

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN113018\
 Data File : VN052594.D
 Acq On : 30 Nov 2018 9:29
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Quant Time: Nov 30 12:25:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 28 01:11:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1004290	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1549630	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1389307	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	654287	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	571309	52.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.50%	
35) Dibromofluoromethane	7.59	113	507659	53.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.28%	
50) Toluene-d8	10.09	98	1947753	52.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.76%	
62) 4-Bromofluorobenzene	12.40	95	680778	54.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.96%	

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Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	436224	46.390	ug/l	98
3) Chloromethane	2.06	50	572042	46.085	ug/l	100
4) Vinyl Chloride	2.19	62	589983	46.270	ug/l	100
5) Bromomethane	2.57	94	352822	44.347	ug/l	100
6) Chloroethane	2.71	64	359804	46.585	ug/l	100
7) Trichlorofluoromethane	3.02	101	758820	48.448	ug/l	100
8) Diethyl Ether	3.41	74	298765	51.654	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	474843	48.586	ug/l	99
10) Methyl Iodide	3.96	142	692155	53.174	ug/l	99
11) Tert butyl alcohol	4.78	59	174733	319.187	ug/l	99
12) 1,1-Dichloroethene	3.74	96	450791	47.918	ug/l	99
13) Acrolein	3.61	56	210736	223.552	ug/l	99
14) Allyl chloride	4.33	41	806607	49.748	ug/l	99
15) Acrylonitrile	4.99	53	951700	274.637	ug/l	99
16) Acetone	3.82	43	891177	308.987	ug/l	100
17) Carbon Disulfide	4.06	76	1324874	44.751	ug/l	99
18) Methyl Acetate	4.33	43	466669	56.408	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1337060	53.418	ug/l	99
20) Methylene Chloride	4.55	84	532117	47.146	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	488106	48.580	ug/l	95
22) Diisopropyl ether	5.95	45	1709603	50.197	ug/l	100
23) Vinyl Acetate	5.90	43	5669517	267.265	ug/l	99
24) 1,1-Dichloroethane	5.85	63	959150	49.324	ug/l	100
25) 2-Butanone	6.83	43	1215589	297.353	ug/l	97
26) 2,2-Dichloropropane	6.82	77	704463	52.338	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	577328	49.327	ug/l	99
28) Bromochloromethane	7.19	49	434456	48.915	ug/l	96
29) Tetrahydrofuran	7.21	42	734198	278.447	ug/l	98
30) Chloroform	7.37	83	938167	48.356	ug/l	98
31) Cyclohexane	7.65	56	871604	46.282	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	778817	50.666	ug/l	98
36) 1,1-Dichloropropene	7.79	75	723933	49.471	ug/l	99
37) Ethyl Acetate	6.93	43	496006	55.539	ug/l	100
38) Carbon Tetrachloride	7.78	117	668020	50.427	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	873828	49.129	ug/l	99
40) Benzene	8.04	78	2175704	49.889	ug/l	100
41) Methacrylonitrile	7.17	41	252479	51.711	ug/l	94
42) 1,2-Dichloroethane	8.13	62	678483	51.381	ug/l	100
43) Isopropyl Acetate	8.17	43	865020	57.235	ug/l	98
44) Trichloroethene	8.84	130	558987	50.040	ug/l	99
45) 1,2-Dichloropropane	9.12	63	577374	49.797	ug/l	100
46) Dibromomethane	9.21	93	336779	52.470	ug/l	99
47) Bromodichloromethane	9.40	83	713856	51.154	ug/l	100
48) Methyl methacrylate	9.20	41	439285	55.742	ug/l	99
49) 1,4-Dioxane	9.20	88	108622	1328.099	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	2493564	294.060	ug/l	99
52) Toluene	10.16	92	1339984	51.715	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	736197	54.837	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	858719	53.376	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	485322	53.248	ug/l	99
56) Ethyl methacrylate	10.43	69	662069	52.187	ug/l	99
57) 1,3-Dichloropropane	10.71	76	835205	51.898	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1860135	281.259	ug/l	99
59) 2-Hexanone	10.75	43	1820584	319.894	ug/l	99
60) Dibromochloromethane	10.90	129	537819	54.330	ug/l	99
61) 1,2-Dibromoethane	11.01	107	488414	53.954	ug/l	100
64) Tetrachloroethene	10.63	164	536054	49.765	ug/l	99
65) Chlorobenzene	11.44	112	1452856	50.715	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	510970	51.298	ug/l	99
67) Ethyl Benzene	11.51	91	2568610	51.202	ug/l	100
68) m/p-Xylenes	11.62	106	1934609	103.589	ug/l	100
69) o-Xylene	11.95	106	944870	52.100	ug/l	100
70) Styrene	11.97	104	1558961	53.970	ug/l	99
71) Bromoform	12.13	173	369211	55.981	ug/l	# 100
73) Isopropylbenzene	12.25	105	2529596	49.278	ug/l	100
74) N-amyl acetate	12.07	43	756256	58.314	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	612541	52.456	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	497990m	49.357	ug/l	
77) Bromobenzene	12.53	156	629186	49.589	ug/l	99
78) n-propylbenzene	12.59	91	2923907	50.139	ug/l	99
79) 2-Chlorotoluene	12.68	91	1698194	48.900	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2054180	50.175	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	173077	57.287	ug/l	99
82) 4-Chlorotoluene	12.77	91	1738226	49.664	ug/l	100
83) tert-Butylbenzene	12.99	119	1802944	49.398	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2104408	51.291	ug/l	99
85) sec-Butylbenzene	13.17	105	2476332	49.814	ug/l	100
86) p-Isopropyltoluene	13.29	119	2129527	50.295	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1112183	50.111	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1101999	50.409	ug/l	99
89) n-Butylbenzene	13.62	91	1842861	52.335	ug/l	100
90) Hexachloroethane	13.88	117	351824	49.074	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	1087286	51.277	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	97560	58.416	ug/l	98

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VSTDCCC050

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Quant Title : SW846 8260
QLast Update : Wed Nov 28 01:11:38 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	593821	51.058	ug/l	100
94) Hexachlorobutadiene	15.01	225	338182	49.576	ug/l	98
95) Naphthalene	15.13	128	1341054	54.136	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	551565	51.555	ug/l	99

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

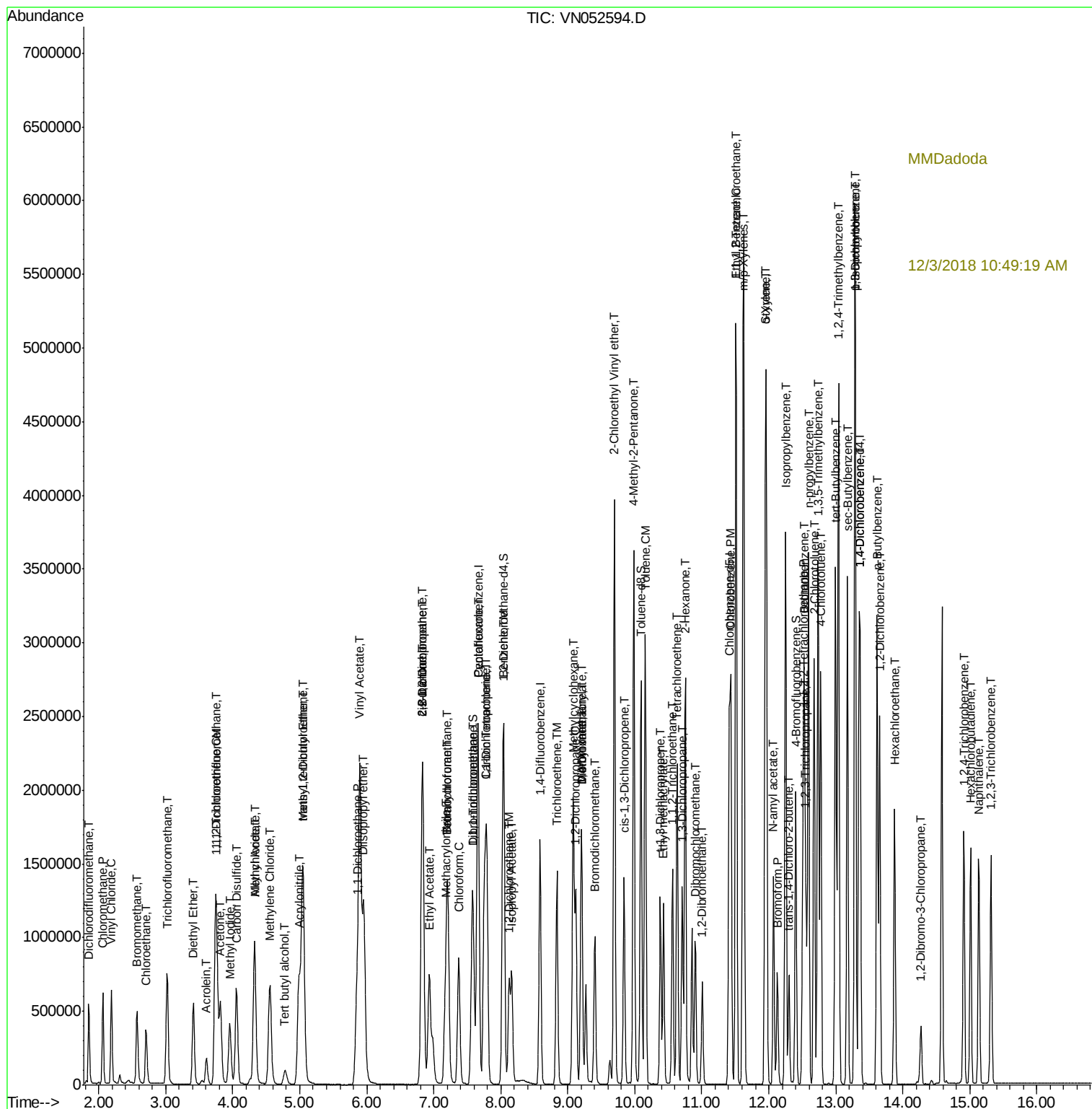
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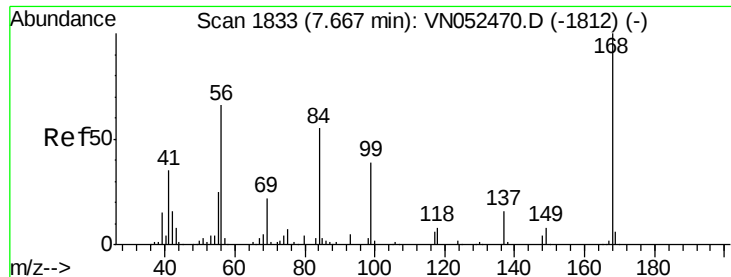
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 Data File : VN052594.D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052594.D

Acq: 30 Nov 2018 9:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

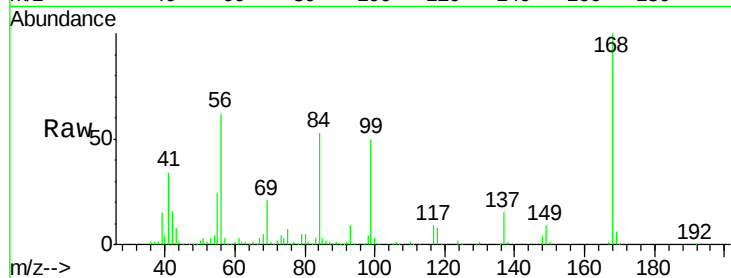
Tgt Ion:168 Resp: 1004290

Ion Ratio Lower Upper

168 100

99 50.1 41.7 62.5

Manual Integrations
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Abundance Ion 167.90 (167.60 to 168.60): VN052470.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN052470.D (-1812) (-)

7.67

400000

300000

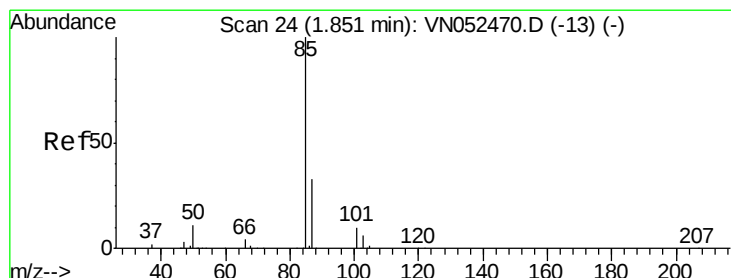
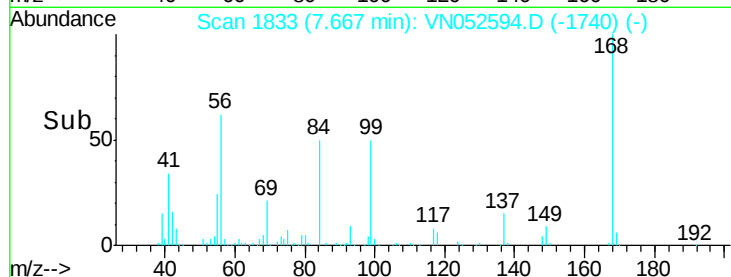
200000

100000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 46.390 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052594.D

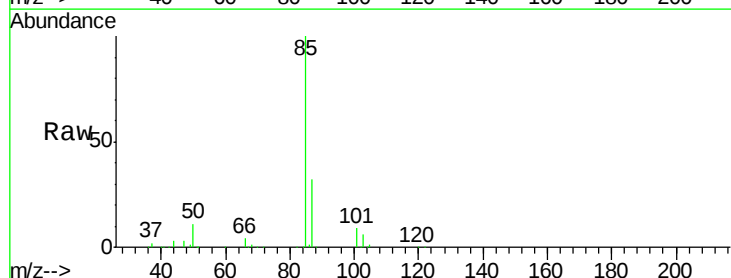
Acq: 30 Nov 2018 9:29

Tgt Ion: 85 Resp: 436224

Ion Ratio Lower Upper

85 100

87 32.4 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VN052470.D (-13) (-)

Ion 86.90 (86.60 to 87.60): VN052470.D (-13) (-)

1.85

300000

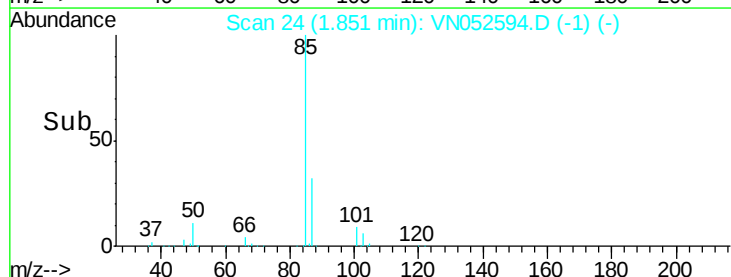
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100000

0

1.80 1.90 2.00

Time-->



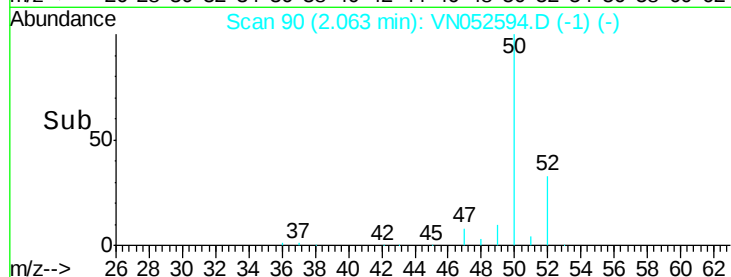
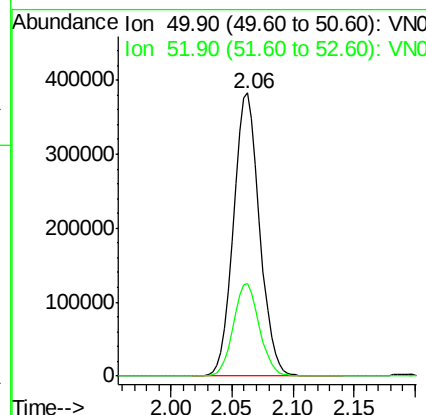
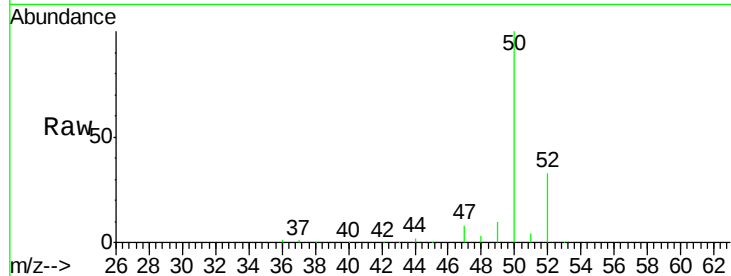


#3
Chloromethane
Concen: 46.085 ug/l
RT: 2.06 min Scan# 90
Delta R.T. 0.00 min
Lab File: VN052594.D
Acq: 30 Nov 2018 9:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

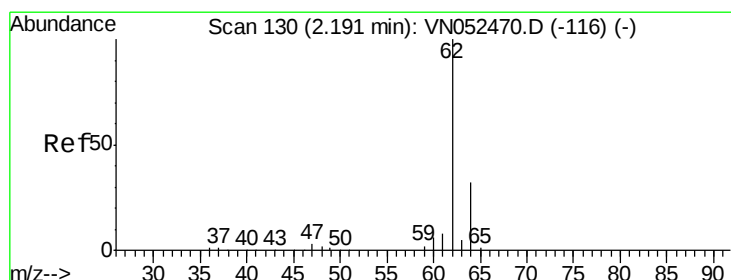
Tgt Ion: 50 Resp: 572042
Ion Ratio Lower Upper
50 100
52 32.6 25.9 38.9

Manual Integrations
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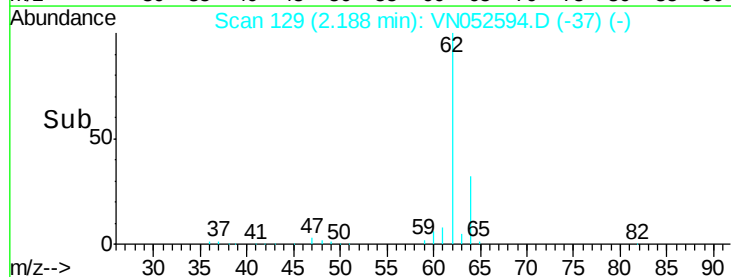
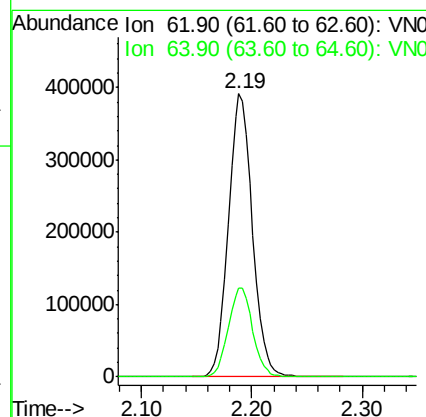
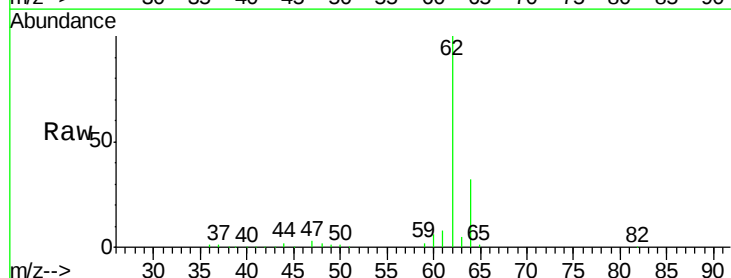
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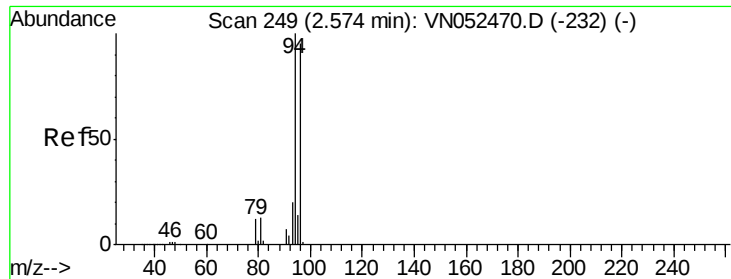
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#4
Vinyl Chloride
Concen: 46.270 ug/l
RT: 2.19 min Scan# 129
Delta R.T. -0.00 min
Lab File: VN052594.D
Acq: 30 Nov 2018 9:29

Tgt Ion: 62 Resp: 589983
Ion Ratio Lower Upper
62 100
64 31.5 25.4 38.2





#5

Bromomethane

Concen: 44.347 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN052594.D

Acq: 30 Nov 2018 9:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

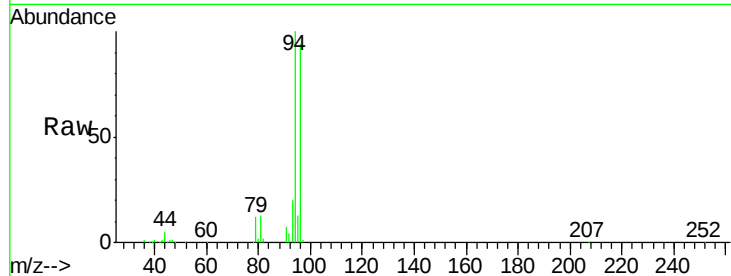
Tgt Ion: 94 Resp: 352822

Ion Ratio Lower Upper

94 100

96 94.3 75.8 113.8

Manual Integrations
APPROVED



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

200000

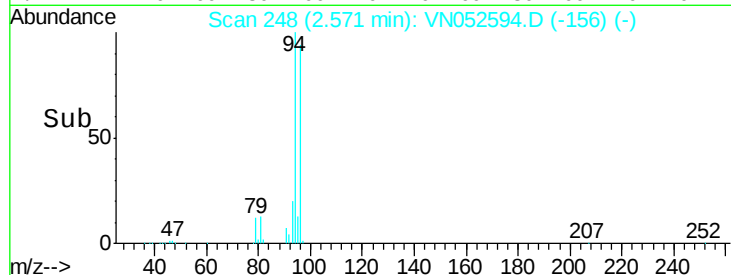
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100000

50000

0

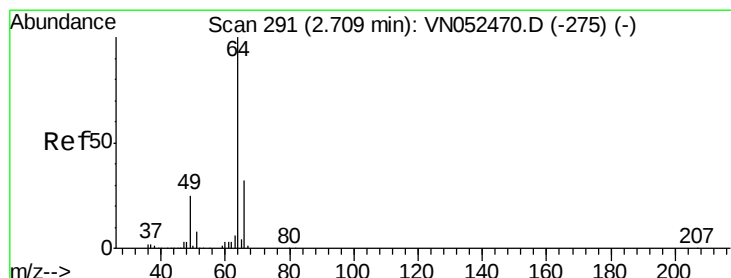
Time-->



Time-->

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#6

Chloroethane

Concen: 46.585 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN052594.D

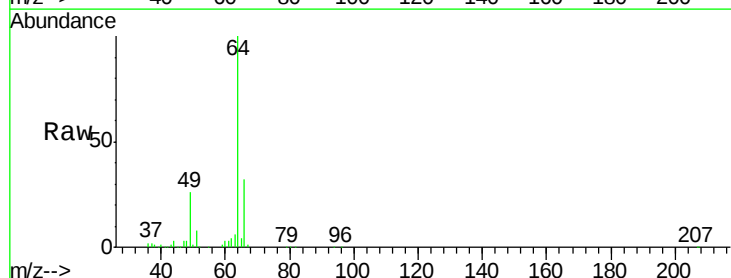
Acq: 30 Nov 2018 9:29

Tgt Ion: 64 Resp: 359804

Ion Ratio Lower Upper

64 100

66 32.4 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.71

200000

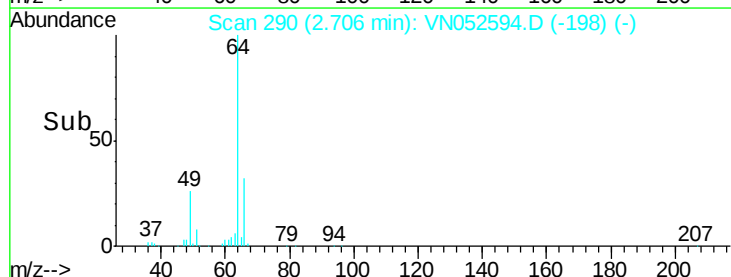
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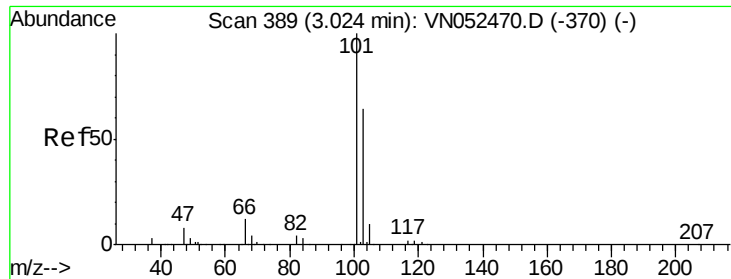
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Time-->



Time-->



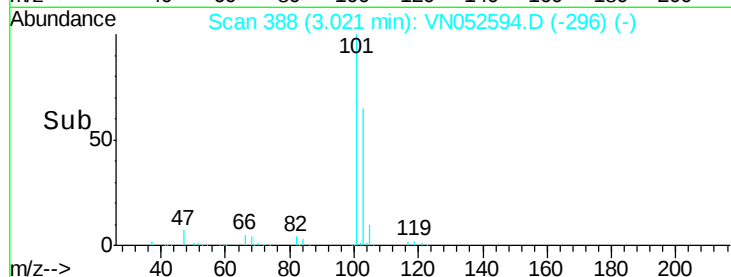
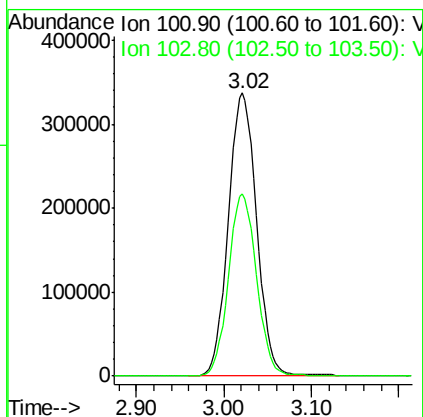
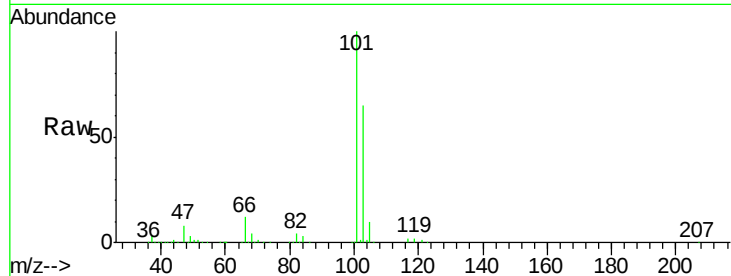
#7

Trichlorofluoromethane
Concen: 48.448 ug/l
RT: 3.02 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN052594.D
Acq: 30 Nov 2018 9:29

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

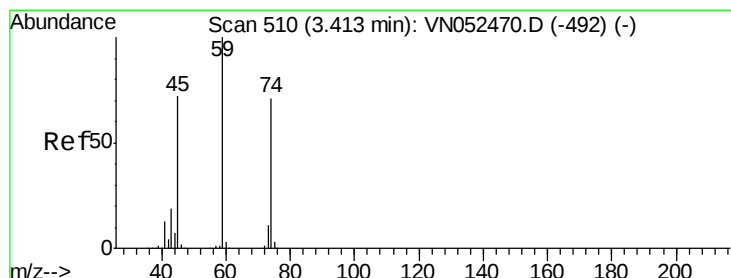
Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.4	77.2

Manual Integrations
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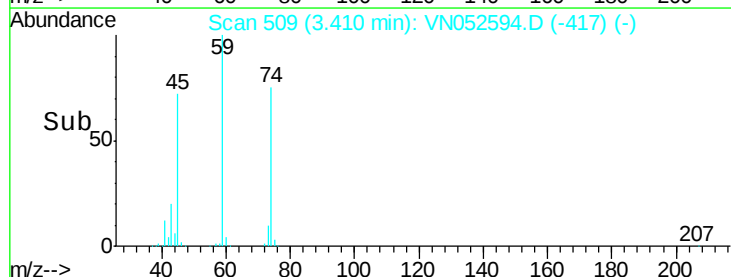
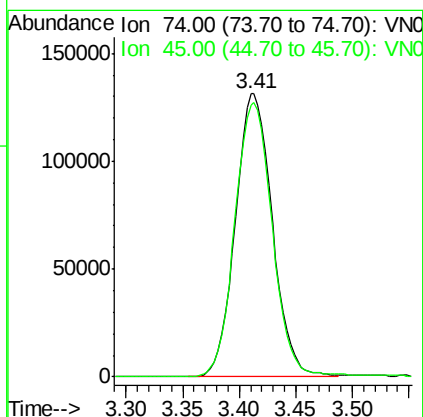
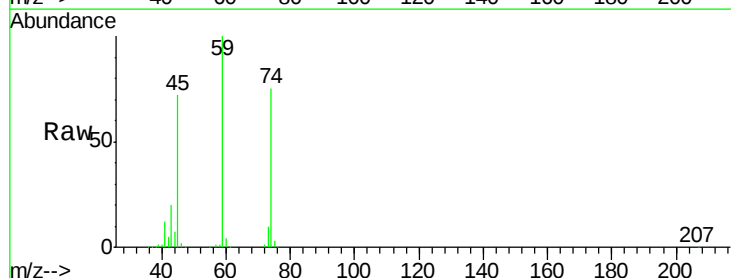
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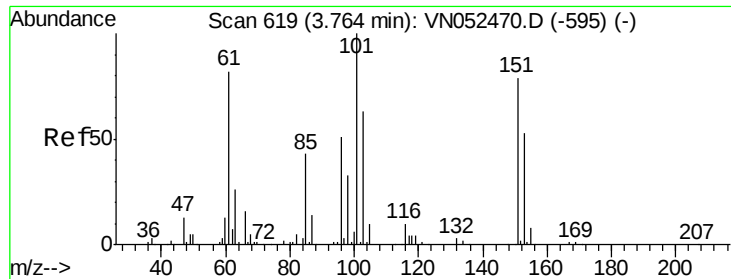


#8

Diethyl Ether
Concen: 51.654 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN052594.D
Acq: 30 Nov 2018 9:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.8	50.4	151.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.586 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052594.D

Acq: 30 Nov 2018 9:29

Instrument :

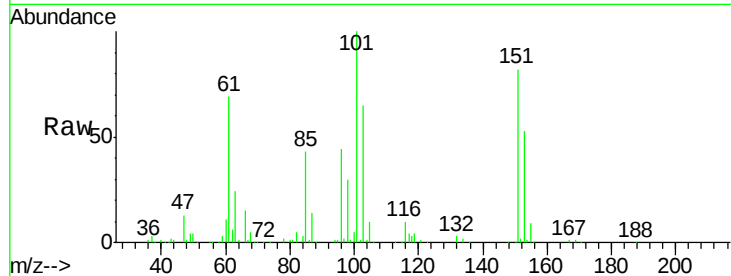
MSVOA_N

ClientSampled :

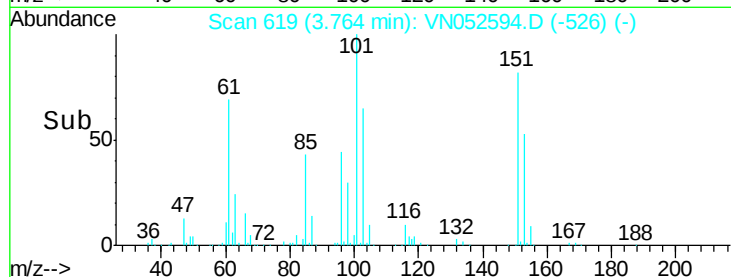
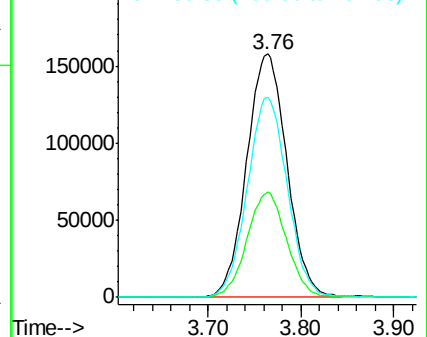
VSTDCCC050

Tgt Ion:	101	Resp:	474843
Ion Ratio	Lower	Upper	
101	100		
85	42.6	34.2	51.4
151	82.1	64.6	96.8

Manual Integrations
APPROVED

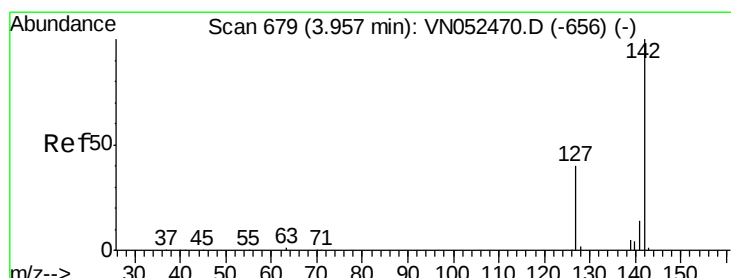


Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



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#10

Methyl Iodide

Concen: 53.174 ug/l

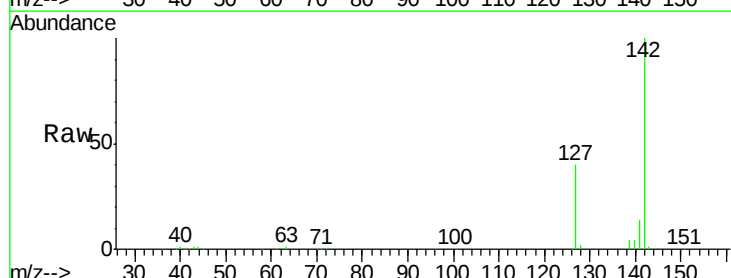
RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

