

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020619\
 Data File : VN053644.D
 Acq On : 6 Feb 2019 19:24
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/7/2019 11:04:34 AM

Quant Time: Feb 07 06:10:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	674205	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1095219	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	963393	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	467236	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	376979	55.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.48%	
35) Dibromofluoromethane	7.59	113	359346	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	
50) Toluene-d8	10.09	98	1325507	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
62) 4-Bromofluorobenzene	12.40	95	444388	51.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	363846	47.884	ug/l	99
3) Chloromethane	2.06	50	408074	50.983	ug/l	98
4) Vinyl Chloride	2.19	62	394082	50.719	ug/l	100
5) Bromomethane	2.57	94	256874	50.562	ug/l	96
6) Chloroethane	2.71	64	225626	50.815	ug/l	99
7) Trichlorofluoromethane	3.02	101	526921	50.008	ug/l	98
8) Diethyl Ether	3.41	74	201078	52.255	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	320231	49.142	ug/l	98
10) Methyl Iodide	3.96	142	522666	51.102	ug/l	100
11) Tert butyl alcohol	4.78	59	114843	286.903	ug/l	98
12) 1,1-Dichloroethene	3.74	96	318375	50.995	ug/l	99
13) Acrolein	3.61	56	79052	362.727	ug/l	99
14) Allyl chloride	4.33	41	483721	48.661	ug/l	95
15) Acrylonitrile	4.99	53	605833	280.356	ug/l	100
16) Acetone	3.82	43	415645	239.582	ug/l	100
17) Carbon Disulfide	4.06	76	901672	46.382	ug/l	100
18) Methyl Acetate	4.32	43	286439	55.750	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	872655	55.137	ug/l	99
20) Methylene Chloride	4.55	84	365941	50.277	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	336282	49.926	ug/l	97
22) Diisopropyl ether	5.95	45	997382	54.149	ug/l	99
23) Vinyl Acetate	5.90	43	3543572	278.098	ug/l	99
24) 1,1-Dichloroethane	5.85	63	633437	51.560	ug/l	99
25) 2-Butanone	6.83	43	659284	266.451	ug/l	99
26) 2,2-Dichloropropane	6.83	77	457766	48.811	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	387308	51.711	ug/l	99
28) Bromochloromethane	7.20	49	274582	51.503	ug/l	96
29) Tetrahydrofuran	7.21	42	441755	278.038	ug/l	98
30) Chloroform	7.37	83	623863	51.226	ug/l	99
31) Cyclohexane	7.65	56	555041	48.520	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	529013	52.196	ug/l	99
36) 1,1-Dichloropropene	7.79	75	473405	47.951	ug/l	99
37) Ethyl Acetate	6.93	43	296224	53.723	ug/l	99
38) Carbon Tetrachloride	7.77	117	459544	46.205	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	554018	47.300	ug/l	99
40) Benzene	8.04	78	1459469	47.938	ug/l	98
41) Methacrylonitrile	7.18	41	156919	50.919	ug/l	93
42) 1,2-Dichloroethane	8.12	62	431524	47.736	ug/l	99
43) Isopropyl Acetate	8.16	43	530178	49.788	ug/l	98
44) Trichloroethene	8.84	130	402097	46.391	ug/l	98
45) 1,2-Dichloropropane	9.12	63	383142	49.203	ug/l	98
46) Dibromomethane	9.21	93	226953	48.348	ug/l	98
47) Bromodichloromethane	9.40	83	479447	49.124	ug/l	99
48) Methyl methacrylate	9.20	41	250823	49.345	ug/l	94
49) 1,4-Dioxane	9.20	88	75149	1019.515	ug/l #	91
51) 4-Methyl-2-Pentanone	9.99	43	1367639	261.361	ug/l	99
52) Toluene	10.16	92	878056	48.595	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	492533	50.396	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	568578	49.095	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	328435	50.443	ug/l	99
56) Ethyl methacrylate	10.43	69	406246	52.742	ug/l	99
57) 1,3-Dichloropropane	10.71	76	546129	49.079	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1051936	221.168	ug/l	99
59) 2-Hexanone	10.75	43	885820	249.360	ug/l	99
60) Dibromochloromethane	10.90	129	370730	50.493	ug/l	99
61) 1,2-Dibromoethane	11.01	107	315216	48.914	ug/l	99
64) Tetrachloroethene	10.63	164	379003	45.893	ug/l	99
65) Chlorobenzene	11.44	112	977698	47.778	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	357426	50.013	ug/l	99
67) Ethyl Benzene	11.51	91	1618510	48.148	ug/l	99
68) m/p-Xylenes	11.62	106	1259224	98.149	ug/l	100
69) o-Xylene	11.95	106	619775	50.003	ug/l	98
70) Styrene	11.96	104	1006893	50.120	ug/l	99
71) Bromoform	12.13	173	257815	52.620	ug/l #	99
73) Isopropylbenzene	12.25	105	1593750	48.522	ug/l	100
74) N-amyl acetate	12.07	43	422482	53.490	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	385611	49.054	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	320414m	53.390	ug/l	
77) Bromobenzene	12.53	156	427151	48.253	ug/l	98
78) n-propylbenzene	12.59	91	1846470	48.629	ug/l	100
79) 2-Chlorotoluene	12.68	91	1094665	48.593	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1378375	50.606	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	107335	50.292	ug/l	99
82) 4-Chlorotoluene	12.77	91	1103818	47.751	ug/l	100
83) tert-Butylbenzene	12.99	119	1212084	50.350	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1408035	50.740	ug/l	100
85) sec-Butylbenzene	13.17	105	1629041	49.728	ug/l	99
86) p-Isopropyltoluene	13.29	119	1430504	49.930	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	752739	47.303	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	745733	47.374	ug/l	99
89) n-Butylbenzene	13.62	91	1217128	49.080	ug/l	100
90) Hexachloroethane	13.88	117	238512	50.470	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	738776	48.494	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	57026	50.902	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	429972	49.210	ug/l	99
94) Hexachlorobutadiene	15.01	225	254630	46.795	ug/l	99
95) Naphthalene	15.13	128	953064	46.558	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	399666	49.297	ug/l	99

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

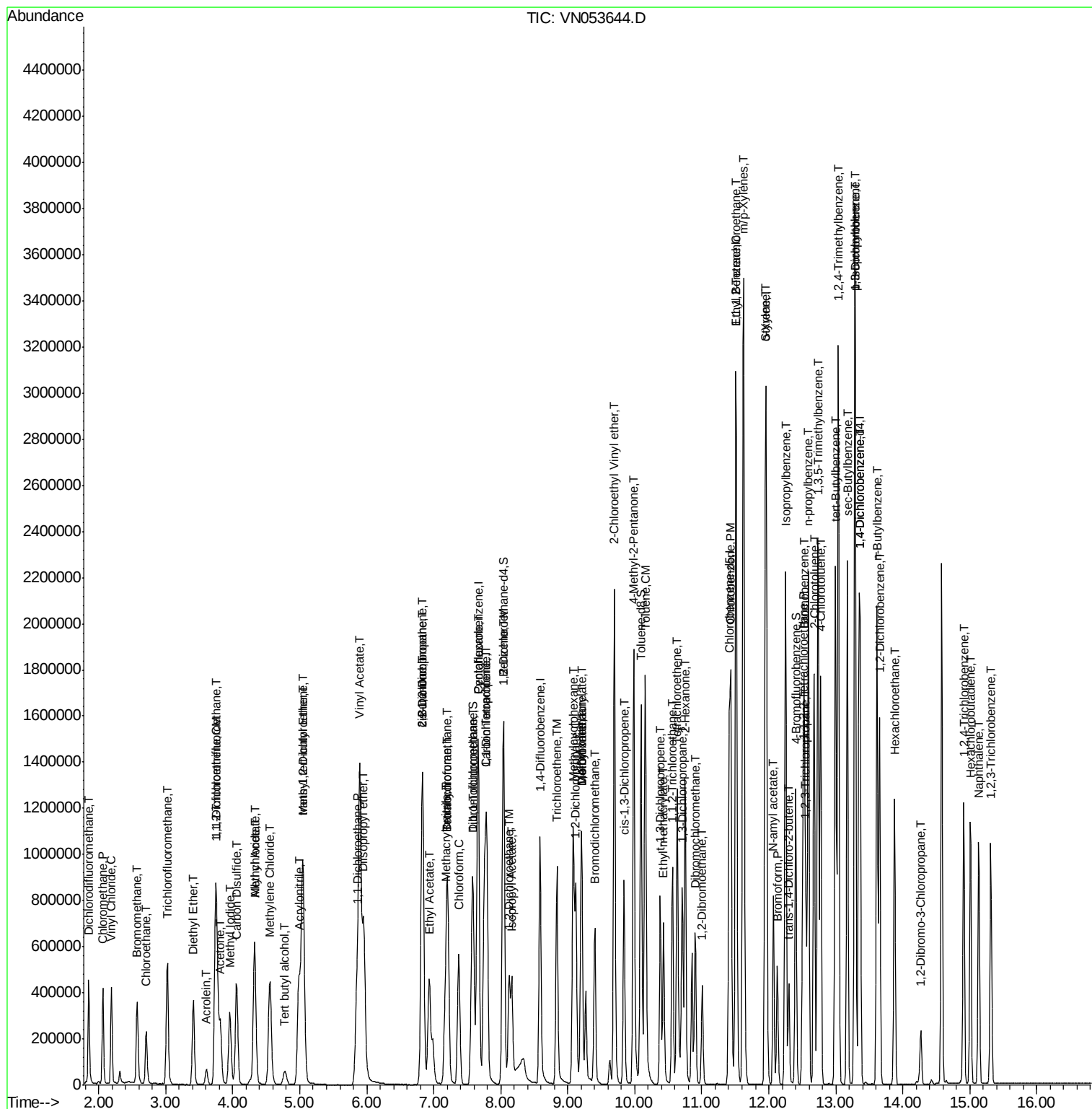
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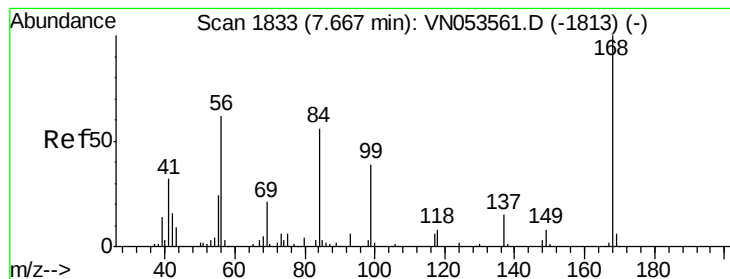
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 674205

Ion Ratio Lower Upper

168 100

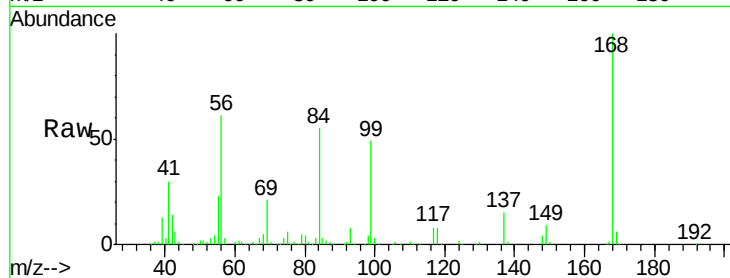
99 46.9 39.1 58.7

Manual Integrations

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2/7/2019 11:04:34 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

300000

250000

200000

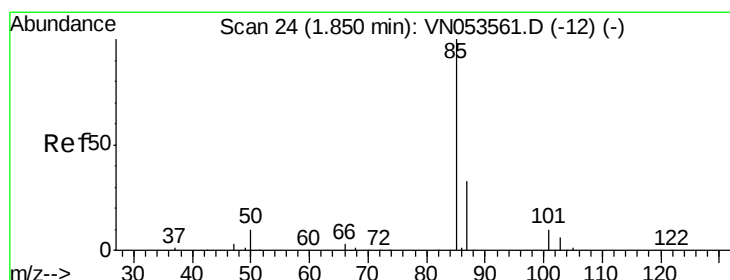
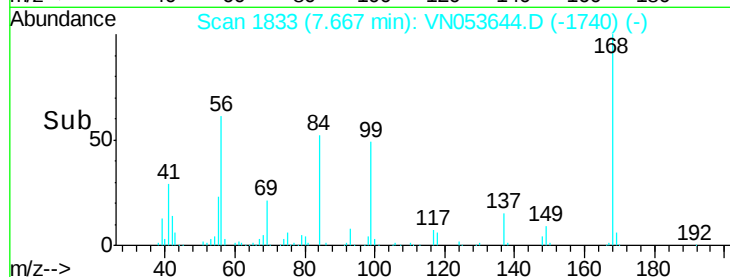
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.884 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053644.D

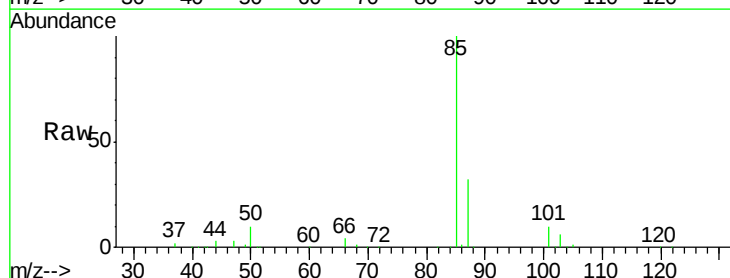
Acq: 6 Feb 2019 19:24

Tgt Ion: 85 Resp: 363846

Ion Ratio Lower Upper

85 100

87 31.7 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

300000

250000

200000

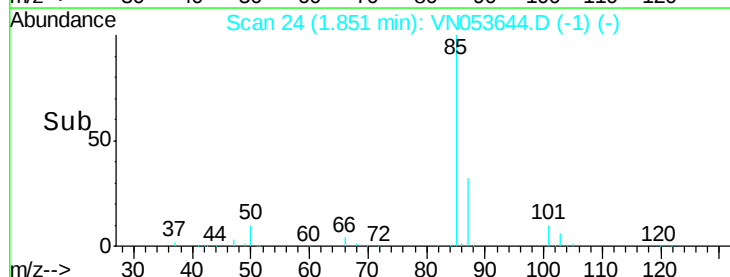
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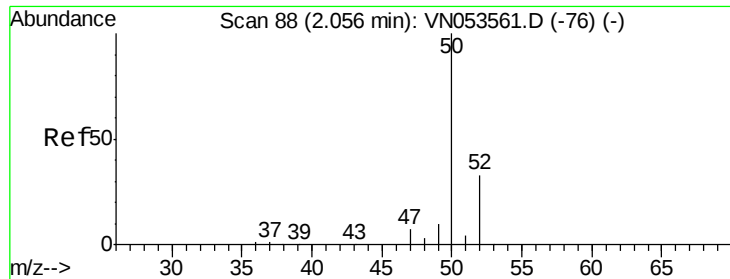
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50000

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Time-->





#3

Chloromethane

Concen: 50.983 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.01 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 408074

Ion Ratio Lower Upper

50 100

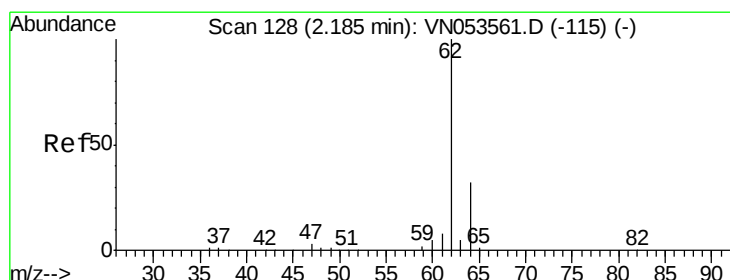
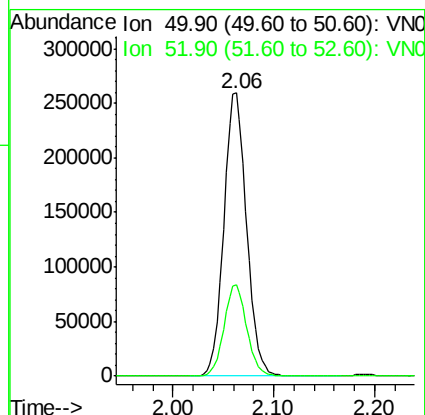
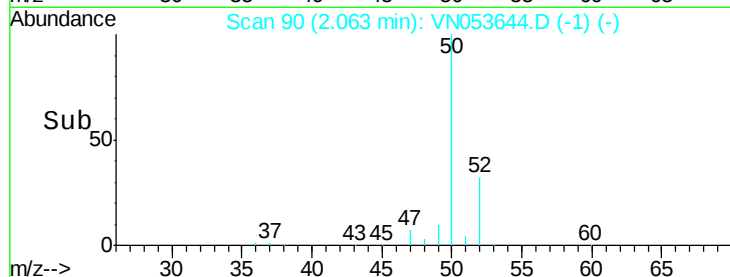
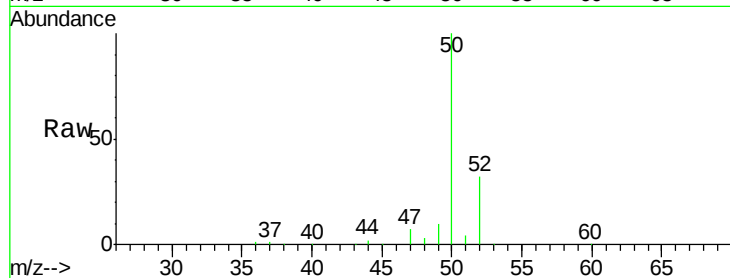
52 32.2 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.719 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053644.D

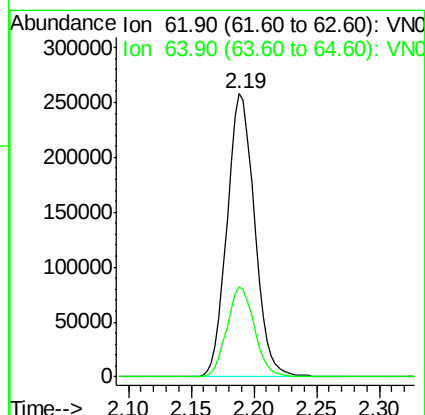
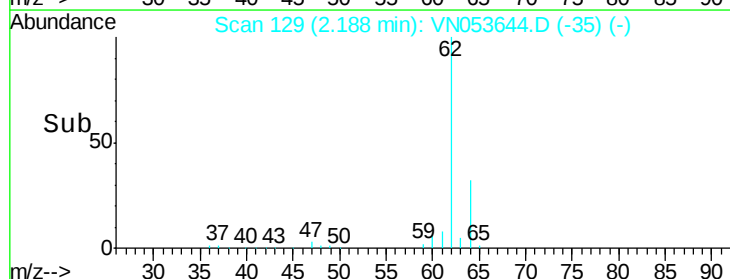
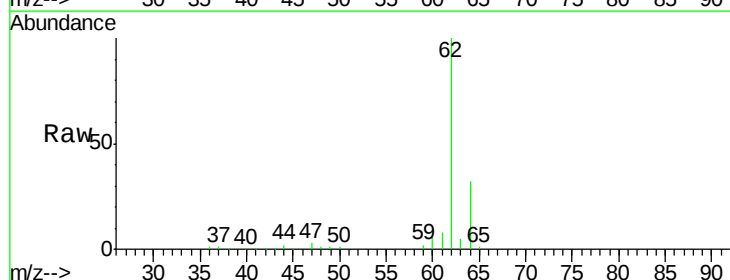
Acq: 6 Feb 2019 19:24

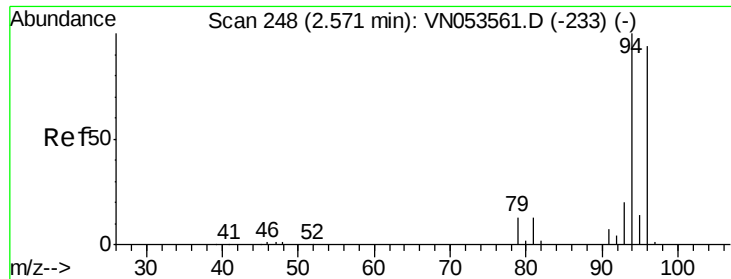
Tgt Ion: 62 Resp: 394082

Ion Ratio Lower Upper

62 100

64 31.9 25.4 38.2





#5

Bromomethane

Concen: 50.562 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

Instrument :

MSVOA_N

ClientSampleId :

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Tot Ion: 94 Resp: 256874

Ion Ratio Lower Upper

94 100

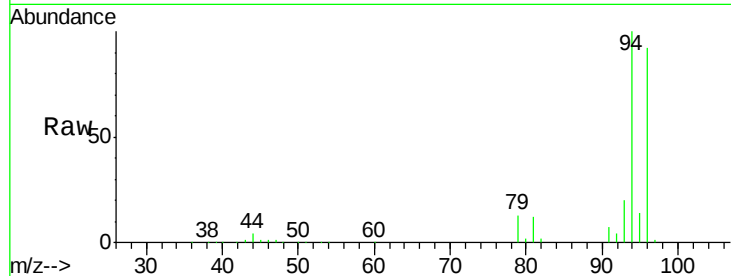
96 92.1 76.8 115.2

Manual Integrations

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2/7/2019 11:04:34 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

150000

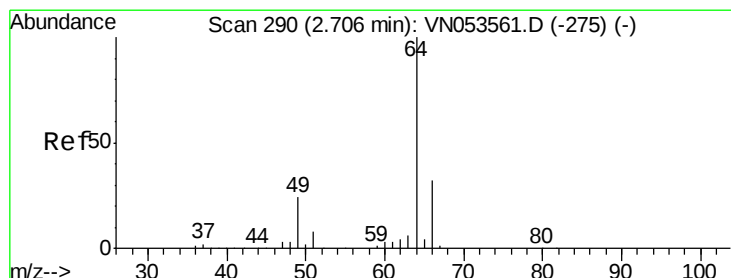
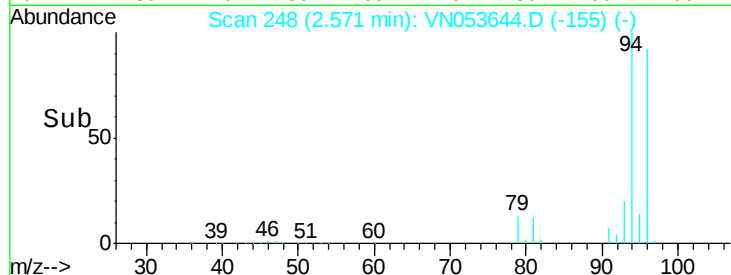
2.57

100000

50000

0

Time-->



#6

Chloroethane

Concen: 50.815 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053644.D

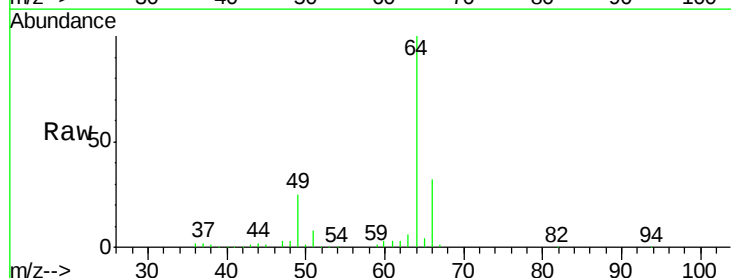
Acq: 6 Feb 2019 19:24

Tgt Ion: 64 Resp: 225626

Ion Ratio Lower Upper

64 100

66 31.8 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

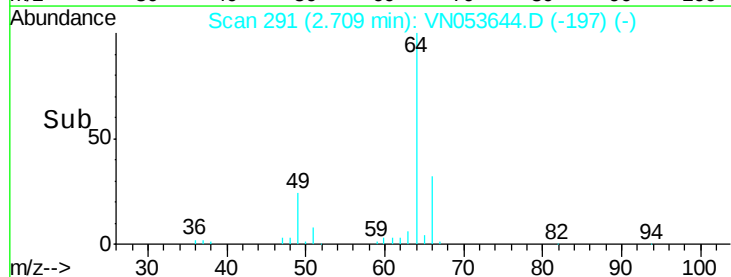
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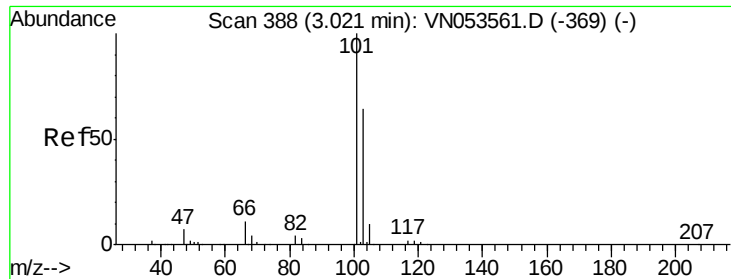
2.71

50000

0

Time-->





#7

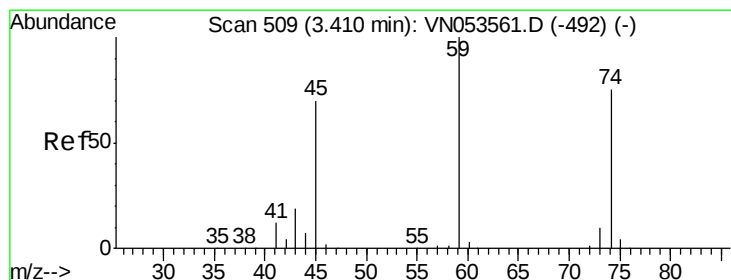
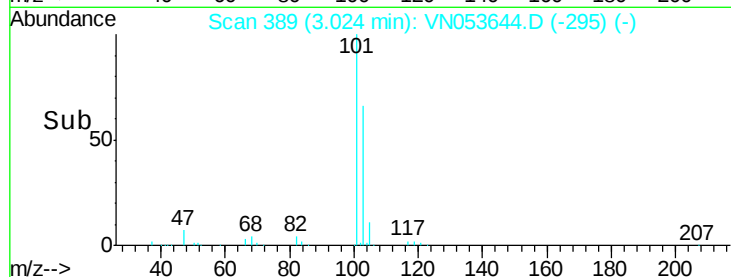
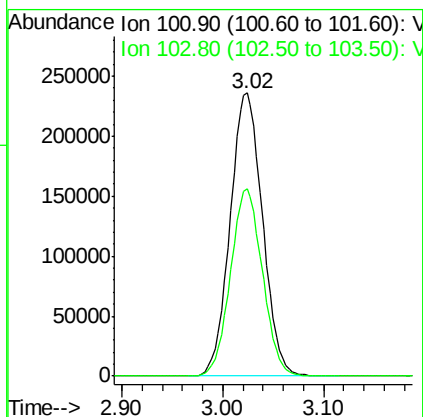
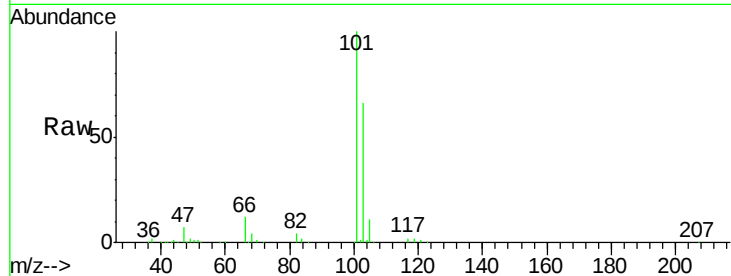
Trichlorofluoromethane
Concen: 50.008 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN053644.D
Acq: 6 Feb 2019 19:24

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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	51.6	77.4

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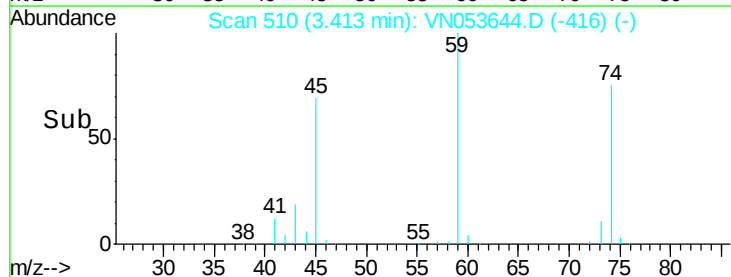
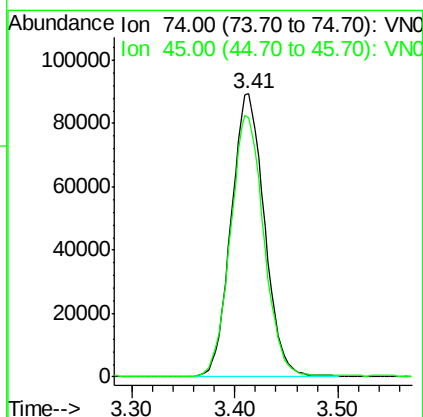
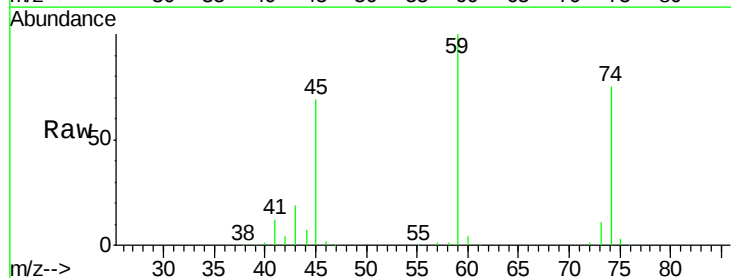
MMDadoda
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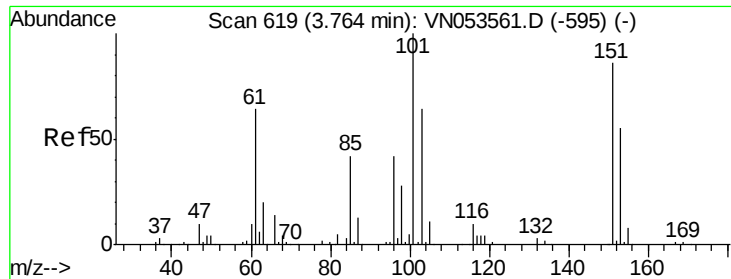


#8

Diethyl Ether
Concen: 52.255 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN053644.D
Acq: 6 Feb 2019 19:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.8	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.142 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

Instrument :

MSVOA_N

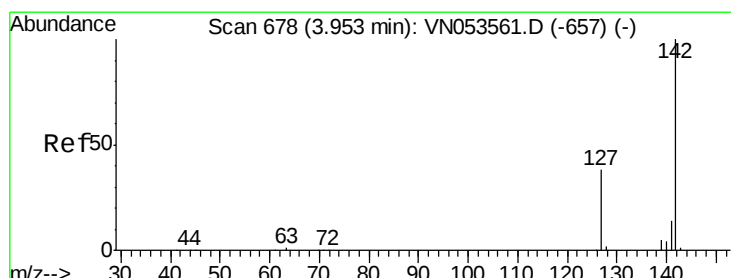
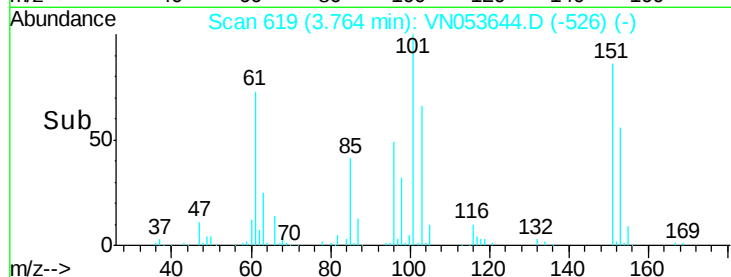
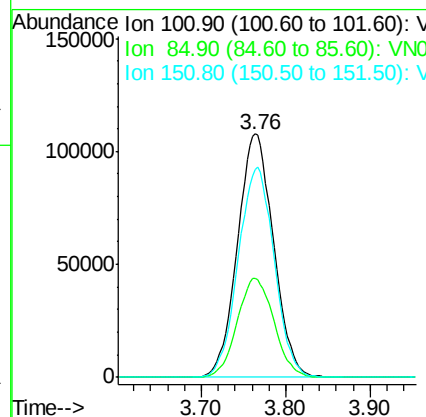
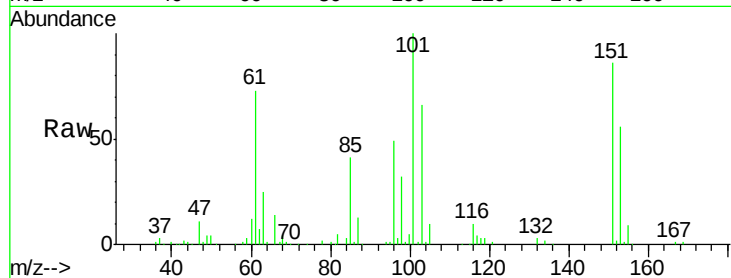
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	320231
Ion Ratio	Lower	Upper	
101	100		
85	41.6	32.8	49.2
151	86.3	66.9	100.3

Manual Integrations
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#10

Methyl Iodide

Concen: 51.102 ug/l

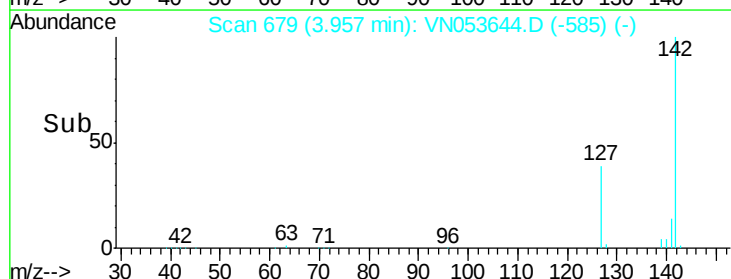
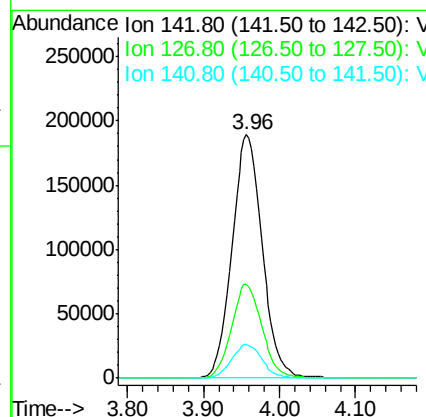
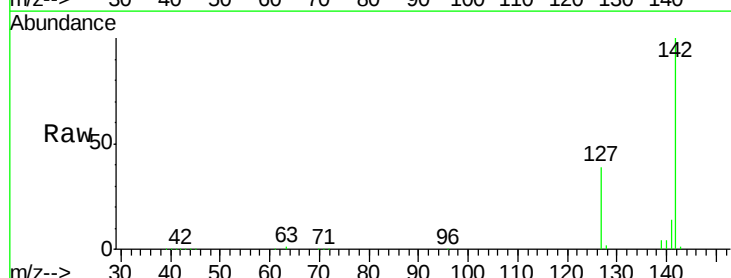
RT: 3.96 min Scan# 679

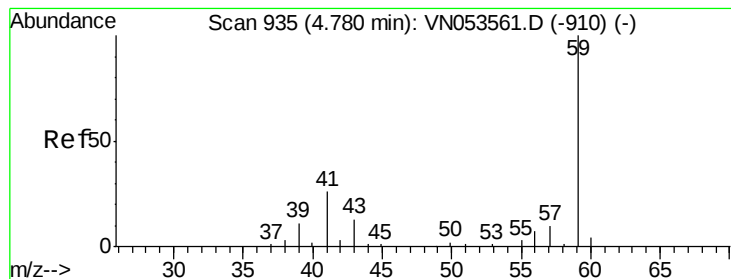
Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

Tgt Ion:	142	Resp:	522666
Ion Ratio	Lower	Upper	
142	100		
127	38.7	31.0	46.4
141	14.0	11.1	16.7





#11

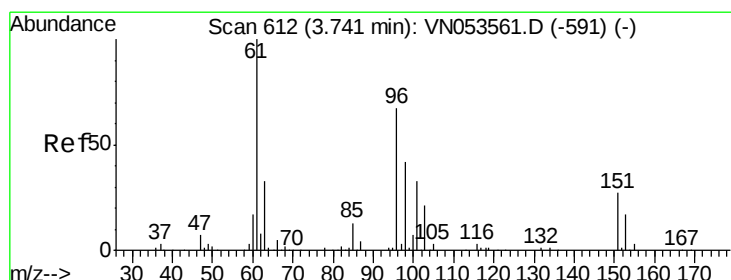
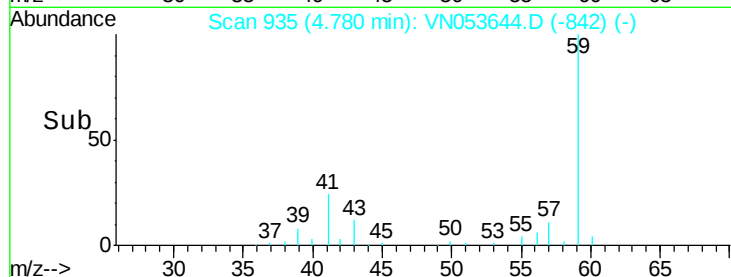
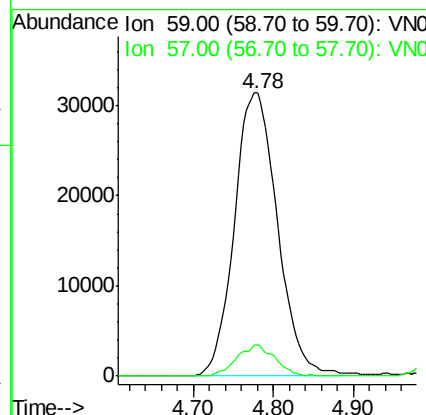
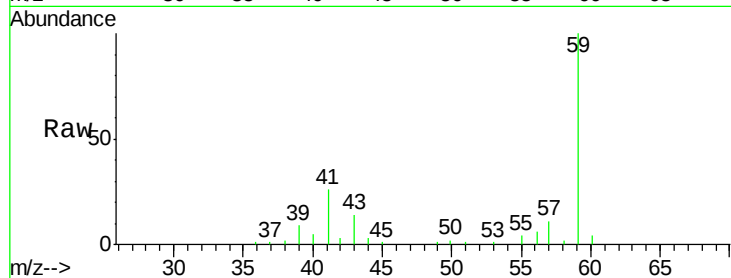
Tert butyl alcohol
Concen: 286.903 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.00 min
Lab File: VN053644.D
Acq: 6 Feb 2019 19:24

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.2	12.4

Manual Integrations
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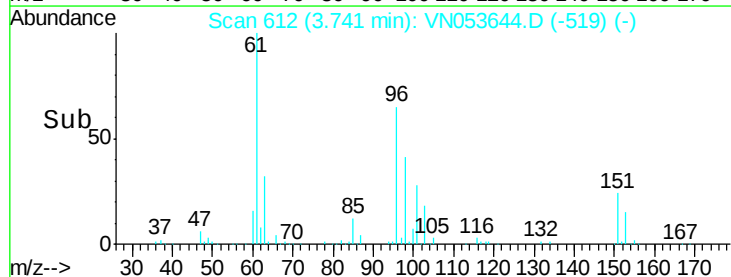
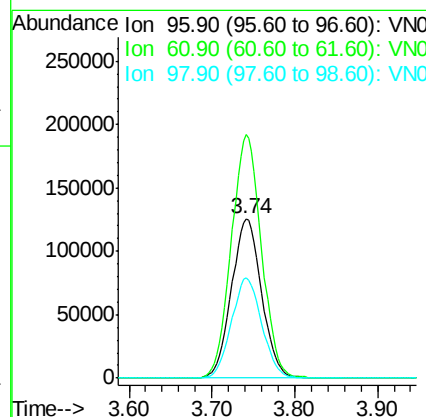
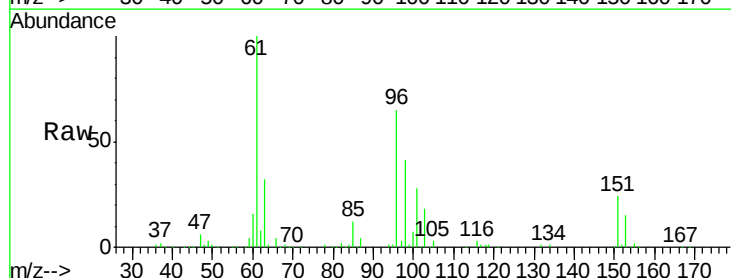
MMDadoda
2/7/2019 11:04:34 AM

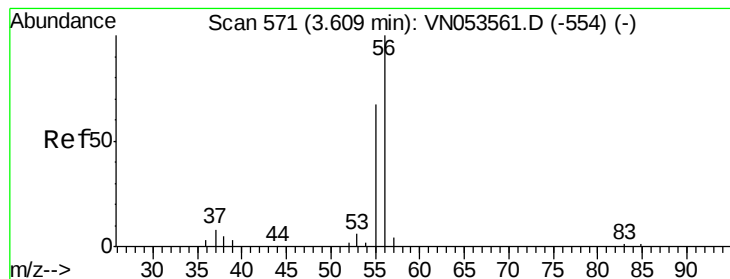


#12

1,1-Dichloroethene
Concen: 50.995 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053644.D
Acq: 6 Feb 2019 19:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.8	122.9	184.3
98	62.9	49.4	74.0