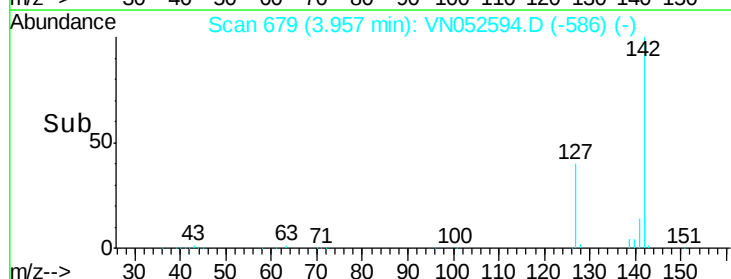
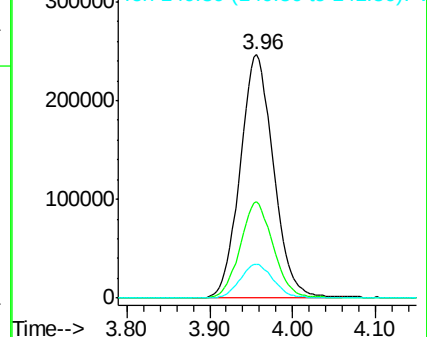
Lab File: VN052594.D

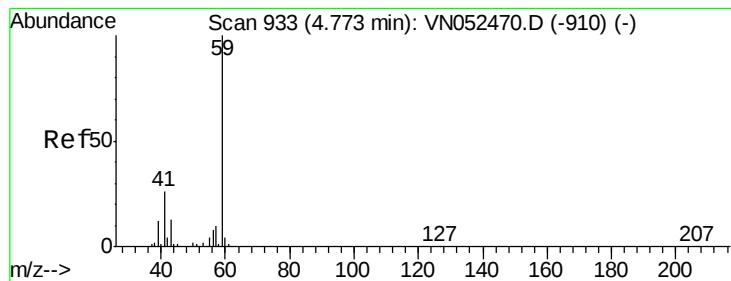
Acq: 30 Nov 2018 9:29

Tgt Ion:	142	Resp:	692155
Ion Ratio	Lower	Upper	
142	100		
127	39.3	31.8	47.6
141	14.0	11.4	17.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





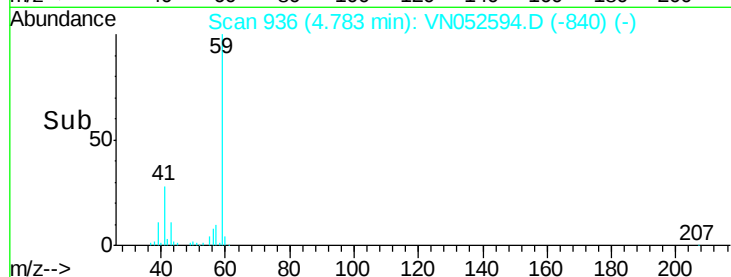
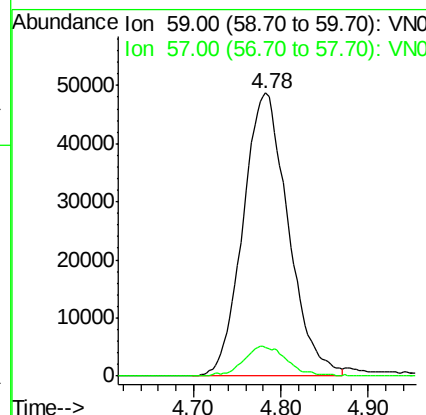
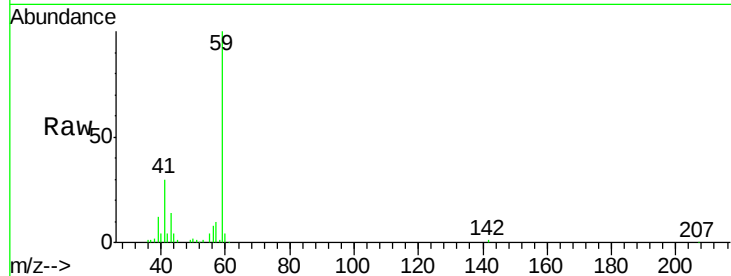
#11

Tert butyl alcohol
Concen: 319.187 ug/l
RT: 4.78 min Scan# 936
Delta R.T. 0.01 min
Lab File: VN052594.D
Acq: 30 Nov 2018 9:29

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

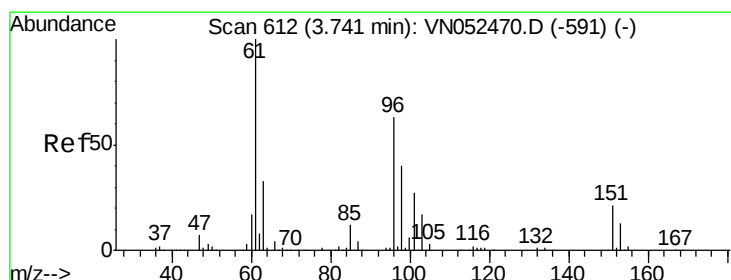
Tgt Ion: 59 Resp: 174733
Ion Ratio Lower Upper
59 100
57 10.1 7.9 11.9

Manual Integrations
APPROVED



MMDadoda

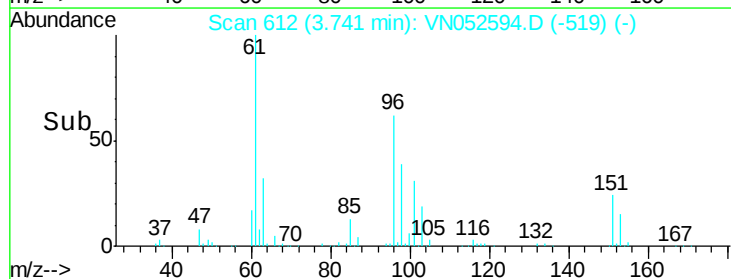
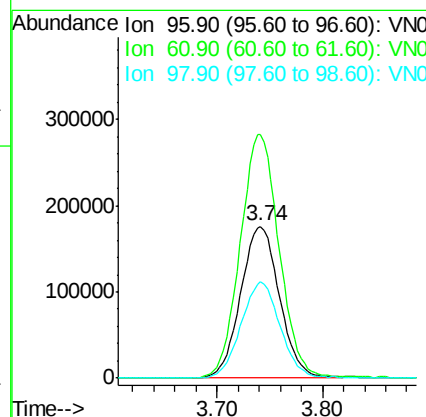
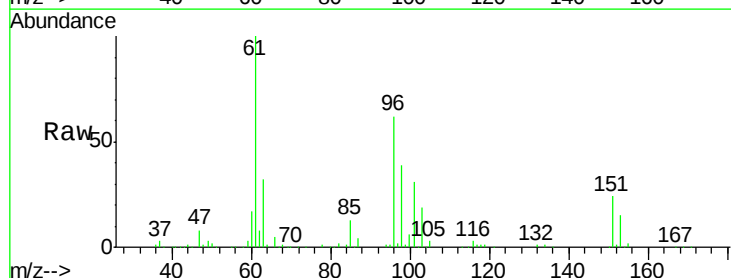
12/3/2018 10:49:19 AM

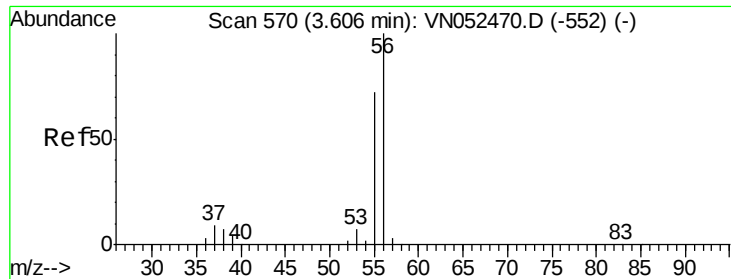


#12

1,1-Dichloroethene
Concen: 47.918 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN052594.D
Acq: 30 Nov 2018 9:29

Tgt Ion: 96 Resp: 450791
Ion Ratio Lower Upper
96 100
61 160.4 127.0 190.6
98 63.2 50.3 75.5



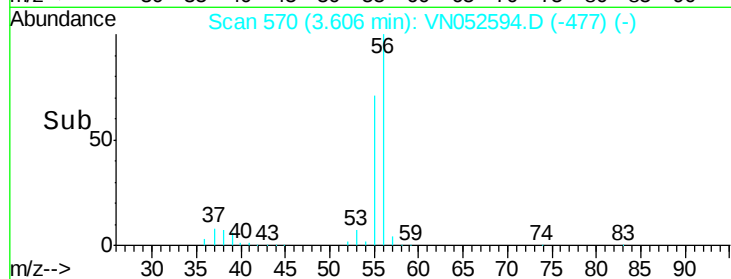
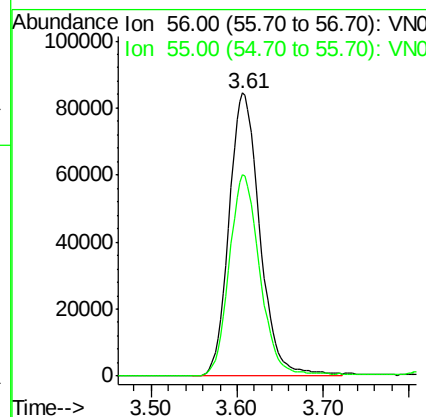
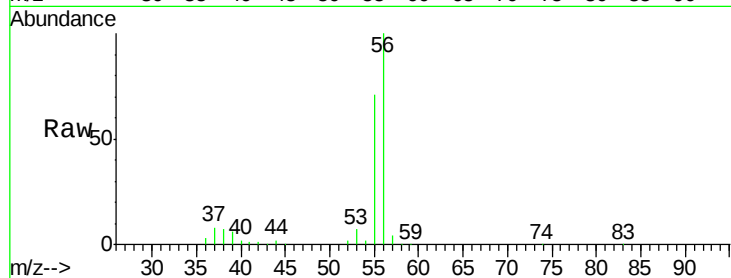


#13
Acrolein
Concen: 223.552 ug/l
RT: 3.61 min Scan# 570
Delta R.T. 0.00 min
Lab File: VN052594.D
Acq: 30 Nov 2018 9:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

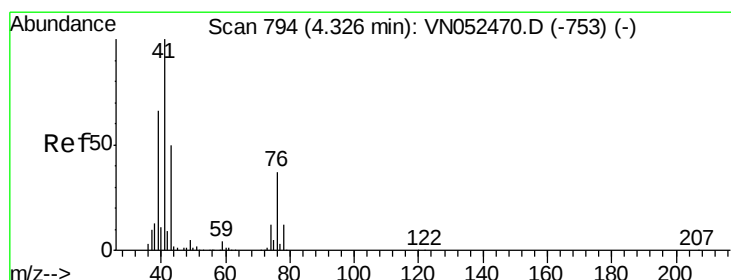
Tgt Ion	Ratio	Lower	Upper
56	100		
55	70.4	56.8	85.2

Manual Integrations
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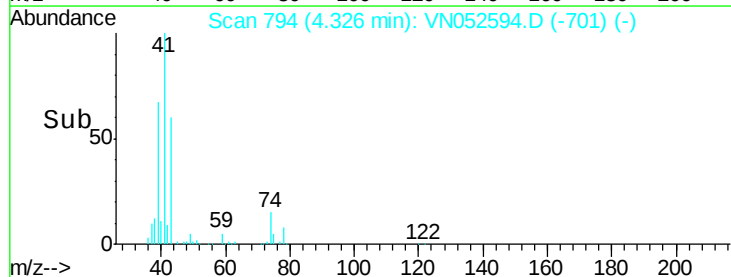
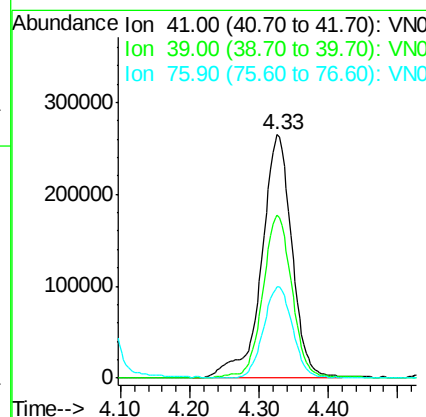
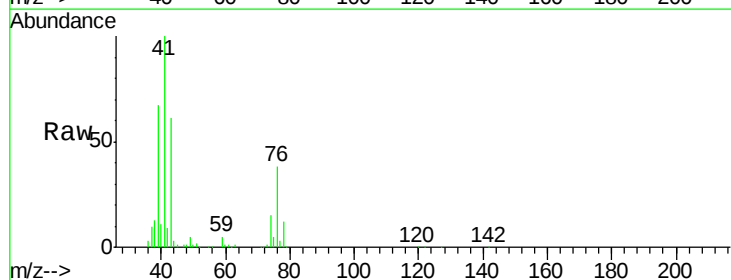
MMDadoda

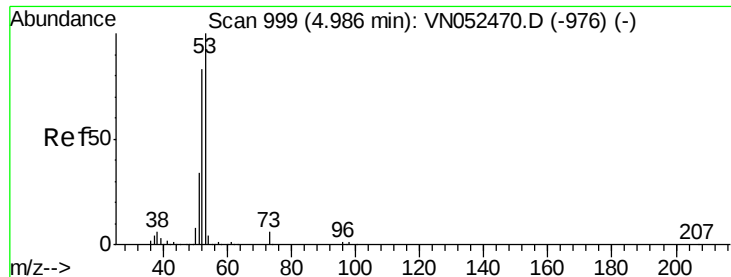
12/3/2018 10:49:19 AM



#14
Allyl chloride
Concen: 49.748 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052594.D
Acq: 30 Nov 2018 9:29

Tgt Ion	Ratio	Lower	Upper
41	100		
39	64.1	50.6	76.0
76	35.0	27.4	41.2





#15

Acrylonitrile

Concen: 274.637 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN052594.D

Acq: 30 Nov 2018 9:29

Instrument :

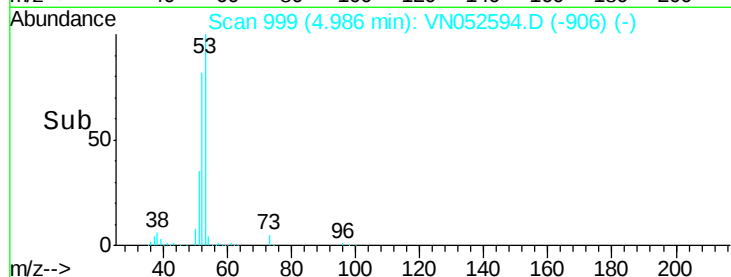
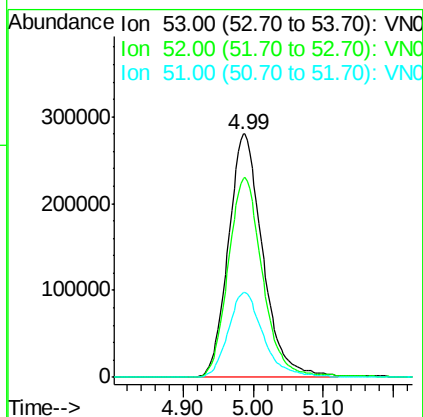
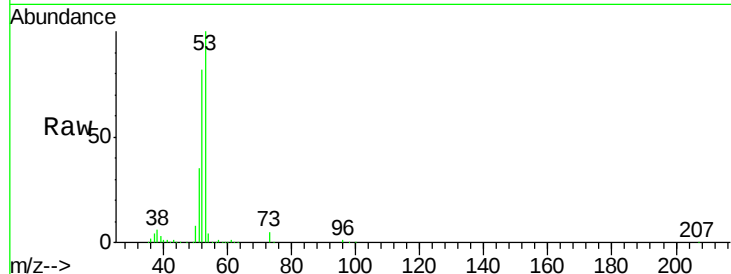
MSVOA_N

ClientSampled :

VSTDCCC050

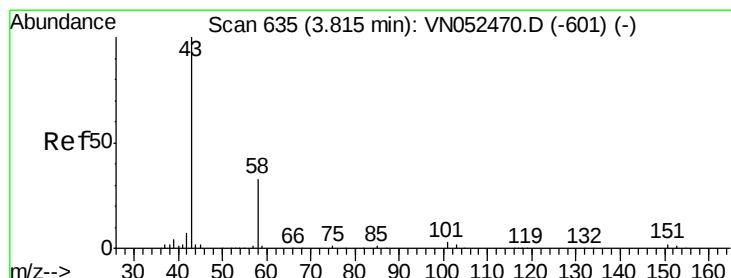
Tgt Ion:	53	Resp:	951700
Ion	Ratio	Lower	Upper
53	100		
52	81.6	66.2	99.2
51	35.9	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 308.987 ug/l

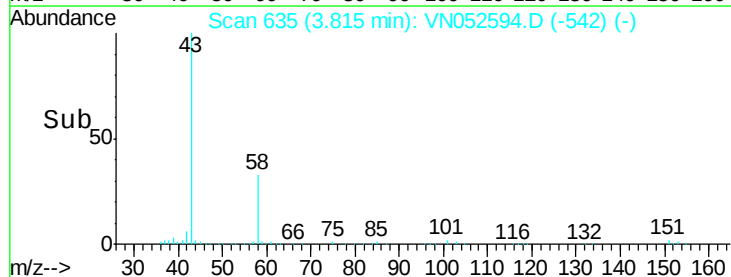
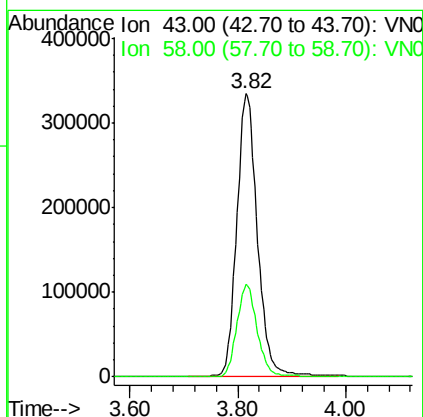
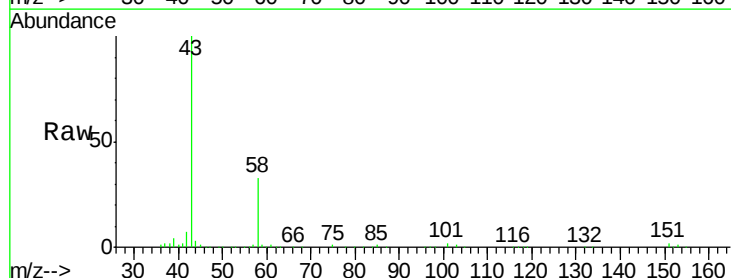
RT: 3.82 min Scan# 635

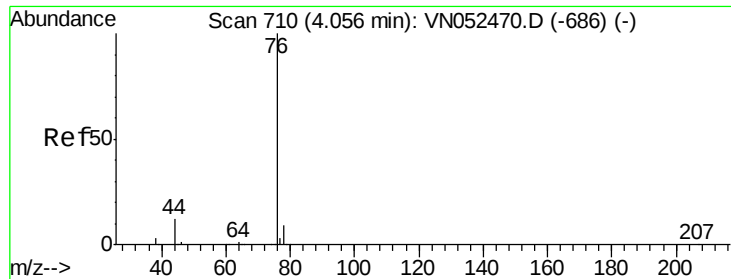
Delta R.T. 0.00 min

Lab File: VN052594.D

Acq: 30 Nov 2018 9:29

Tgt Ion:	43	Resp:	891177
Ion	Ratio	Lower	Upper
43	100		
58	32.7	26.0	39.0



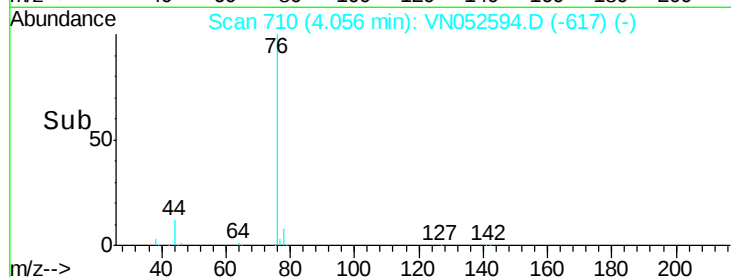
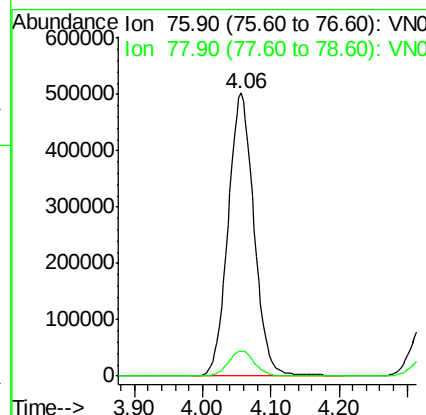
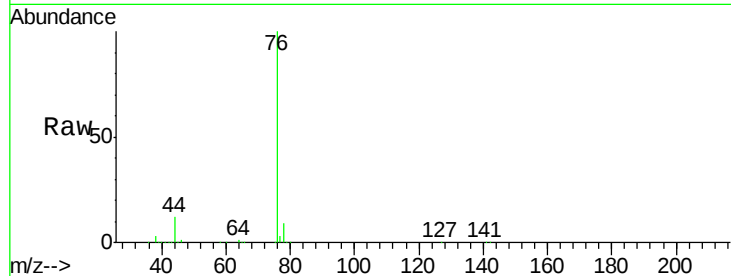


#17
Carbon Disulfide
Concen: 44.751 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN052594.D
Acq: 30 Nov 2018 9:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

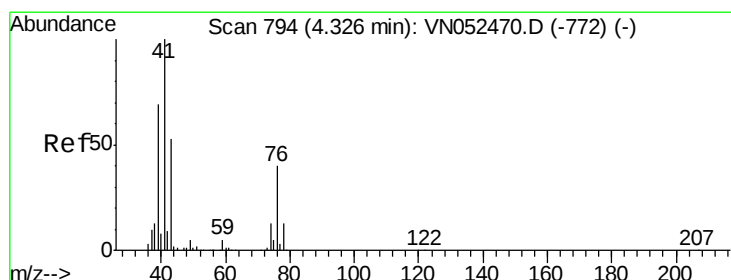
Tgt Ion: 76 Resp: 1324874
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0

Manual Integrations
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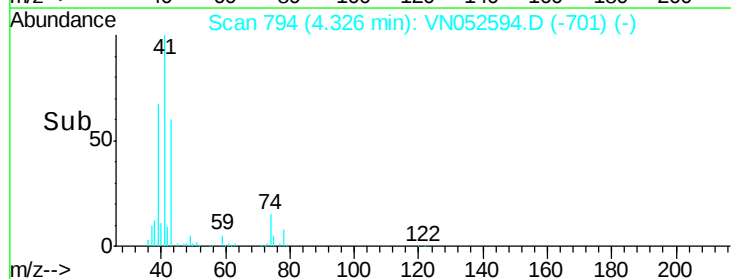
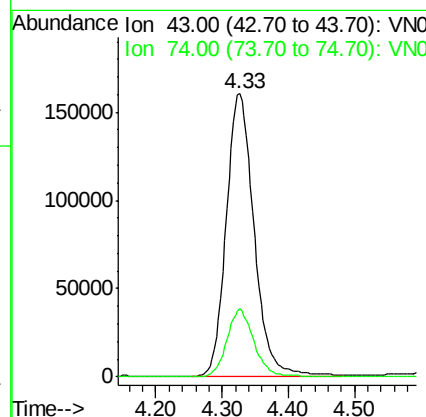
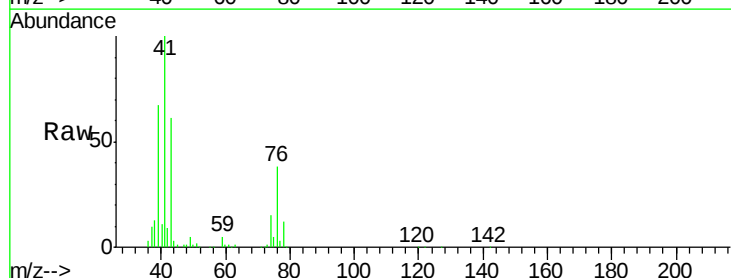
MMDadoda

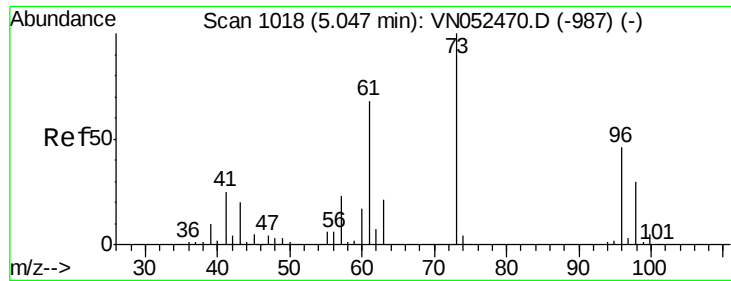
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#18
Methyl Acetate
Concen: 56.408 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052594.D
Acq: 30 Nov 2018 9:29

Tgt Ion: 43 Resp: 466669
Ion Ratio Lower Upper
43 100
74 23.3 18.6 27.8



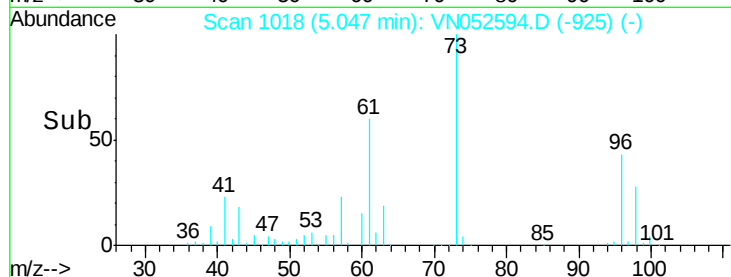
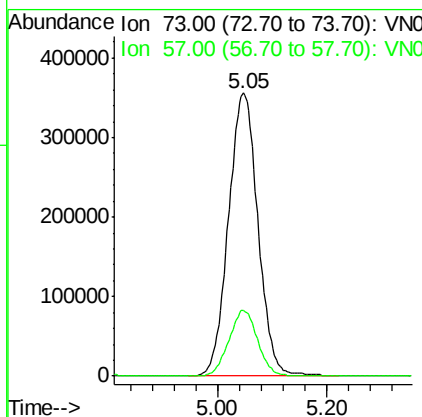
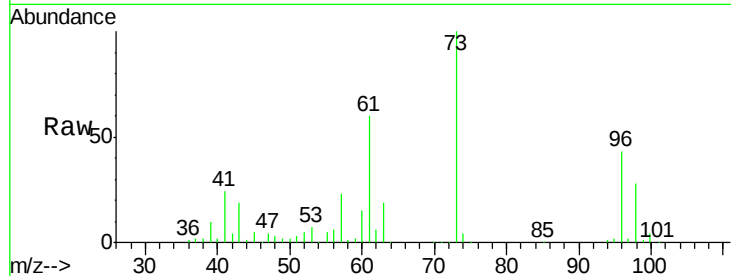


#19
Methyl tert-butyl Ether
Concen: 53.418 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052594.D
Acq: 30 Nov 2018 9:29

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

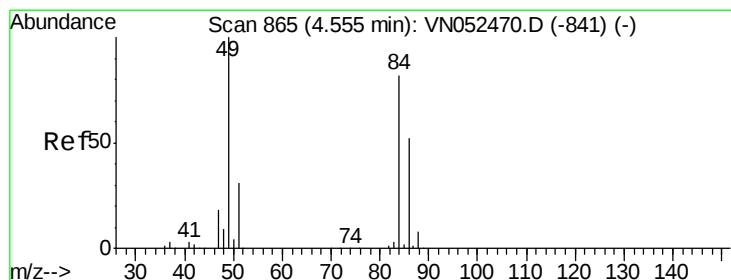
Tgt Ion: 73 Resp: 1337060
Ion Ratio Lower Upper
73 100
57 23.2 18.2 27.2

Manual Integrations
APPROVED



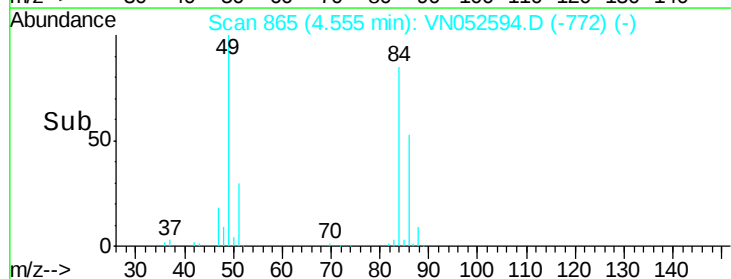
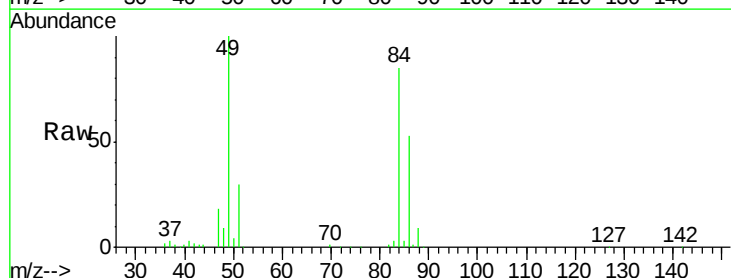
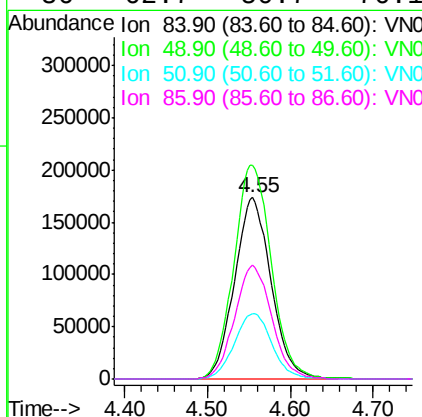
MMDadoda

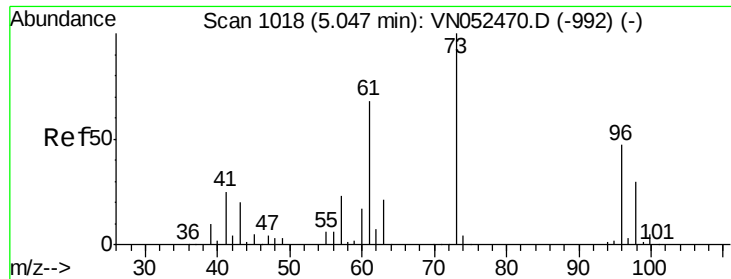
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#20
Methylene Chloride
Concen: 47.146 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052594.D
Acq: 30 Nov 2018 9:29

Tgt Ion: 84 Resp: 532117
Ion Ratio Lower Upper
84 100
49 117.7 98.0 147.0
51 35.9 30.1 45.1
86 62.7 50.7 76.1



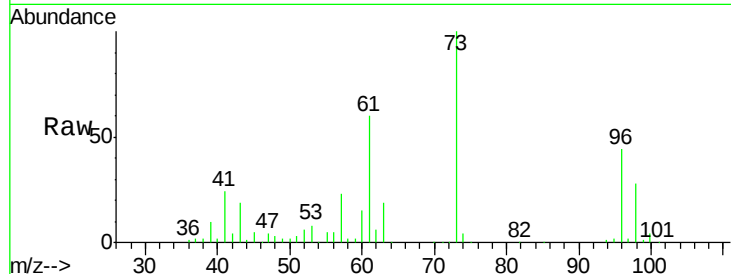


#21
trans-1,2-Dichloroethene
Concen: 48.580 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN052594.D
Acq: 30 Nov 2018 9:29

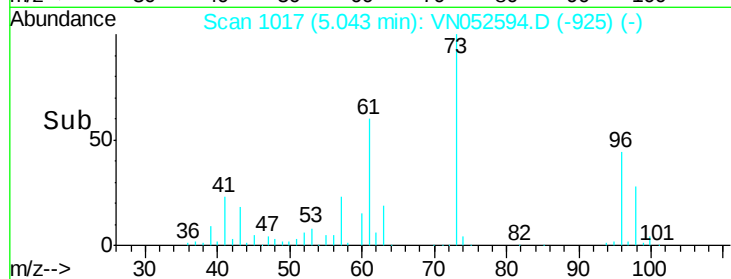
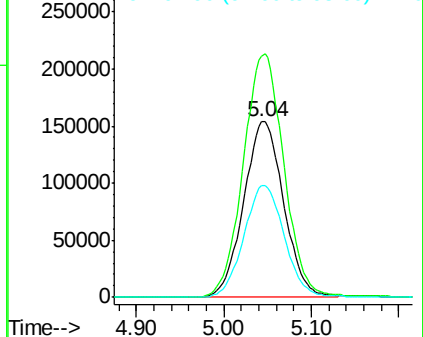
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
96	100		
61	137.8	117.0	175.4
98	63.7	51.8	77.6

Manual Integrations
APPROVED

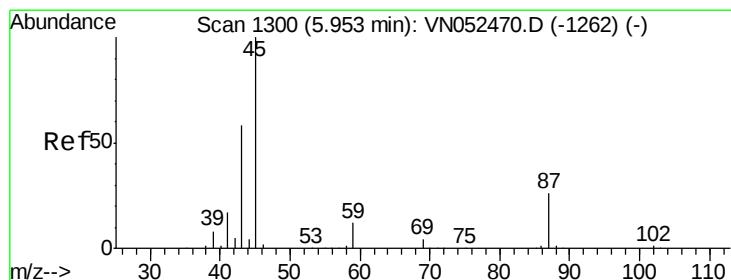


Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC



MMDadoda

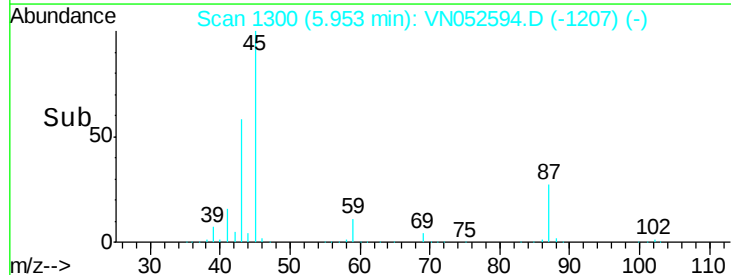
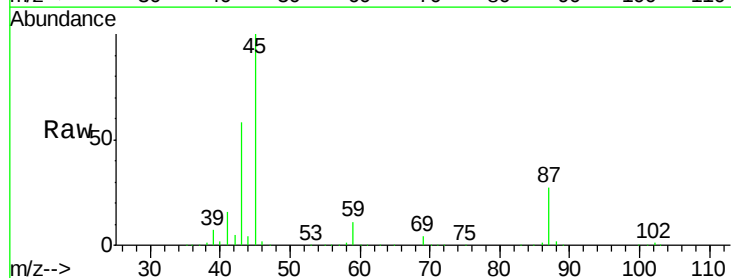
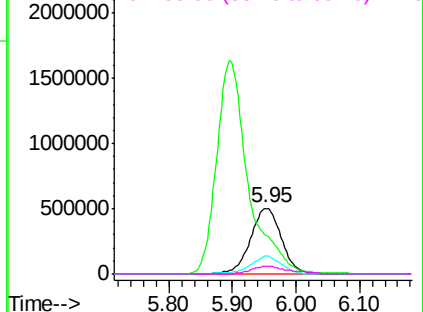
12/3/2018 10:49:19 AM

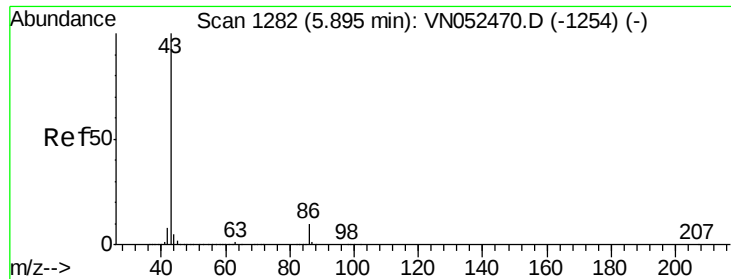


#22
Diisopropyl ether
Concen: 50.197 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052594.D
Acq: 30 Nov 2018 9:29

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.5	46.1	69.1
87	27.0	21.3	31.9
59	11.2	9.5	14.3

Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 267.265 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052594.D

Acq: 30 Nov 2018 9:29

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tgt Ion: 43 Resp: 5669517

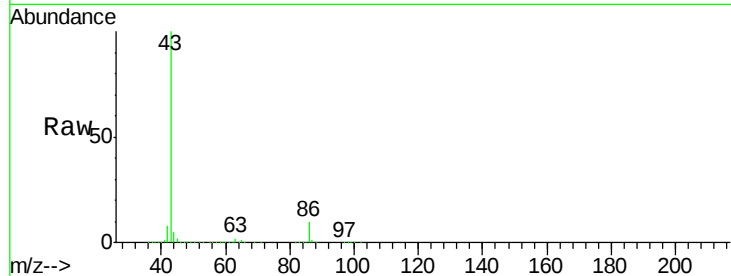
Ion Ratio Lower Upper

43 100

86 10.3 7.8 11.8

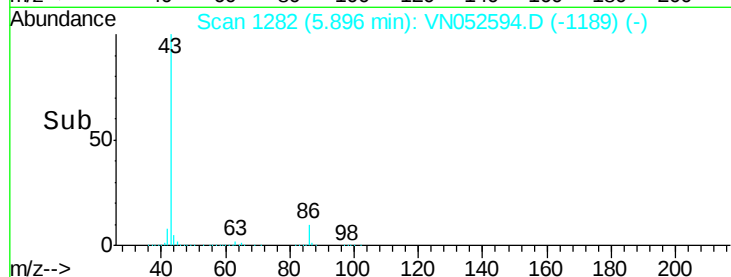
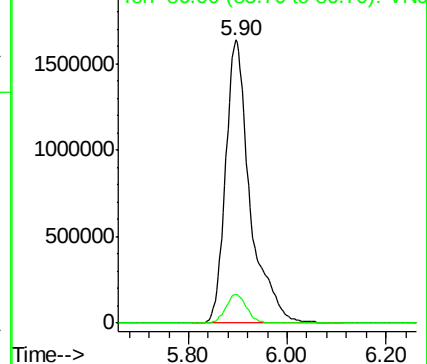
Manual Integrations

APPROVED



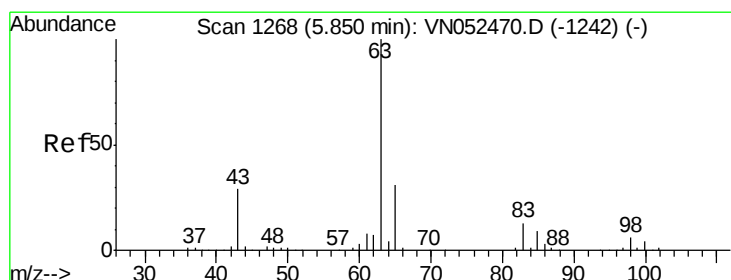
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



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#24

1,1-Dichloroethane

Concen: 49.324 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052594.D

Acq: 30 Nov 2018 9:29

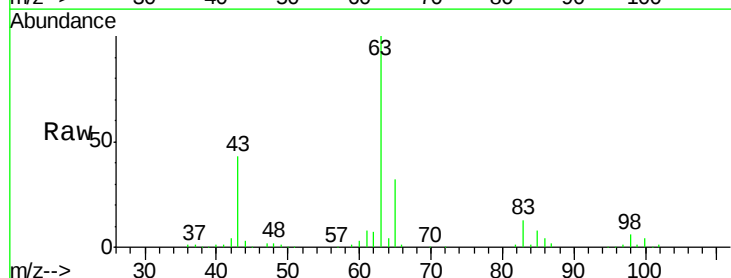
Tgt Ion: 63 Resp: 959150

Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.2

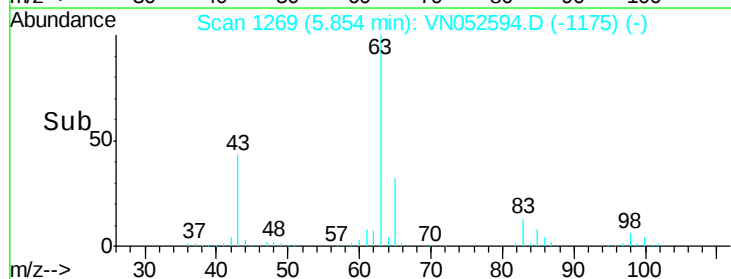
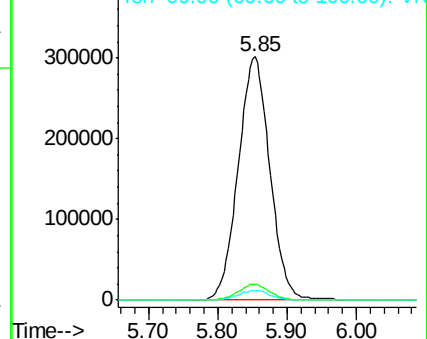
100 3.9 2.0 5.8

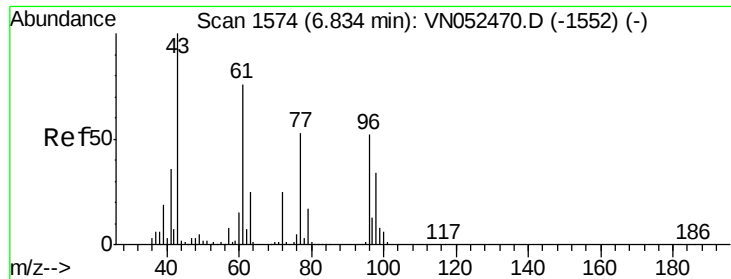


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



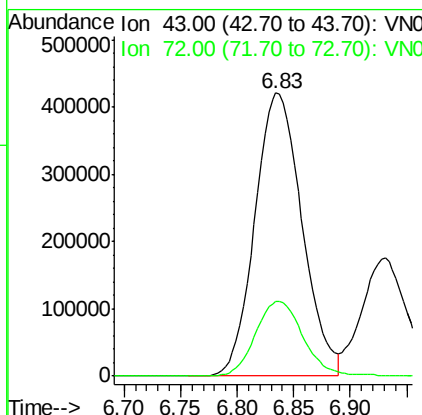
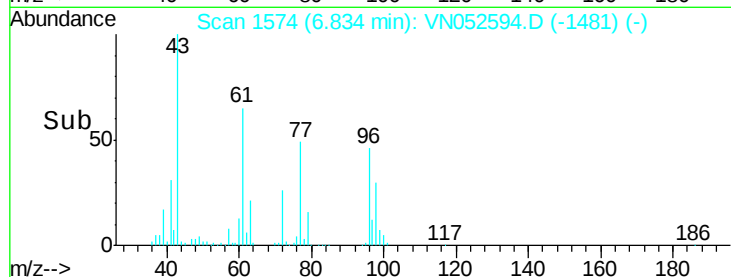
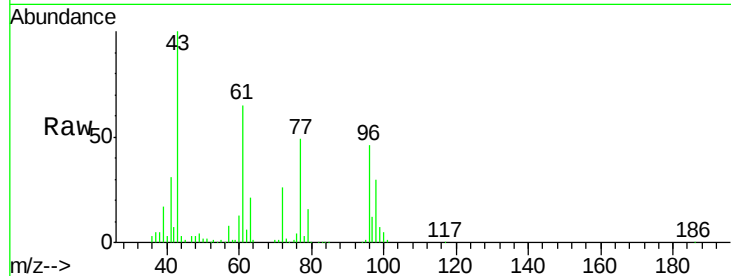


#25
2-Butanone
Concen: 297.353 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN052594.D
Acq: 30 Nov 2018 9:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

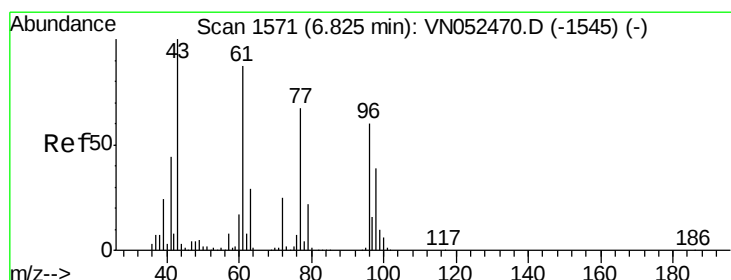
Tgt Ion: 43 Resp: 1215589
Ion Ratio Lower Upper
43 100
72 26.4 20.1 30.1

Manual Integrations
APPROVED



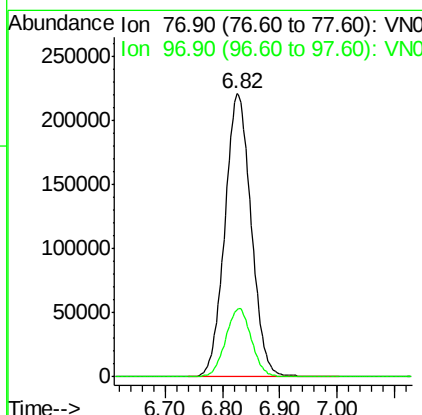
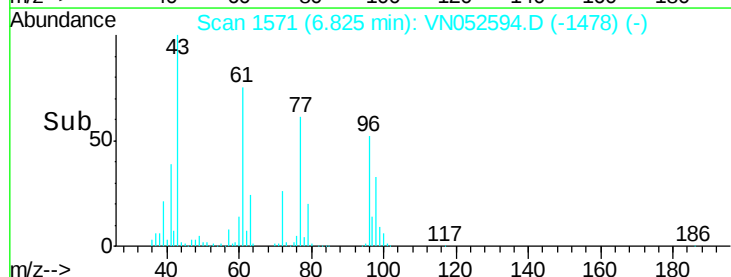
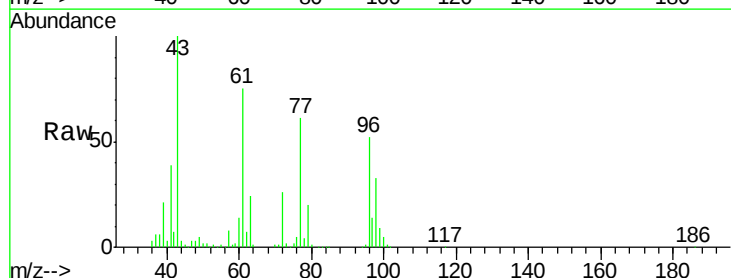
MMDadoda

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#26
2,2-Dichloropropane
Concen: 52.338 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN052594.D
Acq: 30 Nov 2018 9:29

Tgt Ion: 77 Resp: 704463
Ion Ratio Lower Upper
77 100
97 23.7 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 49.327 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052594.D

Acq: 30 Nov 2018 9:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 577328

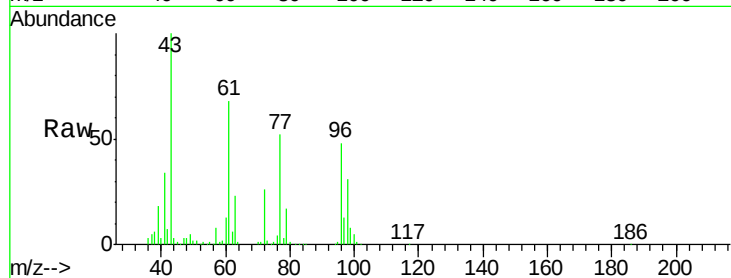
Ion Ratio Lower Upper

96 100

61 143.7 0.0 291.0

98 64.0 0.0 130.0

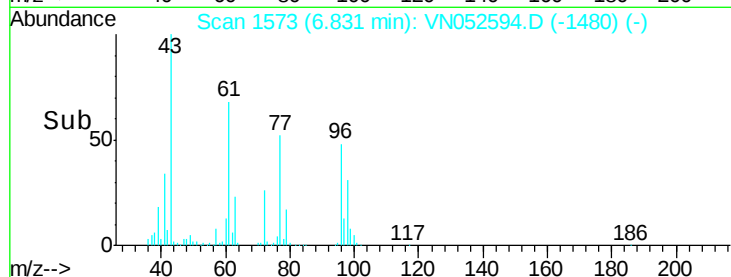
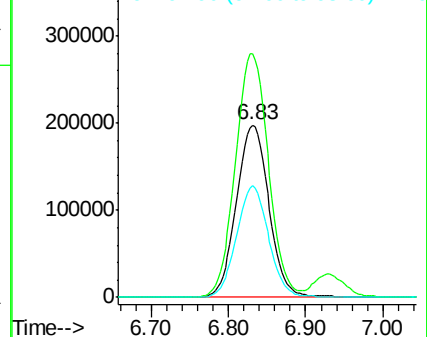
Manual Integrations
APPROVED



Abundance Ion 95.90 (95.60 to 96.60): VN052594.D (-1480) (-)

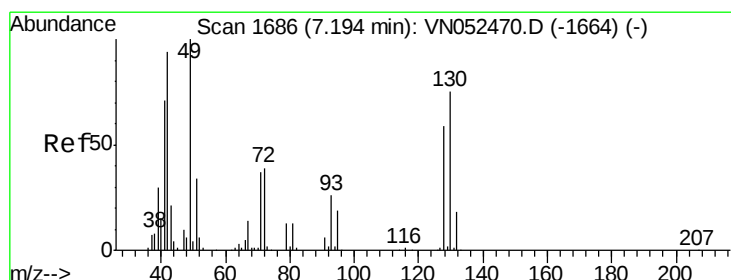
Ion 60.90 (60.60 to 61.60): VN052594.D (-1480) (-)

Ion 97.90 (97.60 to 98.60): VN052594.D (-1480) (-)



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#28

Bromochloromethane

Concen: 48.915 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN052594.D

Acq: 30 Nov 2018 9:29

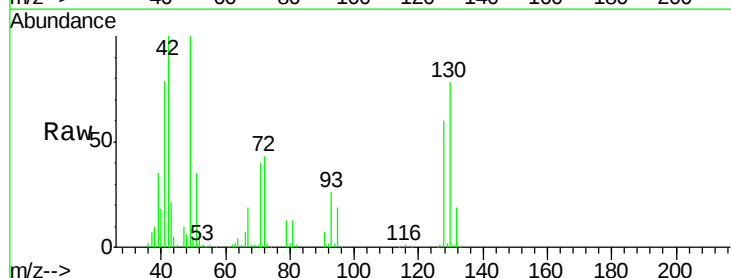
Tgt Ion: 49 Resp: 434456

Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.8

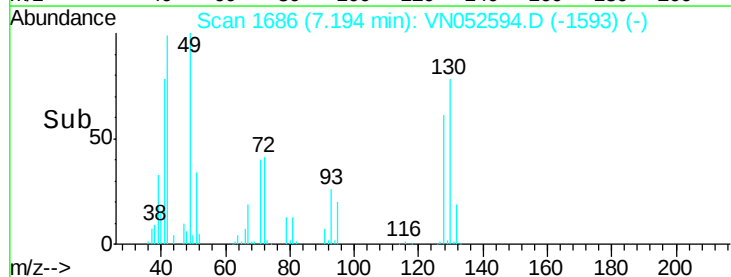
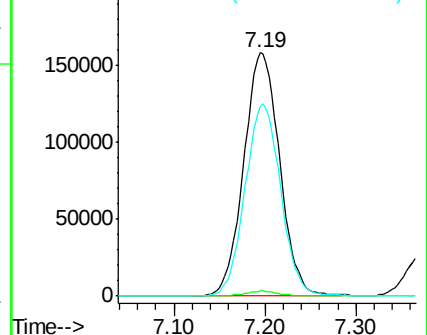
130 78.7 60.2 90.2

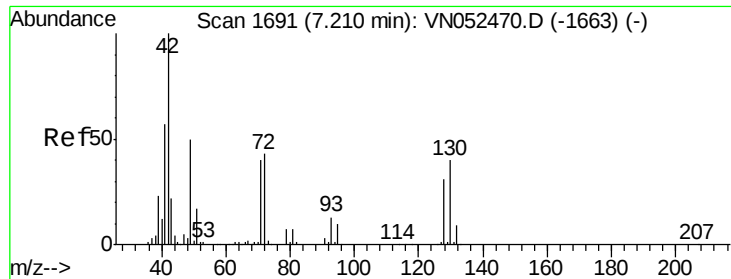


Abundance Ion 48.90 (48.60 to 49.60): VN052594.D (-1593) (-)

Ion 128.80 (128.50 to 129.50): VN052594.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN052594.D (-1593) (-)



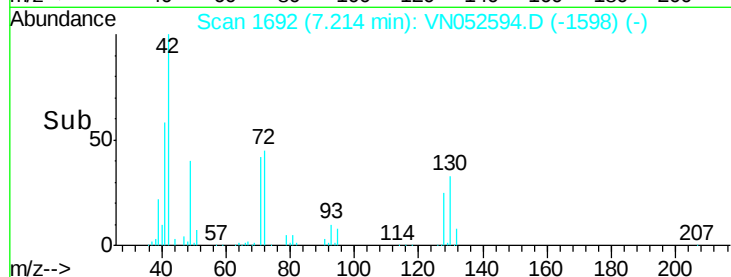
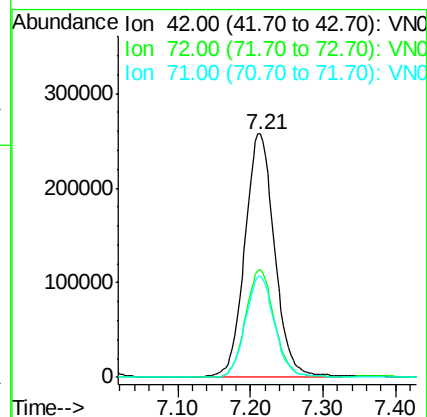
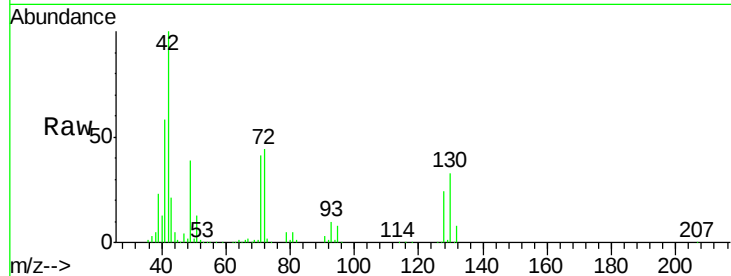


#29
Tetrahydrofuran
Concen: 278.447 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052594.D
Acq: 30 Nov 2018 9:29

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

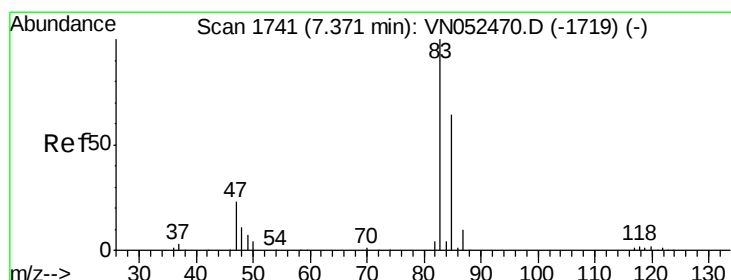
Tgt Ion	Ratio	Lower	Upper
42	100		
72	43.1	33.3	49.9
71	40.6	32.0	48.0

Manual Integrations
APPROVED



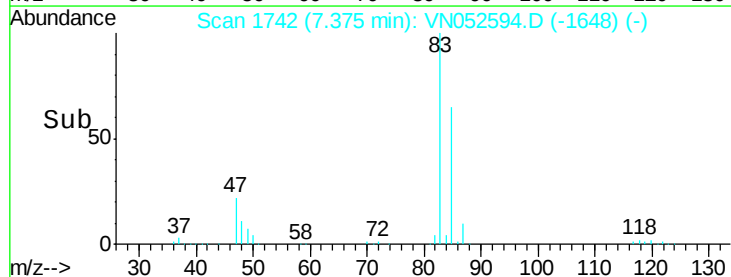
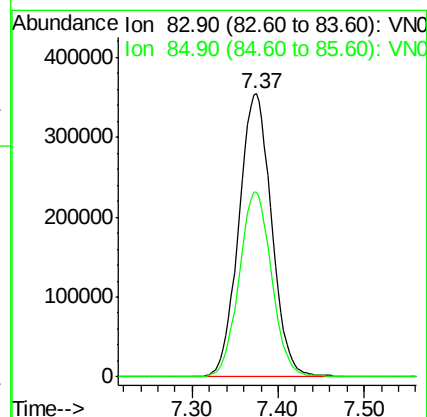
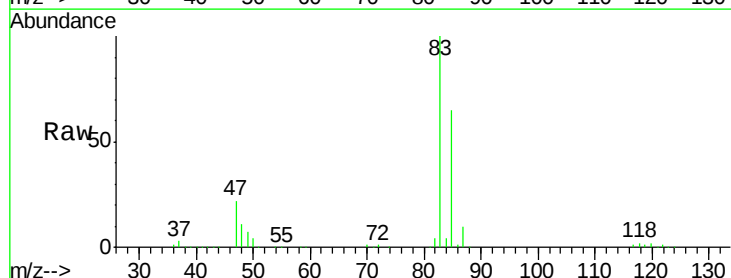
MMDadoda

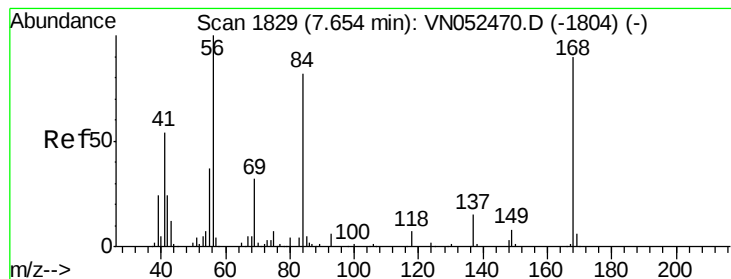
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#30
Chloroform
Concen: 48.356 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052594.D
Acq: 30 Nov 2018 9:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.0	76.4





#31

Cyclohexane

Concen: 46.282 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN052594.D

Acq: 30 Nov 2018 9:29

Instrument :

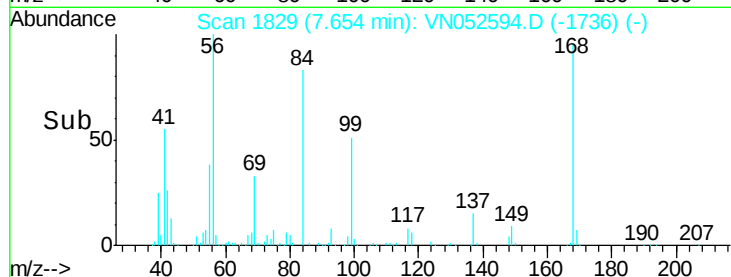
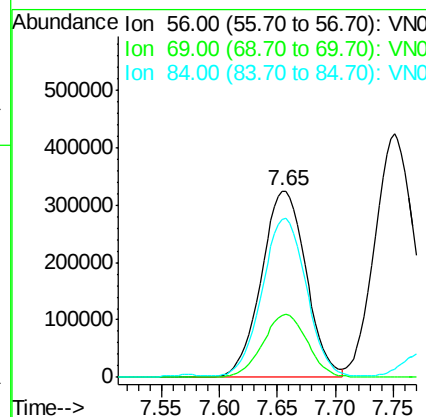
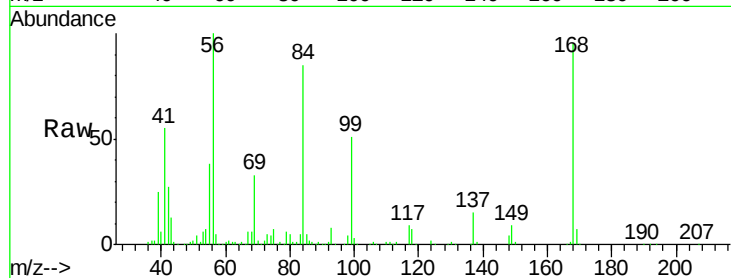
MSVOA_N

ClientSampled :

VSTDCCC050

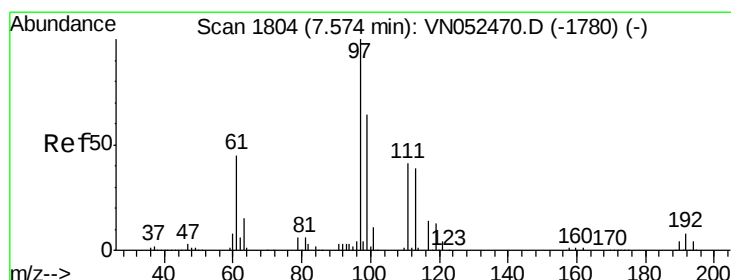
Tgt Ion:	56	Resp:	871604
Ion Ratio	Lower	Upper	
56	100		
69	33.1	25.8	38.6
84	83.9	65.3	97.9

Manual Integrations
APPROVED



MMDadoda

12/3/2018 10:49:19 AM



#32

1,1,1-Trichloroethane

Concen: 50.666 ug/l

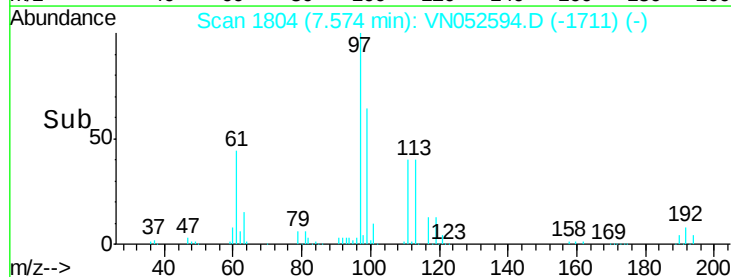
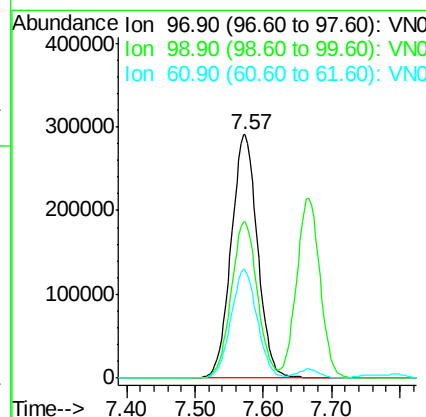
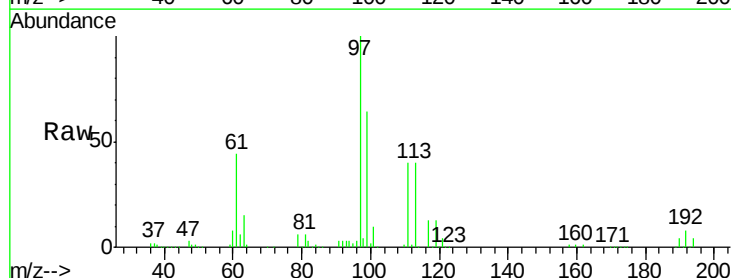
RT: 7.57 min Scan# 1804

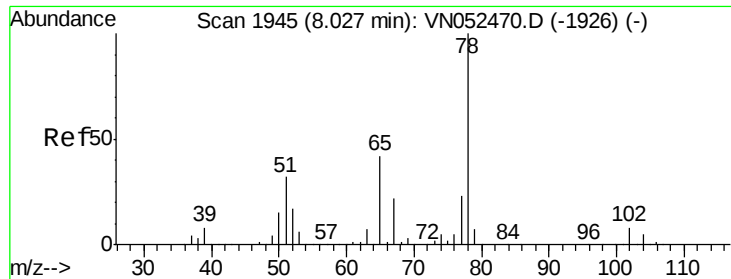
Delta R.T. 0.00 min

Lab File: VN052594.D

Acq: 30 Nov 2018 9:29

Tgt Ion:	97	Resp:	778817
Ion Ratio	Lower	Upper	
97	100		
99	63.8	51.7	77.5
61	44.4	36.8	55.2



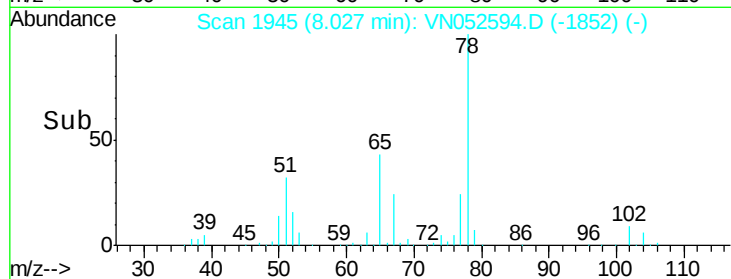
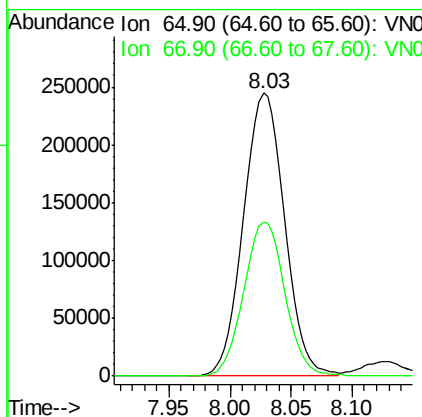
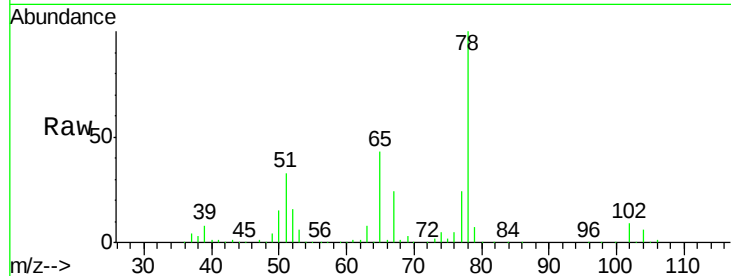


#33
 1,2-Dichloroethane-d4
 Concen: 50.666 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052594.D
 Acq: 30 Nov 2018 9:29

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

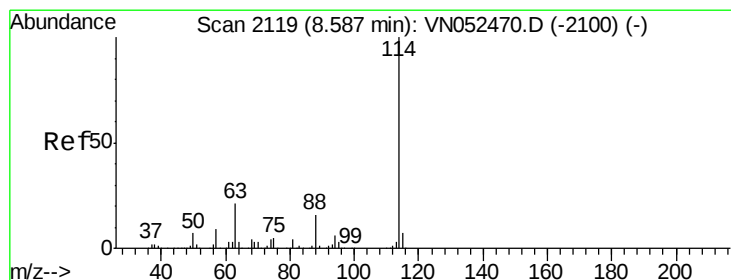
Tgt Ion: 65 Resp: 571309
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 109.8

Manual Integrations
 APPROVED



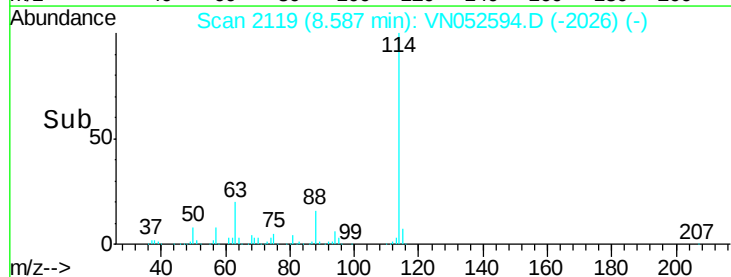
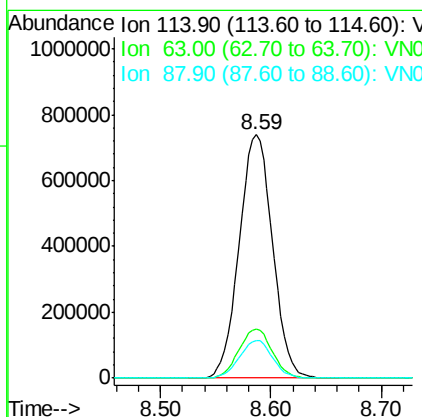
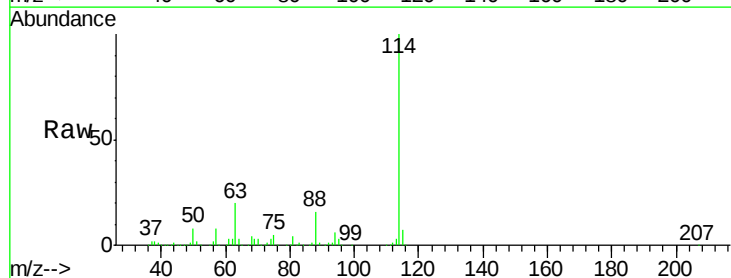
MMDadoda