#13

Acrolein

Concen: 362.727 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 79052

Ion Ratio Lower Upper

56 100

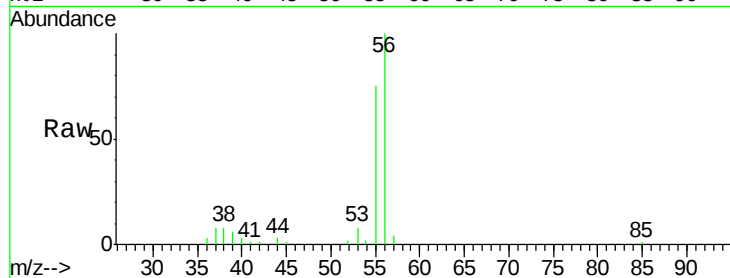
55 72.2 57.4 86.0

Manual Integrations

APPROVED

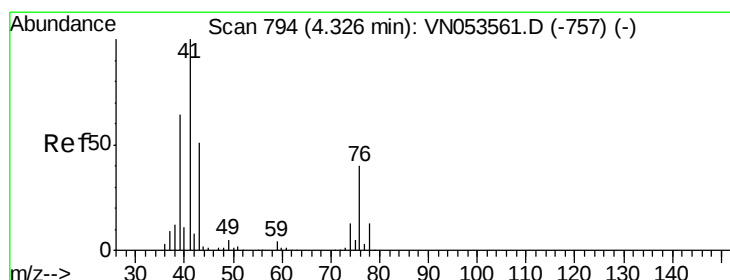
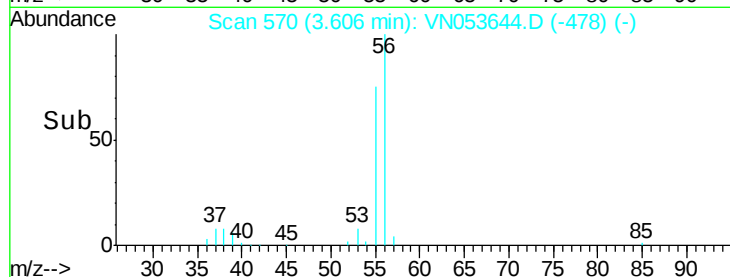
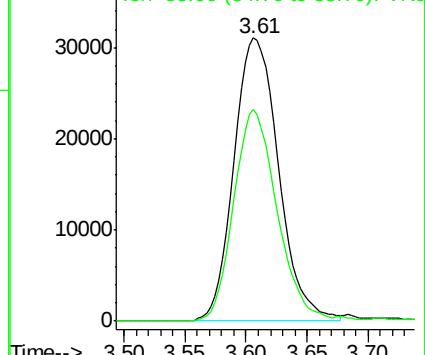
MMDadoda

2/7/2019 11:04:34 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 48.661 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

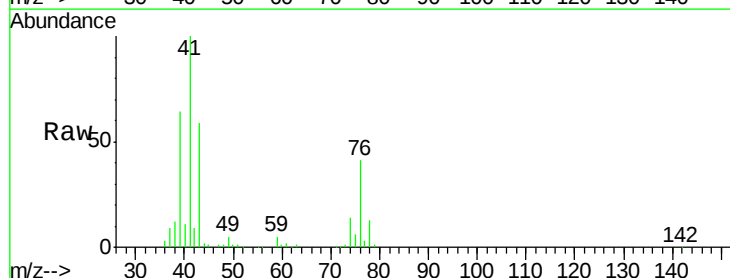
Tgt Ion: 41 Resp: 483721

Ion Ratio Lower Upper

41 100

39 64.5 48.9 73.3

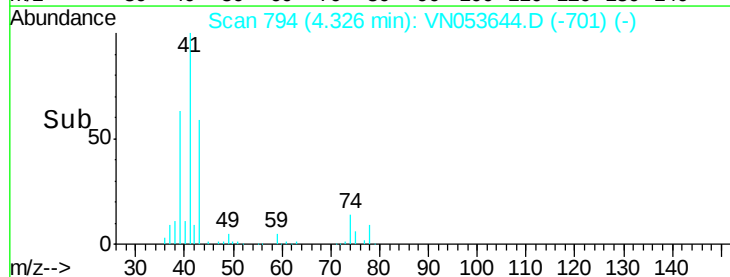
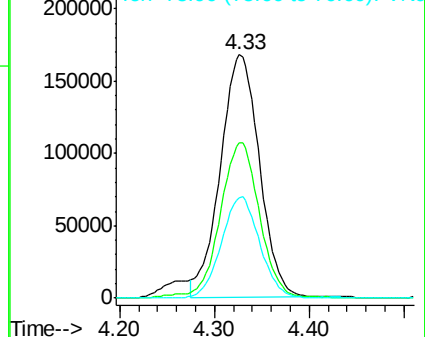
76 40.4 29.4 44.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





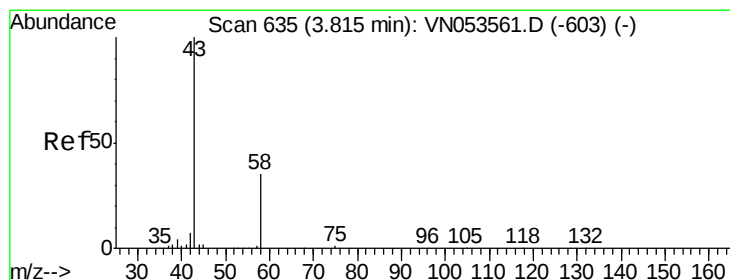
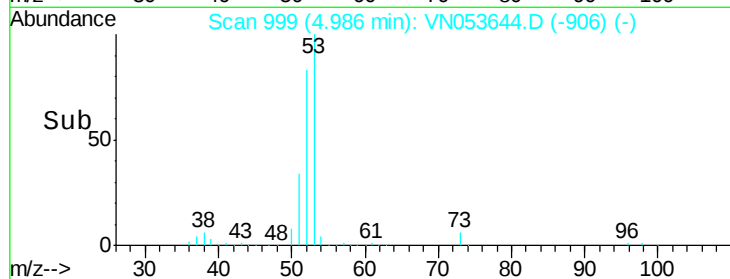
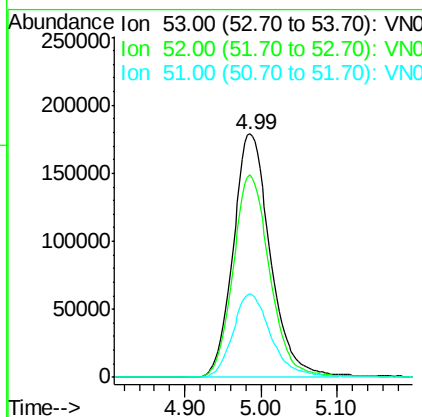
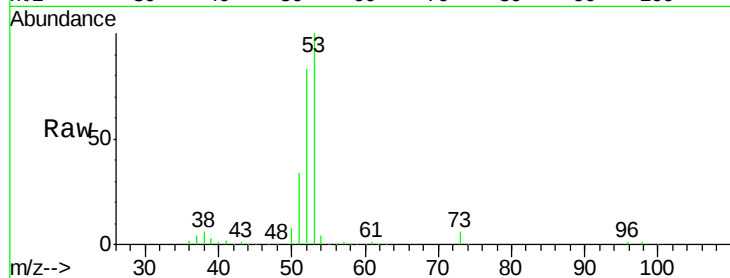
#15
 Acrylonitrile
 Concen: 280.356 ug/l
 RT: 4.99 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VN053644.D
 Acq: 6 Feb 2019 19:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	53	Resp:	605833
Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.0	99.0
51	35.5	28.3	42.5

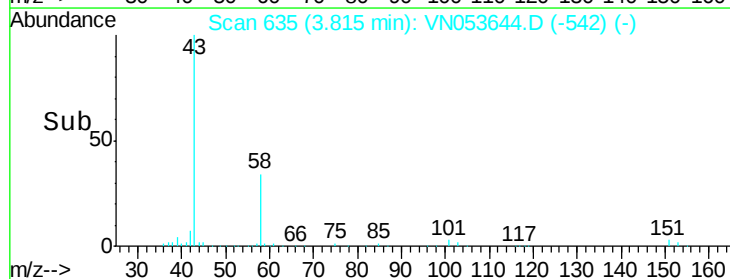
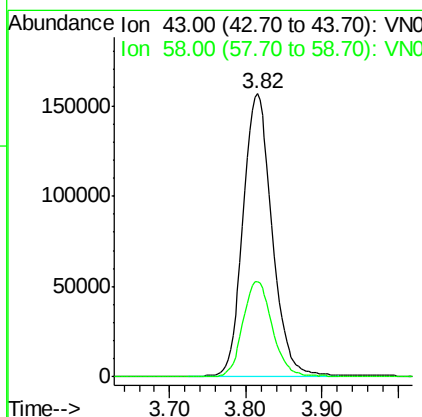
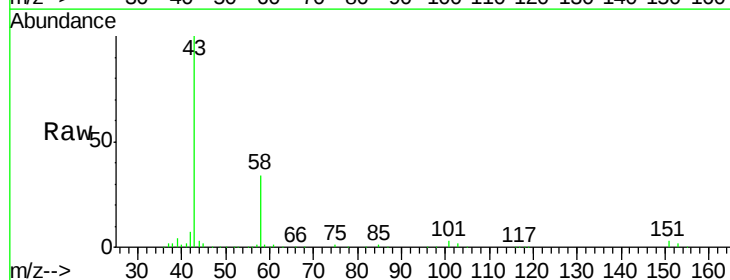
Manual Integrations
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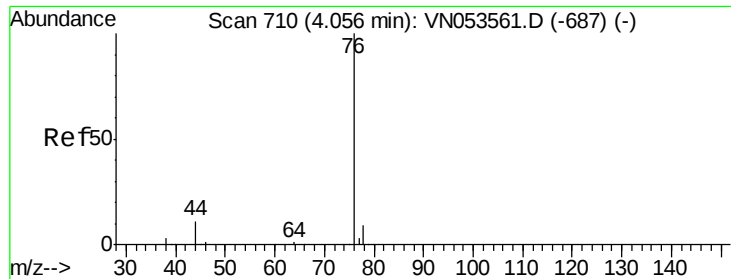
MMDadoda
 2/7/2019 11:04:34 AM



#16
 Acetone
 Concen: 239.582 ug/l
 RT: 3.82 min Scan# 635
 Delta R.T. 0.00 min
 Lab File: VN053644.D
 Acq: 6 Feb 2019 19:24

Tgt Ion:	43	Resp:	415645
Ion	Ratio	Lower	Upper
43	100		
58	33.8	27.1	40.7





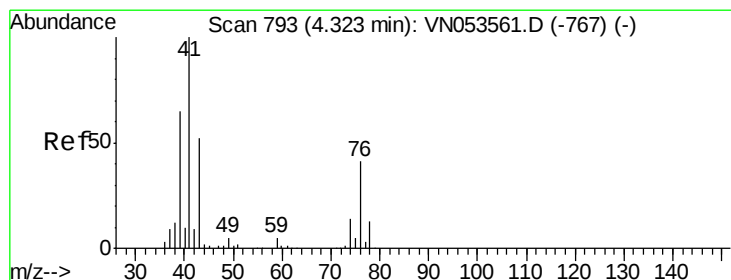
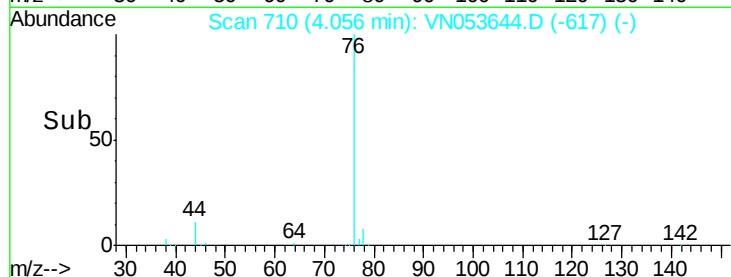
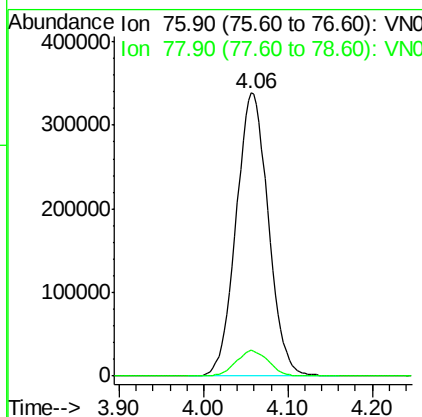
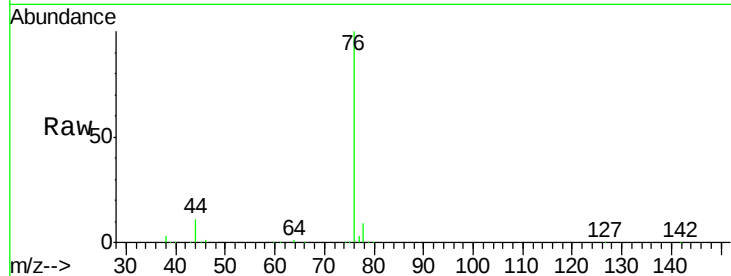
#17
Carbon Disulfide
Concen: 46.382 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN053644.D
Acq: 6 Feb 2019 19:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 901672
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9

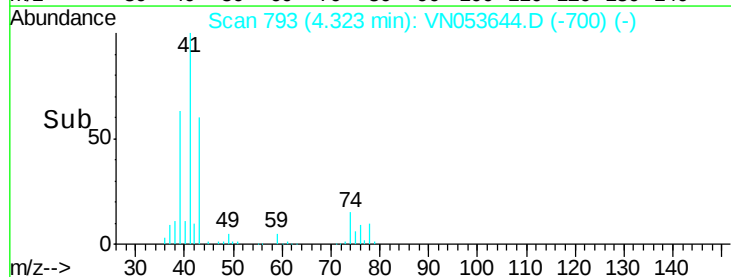
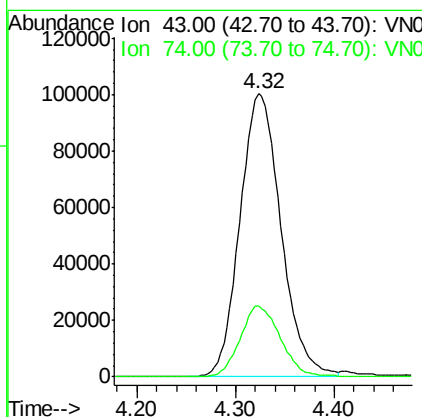
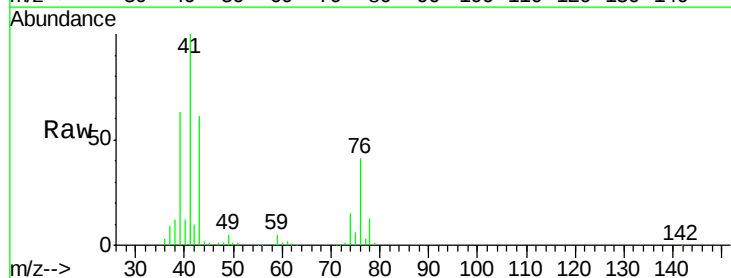
Manual Integrations
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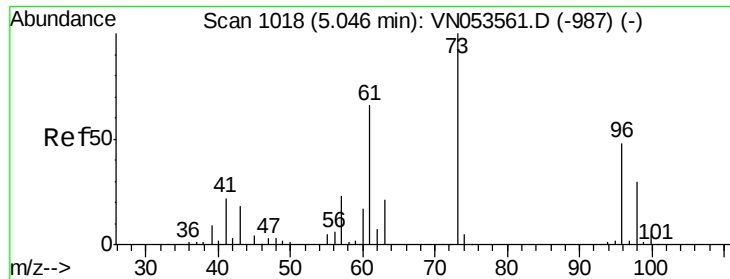
MMDadoda
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#18
Methyl Acetate
Concen: 55.750 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053644.D
Acq: 6 Feb 2019 19:24

Tgt Ion: 43 Resp: 286439
Ion Ratio Lower Upper
43 100
74 24.8 19.4 29.2





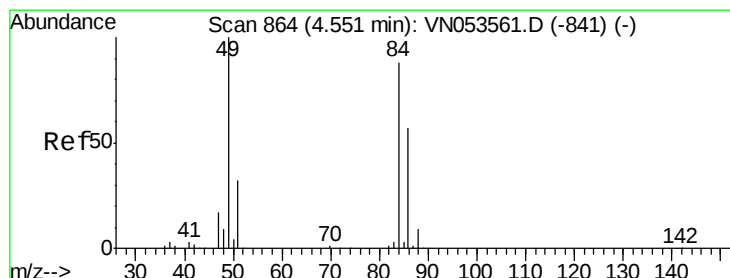
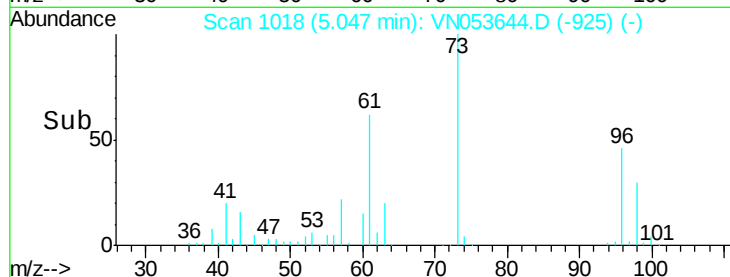
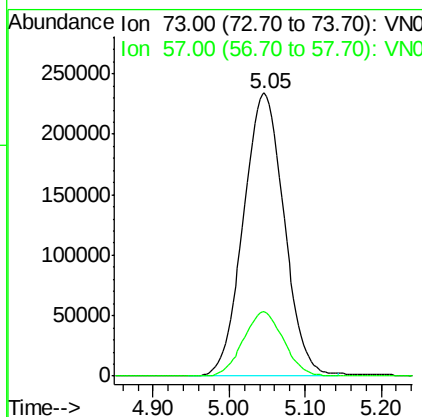
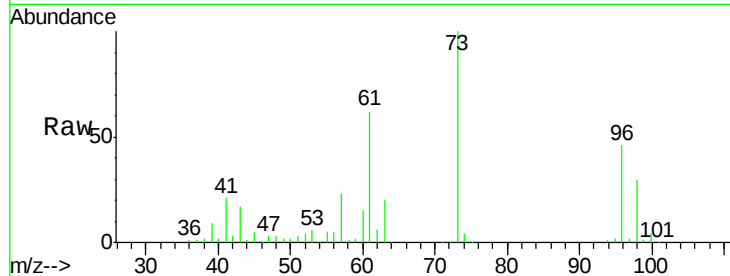
#19
Methvl tert-butvl Ether
Concen: 55.137 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053644.D
Acq: 6 Feb 2019 19:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 872655
Ion Ratio Lower Upper
73 100
57 22.6 18.3 27.5

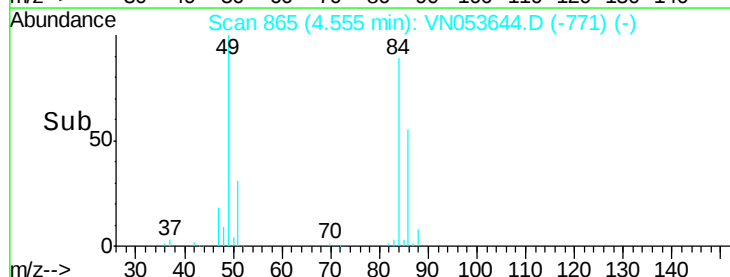
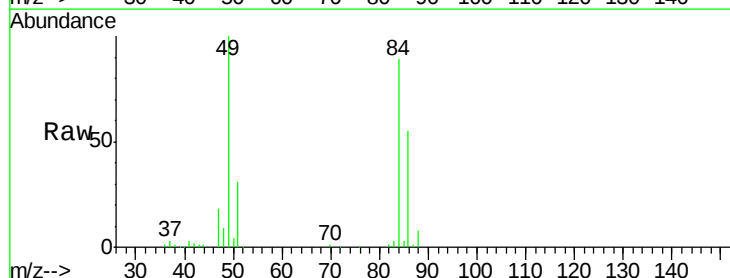
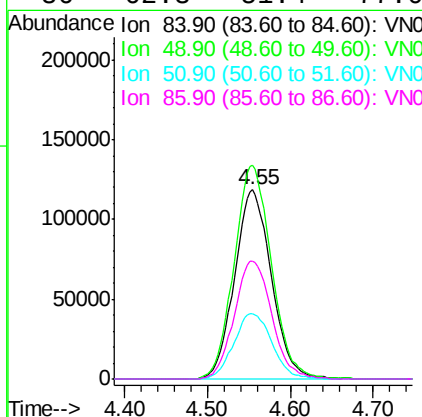
Manual Integrations
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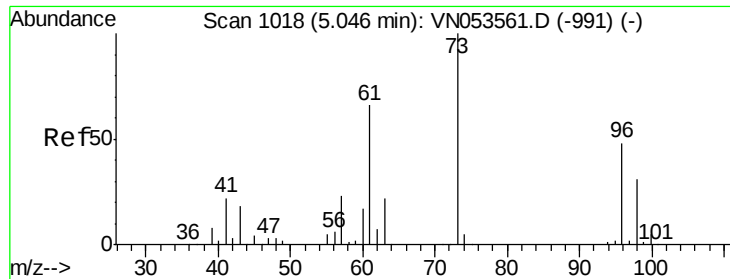
MMDadoda
2/7/2019 11:04:34 AM



#20
Methylene Chloride
Concen: 50.277 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053644.D
Acq: 6 Feb 2019 19:24

Tgt Ion: 84 Resp: 365941
Ion Ratio Lower Upper
84 100
49 113.0 94.3 141.5
51 34.6 29.4 44.2
86 62.3 51.4 77.0





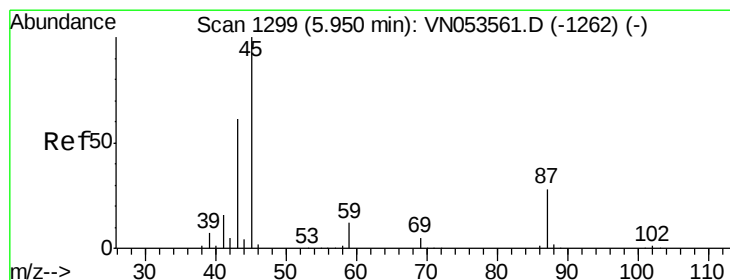
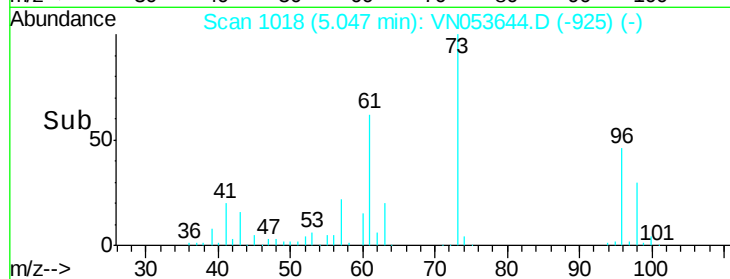
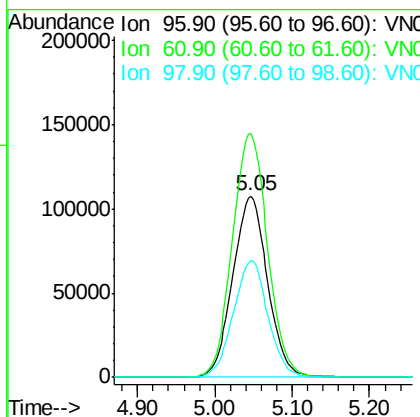
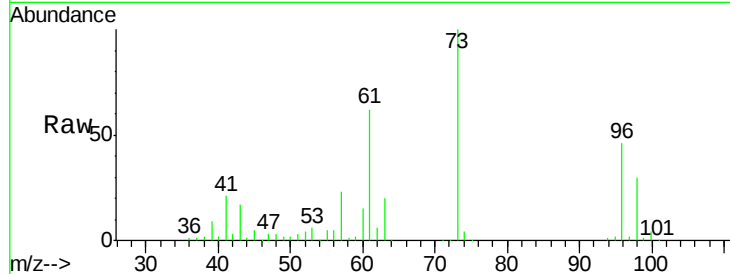
#21
trans-1,2-Dichloroethene
Concen: 49.926 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053644.D
Acq: 6 Feb 2019 19:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.1	110.1	165.1
98	64.2	50.0	75.0

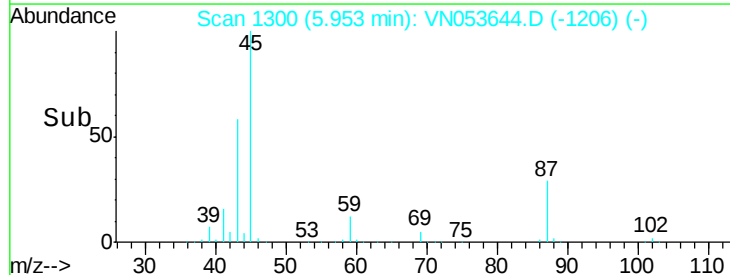
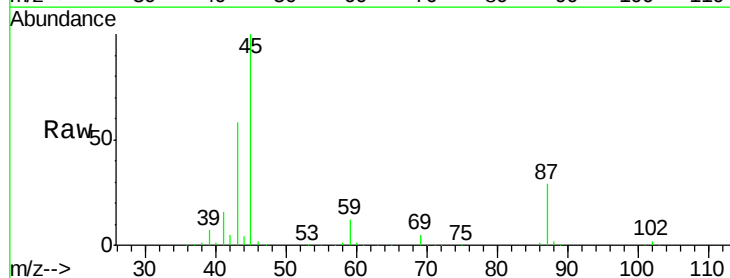
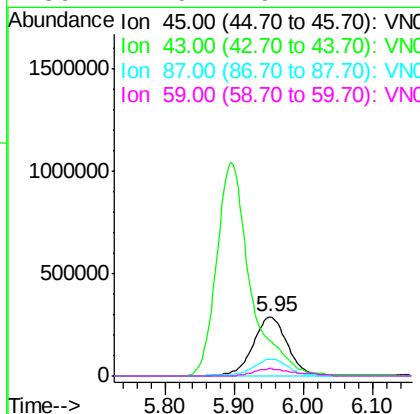
Manual Integrations
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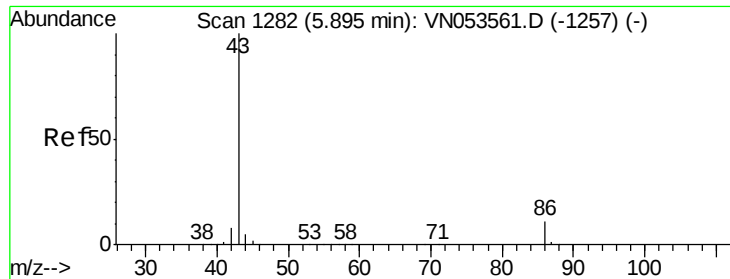
MMDadoda
2/7/2019 11:04:34 AM



#22
Diisopropyl ether
Concen: 54.149 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053644.D
Acq: 6 Feb 2019 19:24

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.3	44.2	66.4
87	28.3	22.7	34.1
59	11.9	9.4	14.2





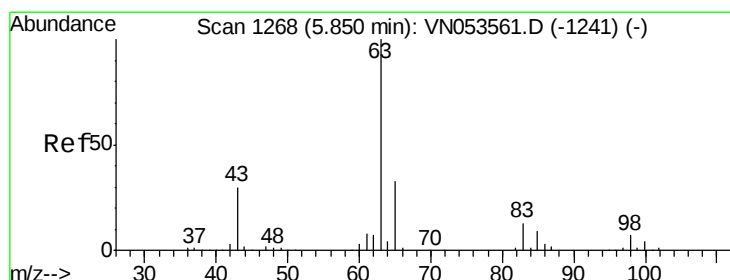
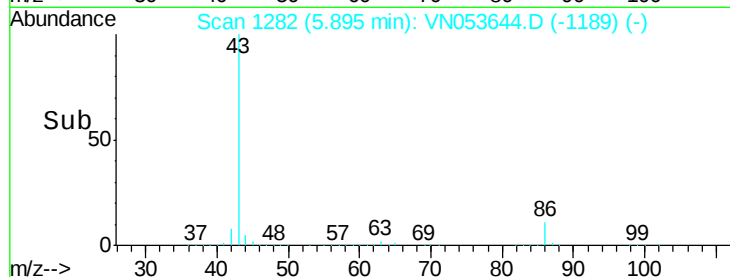
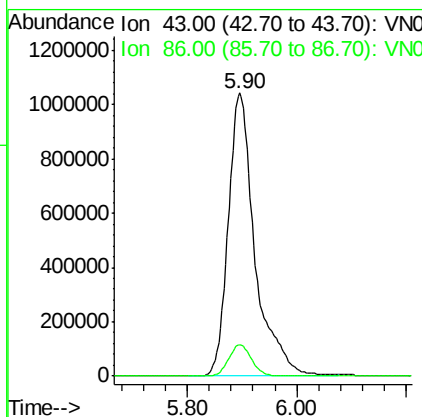
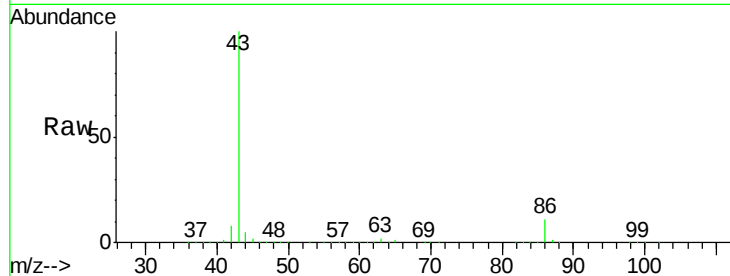
#23
 Vinyl Acetate
 Concen: 278.098 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053644.D
 Acq: 6 Feb 2019 19:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 3543572
 Ion Ratio Lower Upper
 43 100
 86 11.1 8.4 12.6

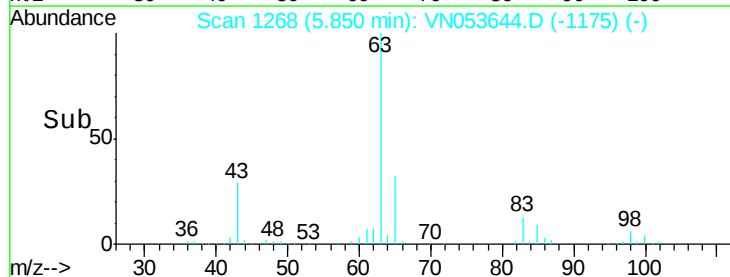
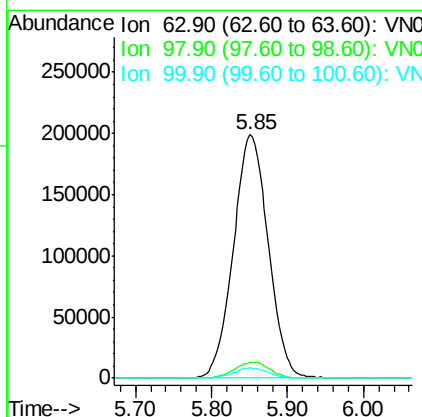
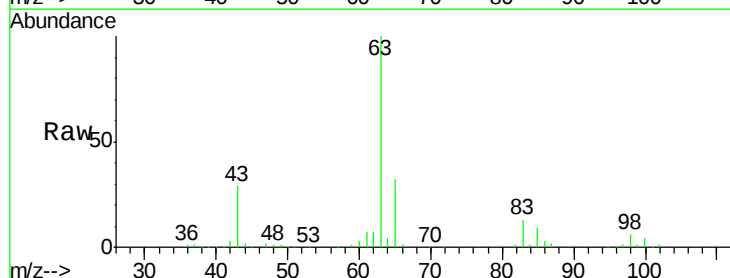
Manual Integrations
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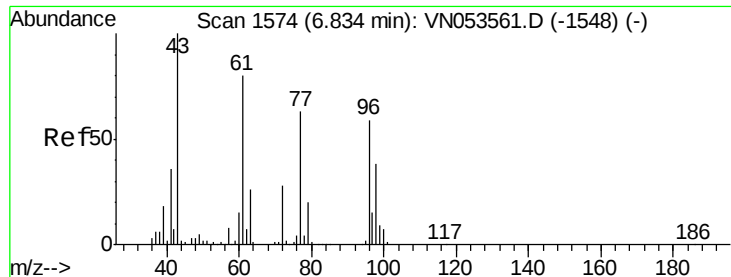
MMDadoda
 2/7/2019 11:04:34 AM



#24
 1,1-Dichloroethane
 Concen: 51.560 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN053644.D
 Acq: 6 Feb 2019 19:24

Tgt Ion: 63 Resp: 633437
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.3 9.9
 100 4.1 2.1 6.5





#25

2-Butanone

Concen: 266.451 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 659284

Ion Ratio Lower Upper

43 100

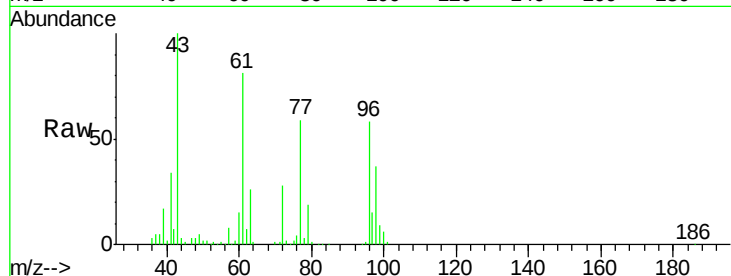
72 28.0 22.0 33.0

Manual Integrations

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MMDadoda

2/7/2019 11:04:34 AM



Abundance Ion 43.00 (42.70 to 43.70): VN053561.D (-1548) (-)

Ion 72.00 (71.70 to 72.70): VN053561.D (-1548) (-)

6.83

250000

200000

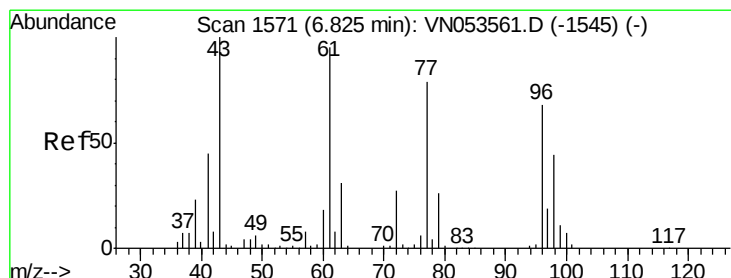
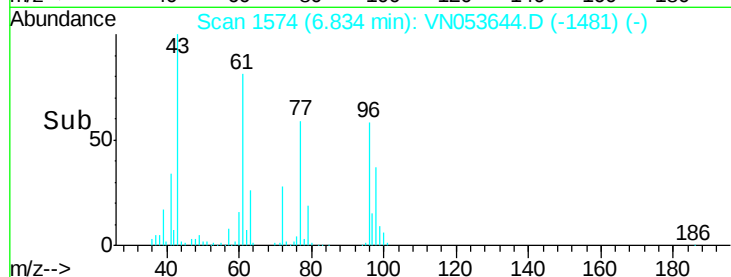
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 48.811 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053644.D

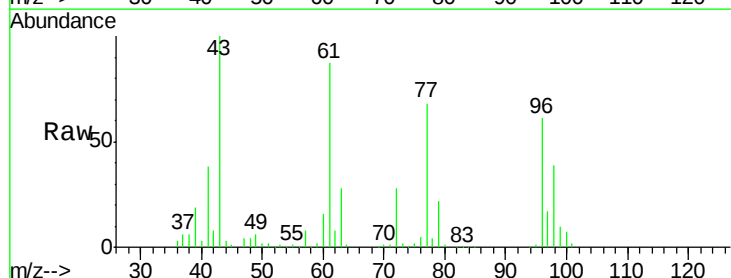
Acq: 6 Feb 2019 19:24

Tgt Ion: 77 Resp: 457766

Ion Ratio Lower Upper

77 100

97 24.9 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VN053561.D (-1545) (-)

Ion 96.90 (96.60 to 97.60): VN053561.D (-1545) (-)

6.83

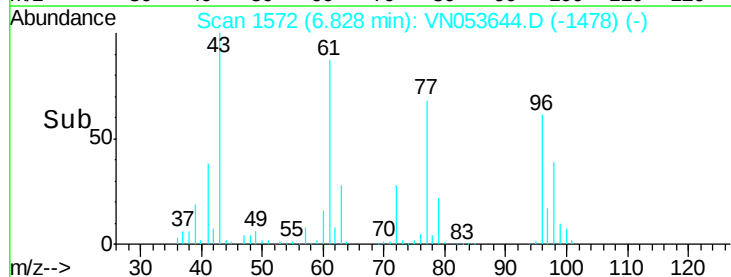
150000

100000

50000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 51.711 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

Instrument :

MSVOA_N

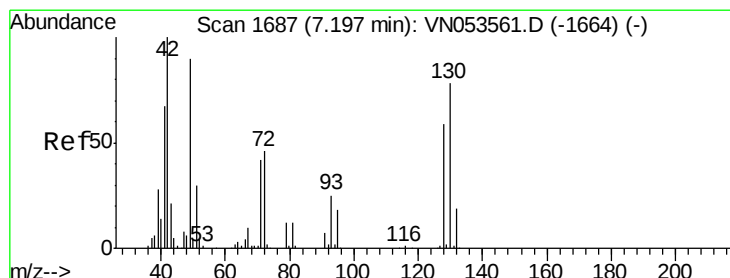
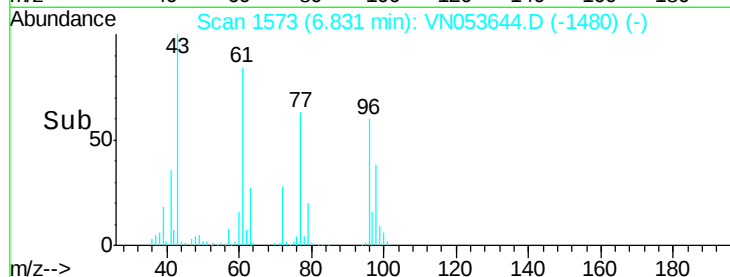
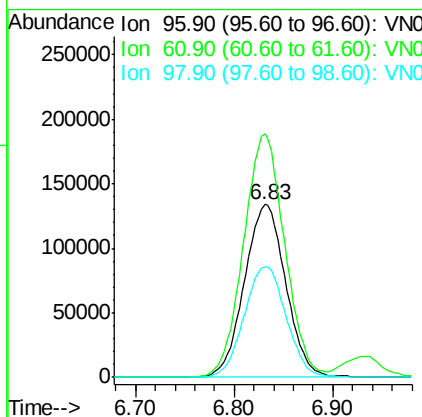
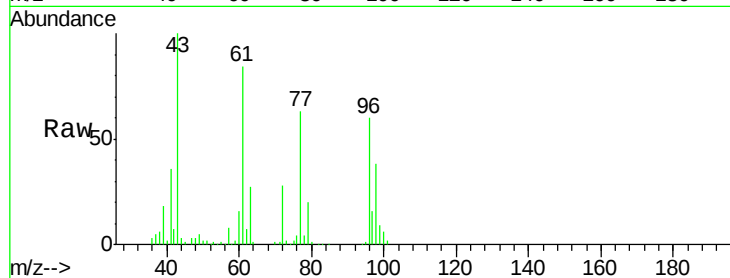
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	387308
Ion	Ratio	Lower	Upper
96	100		
61	140.3	0.0	283.8
98	65.2	0.0	129.2

Manual Integrations
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#28

Bromochloromethane

Concen: 51.503 ug/l

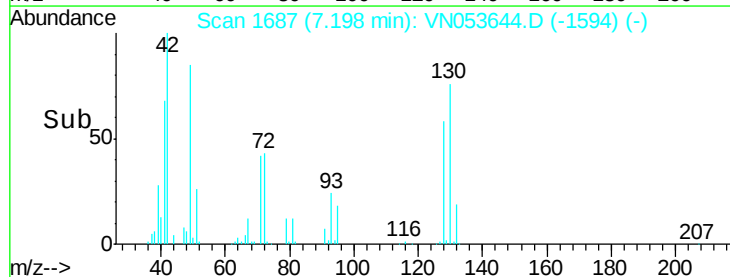
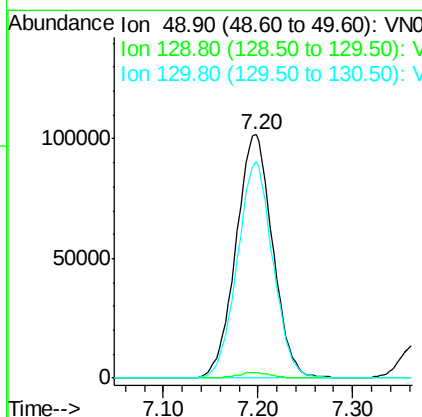
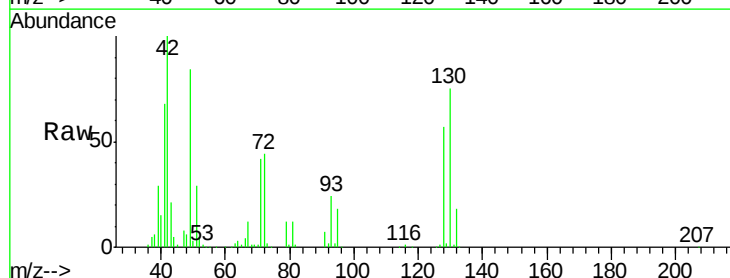
RT: 7.20 min Scan# 1687

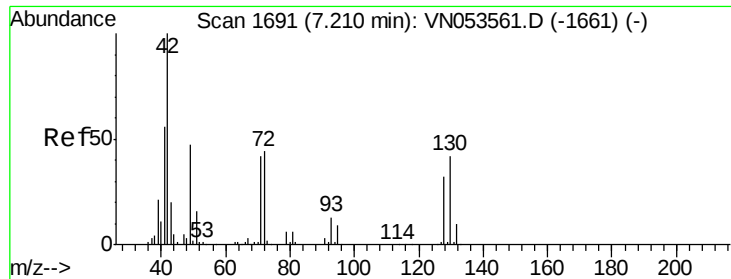
Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

Tgt Ion:	49	Resp:	274582
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.0
130	86.2	66.3	99.5