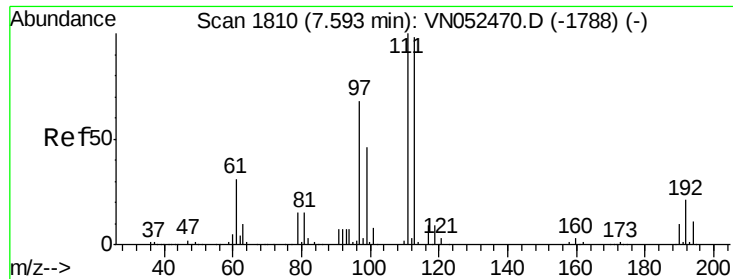
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052594.D
 Acq: 30 Nov 2018 9:29

Tgt Ion: 114 Resp: 1549630
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 41.8
 88 15.6 0.0 31.6



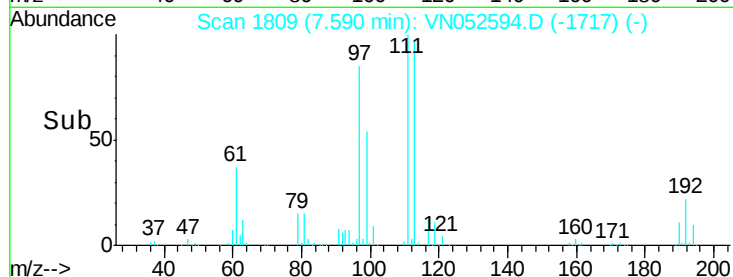
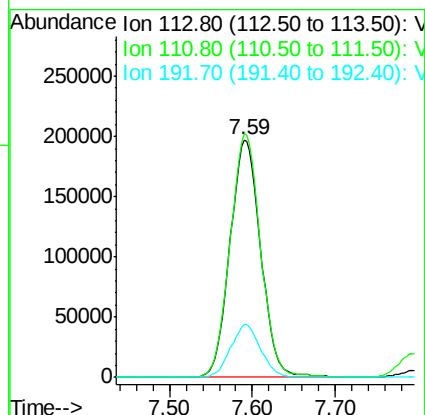
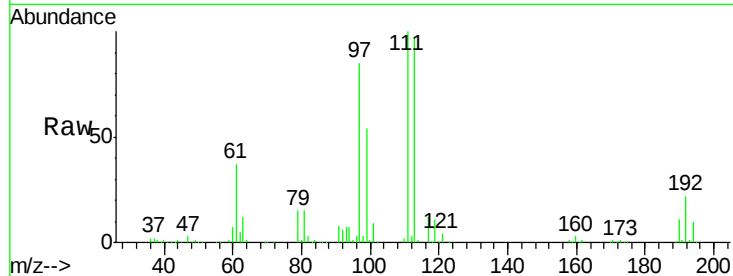


#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN052594.D
Acq: 30 Nov 2018 9:29

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

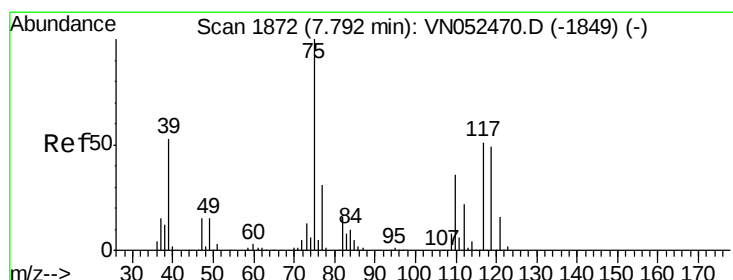
Tgt Ion	Ratio	Resp	Lower	Upper
113	100	507659		
111	102.2	82.0	123.0	
192	21.7	17.0	25.6	

Manual Integrations
APPROVED



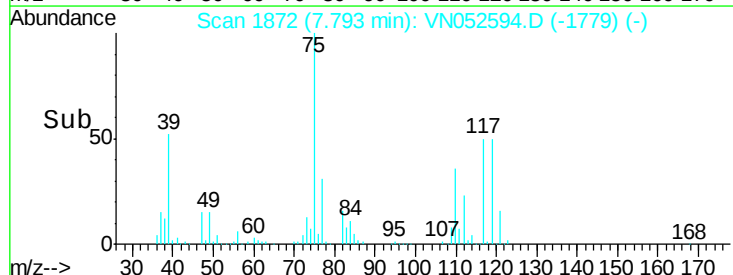
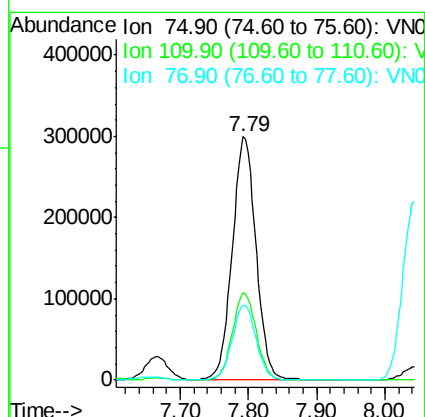
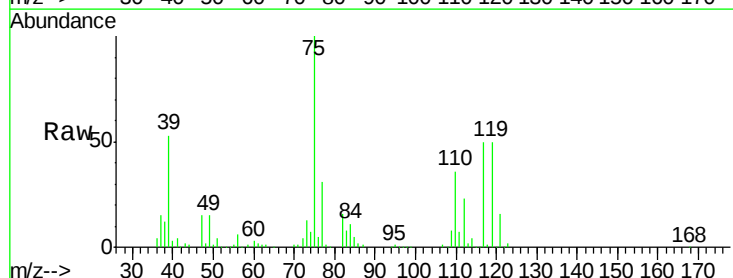
MMDadoda

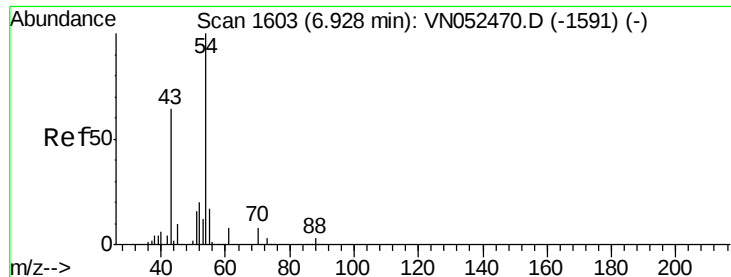
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#36
1,1-Dichloropropene
Concen: 49.471 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN052594.D
Acq: 30 Nov 2018 9:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	723933		
110	36.0	17.5	52.6	
77	31.1	24.5	36.7	



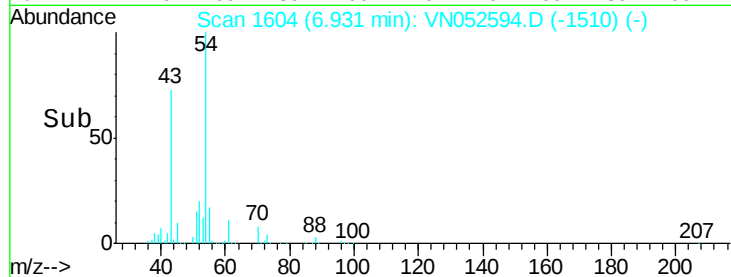
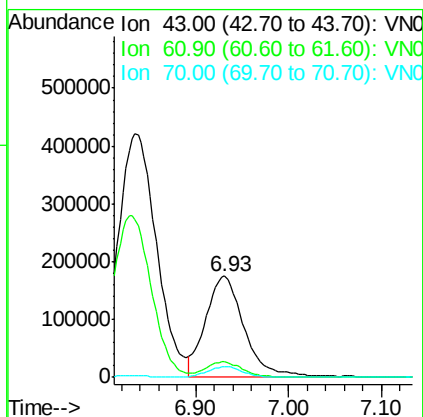
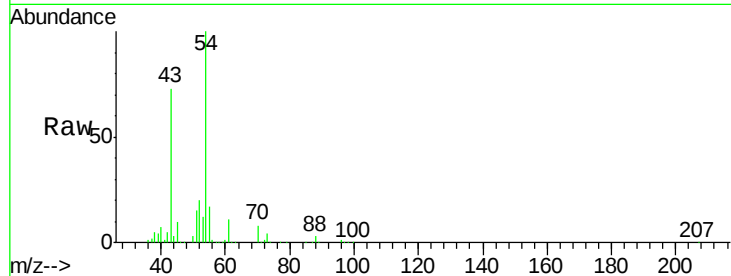


#37
Ethyl Acetate
Concen: 55.539 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052594.D
Acq: 30 Nov 2018 9:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

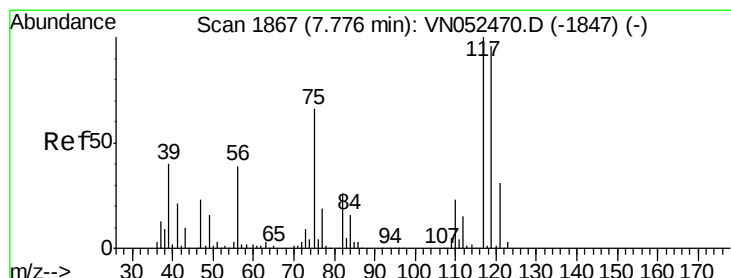
Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.8	17.8
70	9.9	7.8	11.8

Manual Integrations
APPROVED



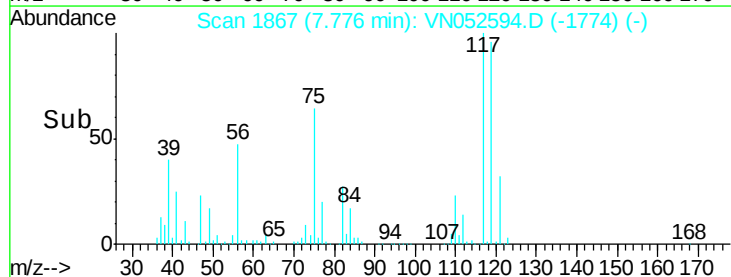
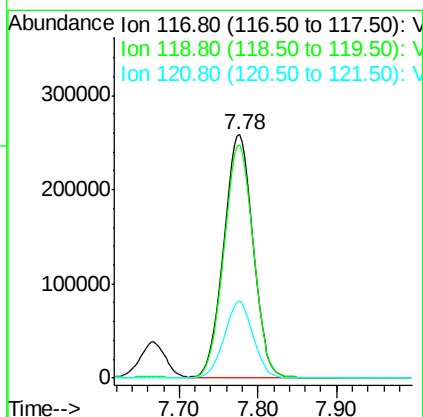
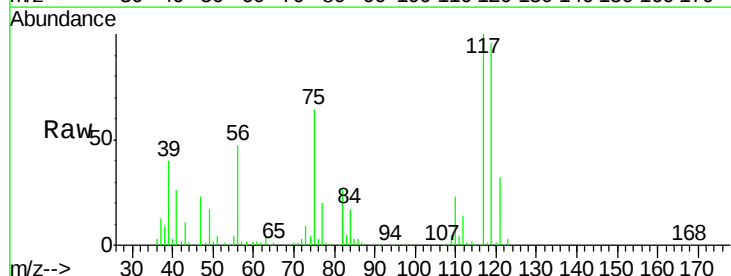
MMDadoda

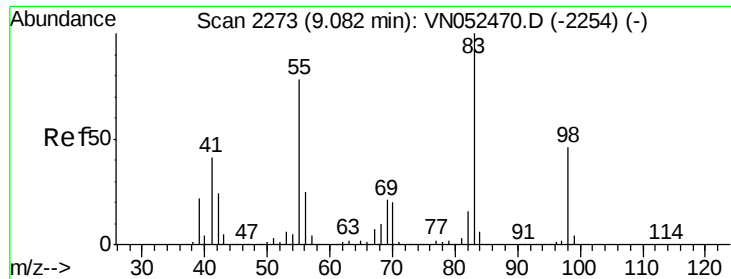
12/3/2018 10:49:19 AM



#38
Carbon Tetrachloride
Concen: 50.427 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052594.D
Acq: 30 Nov 2018 9:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.8	115.2
121	31.6	24.9	37.3



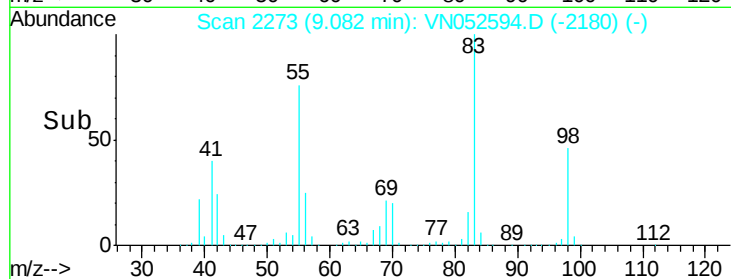
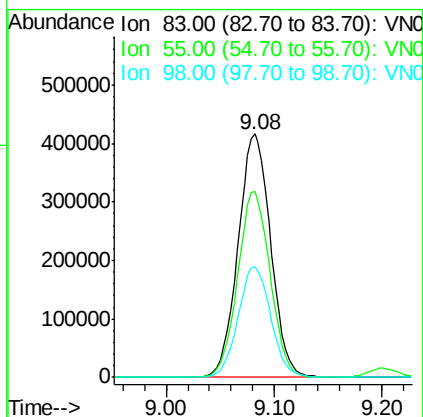
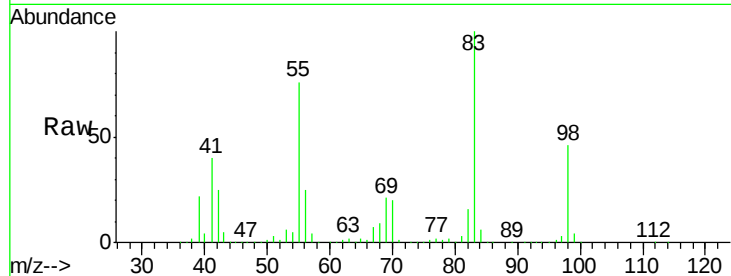


#39
Methylcyclohexane
Concen: 49.129 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052594.D
Acq: 30 Nov 2018 9:29

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

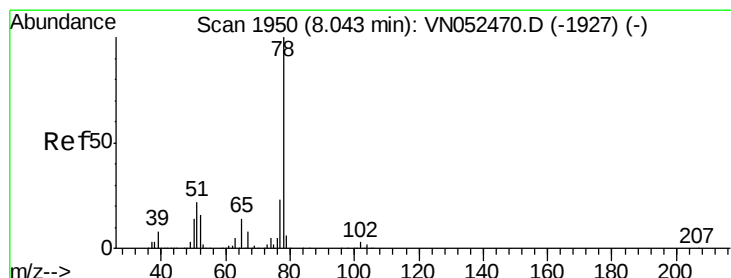
Tgt Ion	Ratio	Lower	Upper
83	100		
55	76.4	62.2	93.2
98	45.5	36.4	54.6

Manual Integrations
APPROVED



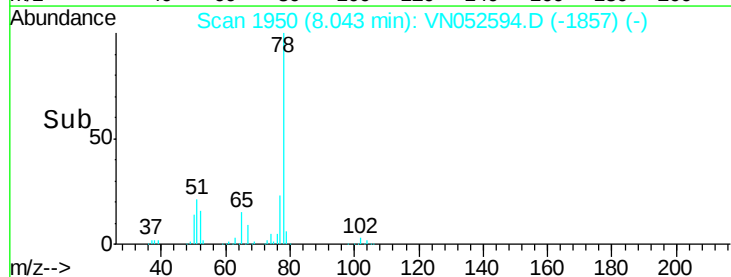
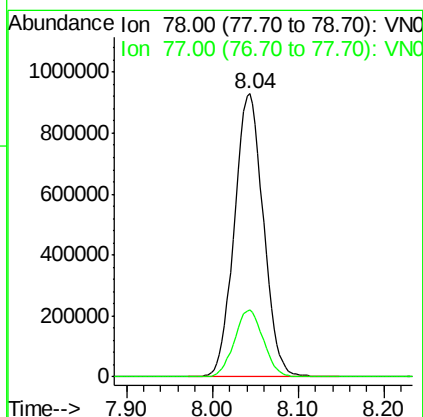
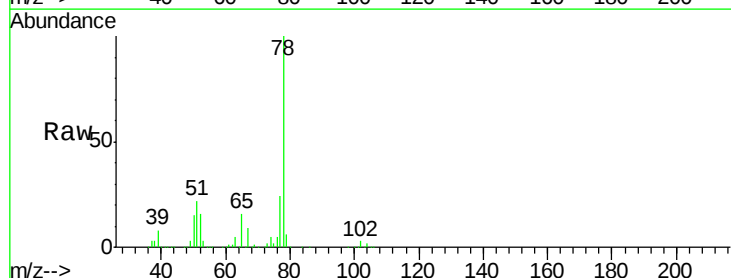
MMDadoda

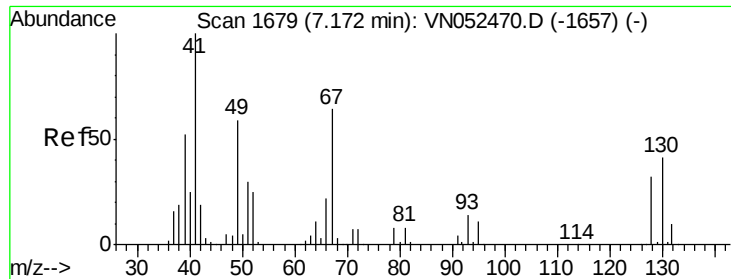
12/3/2018 10:49:19 AM



#40
Benzene
Concen: 49.889 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052594.D
Acq: 30 Nov 2018 9:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.8	28.2



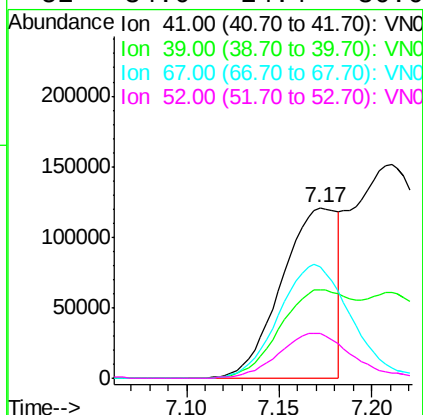
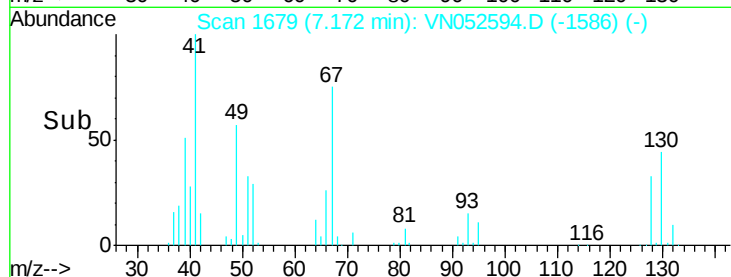
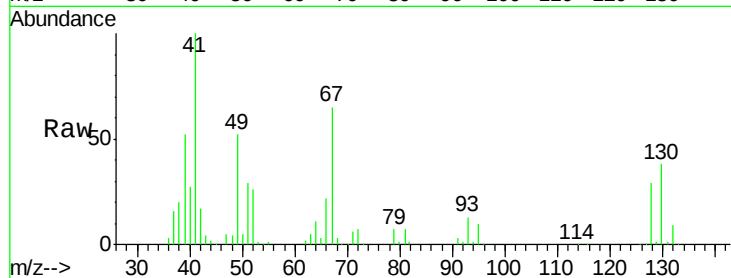


#41
Methacrylonitrile
Concen: 51.711 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN052594.D
Acq: 30 Nov 2018 9:29

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

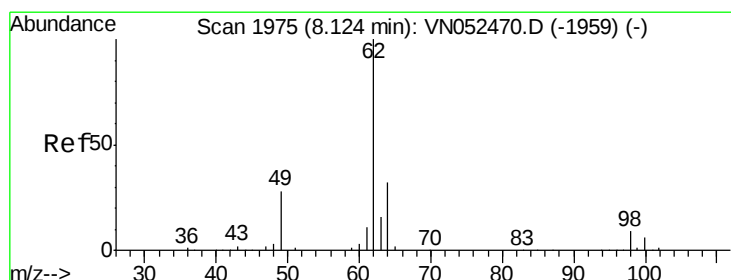
Tgt Ion	Ratio	Lower	Upper
41	100		
39	65.4	50.9	76.3
67	87.6	63.6	95.4
52	34.0	24.4	36.6

Manual Integrations
APPROVED



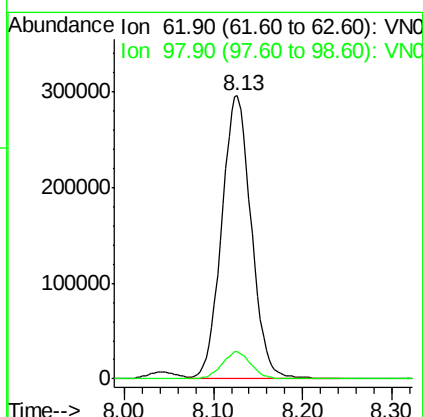
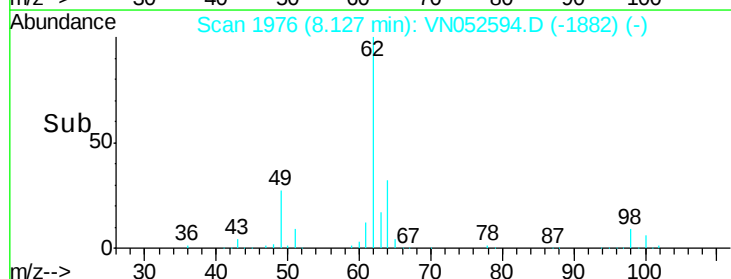
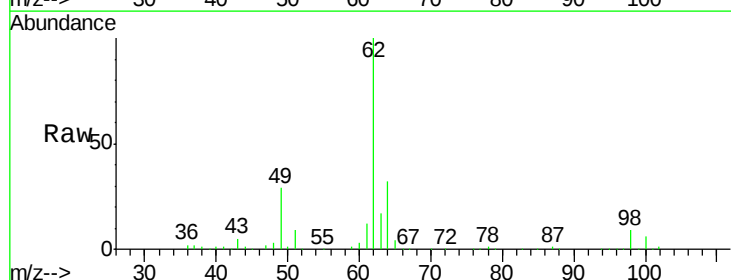
MMDadoda

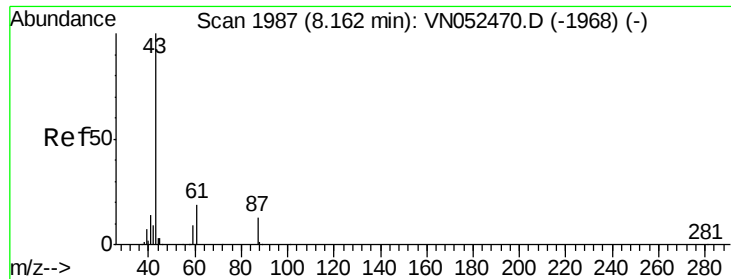
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#42
1,2-Dichloroethane
Concen: 51.381 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052594.D
Acq: 30 Nov 2018 9:29

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.6



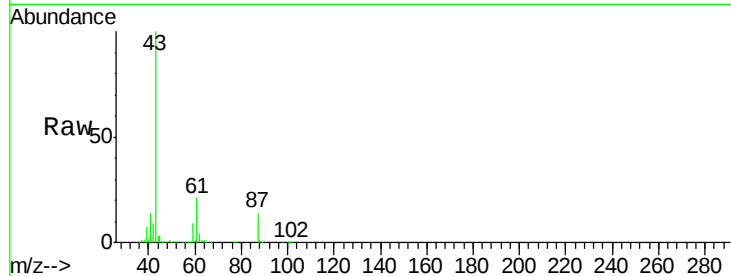


#43
Isopropyl Acetate
Concen: 57.235 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052594.D
Acq: 30 Nov 2018 9:29

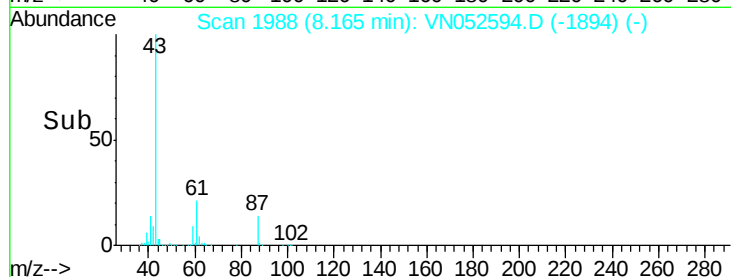
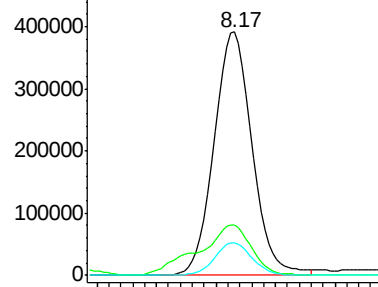
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	28.6	24.1	36.1
87	13.3	10.6	15.8

Manual Integrations
APPROVED

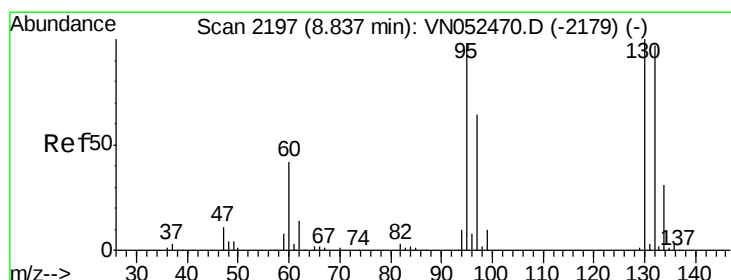


Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-1968) (-)
Ion 61.00 (60.70 to 61.70): VN052470.D (-1968) (-)
Ion 87.00 (86.70 to 87.70): VN052470.D (-1968) (-)



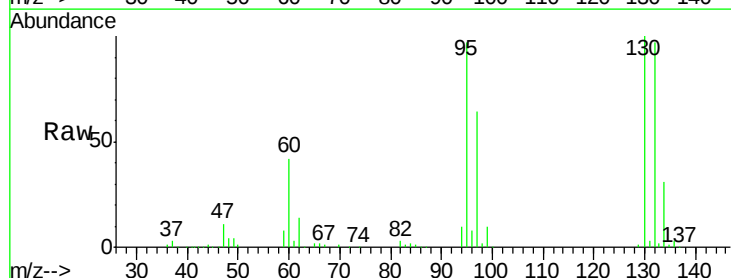
MMDadoda

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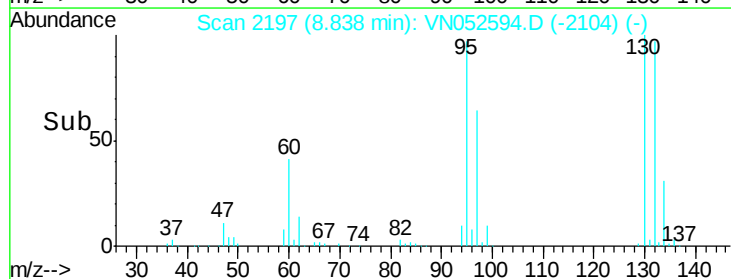
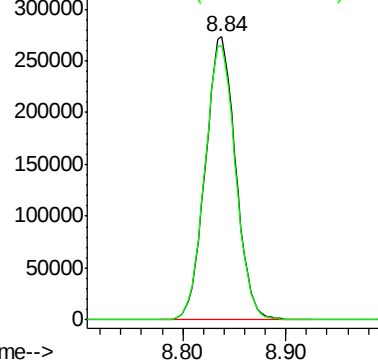


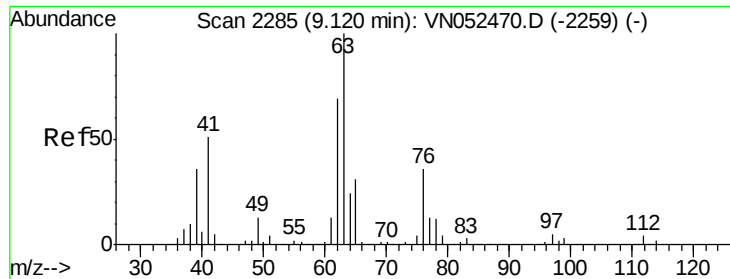
#44
Trichloroethene
Concen: 50.040 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN052594.D
Acq: 30 Nov 2018 9:29

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.1	0.0	195.6



Abundance Ion 129.80 (129.50 to 130.50): VN052470.D (-2179) (-)
Ion 94.90 (94.60 to 95.60): VN052470.D (-2179) (-)



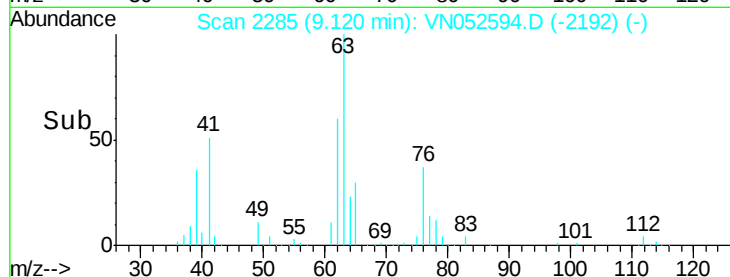
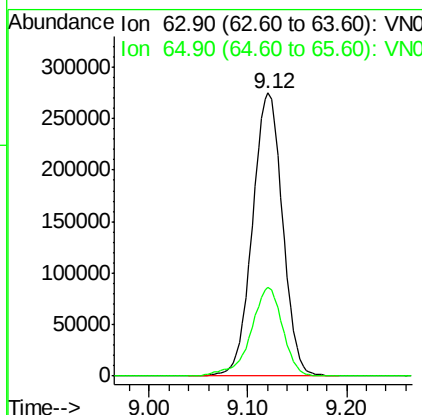
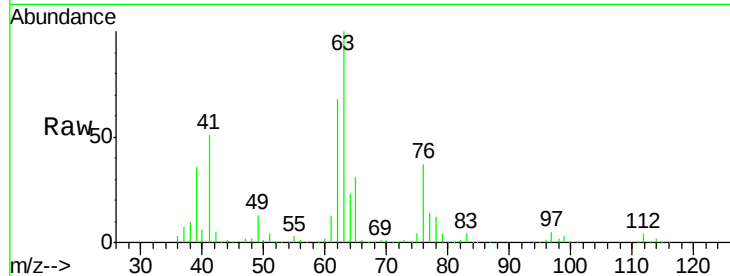


#45
 1,2-Dichloropropane
 Concen: 49.797 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052594.D
 Acq: 30 Nov 2018 9:29

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

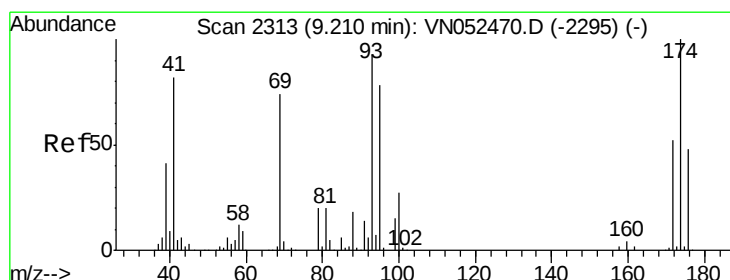
Tgt Ion: 63 Resp: 577374
 Ion Ratio Lower Upper
 63 100
 65 31.4 25.0 37.6

Manual Integrations
 APPROVED



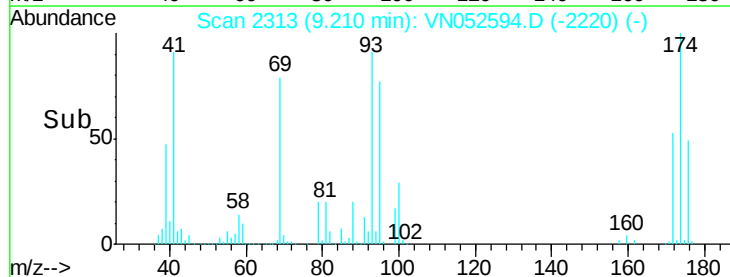
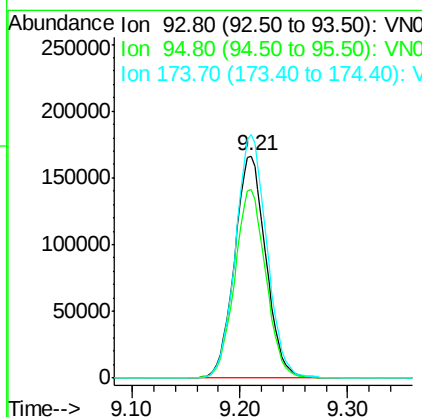
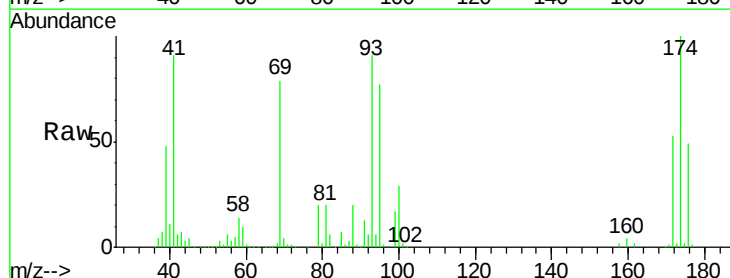
MMDadoda