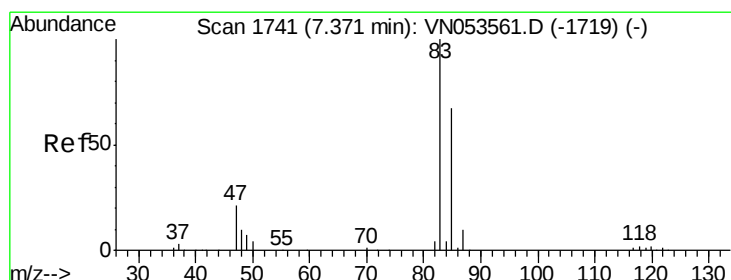
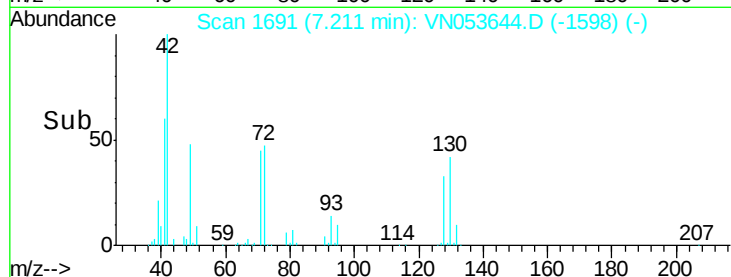
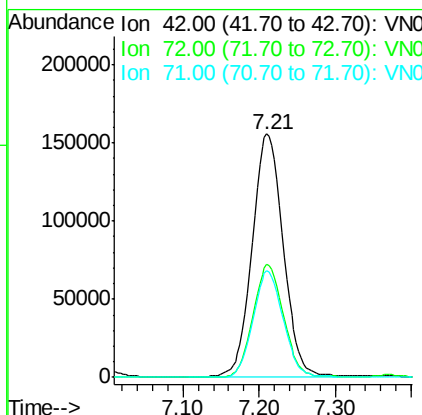
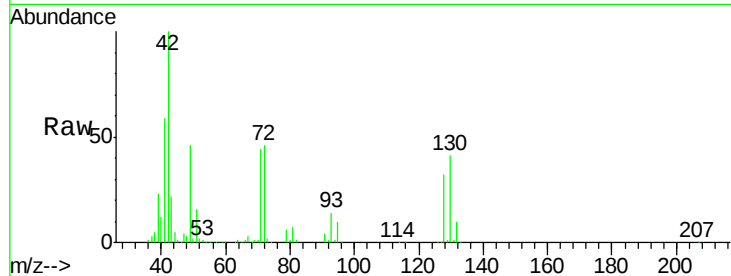
#29
Tetrahydrofuran
Concen: 278.038 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053644.D
Acq: 6 Feb 2019 19:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.6	35.2	52.8
71	42.6	33.0	49.4

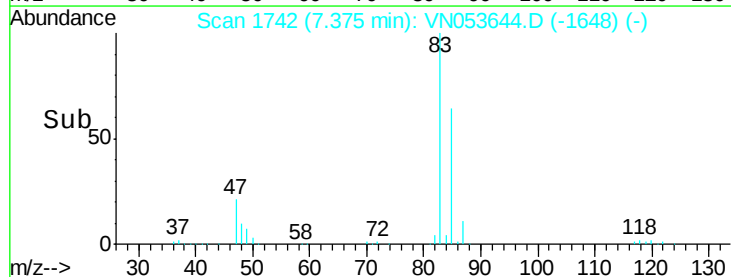
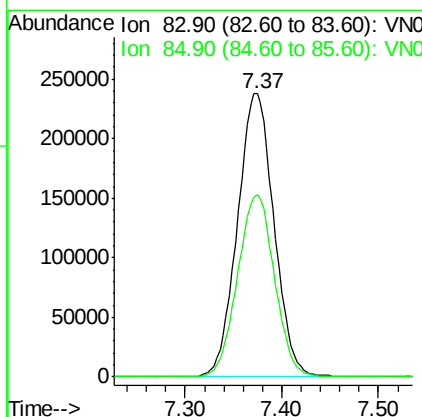
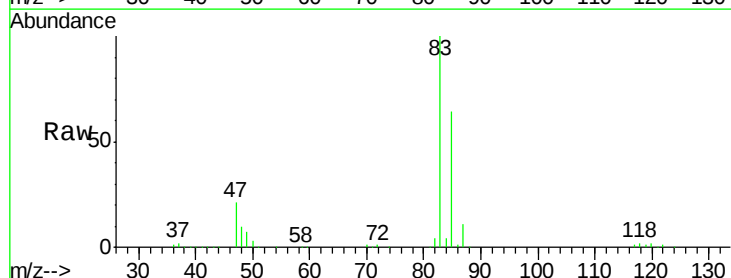
Manual Integrations
APPROVED

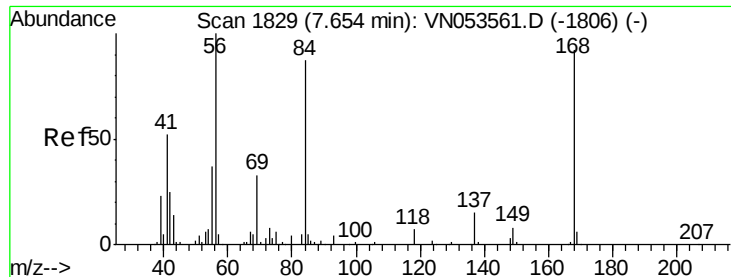
MMDadoda
2/7/2019 11:04:34 AM



#30
Chloroform
Concen: 51.226 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053644.D
Acq: 6 Feb 2019 19:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.2	78.2





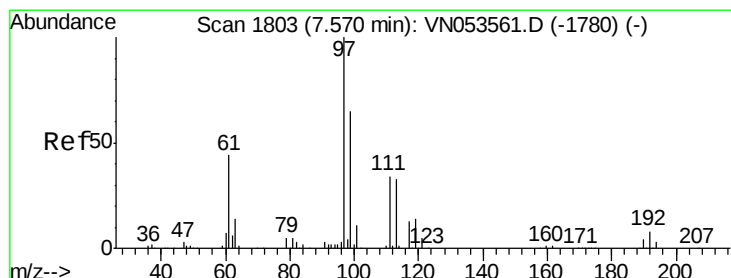
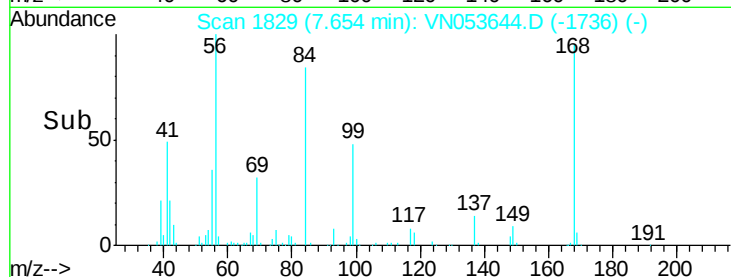
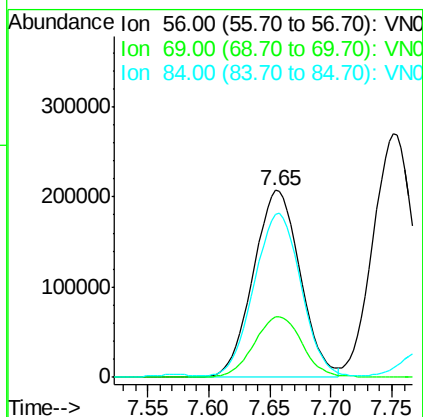
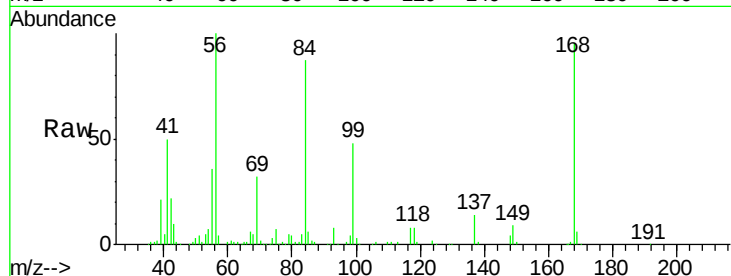
#31
Cyclohexane
Concen: 48.520 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN053644.D
Acq: 6 Feb 2019 19:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.2	26.4	39.6
84	86.2	67.9	101.9

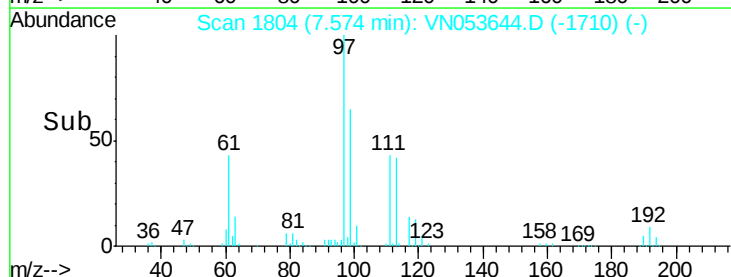
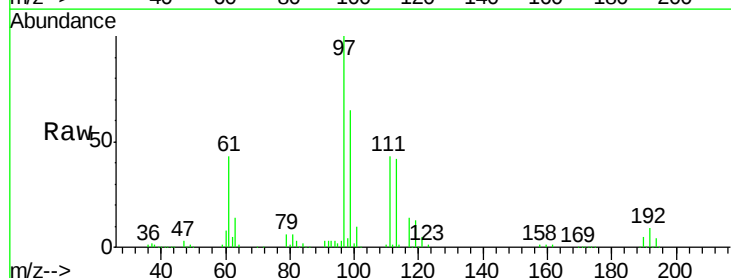
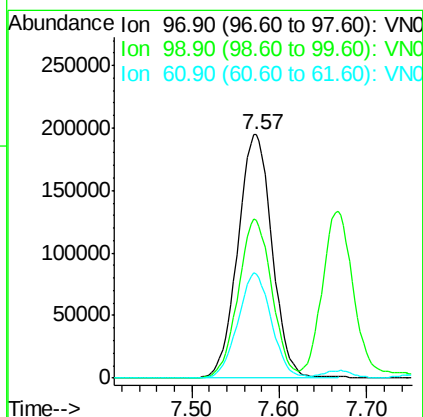
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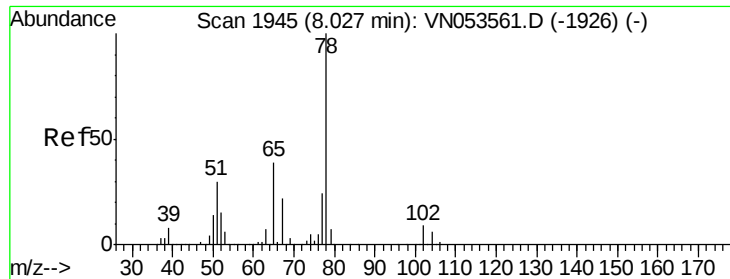
MMDadoda
2/7/2019 11:04:34 AM



#32
1,1,1-Trichloroethane
Concen: 52.196 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN053644.D
Acq: 6 Feb 2019 19:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	52.0	78.0
61	42.2	34.4	51.6





#33

1,2-Dichloroethane-d4

Concen: 52.196 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 376979

Ion Ratio Lower Upper

65 100

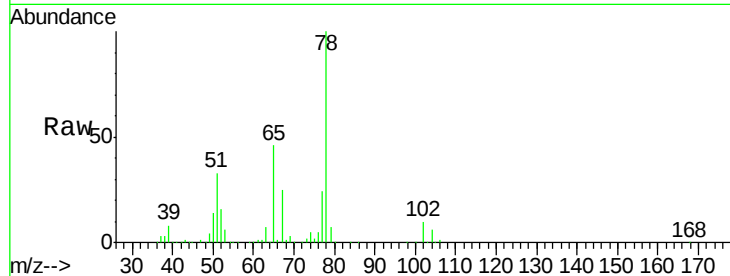
67 55.2 0.0 111.2

Manual Integrations

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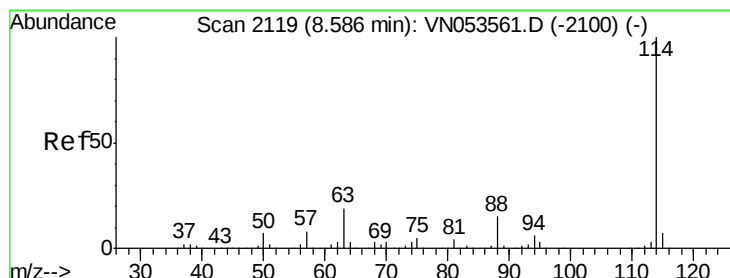
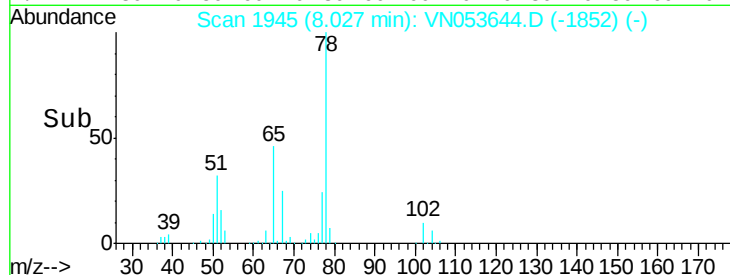
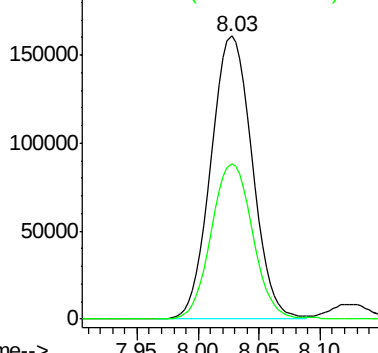
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Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

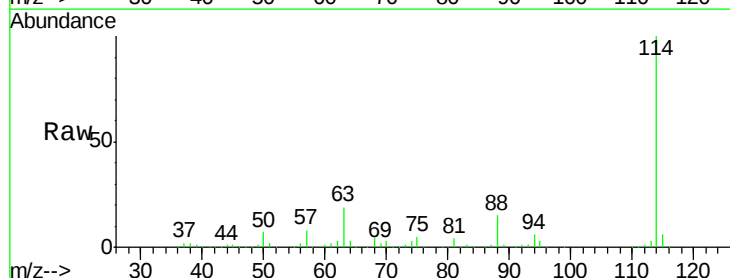
Tgt Ion:114 Resp: 1095219

Ion Ratio Lower Upper

114 100

63 19.3 0.0 38.6

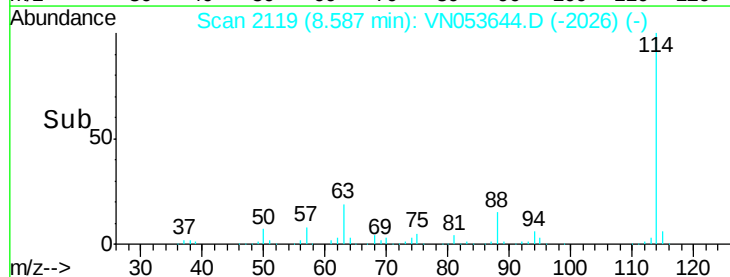
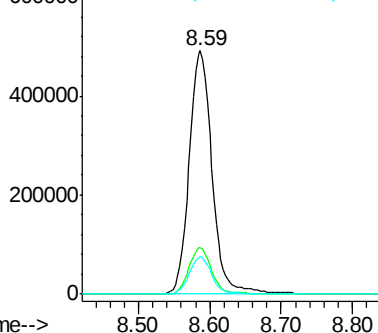
88 15.3 0.0 30.4

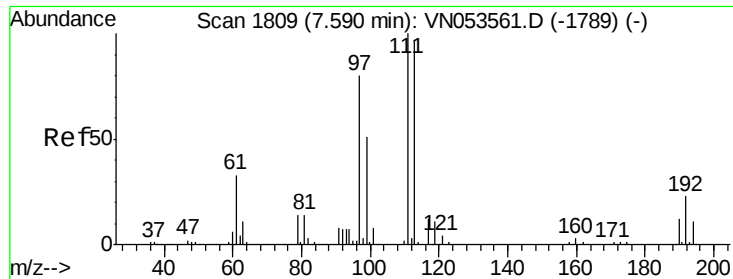


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0





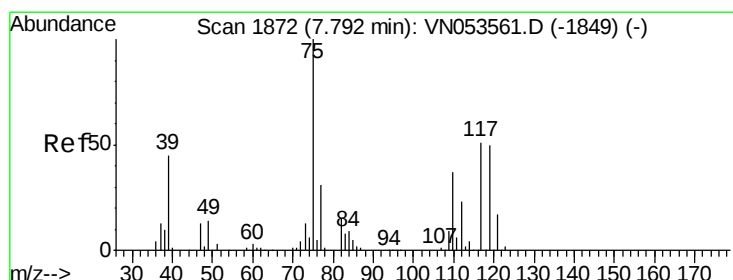
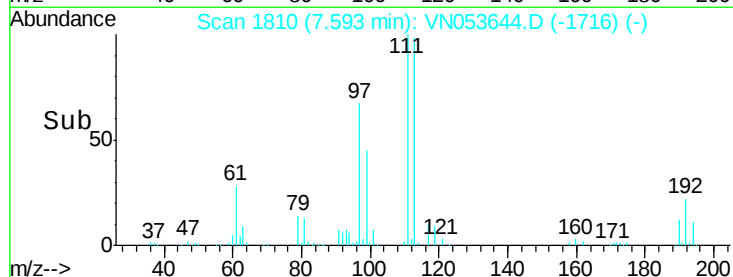
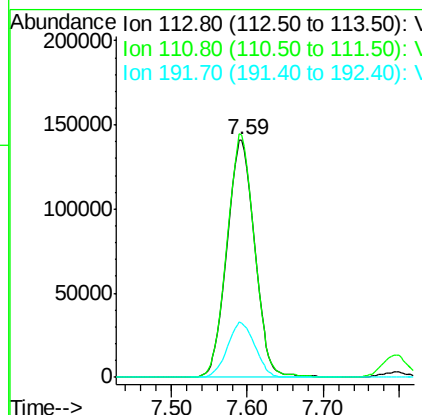
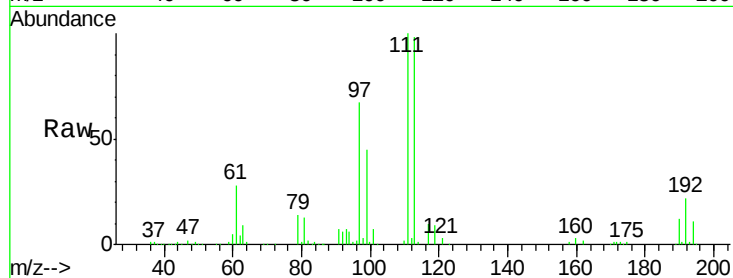
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN053644.D
Acq: 6 Feb 2019 19:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	359346		
111	101.2	81.1	121.7	
192	23.1	18.2	27.2	

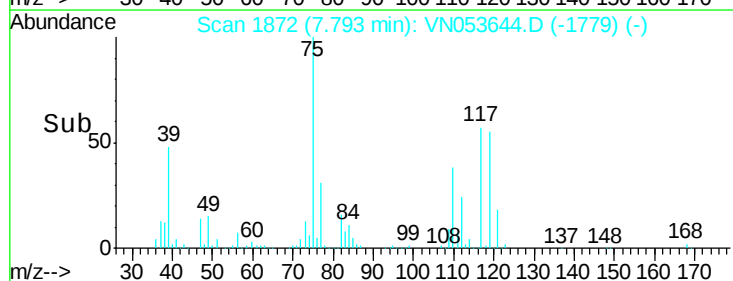
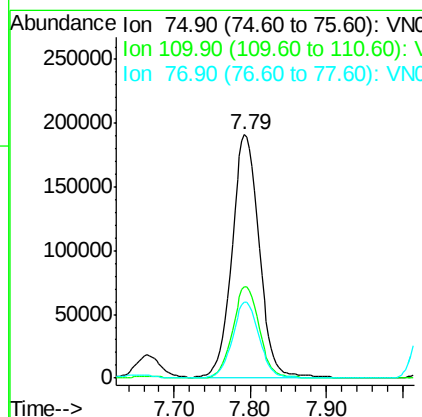
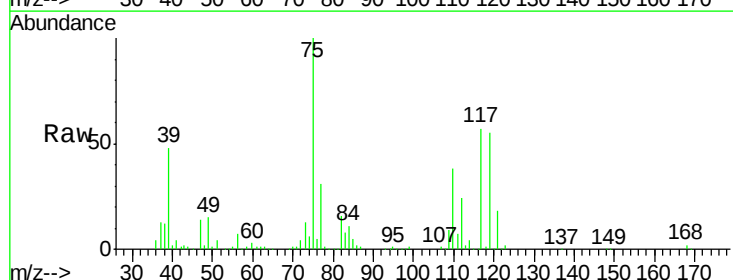
Manual Integrations
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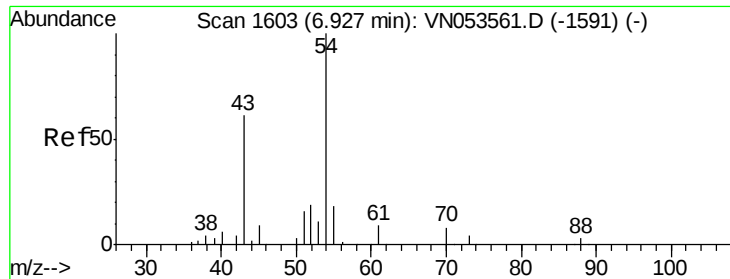
MMDadoda
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#36
1,1-Dichloropropene
Concen: 47.951 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN053644.D
Acq: 6 Feb 2019 19:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	473405		
110	37.3	18.1	54.3	
77	31.2	25.1	37.7	