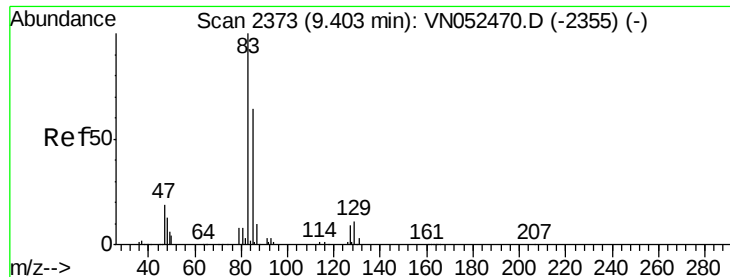
12/3/2018 10:49:19 AM



#46
 Dibromomethane
 Concen: 52.470 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052594.D
 Acq: 30 Nov 2018 9:29

Tgt Ion: 93 Resp: 336779
 Ion Ratio Lower Upper
 93 100
 95 84.4 67.1 100.7
 174 109.2 85.8 128.8





#47

Bromodichloromethane

Concen: 51.154 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052594.D

Acq: 30 Nov 2018 9:29

Instrument :

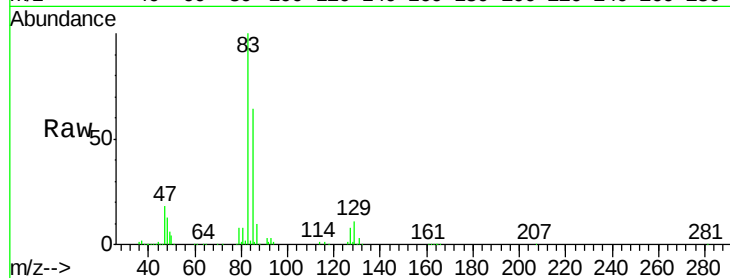
MSVOA_N

ClientSampled :

VSTDCCC050

Tgt Ion:	83	Resp:	713856
Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.3	76.9
127	8.4	6.9	10.3

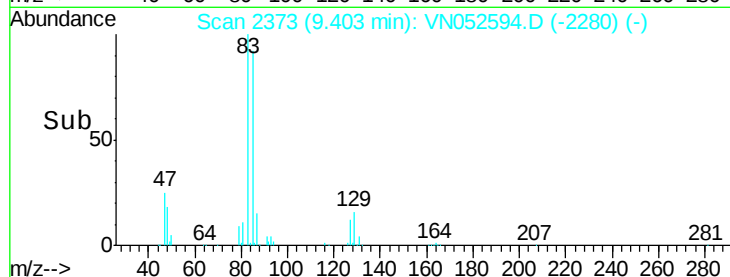
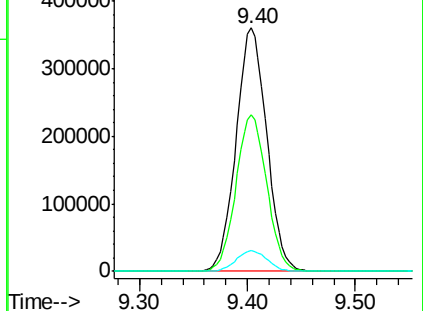
Manual Integrations
APPROVED



Abundance Ion 82.90 (82.60 to 83.60): VN052594.D (-2280) (-)

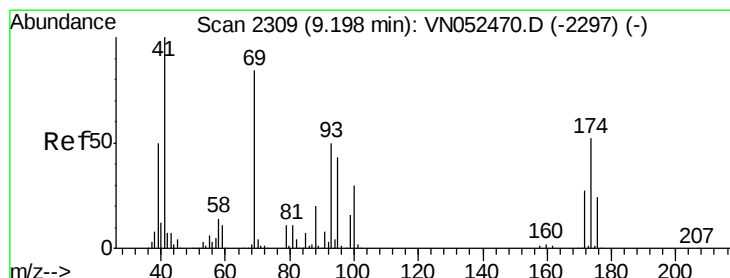
Ion 84.90 (84.60 to 85.60): VN052594.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN052594.D (-2280) (-)



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#48

Methyl methacrylate

Concen: 55.742 ug/l

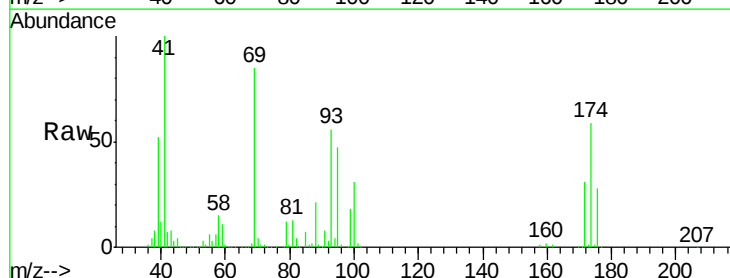
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052594.D

Acq: 30 Nov 2018 9:29

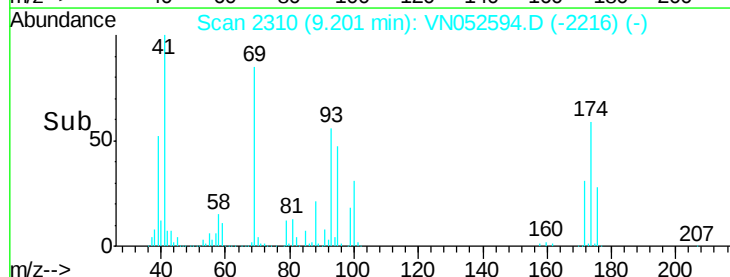
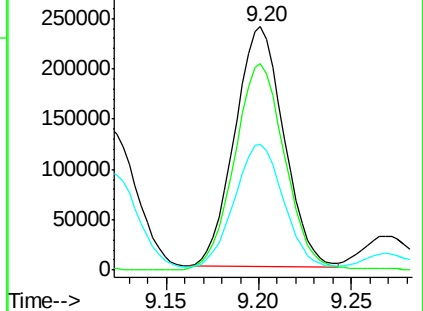
Tgt Ion:	41	Resp:	439285
Ion	Ratio	Lower	Upper
41	100		
69	88.7	70.0	105.0
39	53.5	42.6	64.0

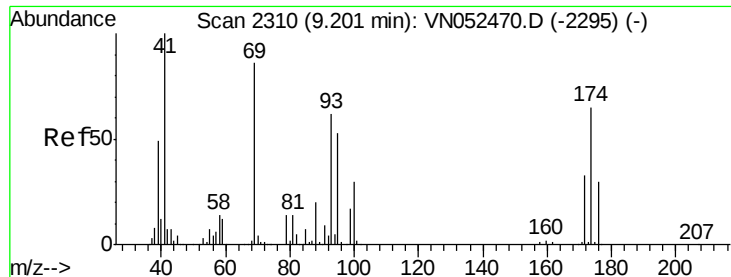


Abundance Ion 41.00 (40.70 to 41.70): VN052594.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN052594.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN052594.D (-2216) (-)



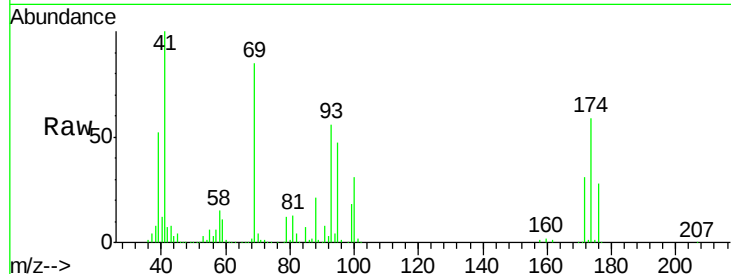


#49
1,4-Dioxane
Concen: 1328.099 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052594.D
Acq: 30 Nov 2018 9:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	108622		
43	34.1	26.4	39.6	
58	69.4	55.4	83.0	

Manual Integrations
APPROVED

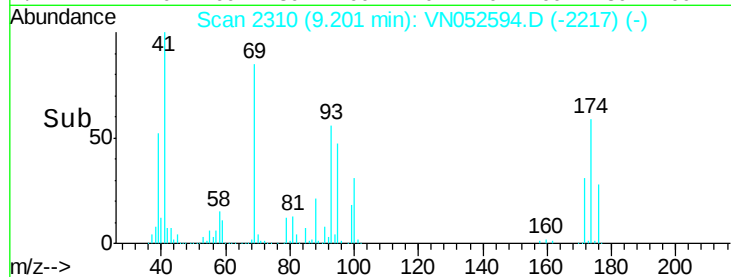
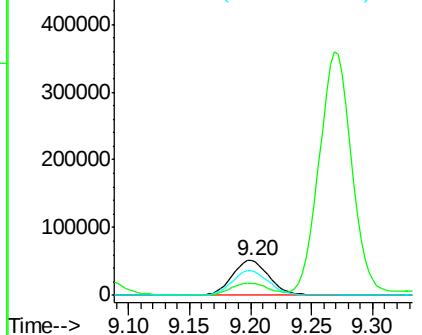


Abundance

Ion 88.00 (87.70 to 88.70): VN052470.D (-2295) (-)

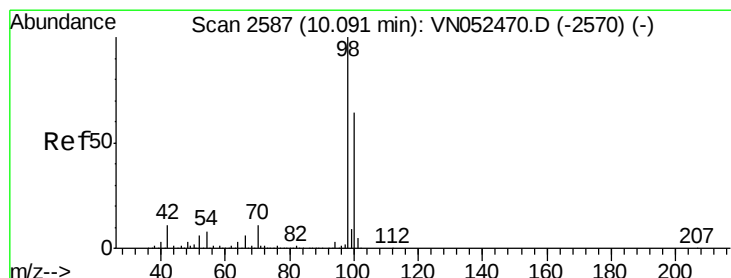
Ion 43.00 (42.70 to 43.70): VN052470.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN052470.D (-2295) (-)



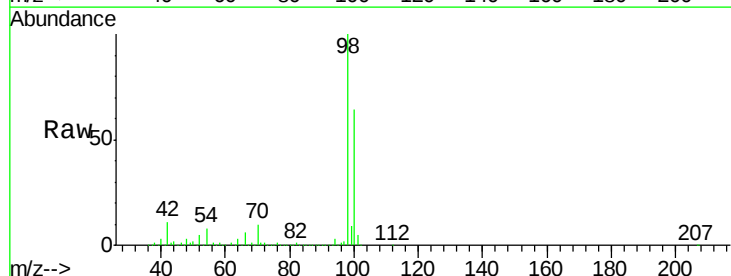
MMDadoda

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#50
Toluene-d8
Concen: 1328.099 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052594.D
Acq: 30 Nov 2018 9:29

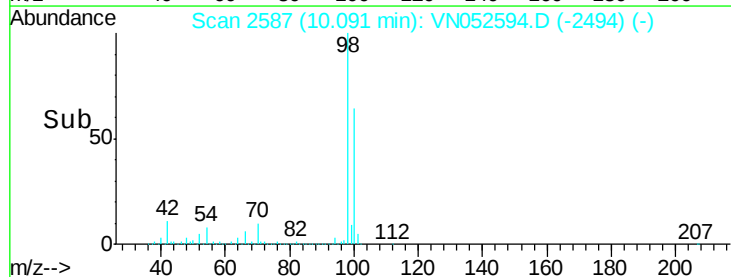
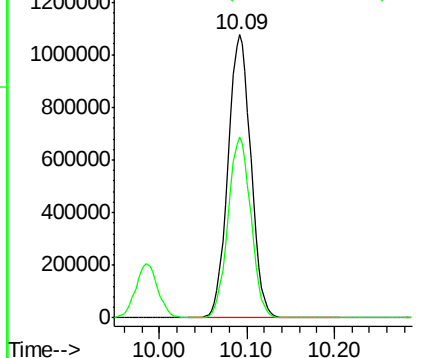
Tgt Ion	Ratio	Resp	Lower	Upper
98	100	1947753		
100	64.0	51.3	76.9	

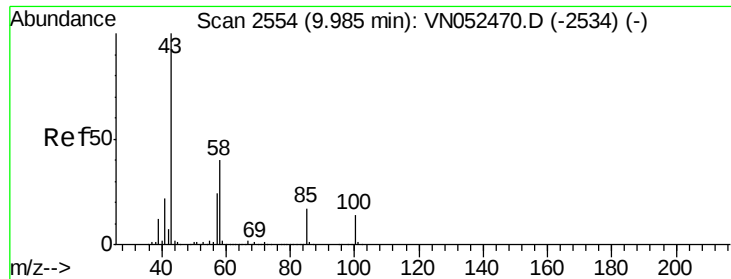


Abundance

Ion 98.00 (97.70 to 98.70): VN052470.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN052470.D (-2570) (-)



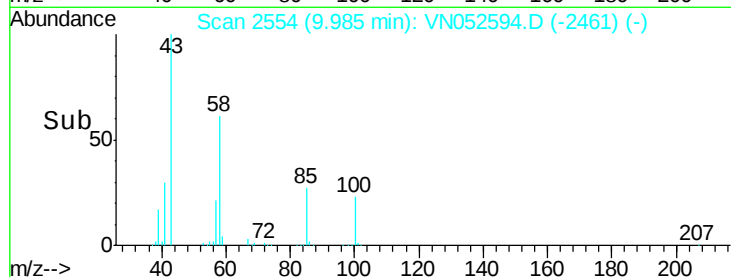
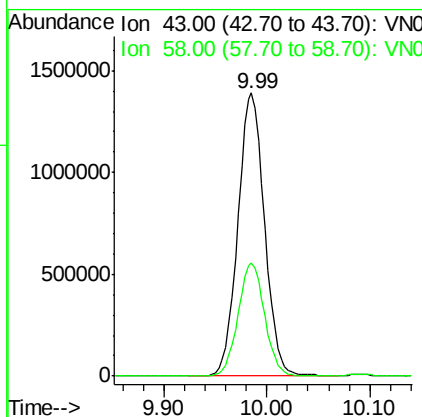
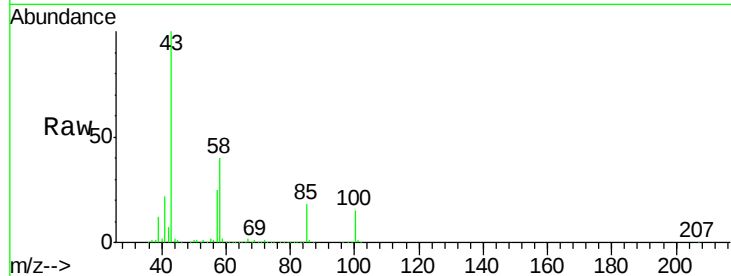


#51
 4-Methyl-2-Pentanone
 Concen: 294.060 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN052594.D
 Acq: 30 Nov 2018 9:29

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

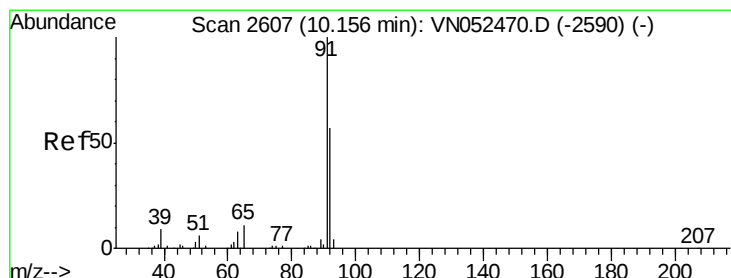
Tgt Ion: 43 Resp: 2493564
 Ion Ratio Lower Upper
 43 100
 58 39.9 31.5 47.3

Manual Integrations
 APPROVED



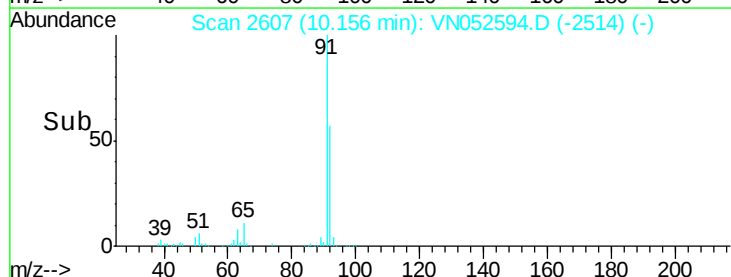
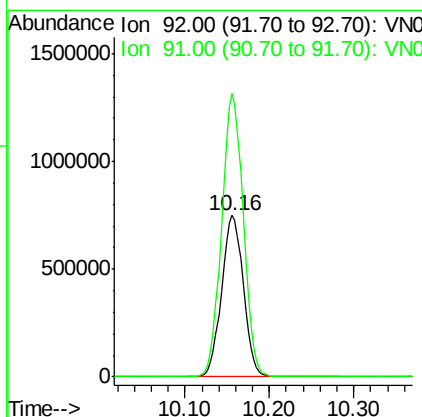
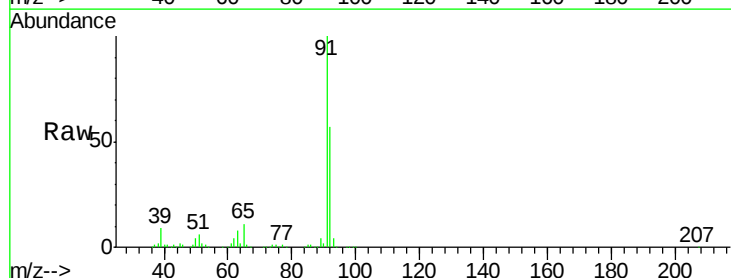
MMDadoda

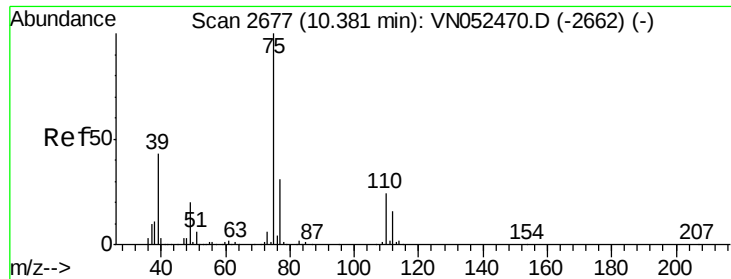
12/3/2018 10:49:19 AM



#52
 Toluene
 Concen: 51.715 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN052594.D
 Acq: 30 Nov 2018 9:29

Tgt Ion: 92 Resp: 1339984
 Ion Ratio Lower Upper
 92 100
 91 174.5 141.0 211.4



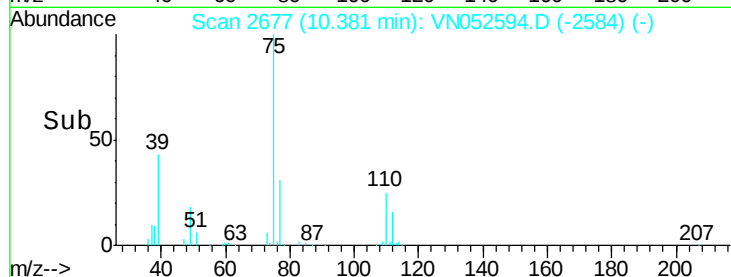
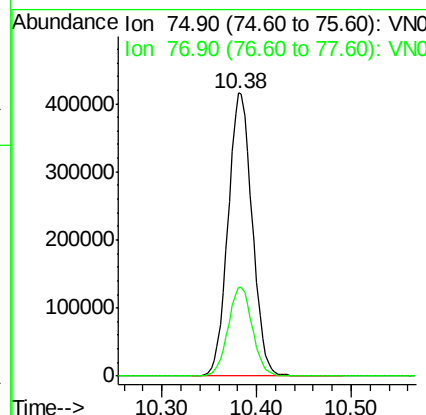
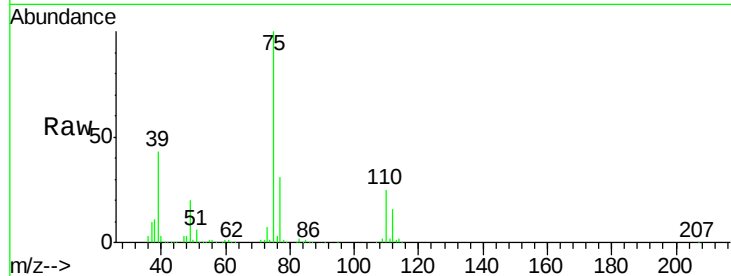


#53
t-1,3-Dichloropropene
Concen: 54.837 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN052594.D
Acq: 30 Nov 2018 9:29

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

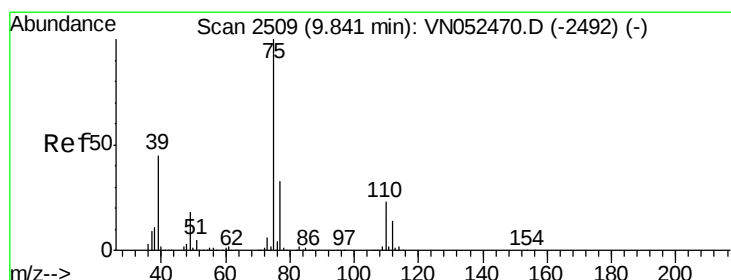
Tgt Ion: 75 Resp: 736197
Ion Ratio Lower Upper
75 100
77 31.3 25.0 37.4

Manual Integrations
APPROVED



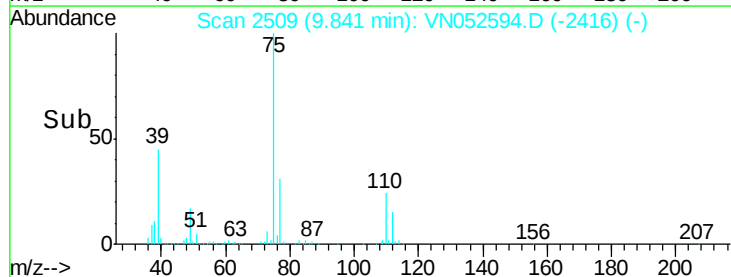
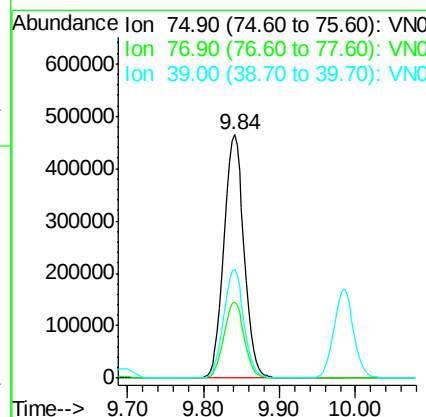
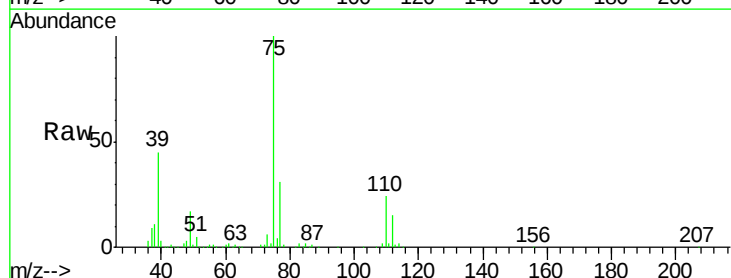
MMDadoda

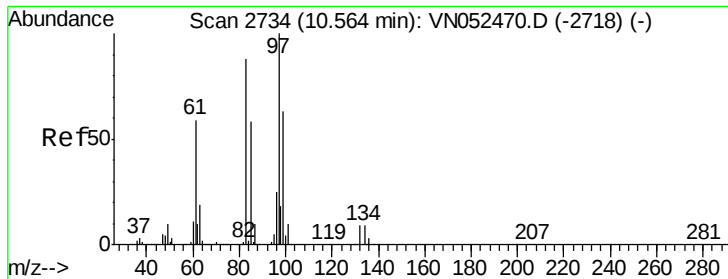
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#54
cis-1,3-Dichloropropene
Concen: 53.376 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN052594.D
Acq: 30 Nov 2018 9:29

Tgt Ion: 75 Resp: 858719
Ion Ratio Lower Upper
75 100
77 31.5 26.2 39.2
39 44.8 36.0 54.0



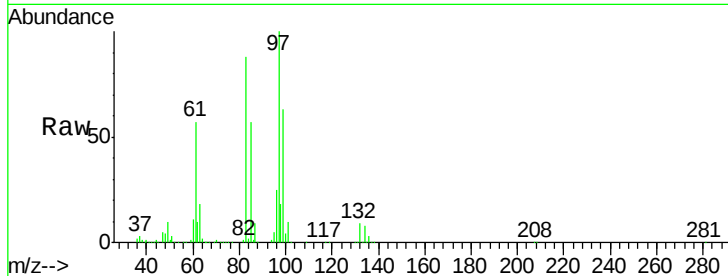


#55
 1,1,2-Trichloroethane
 Concen: 53.248 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052594.D
 Acq: 30 Nov 2018 9:29

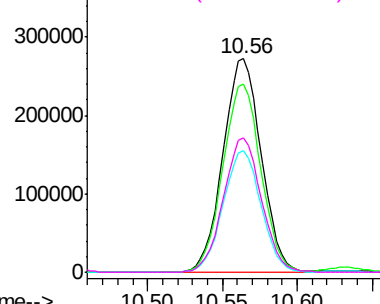
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.3	70.7	106.1
85	56.7	46.1	69.1
99	62.9	50.8	76.2

Manual Integrations
 APPROVED

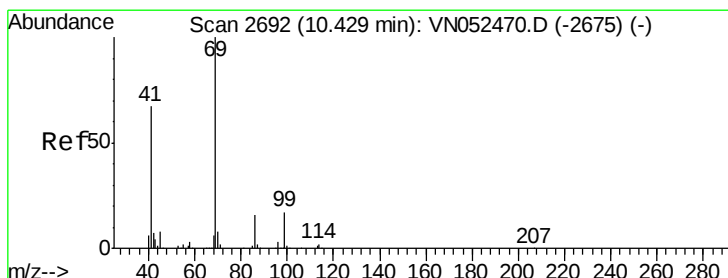
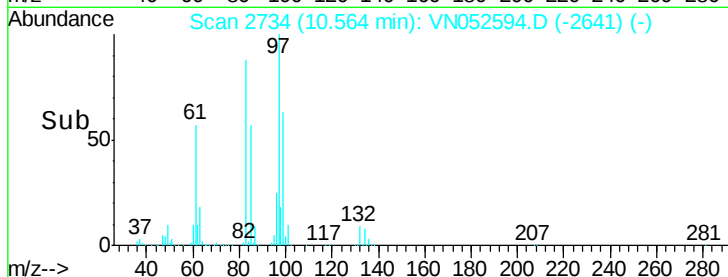


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0



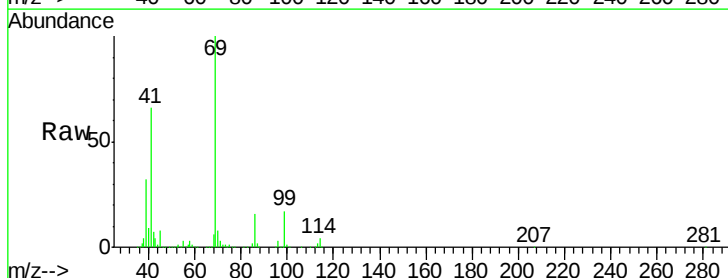
MMDadoda

12/3/2018 10:49:19 AM

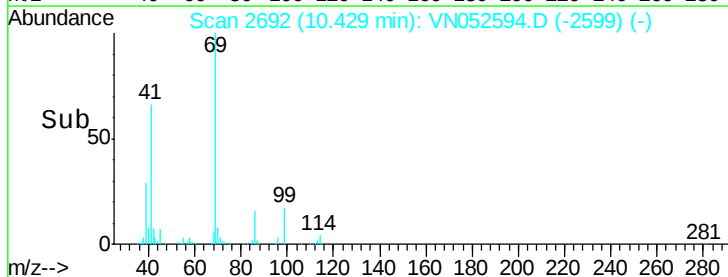
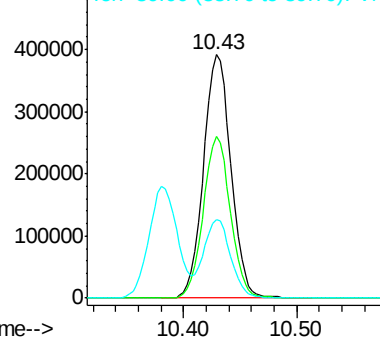


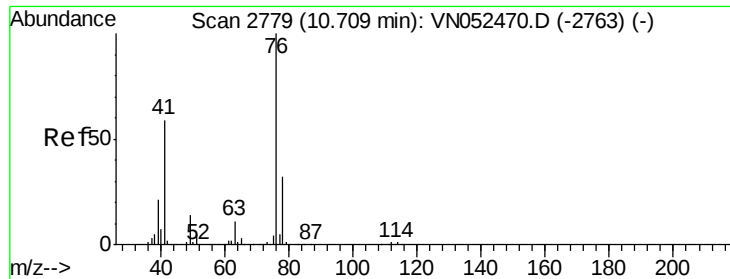
#56
 Ethyl methacrylate
 Concen: 52.187 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052594.D
 Acq: 30 Nov 2018 9:29

Tgt Ion	Ratio	Lower	Upper
69	100		
41	64.6	52.6	79.0
39	32.1	25.9	38.9



Abundance Ion 69.00 (68.70 to 69.70): VN0
 Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0



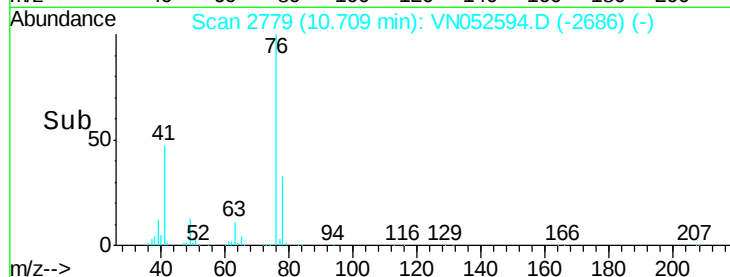
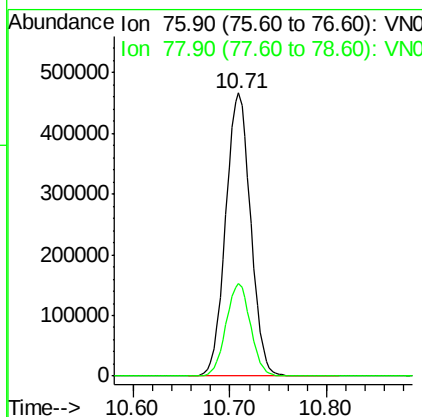
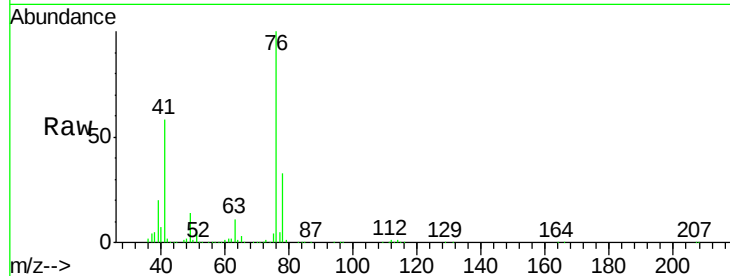


#57
 1,3-Dichloropropane
 Concen: 51.898 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN052594.D
 Acq: 30 Nov 2018 9:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

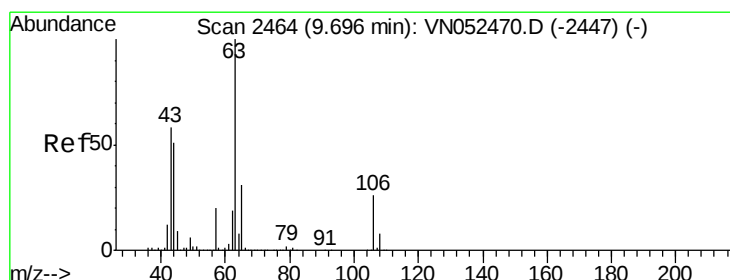
Tgt Ion: 76 Resp: 835205
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.6 38.4

Manual Integrations
 APPROVED



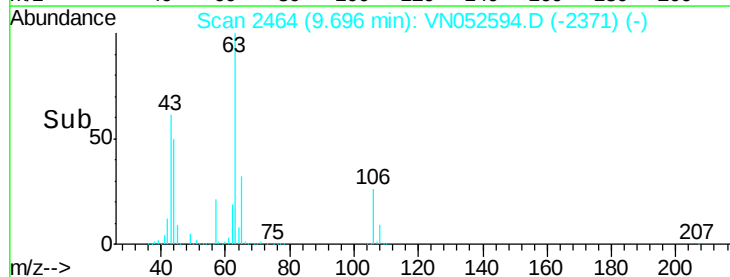
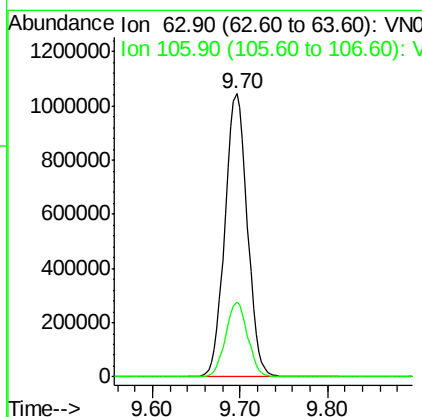
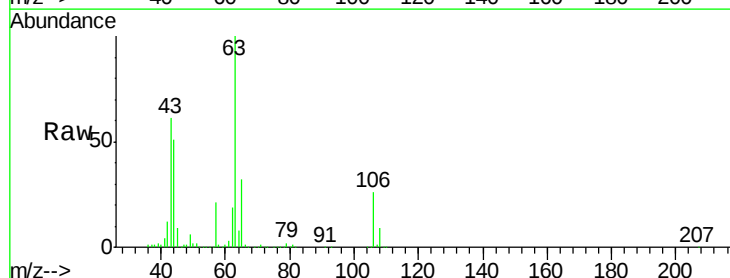
MMDadoda

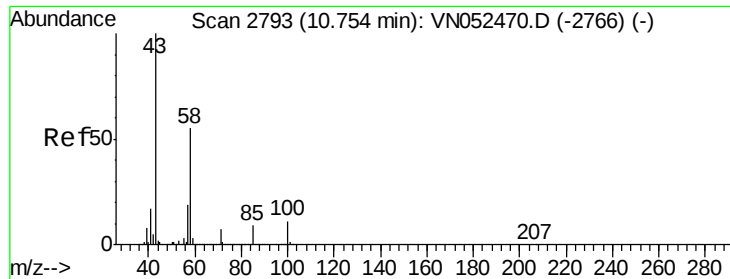
12/3/2018 10:49:19 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 281.259 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052594.D
 Acq: 30 Nov 2018 9:29

Tgt Ion: 63 Resp: 1860135
 Ion Ratio Lower Upper
 63 100
 106 26.1 20.6 30.8



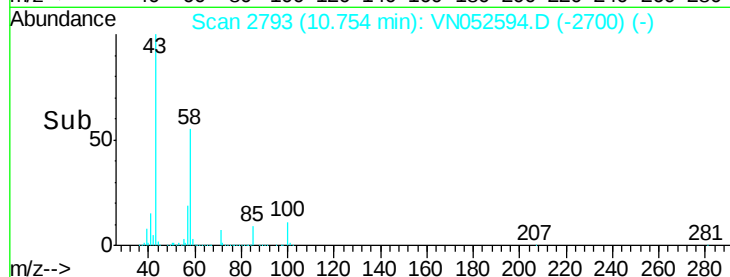
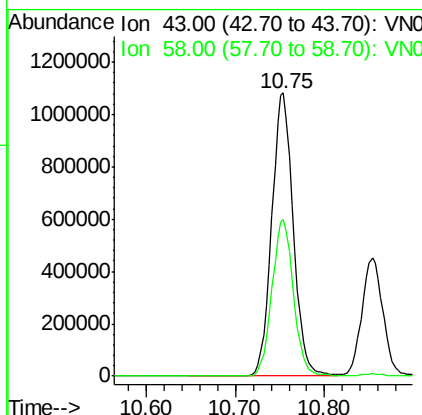
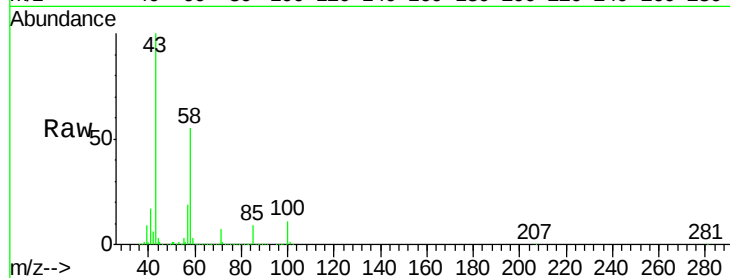


#59
2-Hexanone
Concen: 319.894 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052594.D
Acq: 30 Nov 2018 9:29

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

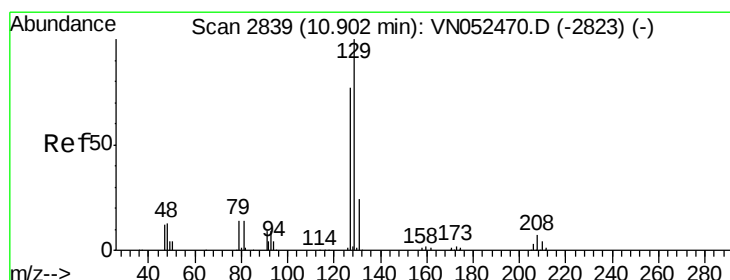
Tgt Ion: 43 Resp: 1820584
Ion Ratio Lower Upper
43 100
58 55.4 27.4 82.0

Manual Integrations
APPROVED



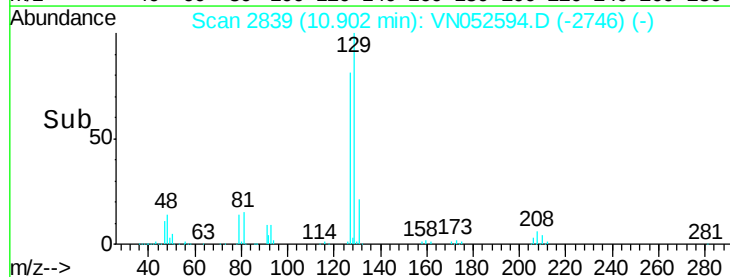
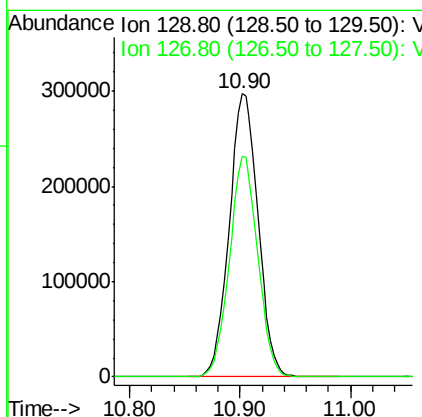
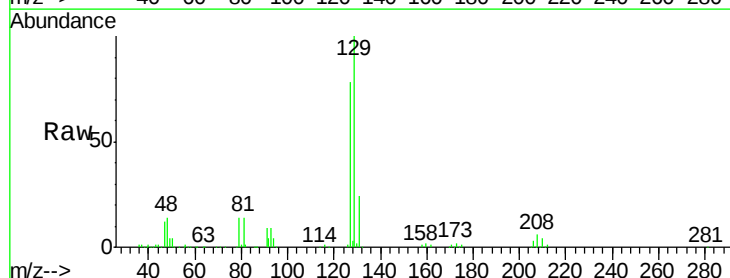
MMDadoda

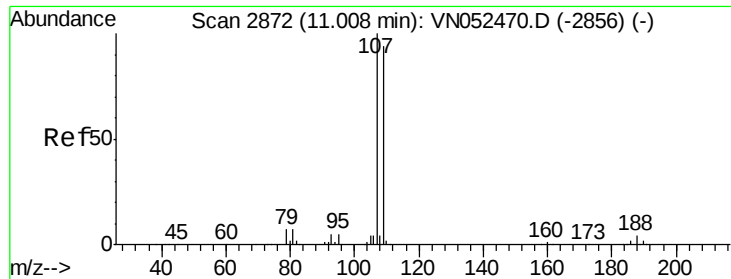
12/3/2018 10:49:19 AM



#60
Dibromochloromethane
Concen: 54.330 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052594.D
Acq: 30 Nov 2018 9:29

Tgt Ion: 129 Resp: 537819
Ion Ratio Lower Upper
129 100
127 76.7 38.9 116.6



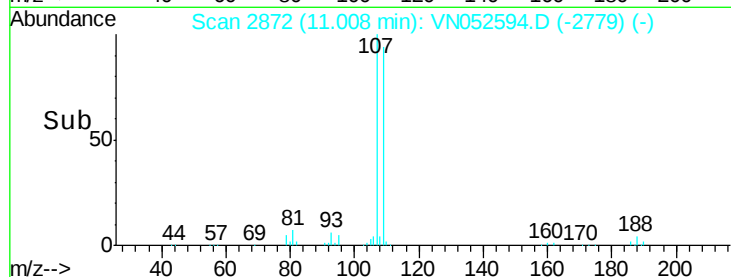
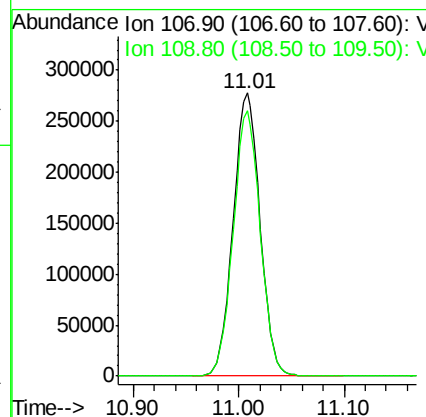
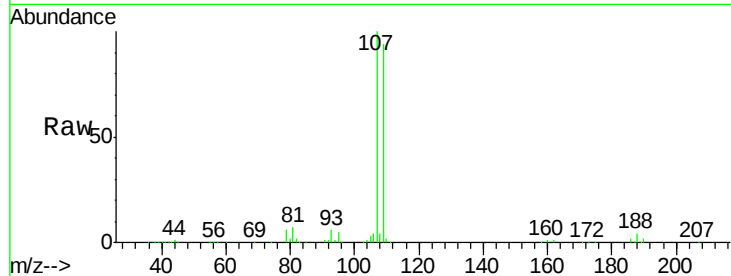


#61
 1,2-Dibromoethane
 Concen: 53.954 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052594.D
 Acq: 30 Nov 2018 9:29

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

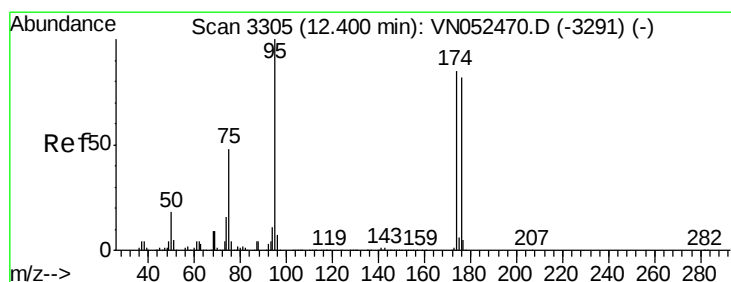
Tgt Ion: 107 Resp: 488414
 Ion Ratio Lower Upper
 107 100
 109 94.4 75.6 113.4

Manual Integrations
 APPROVED



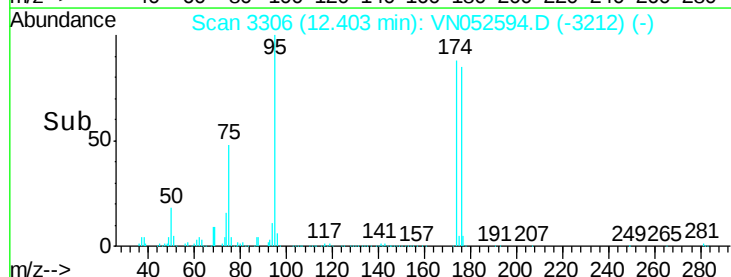
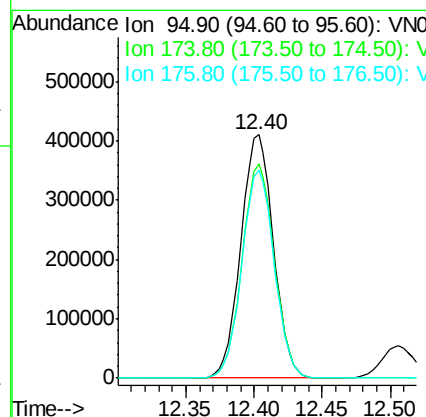
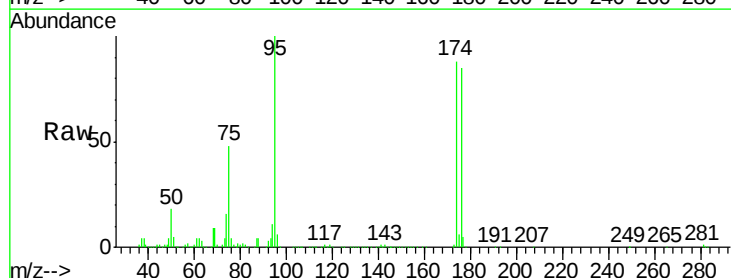
MMDadoda

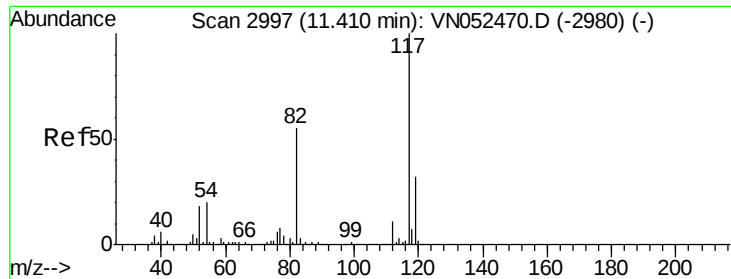
12/3/2018 10:49:19 AM



#62
 4-Bromofluorobenzene
 Concen: 53.954 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN052594.D
 Acq: 30 Nov 2018 9:29

Tgt Ion: 95 Resp: 680778
 Ion Ratio Lower Upper
 95 100
 174 87.0 0.0 173.0
 176 84.6 0.0 166.2



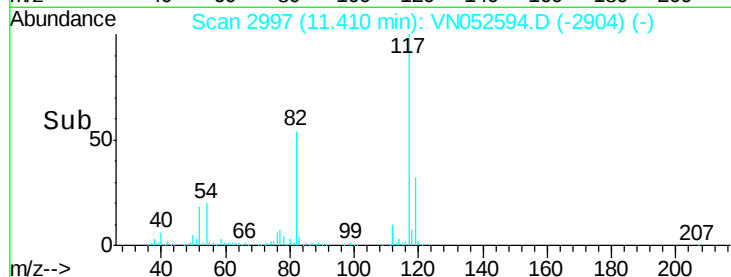
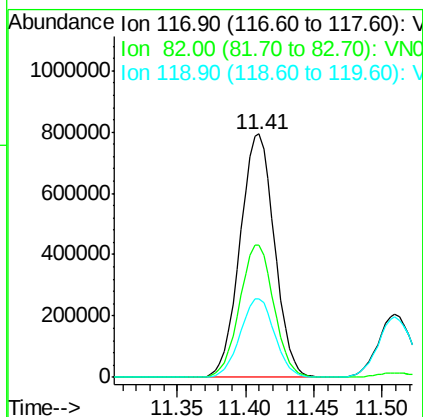
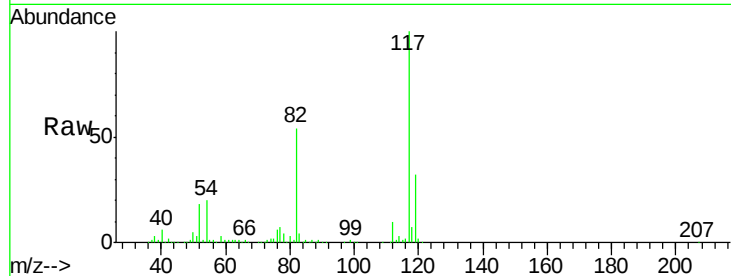


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052594.D
Acq: 30 Nov 2018 9:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

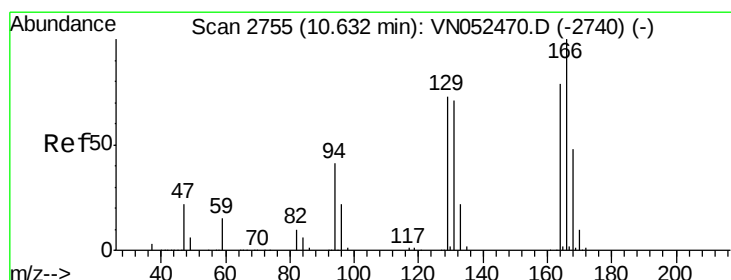
Tgt Ion:117 Resp: 1389307
Ion Ratio Lower Upper
117 100
82 54.1 43.6 65.4
119 32.4 25.4 38.2

Manual Integrations
APPROVED



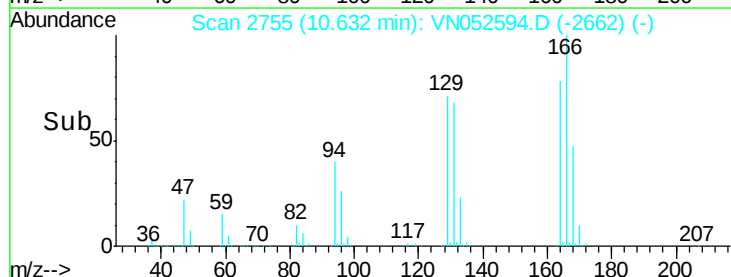
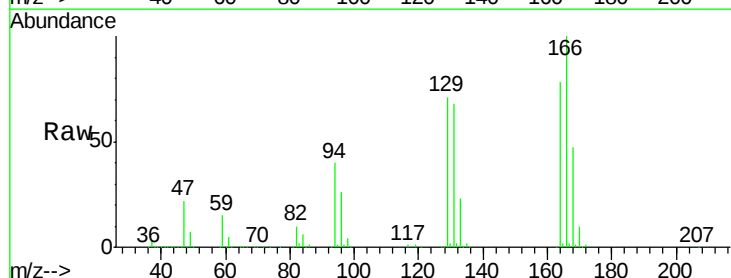
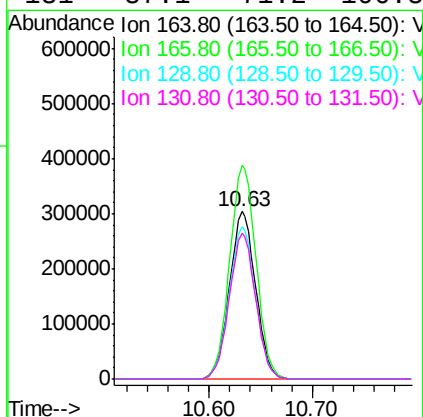
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#64
Tetrachloroethene
Concen: 49.765 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052594.D
Acq: 30 Nov 2018 9:29

Tgt Ion:164 Resp: 536054
Ion Ratio Lower Upper
164 100
166 127.4 101.0 151.4
129 91.0 73.8 110.6
131 87.1 71.2 106.8



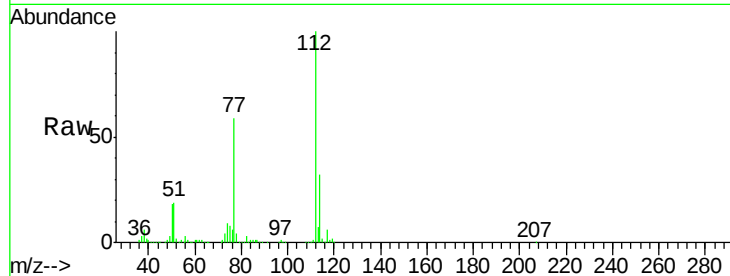


#65
Chlorobenzene
Concen: 50.715 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN052594.D
Acq: 30 Nov 2018 9:29

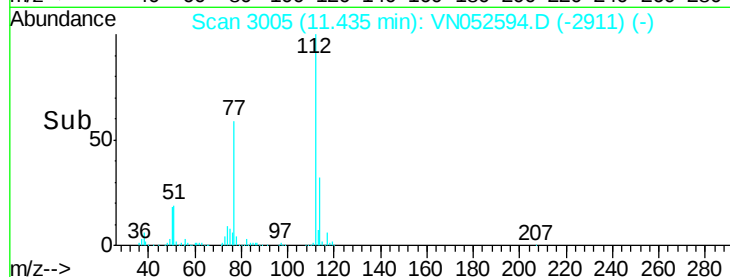
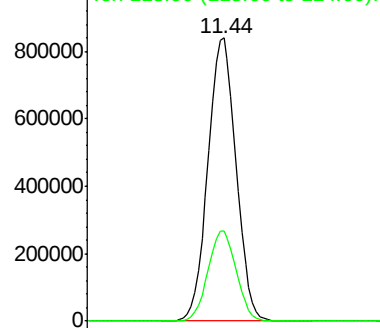
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion:112 Resp: 1452856
Ion Ratio Lower Upper
112 100
114 32.0 25.8 38.6

Manual Integrations
APPROVED



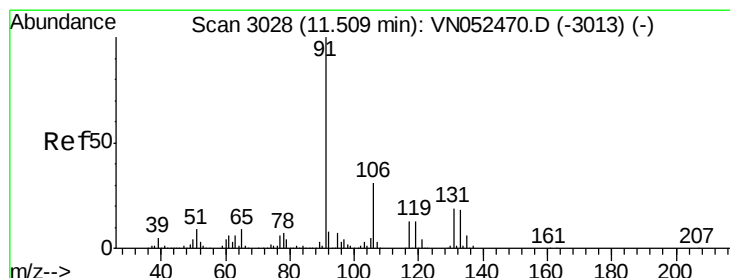
Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V



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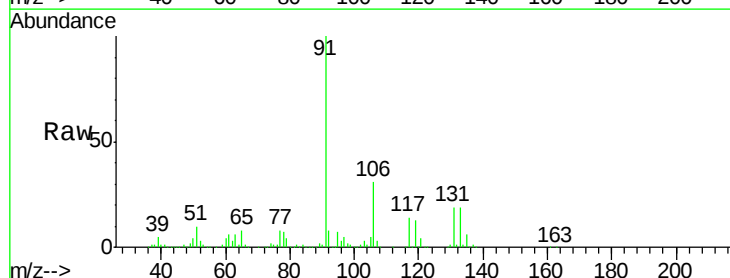
12/3/2018 10:49:19 AM

Time-->

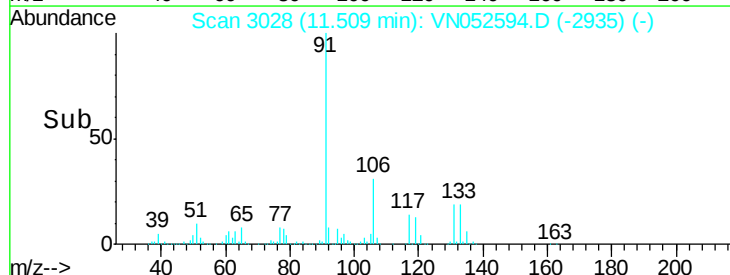
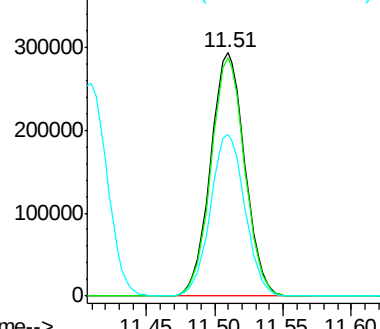


#66
1,1,1,2-Tetrachloroethane
Concen: 51.298 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052594.D
Acq: 30 Nov 2018 9:29

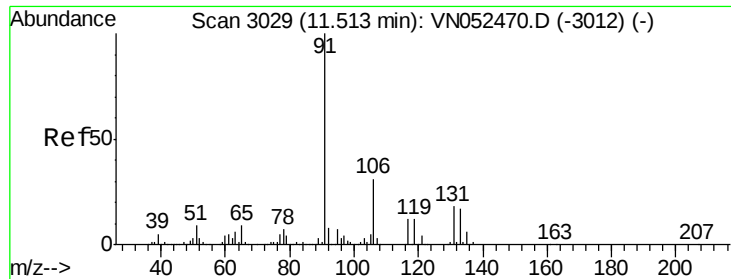
Tgt Ion:131 Resp: 510970
Ion Ratio Lower Upper
131 100
133 96.1 47.6 142.8
119 66.7 33.2 99.6



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V



Time-->



#67

Ethyl Benzene

Concen: 51.202 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN052594.D

Acq: 30 Nov 2018 9:29

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

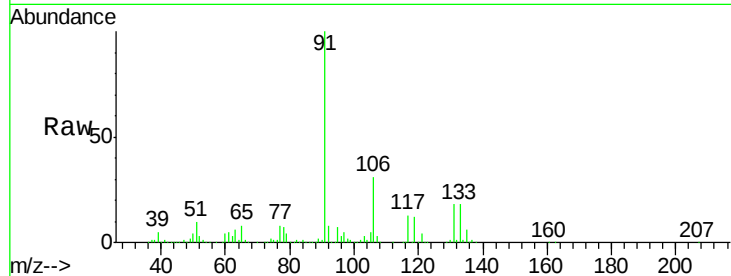
Tgt Ion: 91 Resp: 2568610

Ion Ratio Lower Upper

91 100

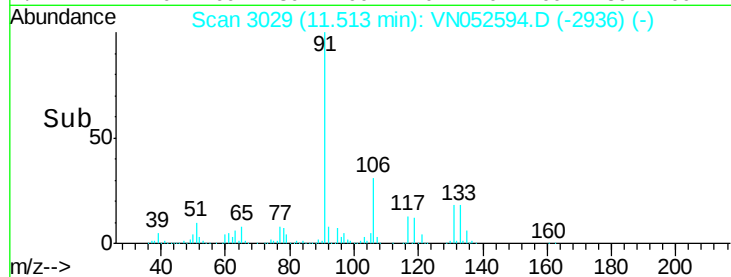
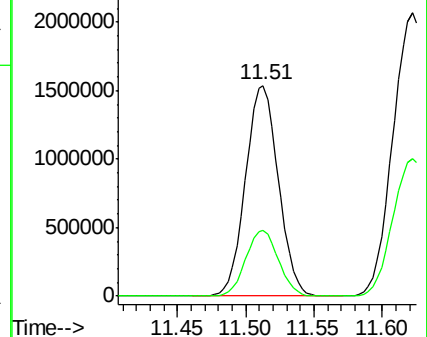
106 31.2 24.9 37.3

Manual Integrations
APPROVED



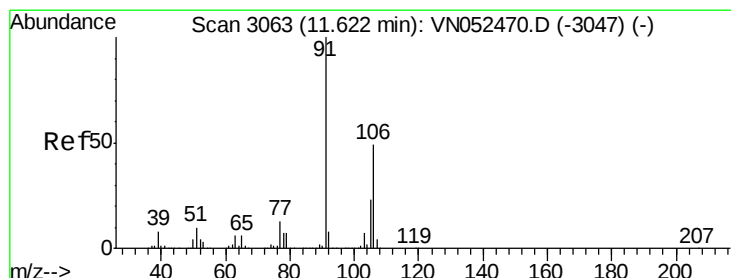
Abundance Ion 91.00 (90.70 to 91.70): VN052470.D (-3012) (-)

Ion 106.00 (105.70 to 106.70): VN052470.D (-3012) (-)



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#68

m/p-Xylenes

Concen: 103.589 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN052594.D

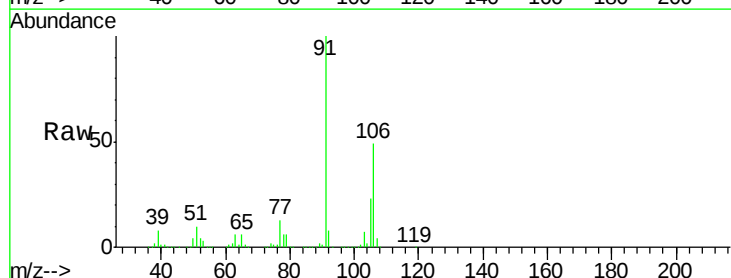
Acq: 30 Nov 2018 9:29

Tgt Ion: 106 Resp: 1934609

Ion Ratio Lower Upper

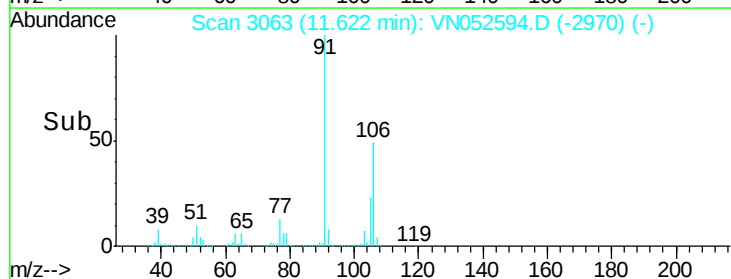
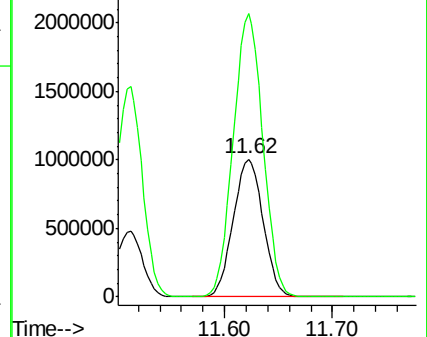
106 100

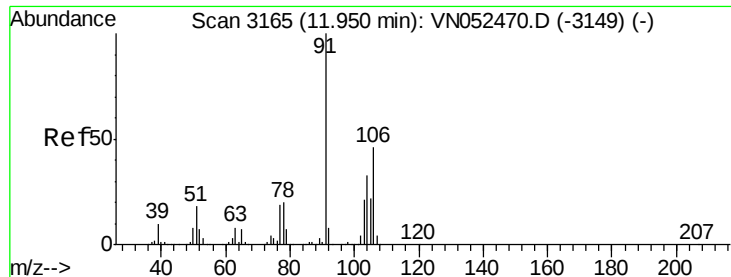
91 204.2 163.2 244.8



Abundance Ion 106.00 (105.70 to 106.70): VN052470.D (-3047) (-)

Ion 91.00 (90.70 to 91.70): VN052470.D (-3047) (-)



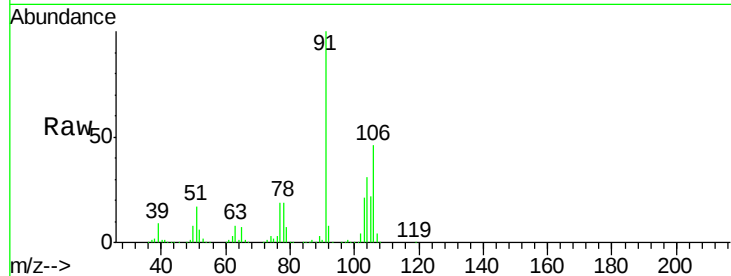


#69
o-Xylene
Concen: 52.100 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN052594.D
Acq: 30 Nov 2018 9:29

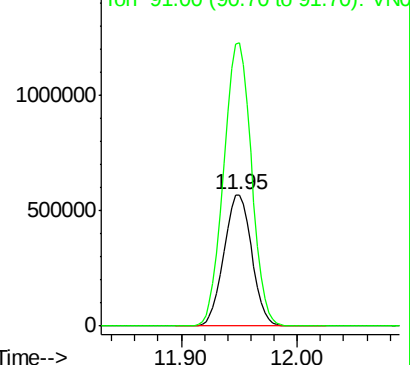
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion:106 Resp: 944870
Ion Ratio Lower Upper
106 100
91 215.2 107.7 323.1

Manual Integrations
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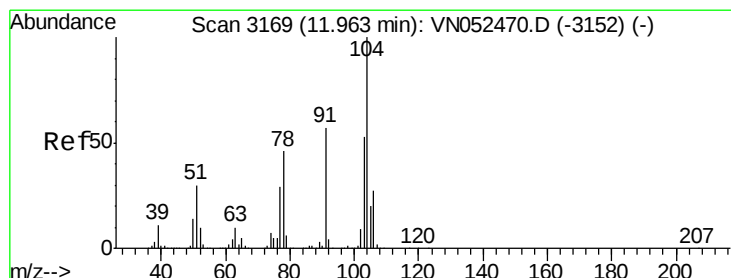
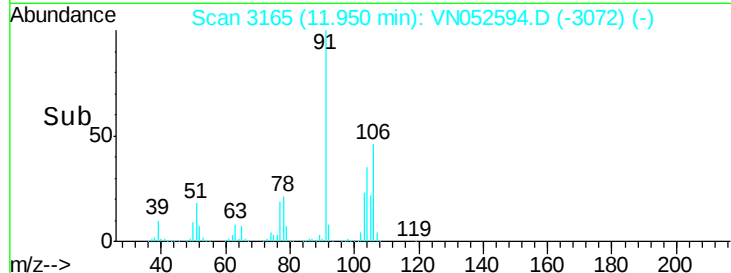


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0



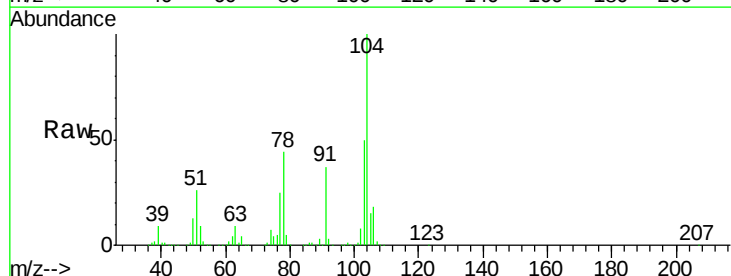
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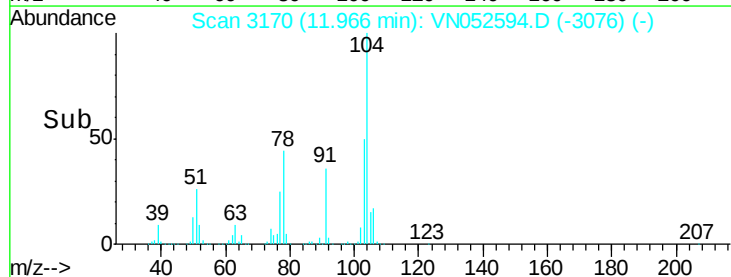
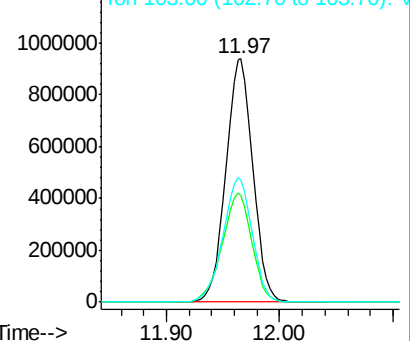


#70
Styrene
Concen: 53.970 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN052594.D
Acq: 30 Nov 2018 9:29

Tgt Ion:104 Resp: 1558961
Ion Ratio Lower Upper
104 100
78 49.2 39.4 59.2
103 55.5 44.9 67.3



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN0
Ion 103.00 (102.70 to 103.70): V