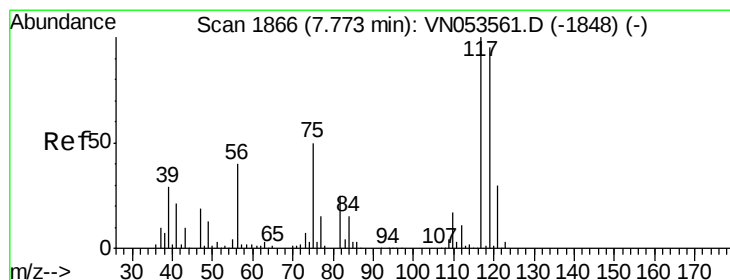
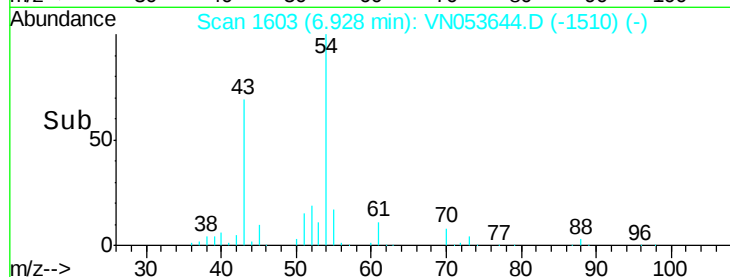
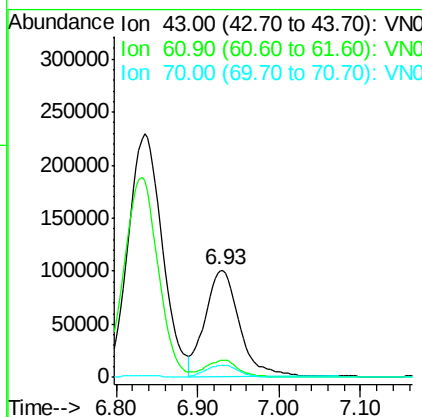
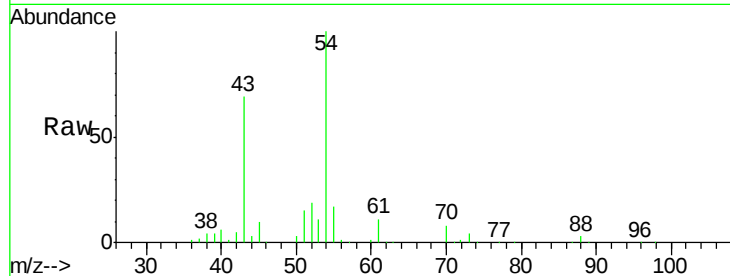
#37
Ethyl Acetate
Concen: 53.723 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053644.D
Acq: 6 Feb 2019 19:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	61	70
Resp	296224		
Ratio	100	15.3	11.0
Lower		11.8	8.6
Upper		17.6	12.8

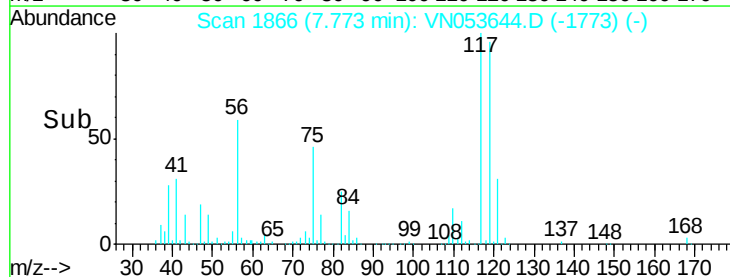
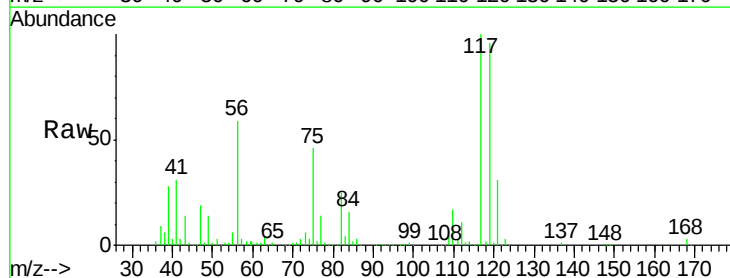
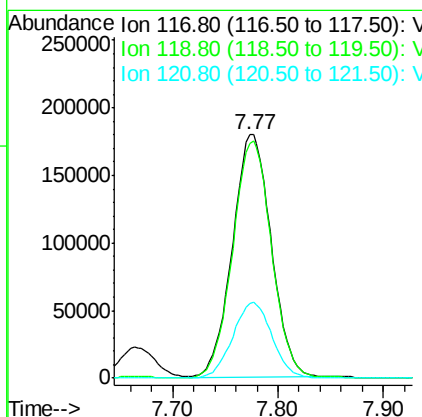
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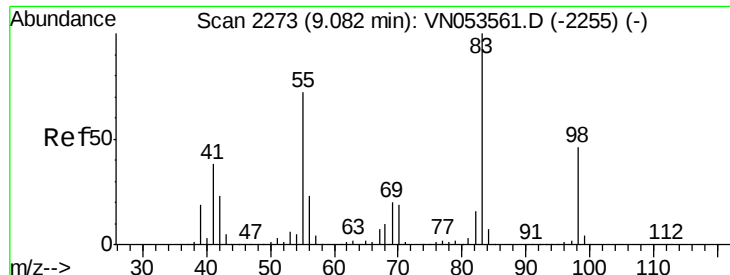
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#38
Carbon Tetrachloride
Concen: 46.205 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN053644.D
Acq: 6 Feb 2019 19:24

Tgt Ion	117	119	121
Resp	459544		
Ratio	100	96.7	31.0
Lower		77.2	24.6
Upper		115.8	37.0





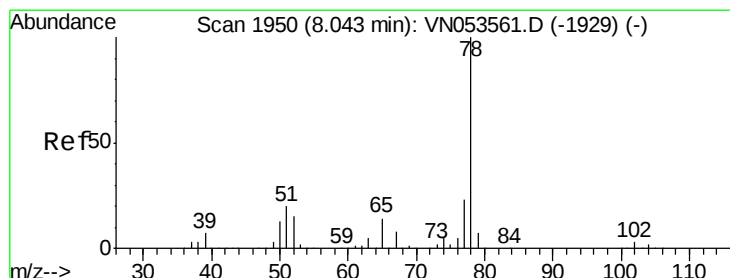
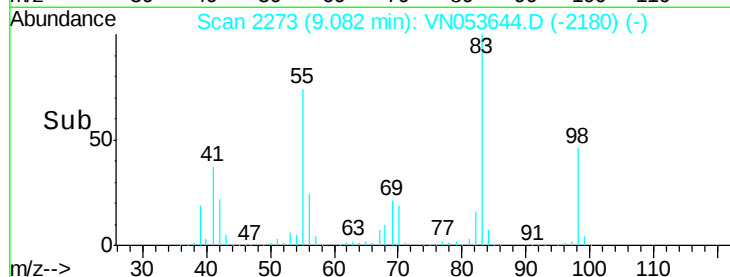
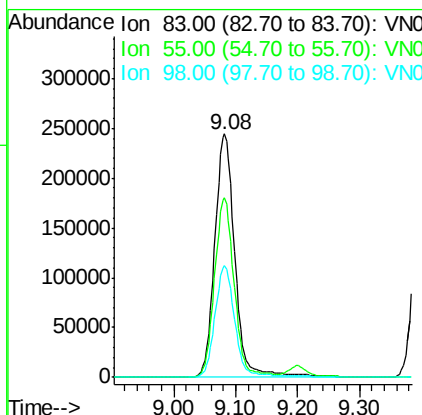
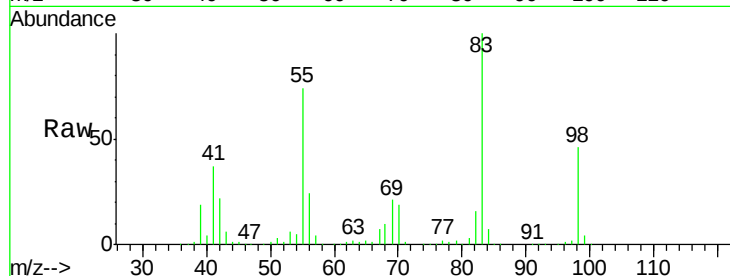
#39
Methylvlcyclohexane
Concen: 47.300 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053644.D
Acq: 6 Feb 2019 19:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.9	60.1	90.1
98	45.7	36.6	55.0

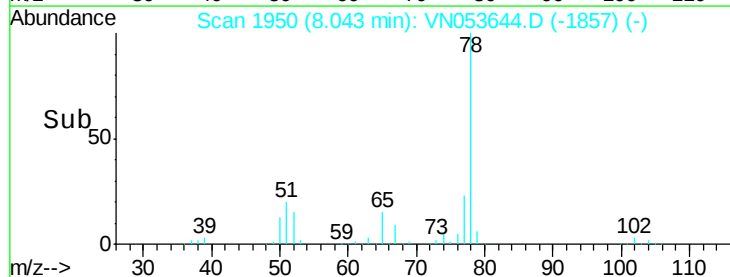
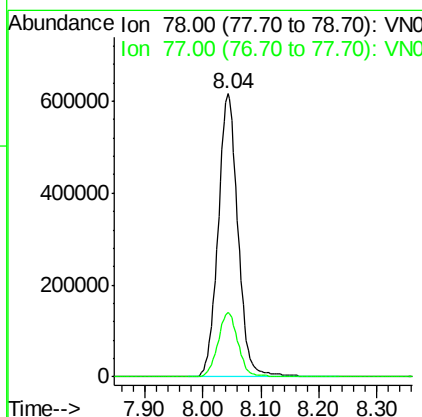
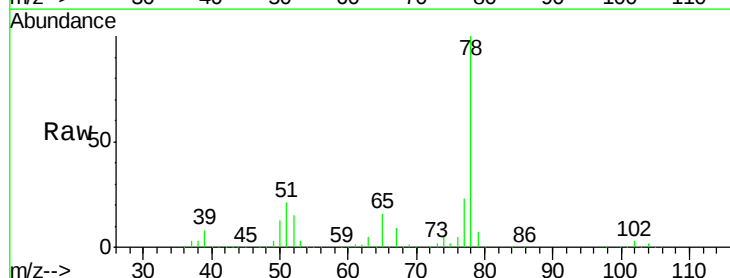
Manual Integrations
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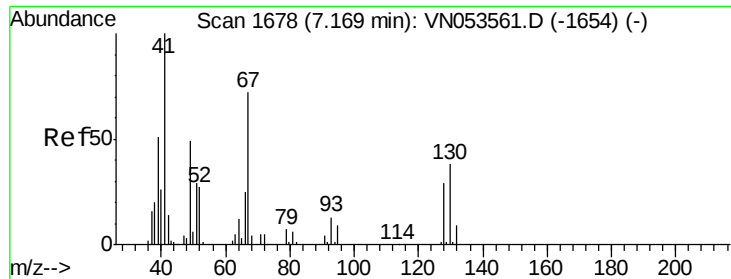
MMDadoda
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#40
Benzene
Concen: 47.938 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053644.D
Acq: 6 Feb 2019 19:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.8	28.2





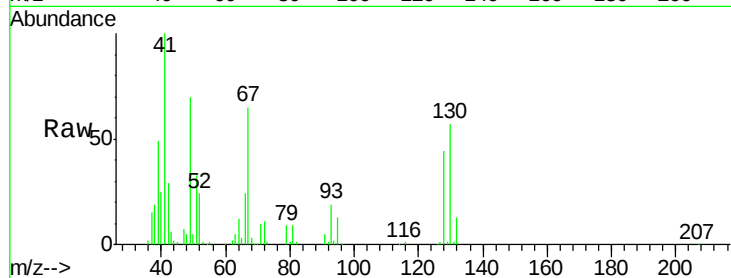
#41
Methacrylonitrile
Concen: 50.919 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN053644.D
Acq: 6 Feb 2019 19:24

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

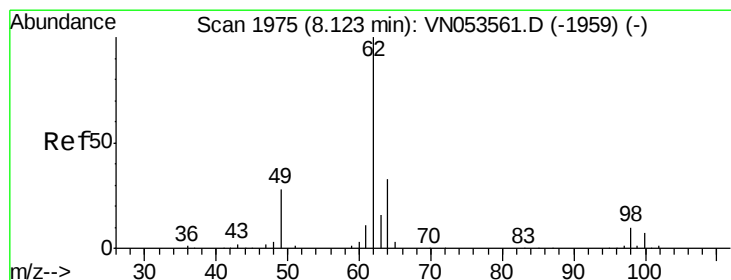
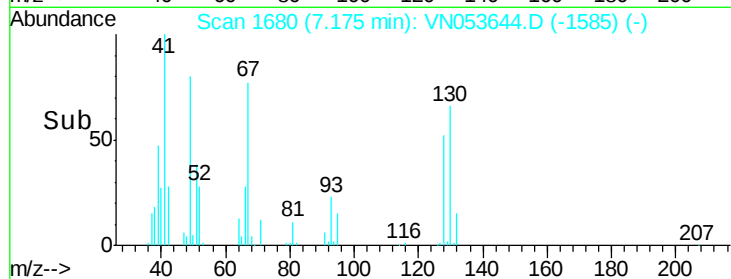
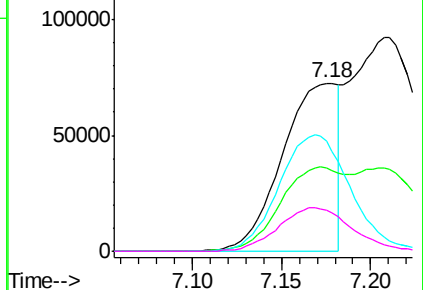
Tot Ion	41	Resp	156919
Ion Ratio	Lower	Upper	
41	100		
39	58.9	46.8	70.2
67	90.0	63.0	94.6
52	33.4	23.8	35.8

Manual Integrations
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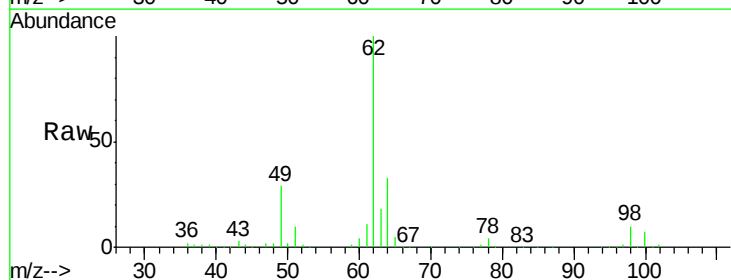


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

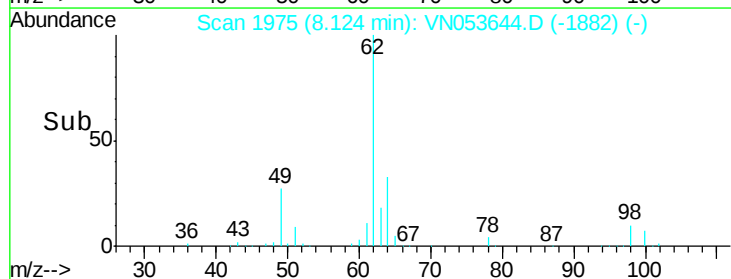
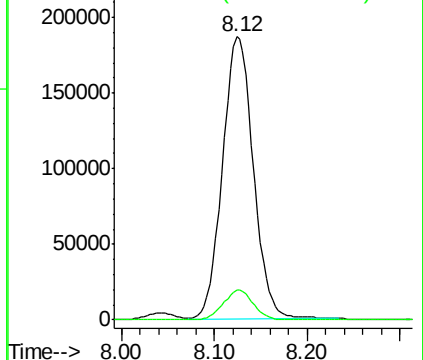


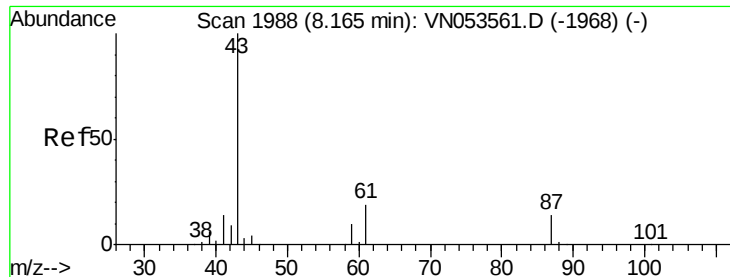
#42
1,2-Dichloroethane
Concen: 47.736 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053644.D
Acq: 6 Feb 2019 19:24

Tgt Ion	62	Resp	431524
Ion Ratio	Lower	Upper	
62	100		
98	10.3	0.0	19.6



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 49.788 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 530178

Ion Ratio Lower Upper

43 100

61 28.6 23.9 35.9

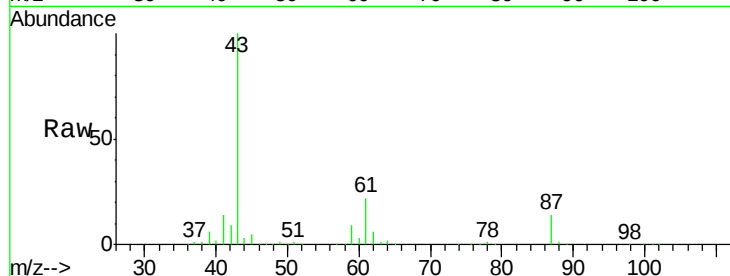
87 14.0 11.0 16.6

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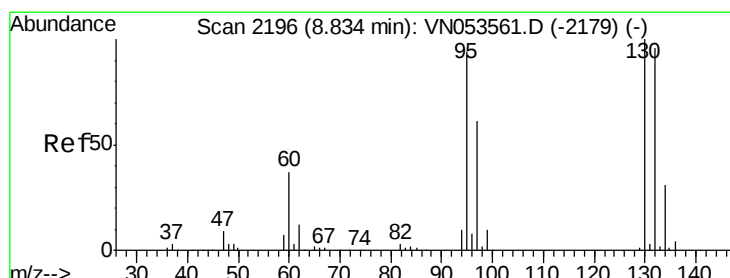
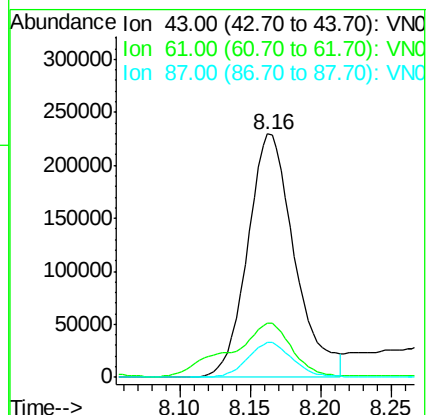
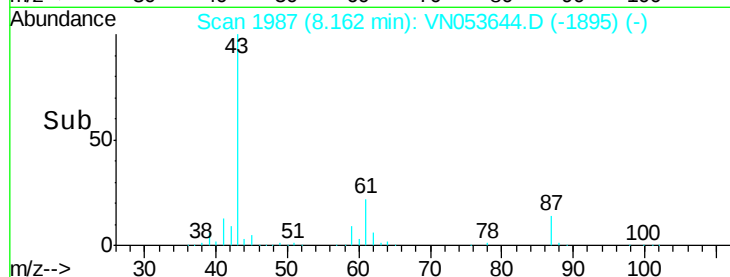


Abundance Ion 43.00 (42.70 to 43.70): VN053561.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN053561.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN053561.D (-1968) (-)

Time-->



#44

Trichloroethene

Concen: 46.391 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN053644.D

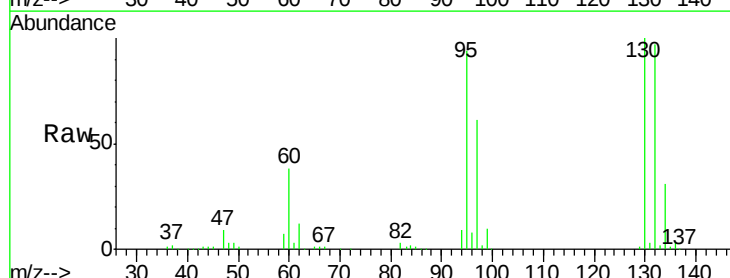
Acq: 6 Feb 2019 19:24

Tgt Ion:130 Resp: 402097

Ion Ratio Lower Upper

130 100

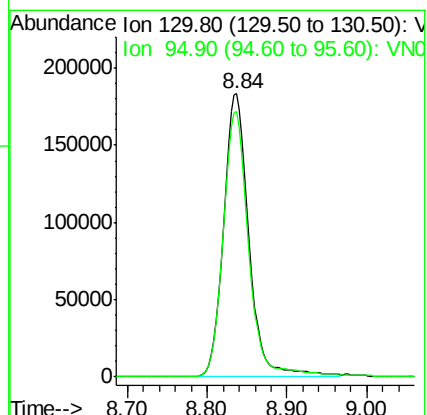
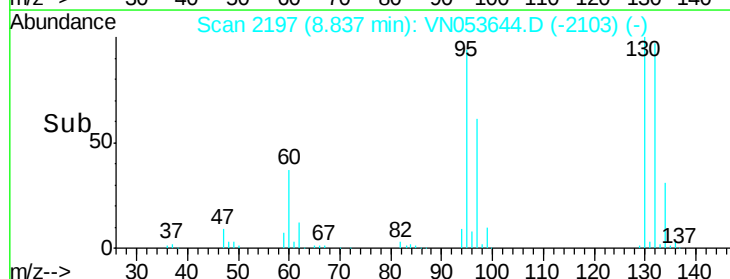
95 93.8 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): VN053561.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN053561.D (-2179) (-)

Time-->





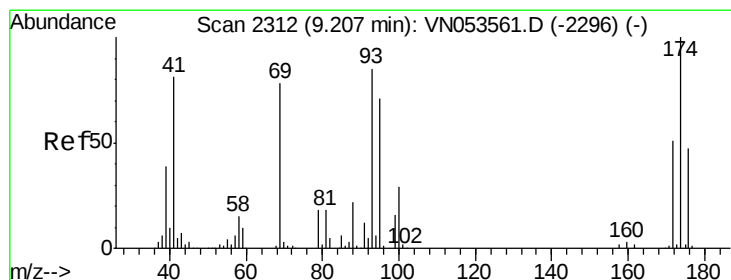
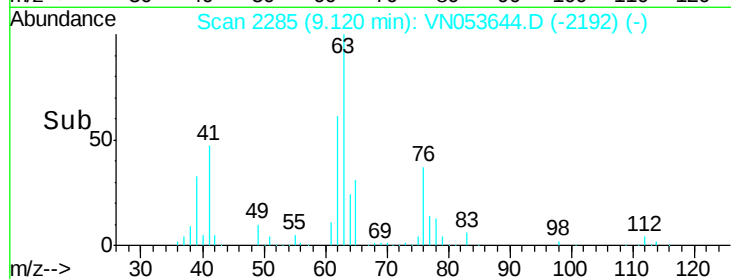
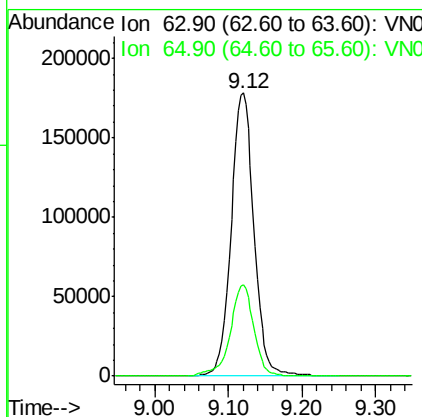
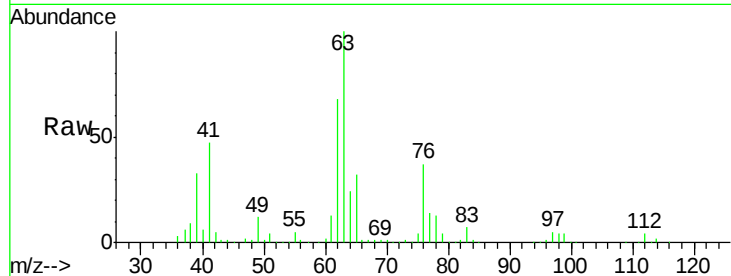
#45
 1,2-Dichloropropane
 Concen: 49.203 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053644.D
 Acq: 6 Feb 2019 19:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 383142
 Ion Ratio Lower Upper
 63 100
 65 32.2 25.0 37.4

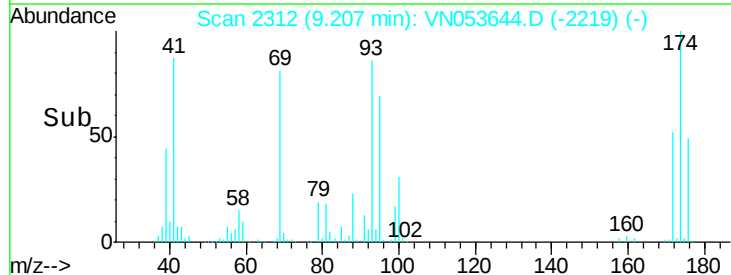
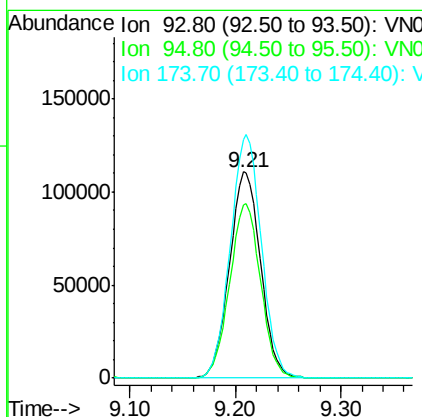
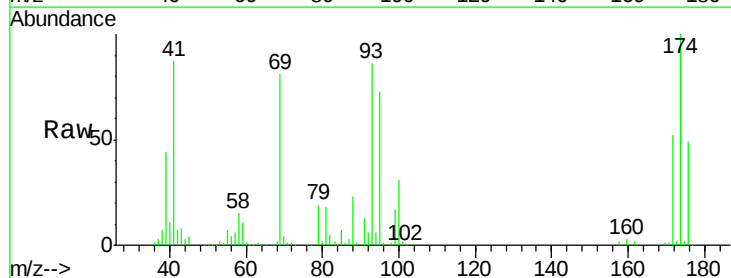
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#46
 Dibromomethane
 Concen: 48.348 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN053644.D
 Acq: 6 Feb 2019 19:24

Tgt Ion: 93 Resp: 226953
 Ion Ratio Lower Upper
 93 100
 95 84.0 67.3 100.9
 174 117.6 91.0 136.4





#47

Bromodichloromethane

Concen: 49.124 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

Instrument :

MSVOA_N

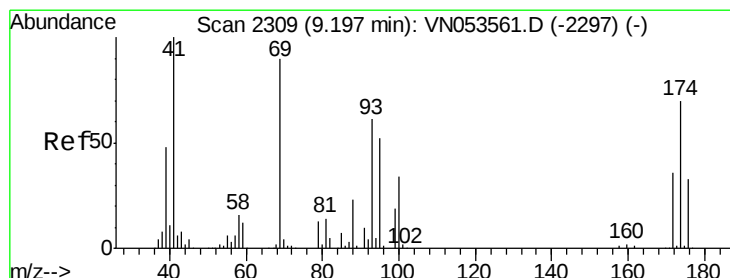
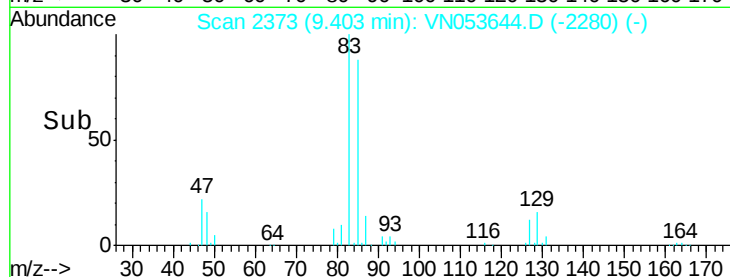
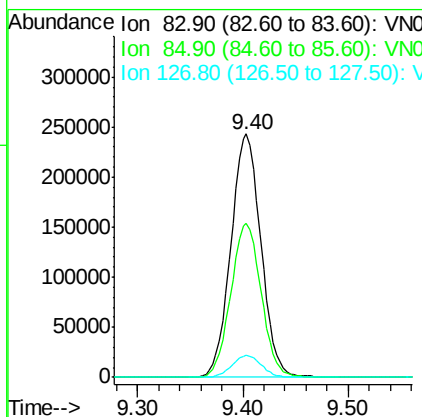
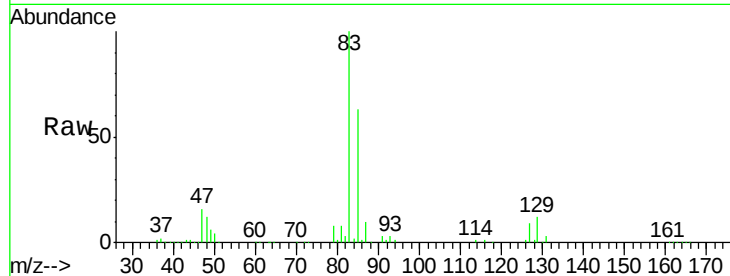
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	479447
Ion Ratio	Lower	Upper	
83	100		
85	63.3	51.0	76.6
127	8.9	7.0	10.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 49.345 ug/l

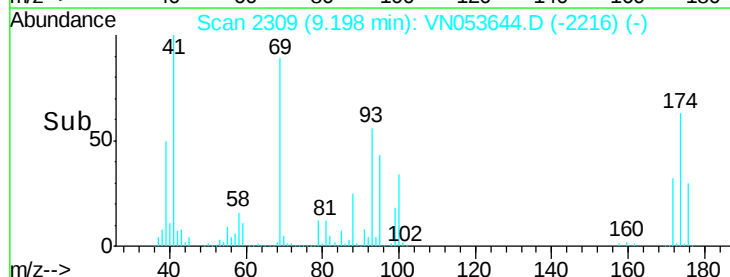
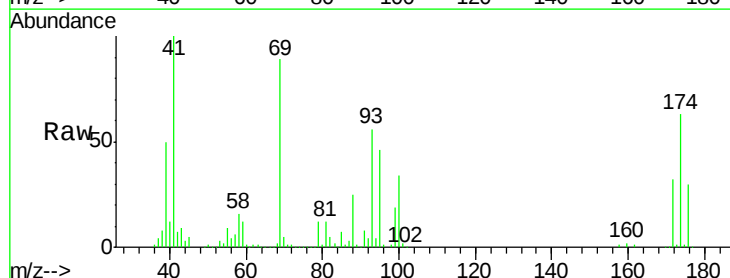
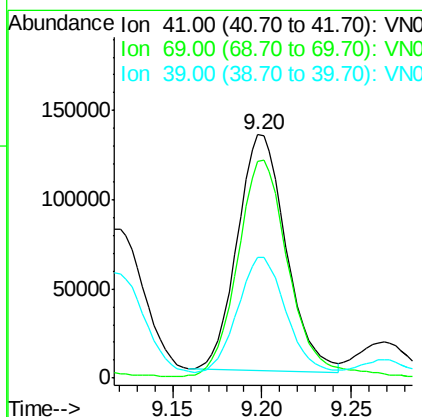
RT: 9.20 min Scan# 2309

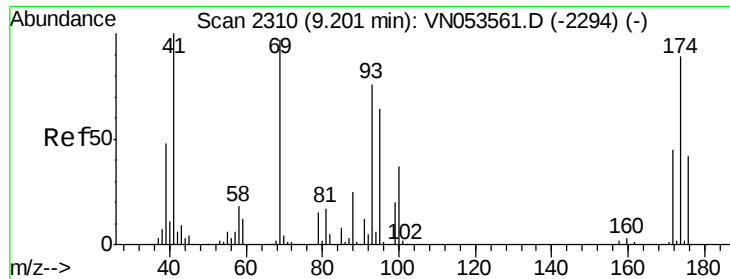
Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

Tgt Ion:	41	Resp:	250823
Ion Ratio	Lower	Upper	
41	100		
69	98.5	73.8	110.6
39	53.6	40.0	60.0





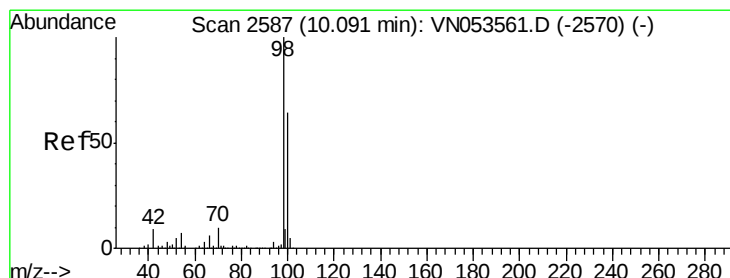
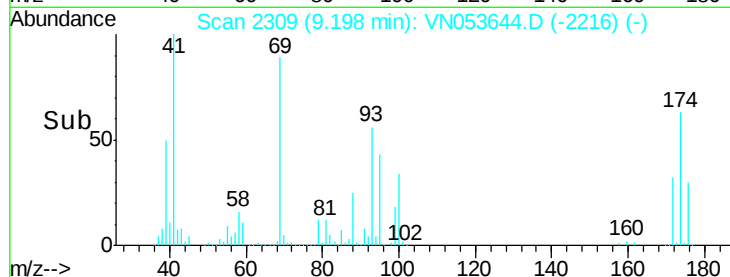
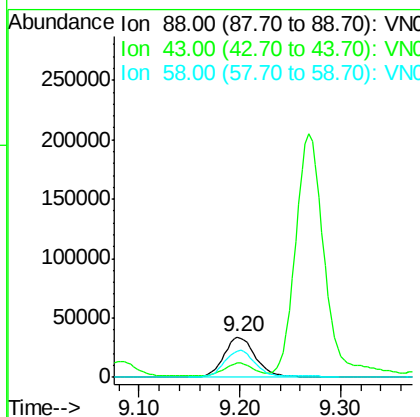
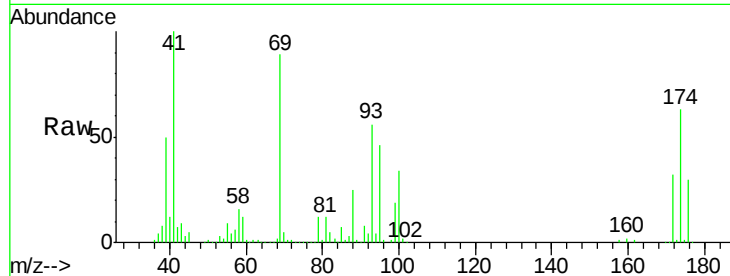
#49
 1,4-Dioxane
 Concen: 1019.515 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN053644.D
 Acq: 6 Feb 2019 19:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	88	Resp	75149
Ion	Ratio	Lower	Upper
88	100		
43	27.7	27.8	41.6#
58	64.7	56.5	84.7

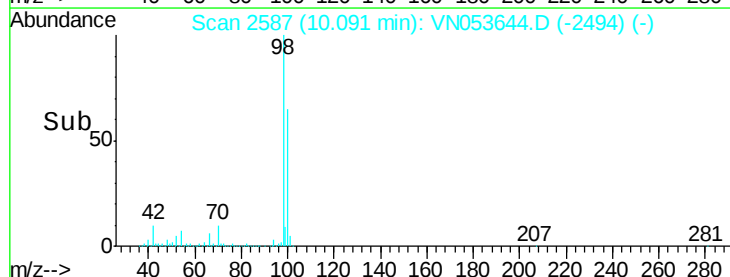
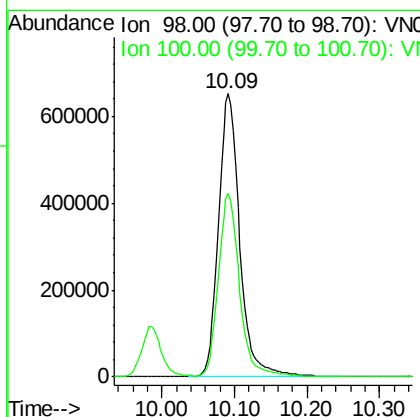
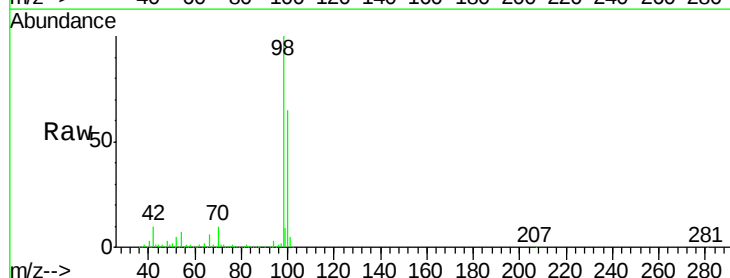
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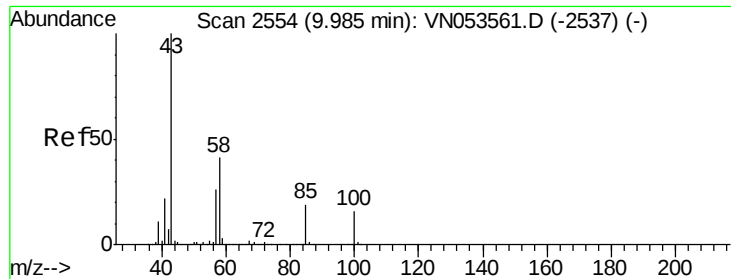
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#50
 Toluene-d8
 Concen: 1019.515 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN053644.D
 Acq: 6 Feb 2019 19:24

Tgt Ion	98	Resp	1325507
Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.4	77.0





#51

4-Methyl-2-Pentanone

Concen: 261.361 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1367639

Ion Ratio Lower Upper

43 100

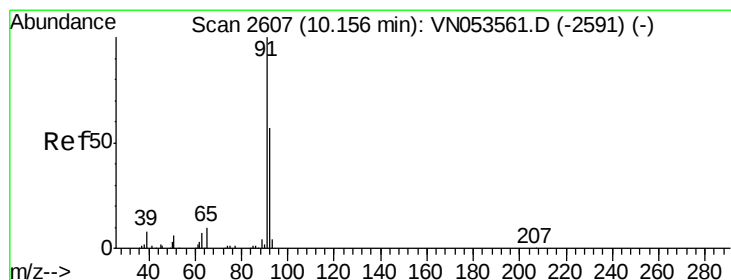
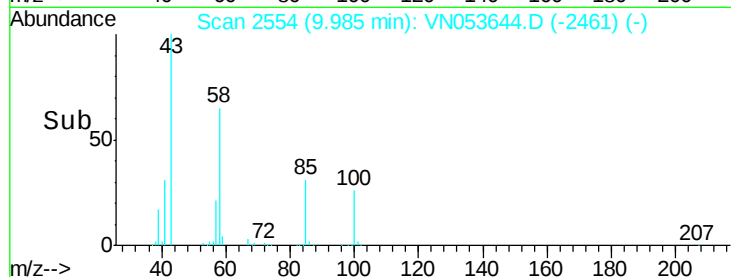
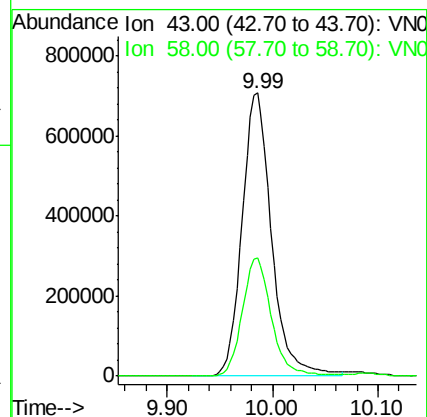
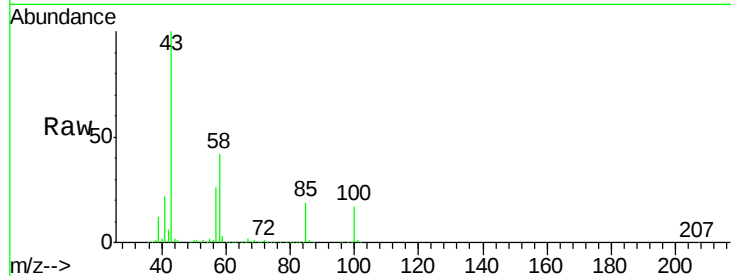
58 41.5 32.8 49.2

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#52

Toluene

Concen: 48.595 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053644.D

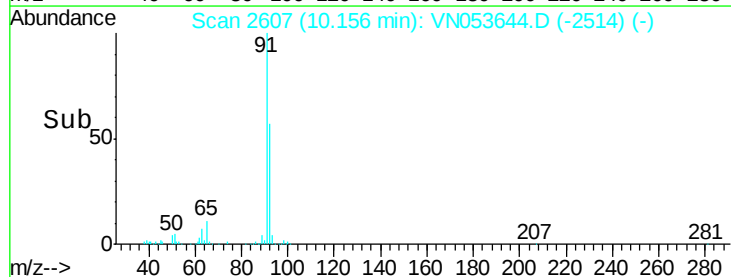
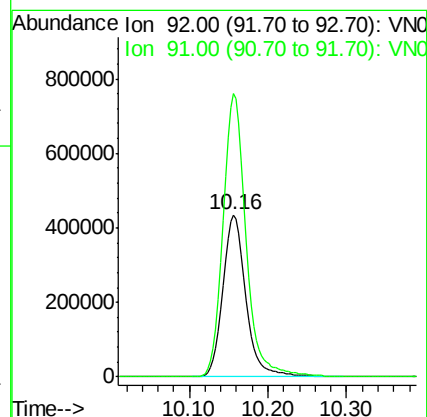
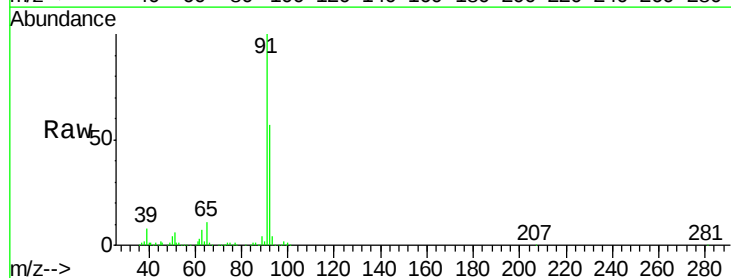
Acq: 6 Feb 2019 19:24