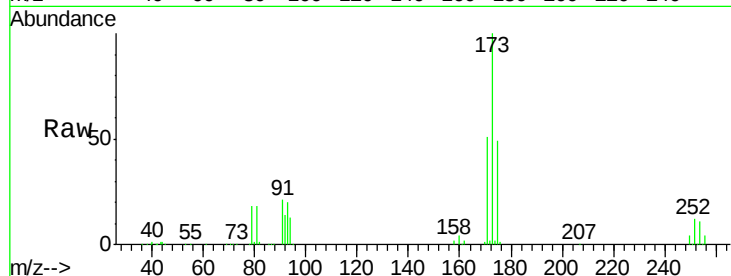


#71
Bromoform
Concen: 55.981 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052594.D
Acq: 30 Nov 2018 9:29

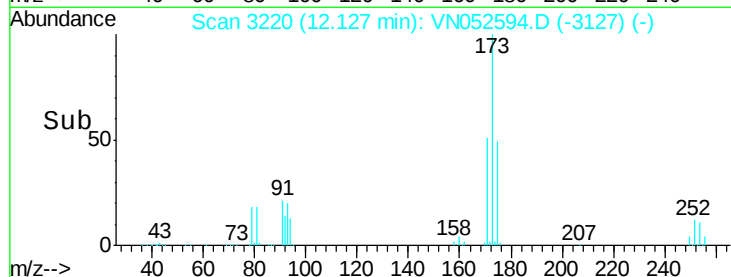
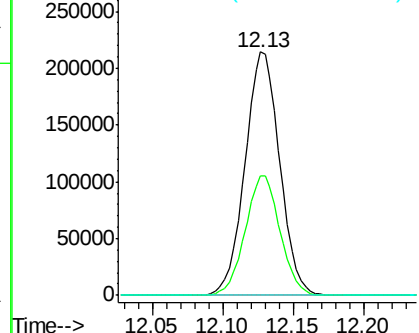
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.4	73.2
254	0.1	0.1	0.1

Manual Integrations
APPROVED

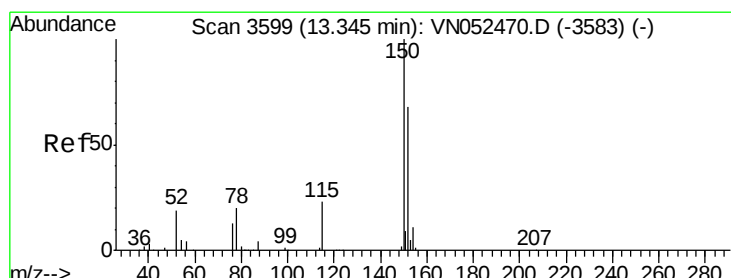


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



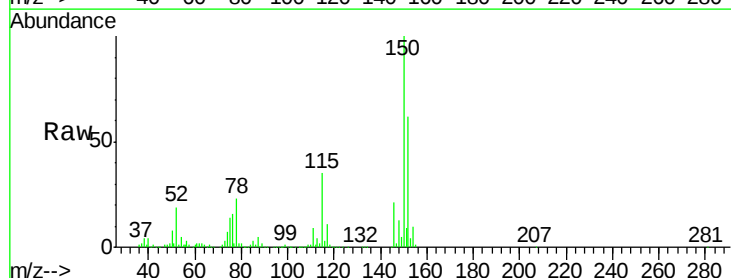
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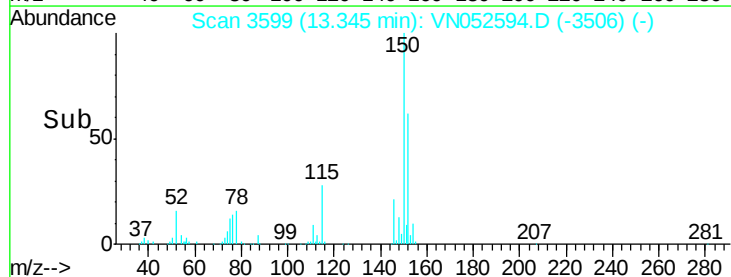
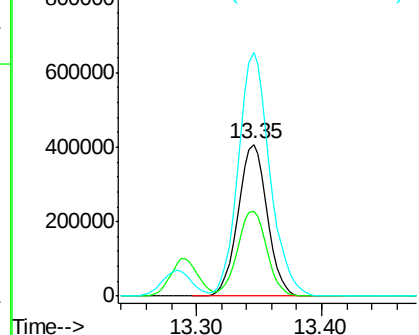


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN052594.D
Acq: 30 Nov 2018 9:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.5	28.4	85.2
150	174.1	0.0	346.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.278 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052594.D

Acq: 30 Nov 2018 9:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

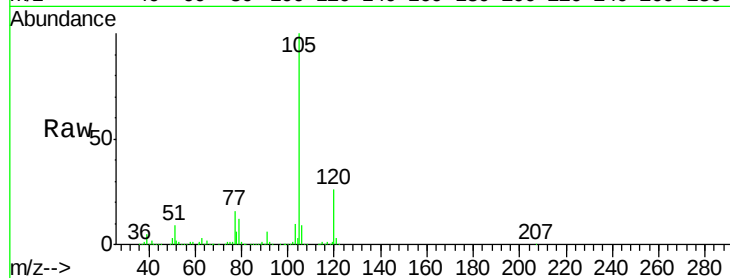
Tgt Ion: 105 Resp: 2529596

Ion Ratio Lower Upper

105 100

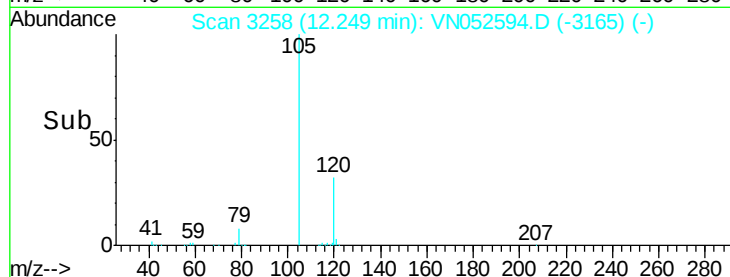
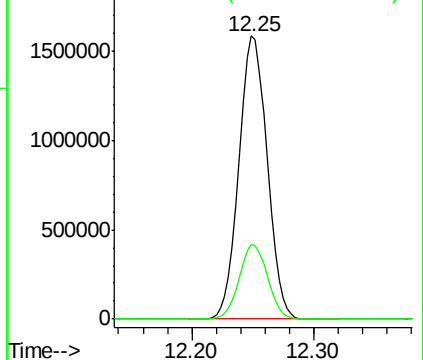
120 26.4 13.1 39.3

Manual Integrations
APPROVED



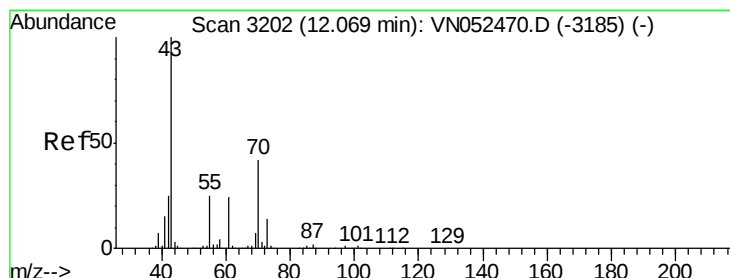
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



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#74

N-ethyl acetate

Concen: 58.314 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052594.D

Acq: 30 Nov 2018 9:29

Tgt Ion: 43 Resp: 756256

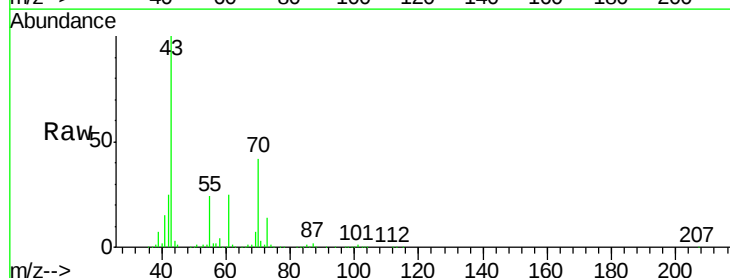
Ion Ratio Lower Upper

43 100

70 42.8 33.8 50.8

55 24.6 20.0 30.0

61 24.5 19.7 29.5

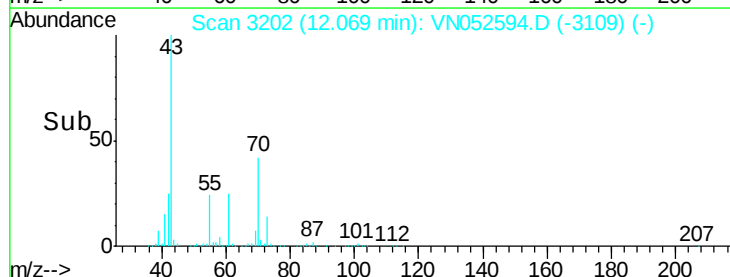
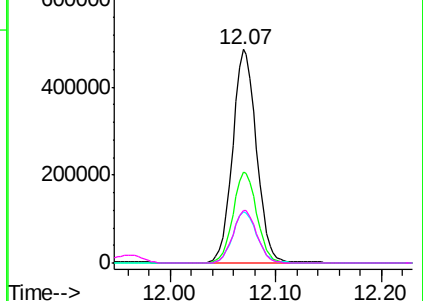


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 52.456 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN052594.D

Acq: 30 Nov 2018 9:29

Instrument :

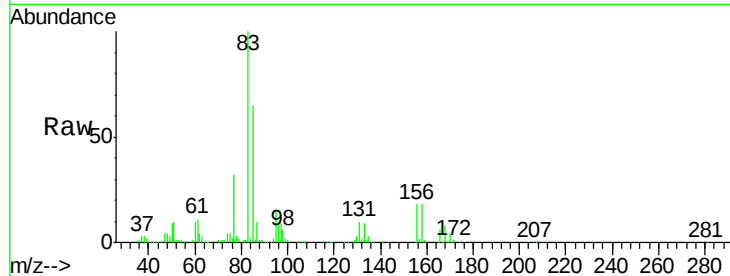
MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	612541
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.0	15.0
85	64.4	31.9	95.9

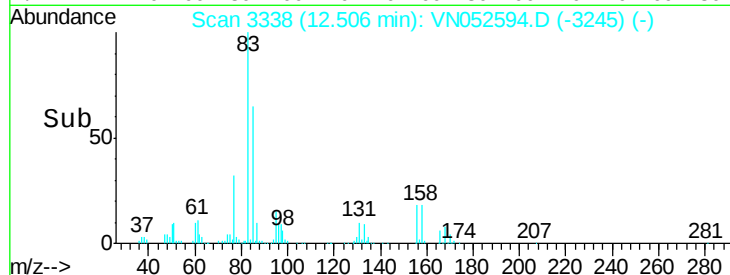
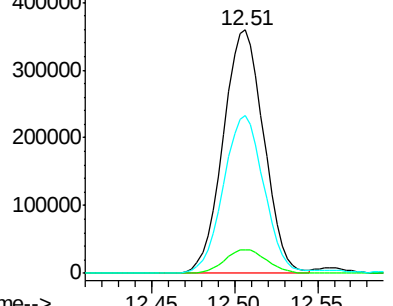
Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN052470.D (-3322) (-)

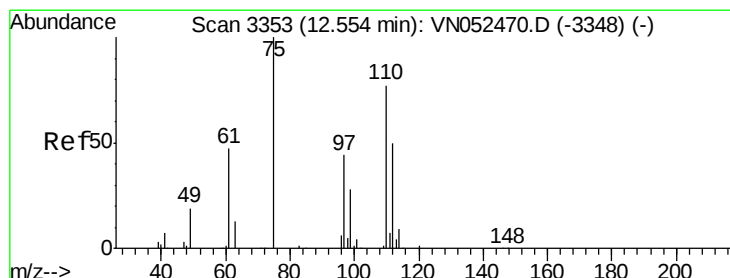
Ion 130.80 (130.50 to 131.50): VN052470.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN052470.D (-3322) (-)



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#76

1,2,3-Trichloropropane

Concen: 49.357 ug/l m

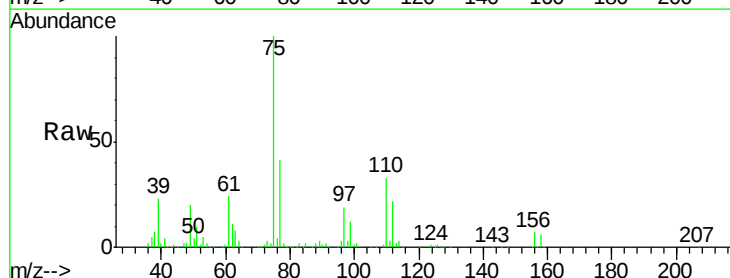
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN052594.D

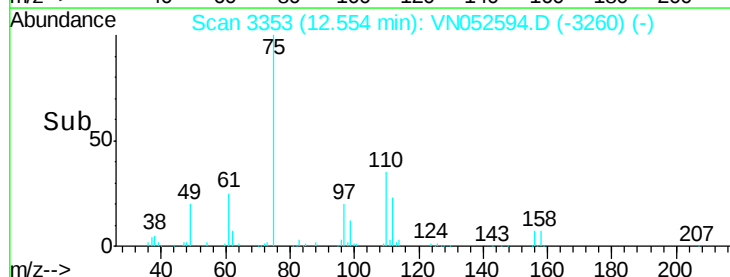
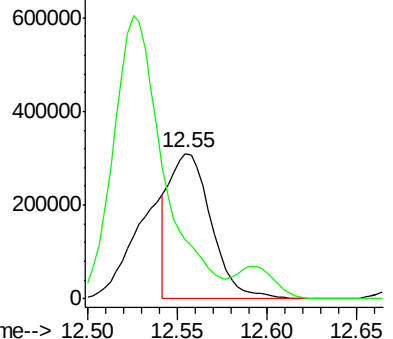
Acq: 30 Nov 2018 9:29

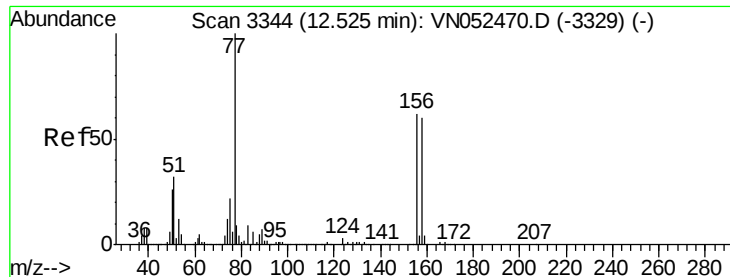
Tgt Ion:	75	Resp:	497990
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN052470.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN052470.D (-3348) (-)



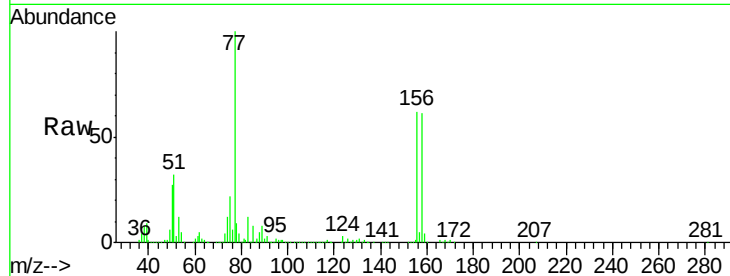


#77
Bromobenzene
Concen: 49.589 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN052594.D
Acq: 30 Nov 2018 9:29

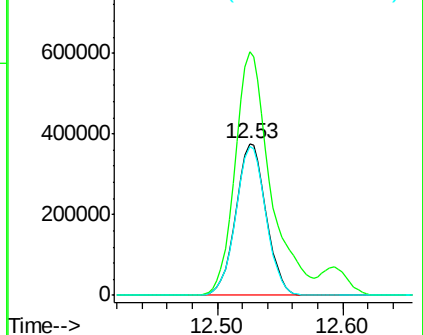
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
156	100		
77	188.0	93.5	280.4
158	97.8	48.3	144.9

Manual Integrations
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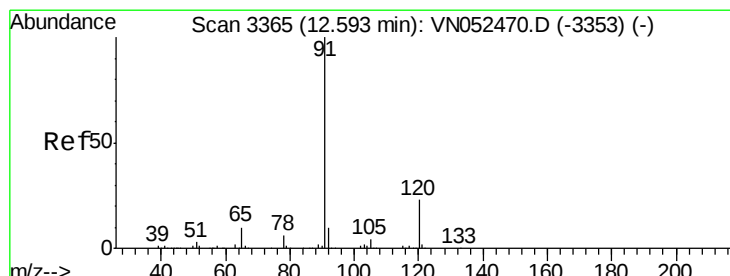
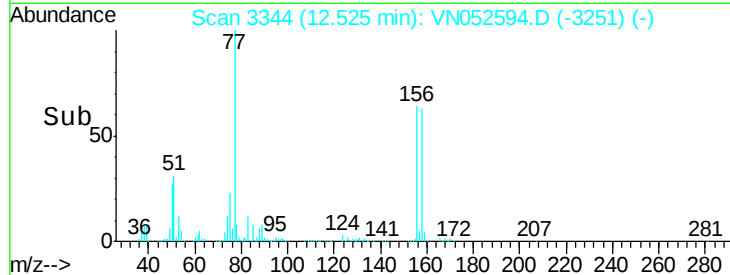


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V



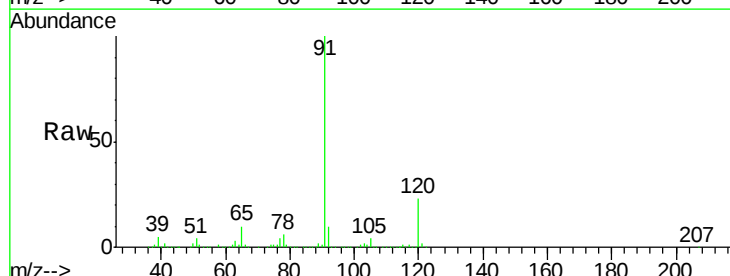
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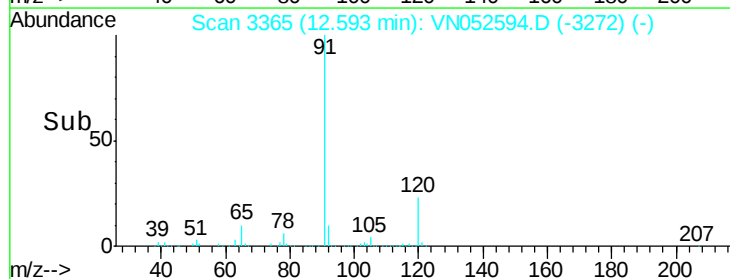
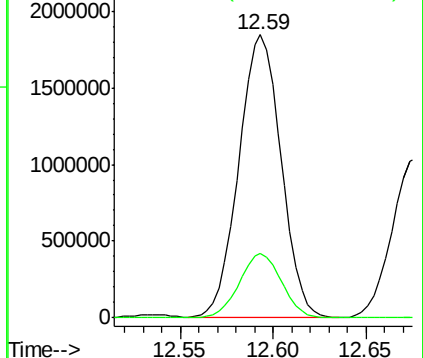


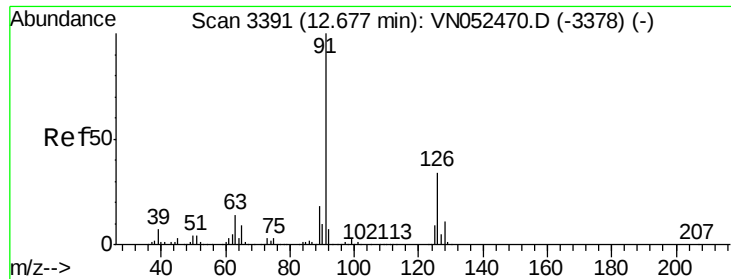
#78
n-propylbenzene
Concen: 50.139 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN052594.D
Acq: 30 Nov 2018 9:29

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.3	33.9



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V



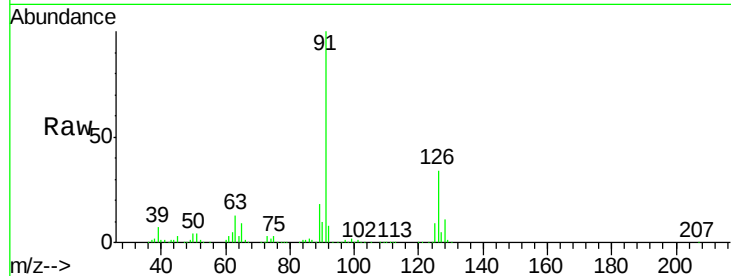


#79
2-Chlorotoluene
Concen: 48.900 ug/l
RT: 12.68 min Scan# 3391
Delta R.T. 0.00 min
Lab File: VN052594.D
Acq: 30 Nov 2018 9:29

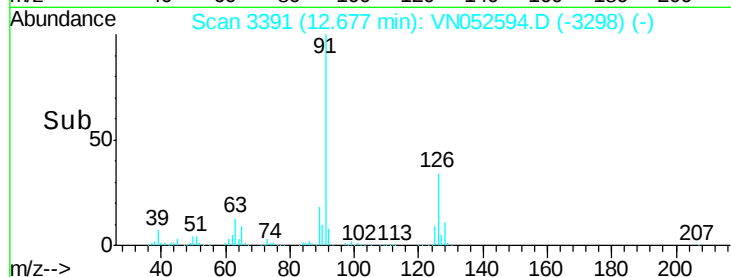
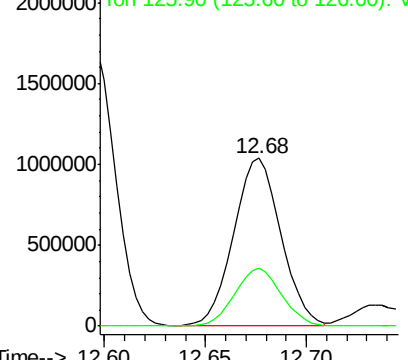
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion: 91 Resp: 1698194
Ion Ratio Lower Upper
91 100
126 34.4 17.2 51.6

Manual Integrations
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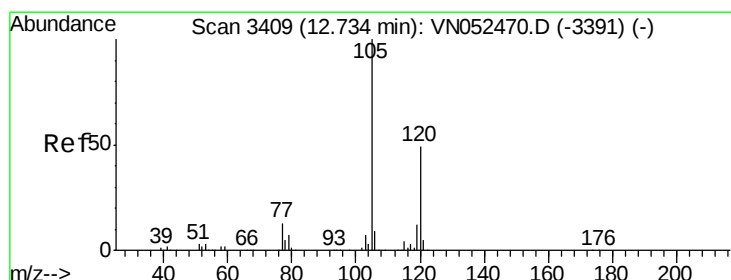


Abundance Ion 91.00 (90.70 to 91.70): VN052470.D (-3378) (-)
Ion 125.90 (125.60 to 126.60): VN052470.D (-3378) (-)



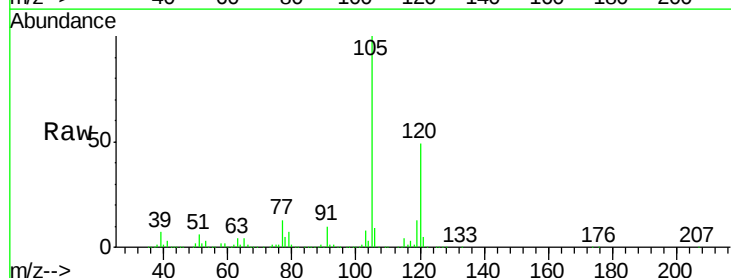
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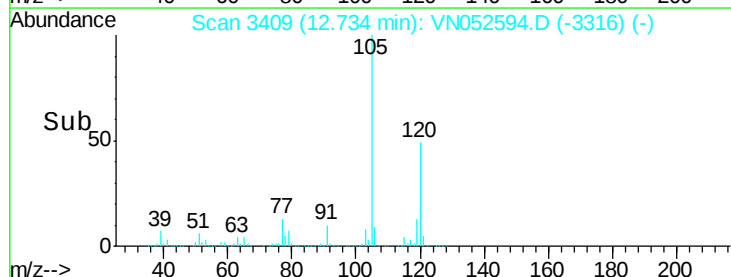
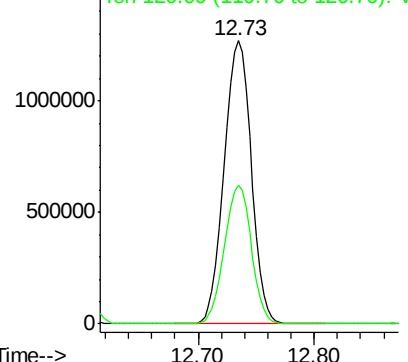


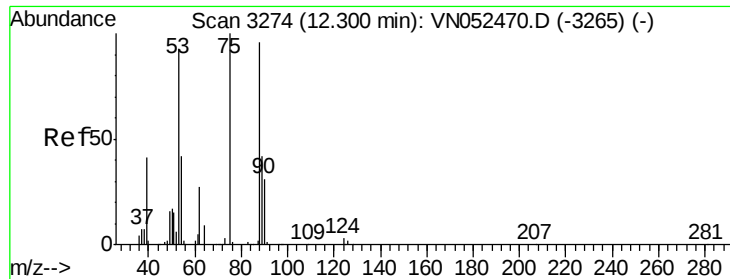
#80
1,3,5-Trimethylbenzene
Concen: 50.175 ug/l
RT: 12.73 min Scan# 3409
Delta R.T. 0.00 min
Lab File: VN052594.D
Acq: 30 Nov 2018 9:29

Tgt Ion: 105 Resp: 2054180
Ion Ratio Lower Upper
105 100
120 48.7 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VN052470.D (-3391) (-)
Ion 120.00 (119.70 to 120.70): VN052470.D (-3391) (-)



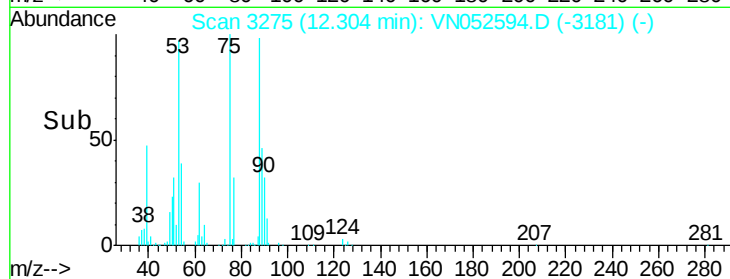
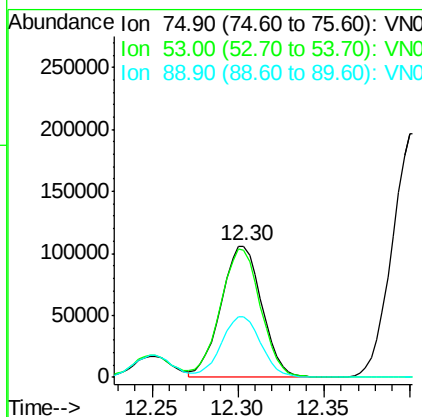
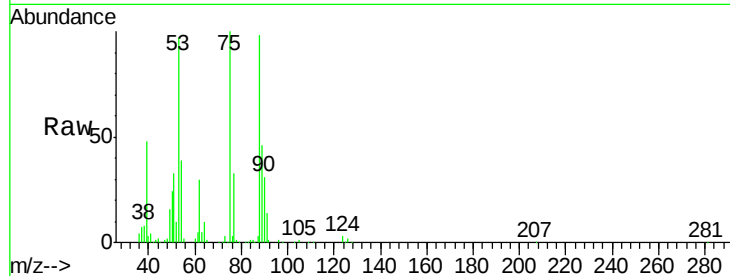


#81
trans-1,4-Dichloro-2-butene
Concen: 57.287 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN052594.D
Acq: 30 Nov 2018 9:29

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

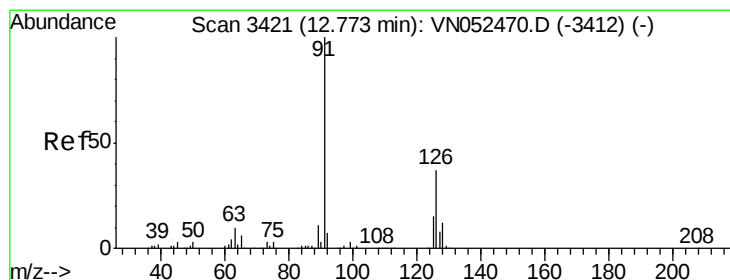
Tgt Ion	Ratio	Lower	Upper
75	100		
53	97.5	77.4	116.0
89	45.3	35.4	53.2

Manual Integrations
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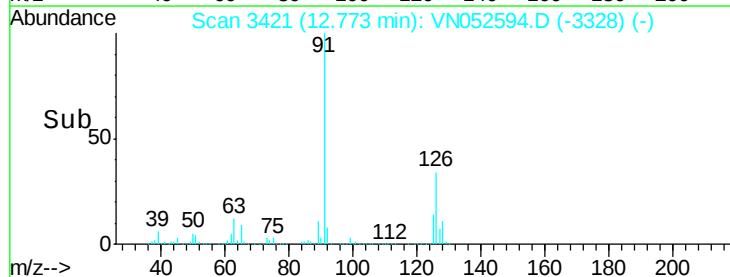
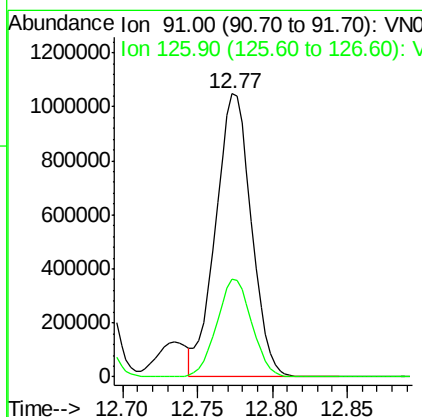
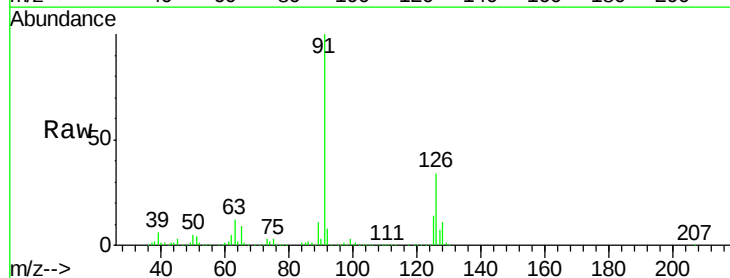
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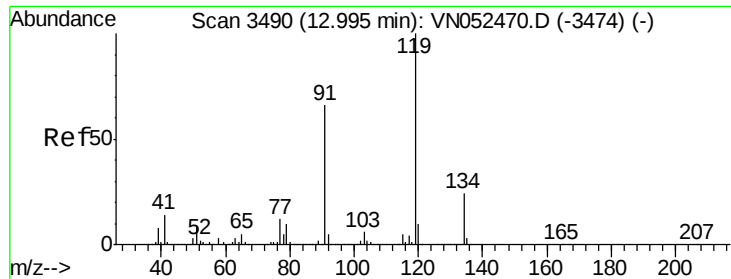
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#82
4-Chlorotoluene
Concen: 49.664 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN052594.D
Acq: 30 Nov 2018 9:29

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.9	16.9	50.6



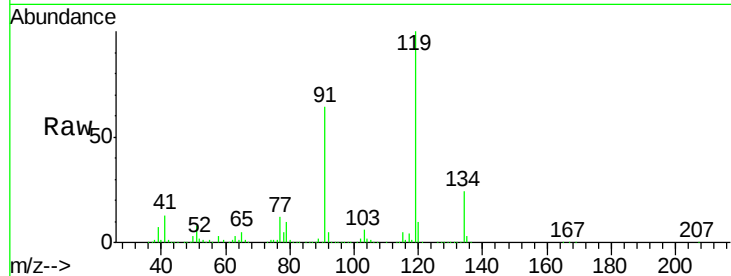


#83
 tert-Butylbenzene
 Concen: 49.398 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052594.D
 Acq: 30 Nov 2018 9:29

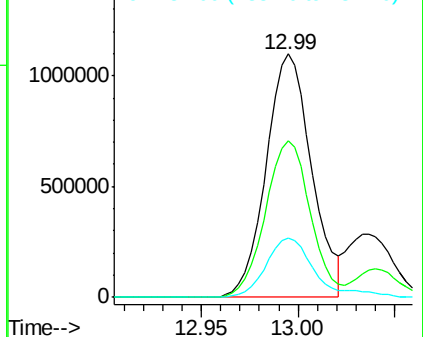
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
119	100		
91	63.7	32.3	96.9
134	26.1	13.0	38.9

Manual Integrations
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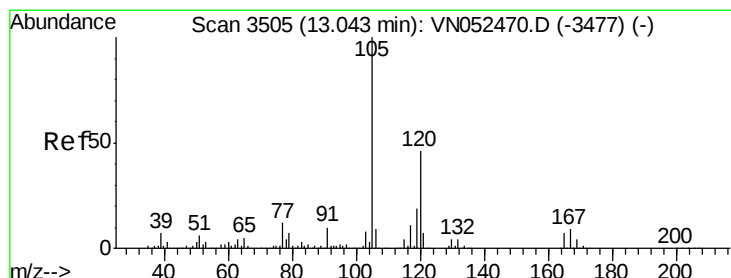
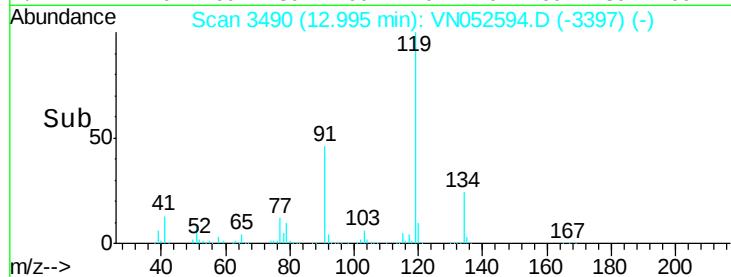


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V



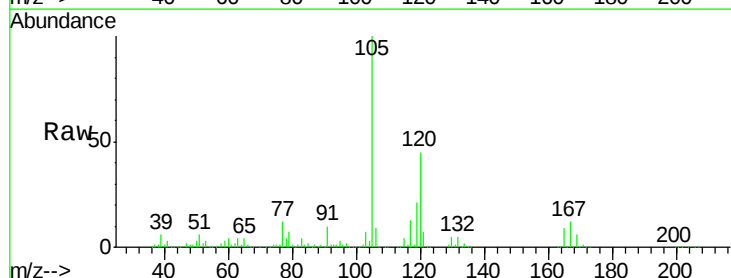
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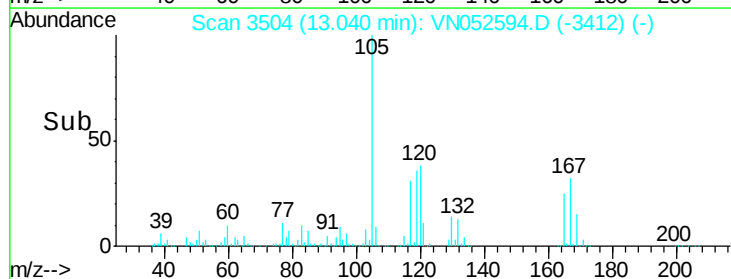
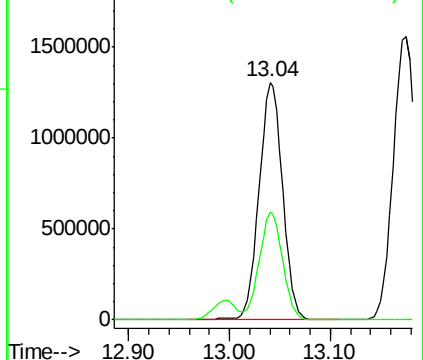


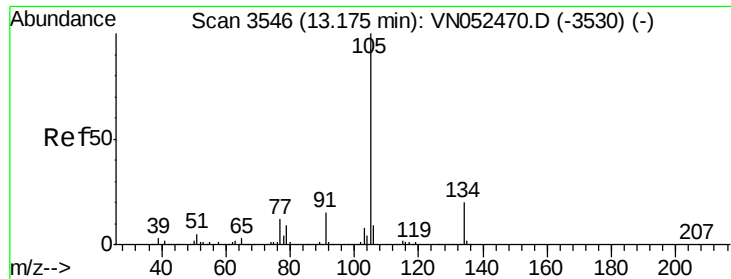
#84
 1,2,4-Trimethylbenzene
 Concen: 51.291 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052594.D
 Acq: 30 Nov 2018 9:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.8	68.4



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V



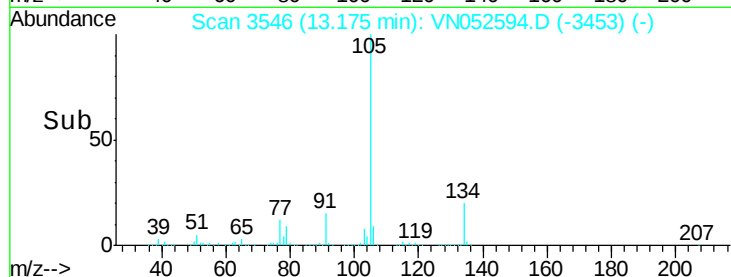
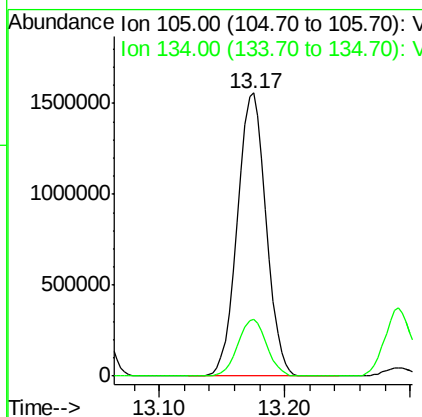
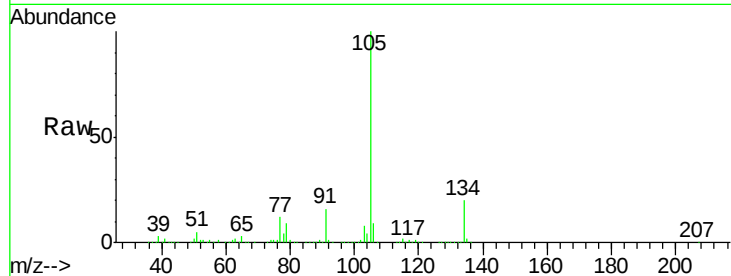


#85
 sec-Butylbenzene
 Concen: 49.814 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN052594.D
 Acq: 30 Nov 2018 9:29

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

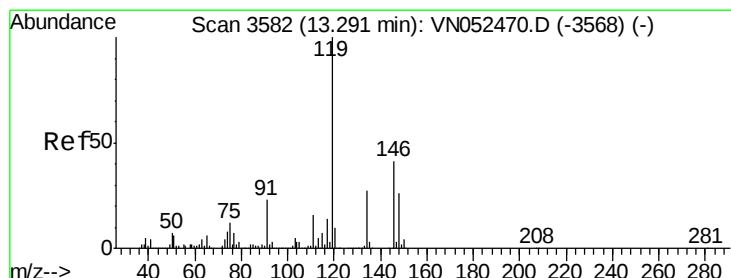
Tgt Ion:105 Resp: 2476332
 Ion Ratio Lower Upper
 105 100
 134 19.9 9.9 29.7

Manual Integrations
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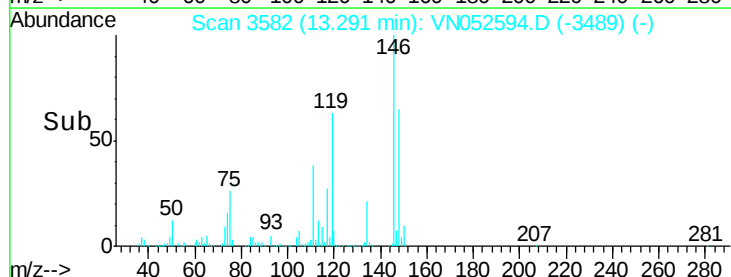
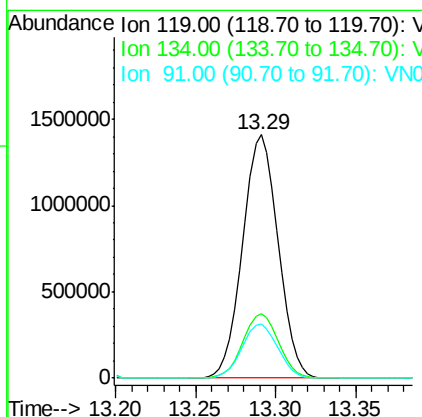
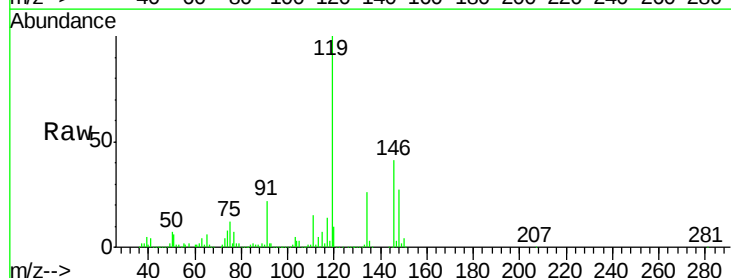
MMDadoda

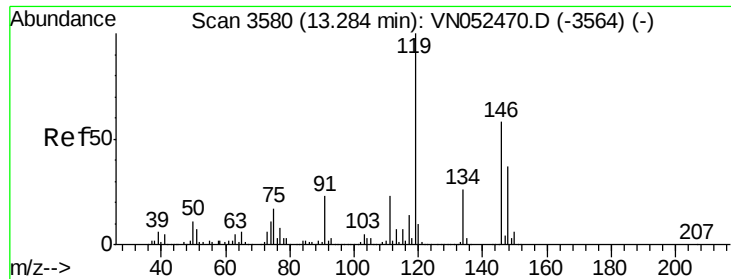
12/3/2018 10:49:19 AM



#86
 p-Isopropyltoluene
 Concen: 50.295 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052594.D
 Acq: 30 Nov 2018 9:29

Tgt Ion:119 Resp: 2129527
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.4 40.2
 91 22.4 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 50.111 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN052594.D

Acq: 30 Nov 2018 9:29

Instrument :

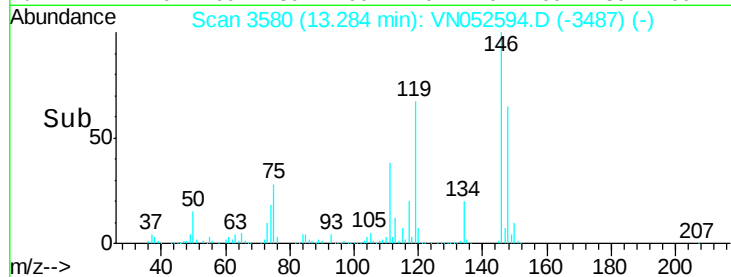
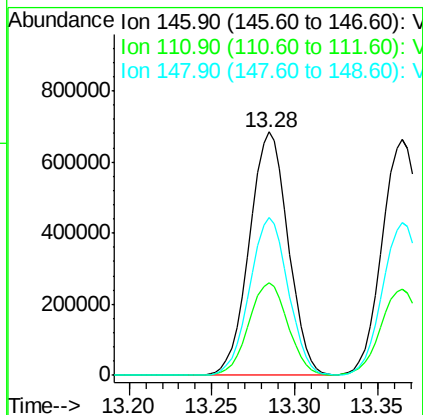
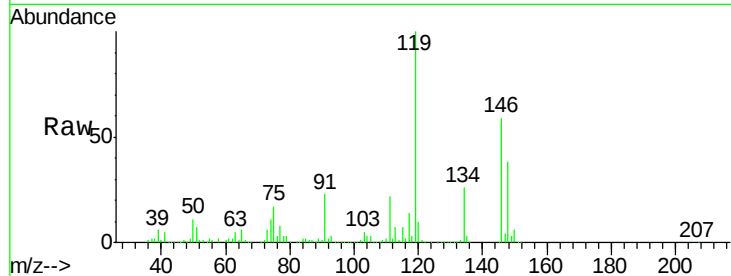
MSVOA_N

ClientSampled :

VSTDCCC050

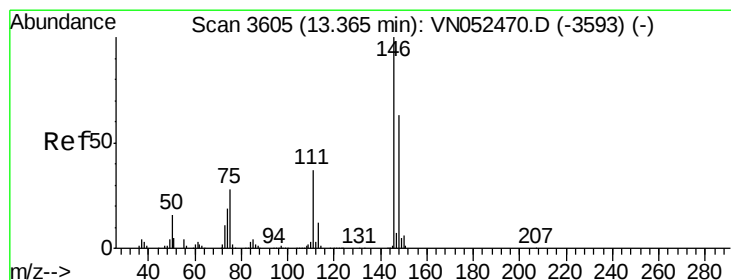
Tgt Ion:	146	Resp:	1112183
Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.4	58.4
148	64.7	31.8	95.4

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 50.409 ug/l

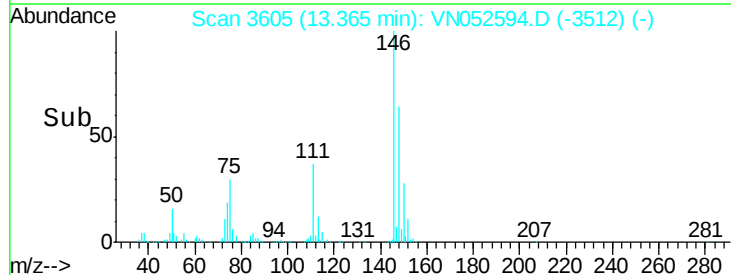
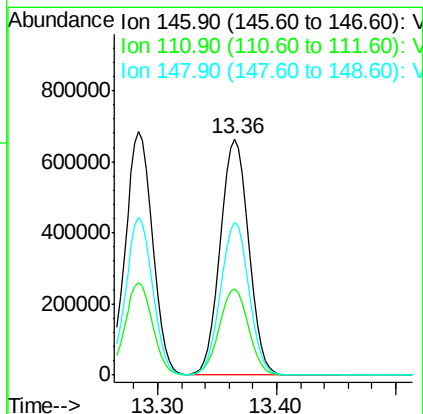
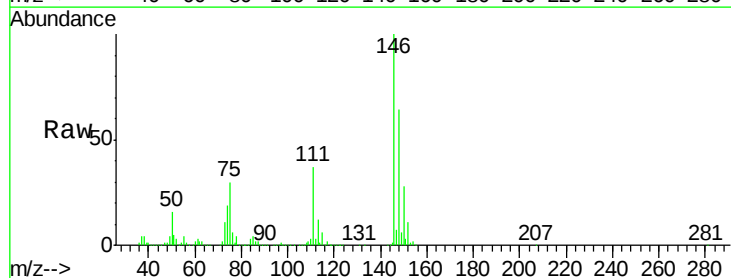
RT: 13.36 min Scan# 3605

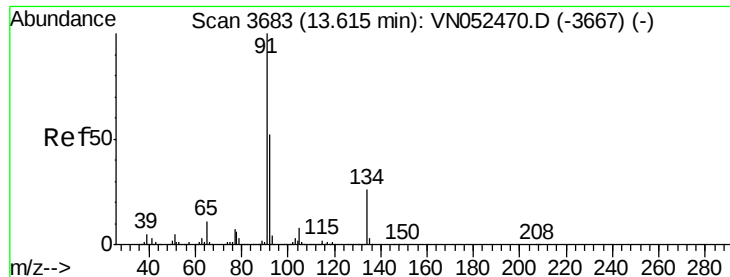
Delta R.T. 0.00 min

Lab File: VN052594.D

Acq: 30 Nov 2018 9:29

Tgt Ion:	146	Resp:	1101999
Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.6	56.0
148	64.4	31.9	95.9



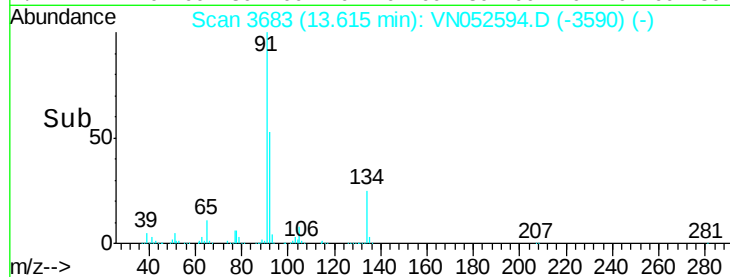
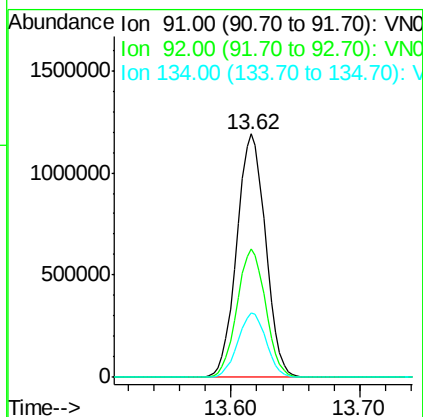
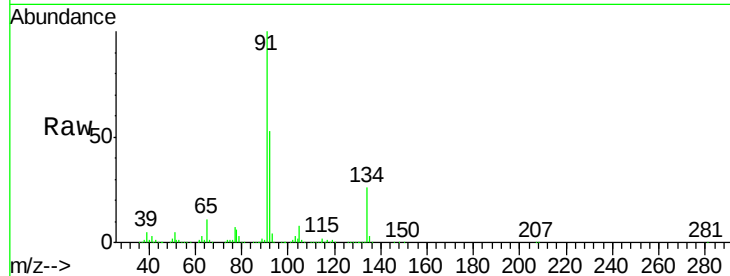


#89
n-Butylbenzene
Concen: 52.335 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052594.D
Acq: 30 Nov 2018 9:29

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

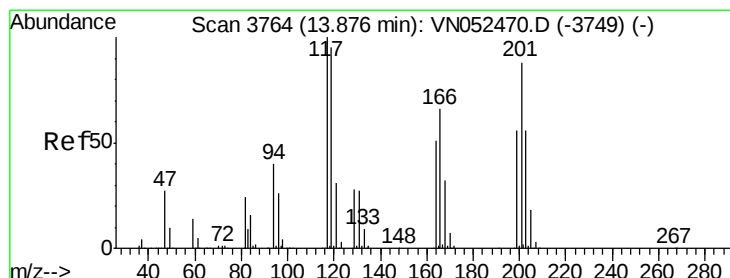
Tgt Ion: 91 Resp: 1842861
Ion Ratio Lower Upper
91 100
92 52.3 26.1 78.3
134 26.1 13.0 38.9

Manual Integrations
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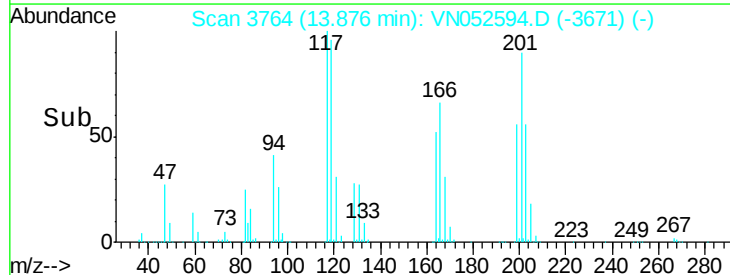
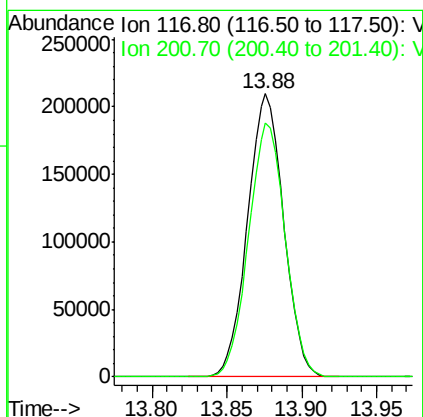
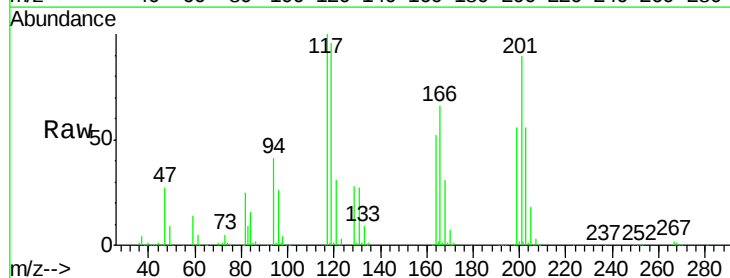
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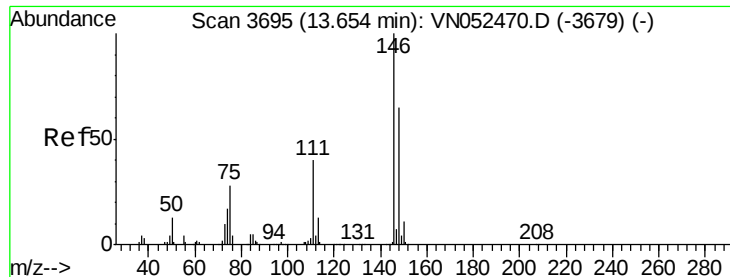
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#90
Hexachloroethane
Concen: 49.074 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN052594.D
Acq: 30 Nov 2018 9:29

Tgt Ion: 117 Resp: 351824
Ion Ratio Lower Upper
117 100
201 91.0 43.6 130.9





#91

1,2-Dichlorobenzene

Concen: 51.277 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN052594.D

Acq: 30 Nov 2018 9:29

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tgt Ion: 146 Resp: 1087286

Ion Ratio Lower Upper

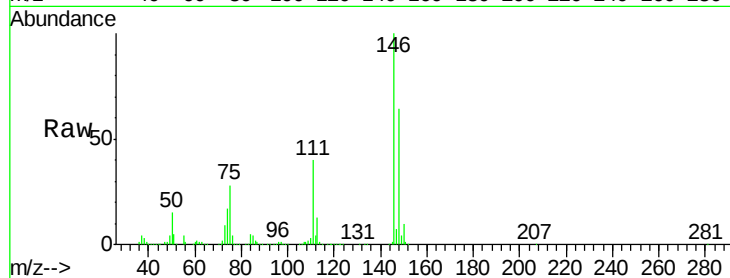
146 100

111 39.5 20.0 60.0

148 64.5 32.0 96.2

Manual Integrations

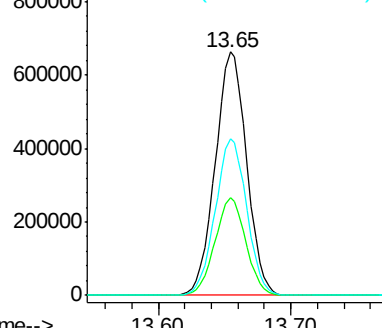
APPROVED



Abundance Ion 145.90 (145.60 to 146.60): V

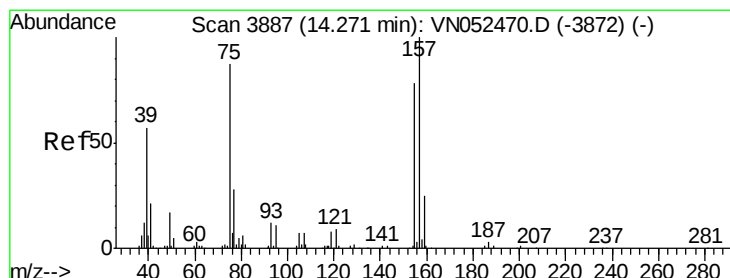
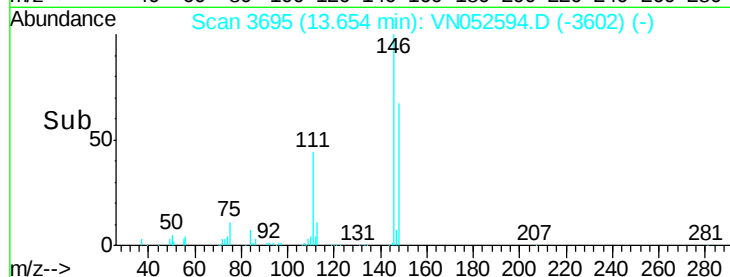
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



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#92

1,2-Dibromo-3-Chloropropane

Concen: 58.416 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN052594.D

Acq: 30 Nov 2018 9:29

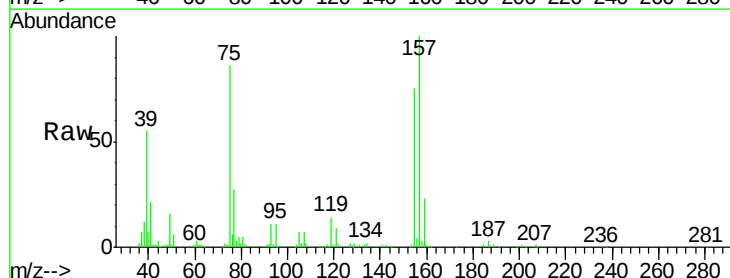
Tgt Ion: 75 Resp: 97560

Ion Ratio Lower Upper

75 100

155 92.0 45.3 135.9

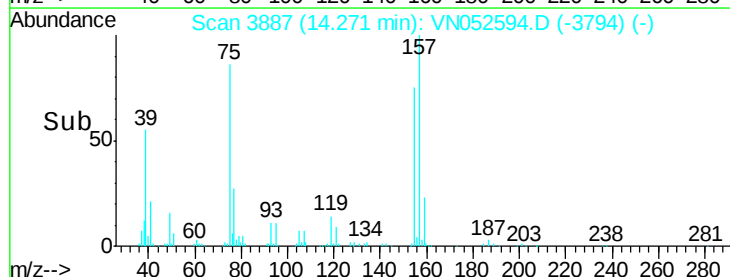
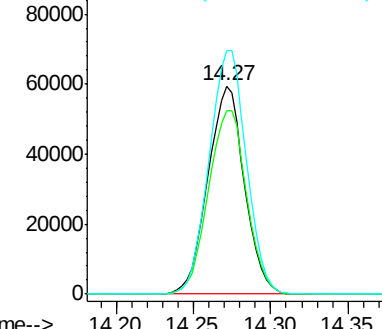
157 119.3 58.1 174.2

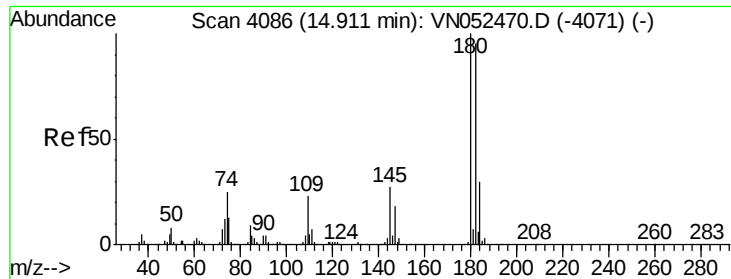


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



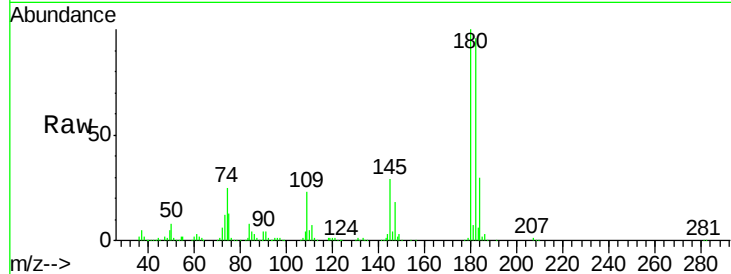


#93
1,2,4-Trichlorobenzene
Concen: 51.058 ug/l
RT: 14.91 min Scan# 4086
Delta R.T. 0.00 min
Lab File: VN052594.D
Acq: 30 Nov 2018 9:29

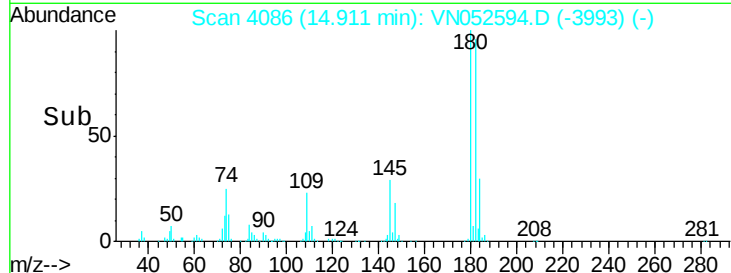
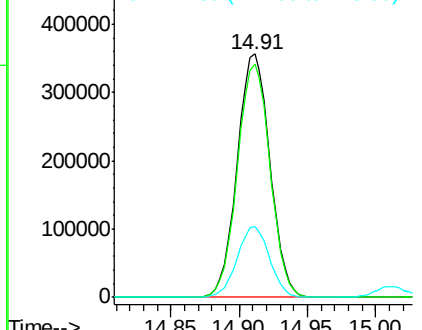
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.6	47.8	143.4
145	28.8	14.1	42.3

Manual Integrations
APPROVED

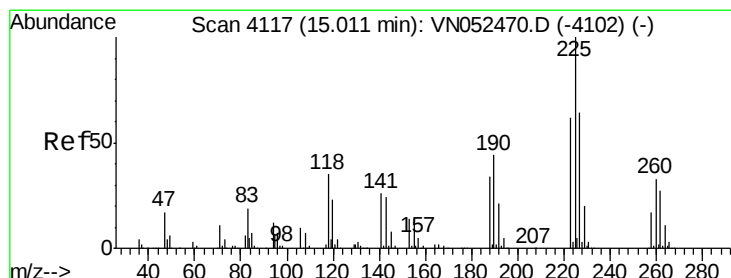


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



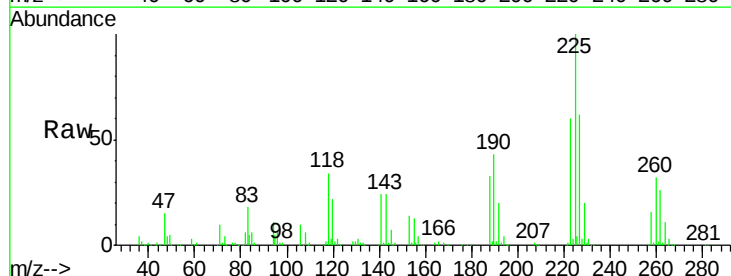
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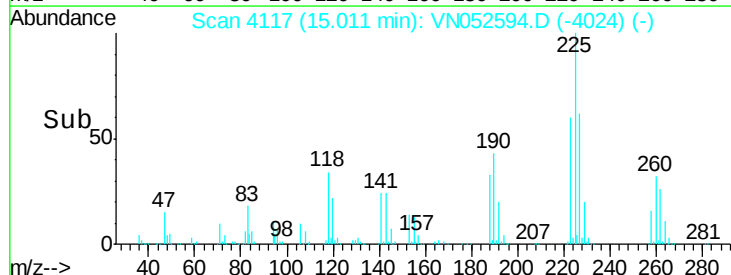
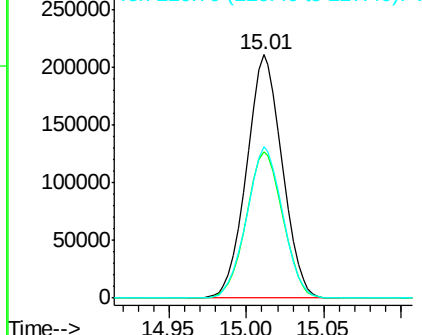


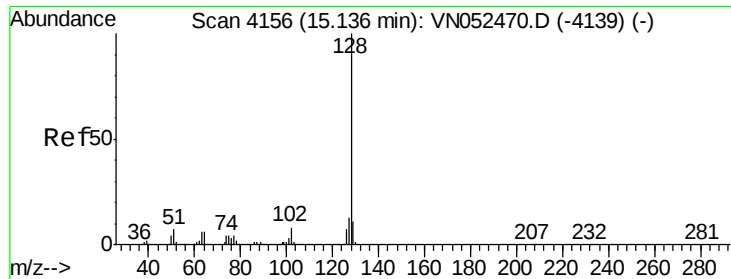
#94
Hexachlorobutadiene
Concen: 49.576 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. 0.00 min
Lab File: VN052594.D
Acq: 30 Nov 2018 9:29

Tgt Ion	Ratio	Resp Lower	Resp Upper
225	100		
223	62.0	31.4	94.2
227	62.9	32.5	97.4



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



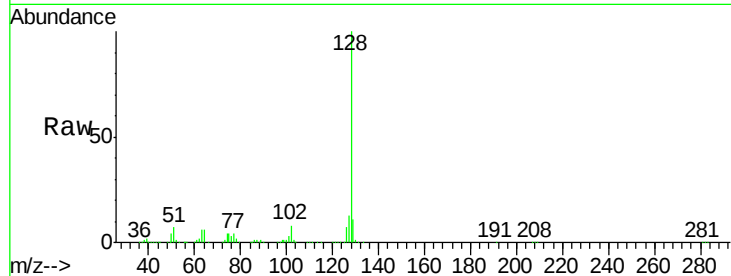


#95
Naphthalene
Concen: 54.136 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052594.D
Acq: 30 Nov 2018 9:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.8	8.7	13.1

Manual Integrations
APPROVED

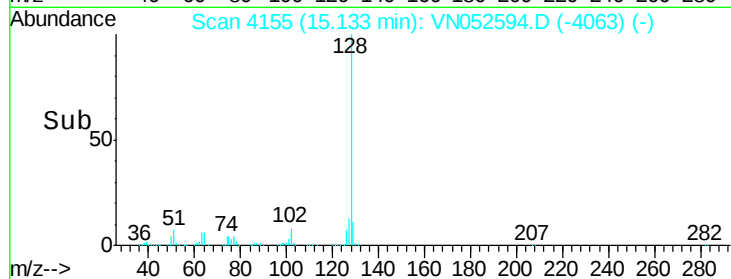
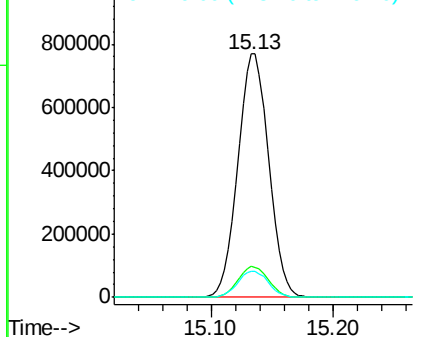


Abundance

Ion 128.00 (127.70 to 128.70): V

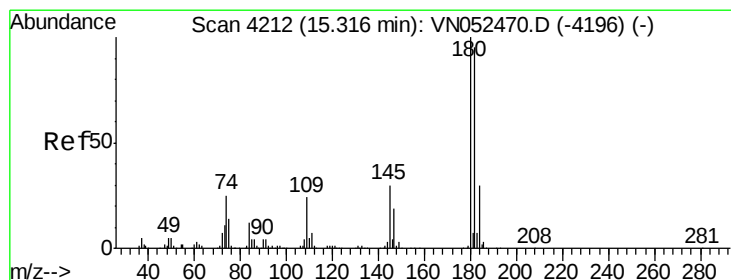
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



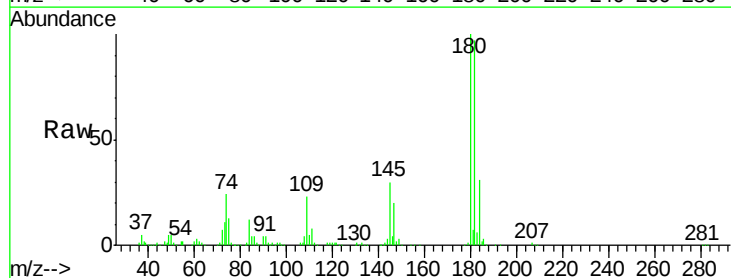
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#96
1,2,3-Trichlorobenzene
Concen: 51.555 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052594.D
Acq: 30 Nov 2018 9:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.8	143.3
145	30.5	15.2	45.5



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