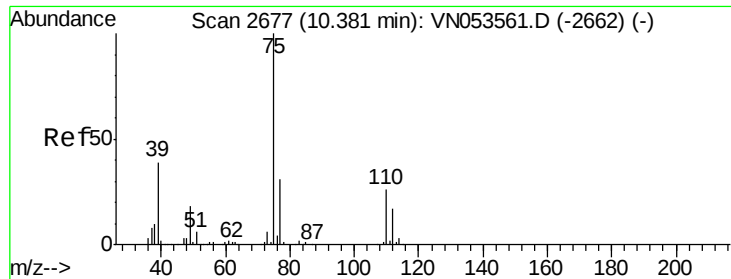
Tgt Ion: 92 Resp: 878056

Ion Ratio Lower Upper

92 100

91 174.6 139.9 209.9





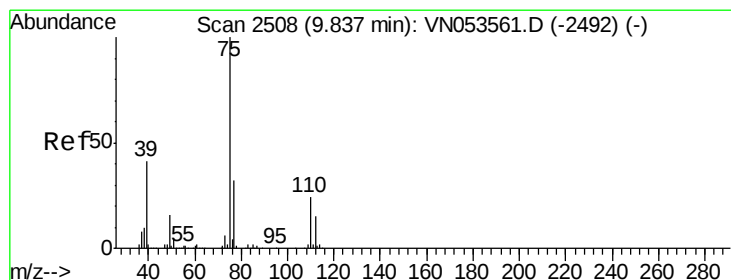
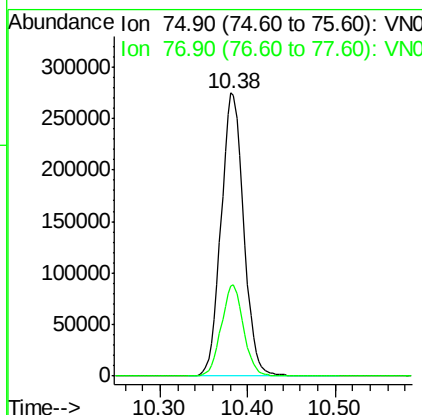
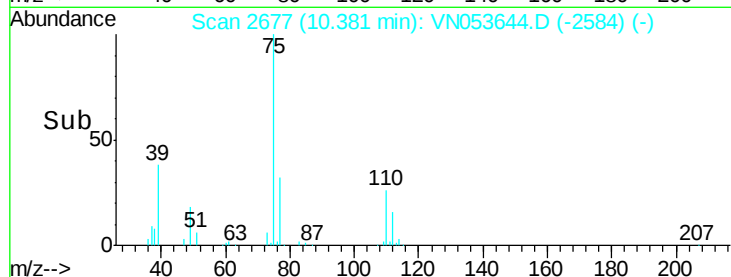
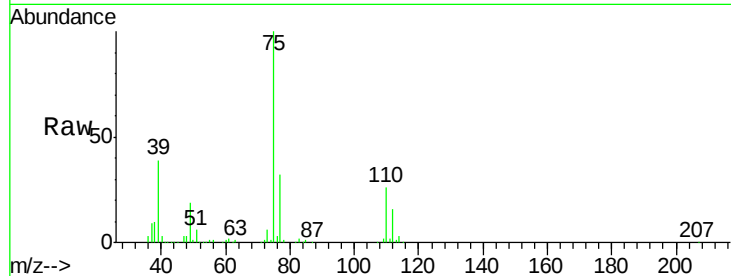
#53
t-1,3-Dichloropropene
Concen: 50.396 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053644.D
Acq: 6 Feb 2019 19:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 492533
Ion Ratio Lower Upper
75 100
77 32.0 25.5 38.3

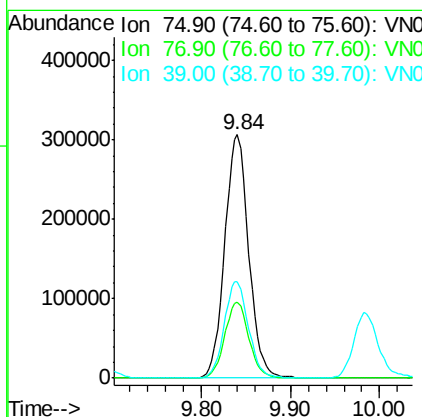
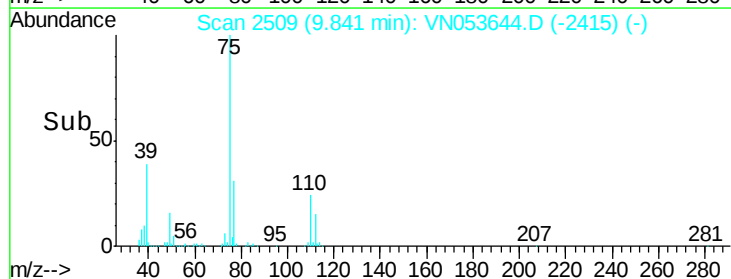
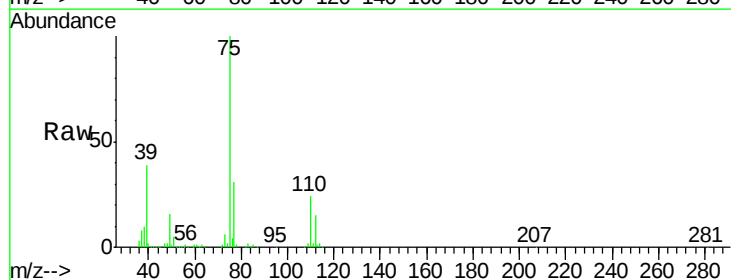
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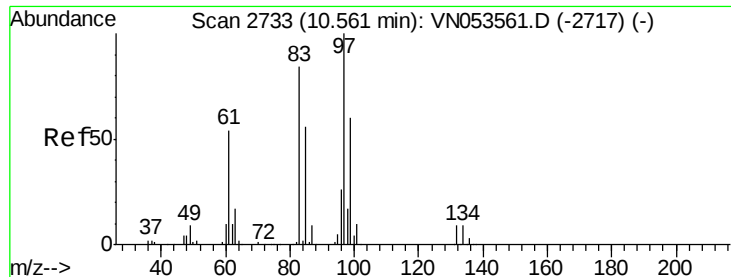
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#54
cis-1,3-Dichloropropene
Concen: 49.095 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053644.D
Acq: 6 Feb 2019 19:24

Tgt Ion: 75 Resp: 568578
Ion Ratio Lower Upper
75 100
77 31.1 25.8 38.6
39 39.4 33.4 50.0





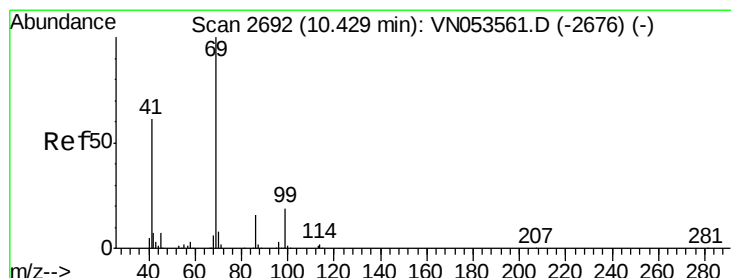
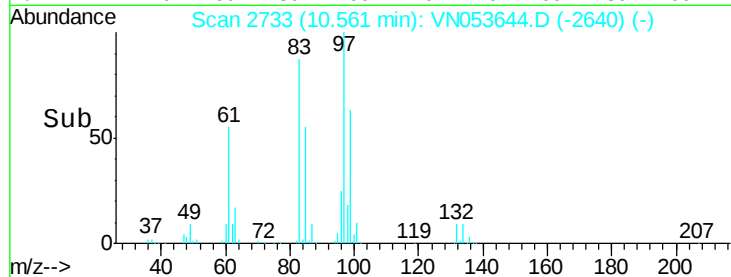
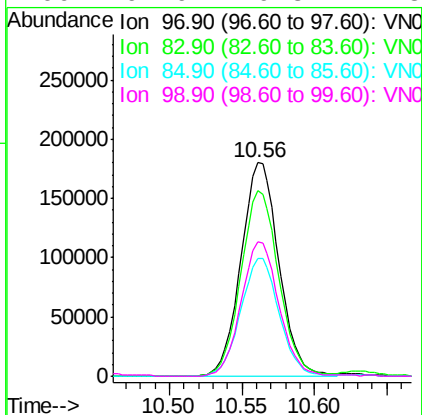
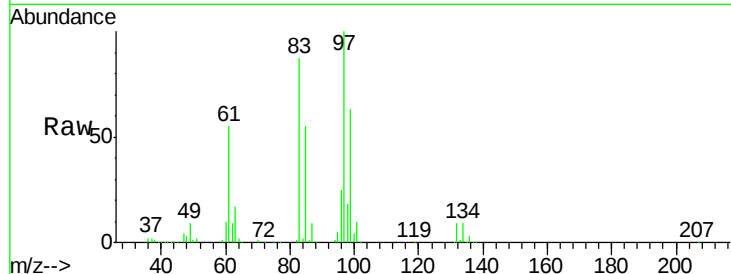
#55
 1,1,2-Trichloroethane
 Concen: 50.443 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053644.D
 Acq: 6 Feb 2019 19:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	328435
Ion	Ratio	Lower	Upper
97	100		
83	86.6	70.1	105.1
85	55.0	45.4	68.0
99	62.6	49.8	74.8

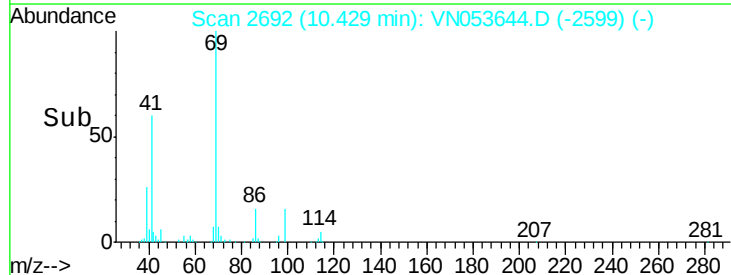
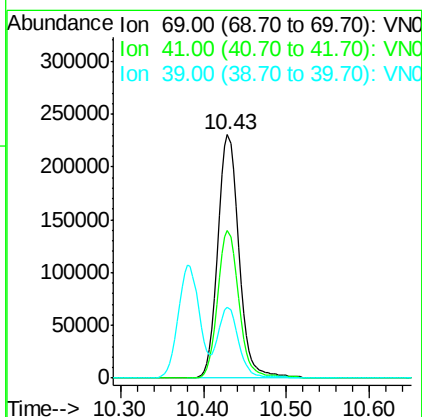
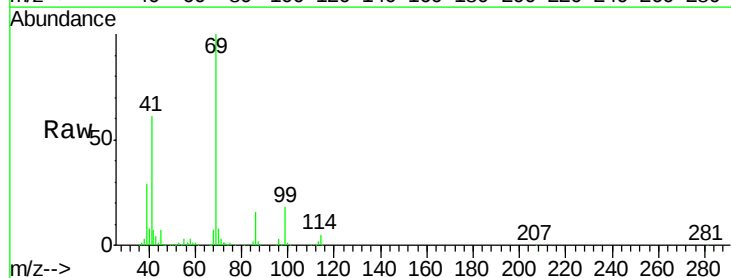
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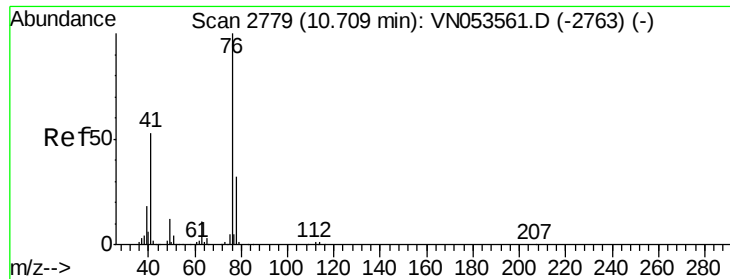
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#56
 Ethyl methacrylate
 Concen: 52.742 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053644.D
 Acq: 6 Feb 2019 19:24

Tgt Ion:	69	Resp:	406246
Ion	Ratio	Lower	Upper
69	100		
41	60.1	49.4	74.0
39	29.1	23.3	34.9





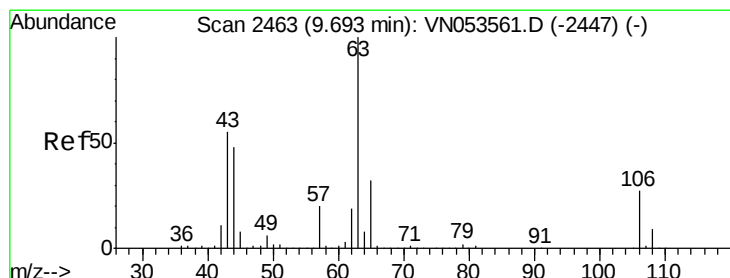
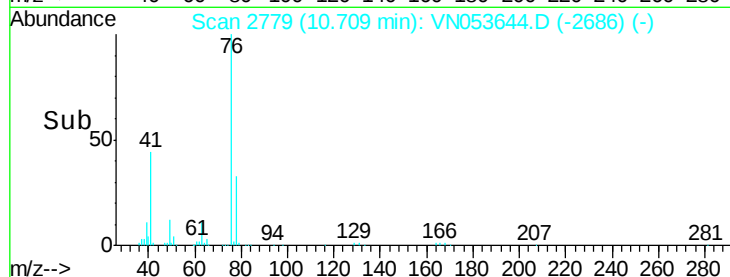
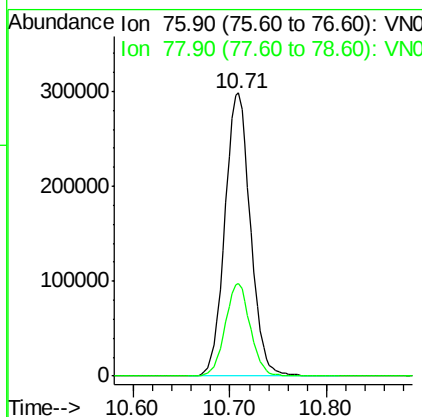
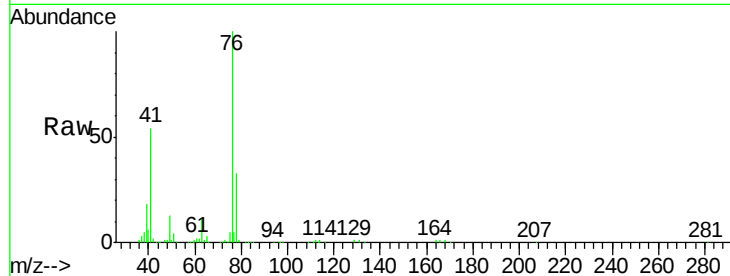
#57
 1,3-Dichloropropane
 Concen: 49.079 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN053644.D
 Acq: 6 Feb 2019 19:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 546129
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.6 38.4

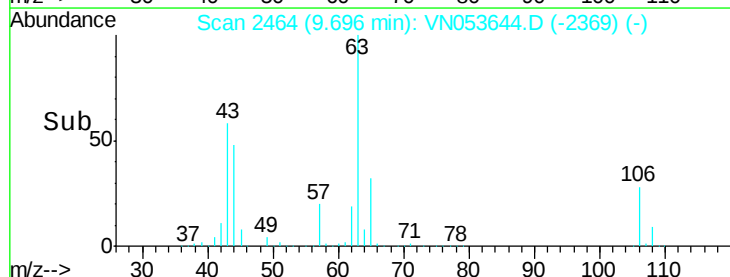
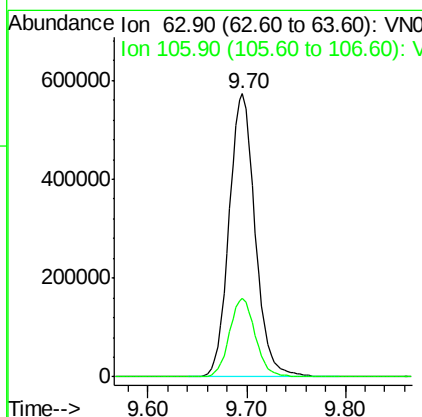
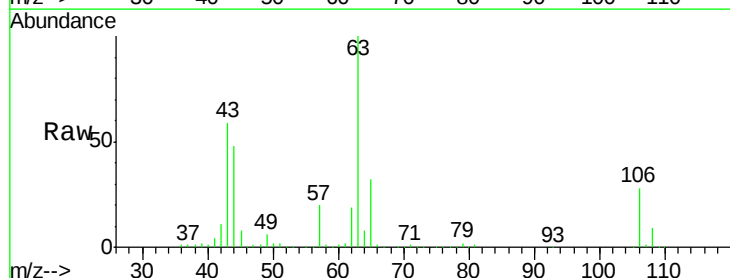
Manual Integrations
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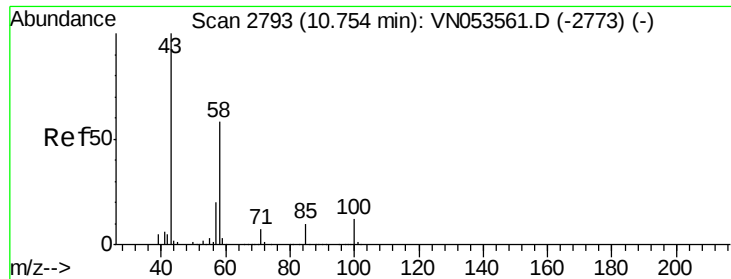
MMDadoda
 2/7/2019 11:04:34 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 221.168 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053644.D
 Acq: 6 Feb 2019 19:24

Tgt Ion: 63 Resp: 1051936
 Ion Ratio Lower Upper
 63 100
 106 27.5 21.5 32.3





#59

2-Hexanone

Concen: 249.360 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 885820

Ion Ratio Lower Upper

43 100

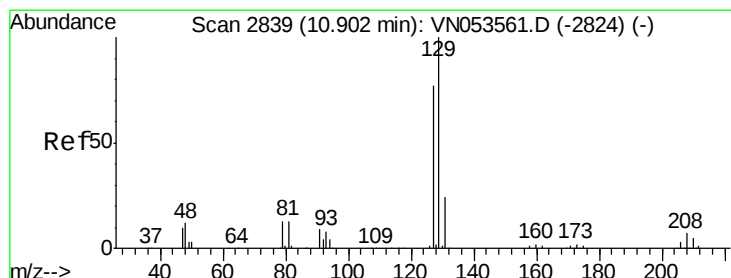
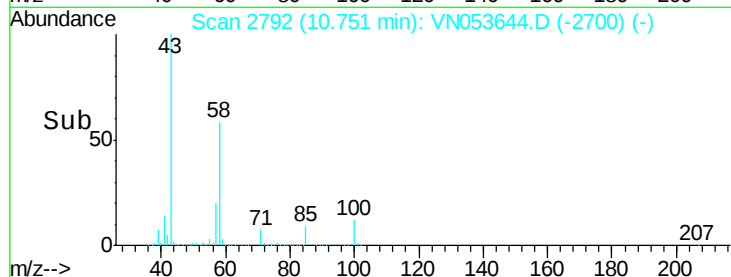
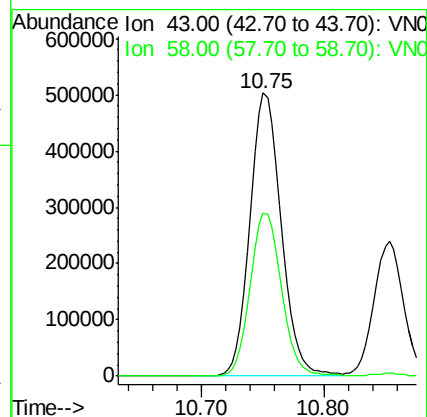
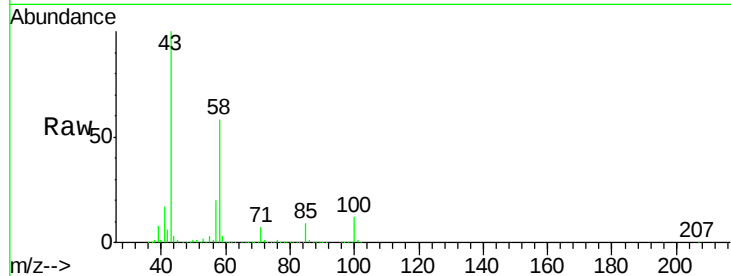
58 57.9 28.6 85.8

Manual Integrations

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#60

Dibromochloromethane

Concen: 50.493 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN053644.D

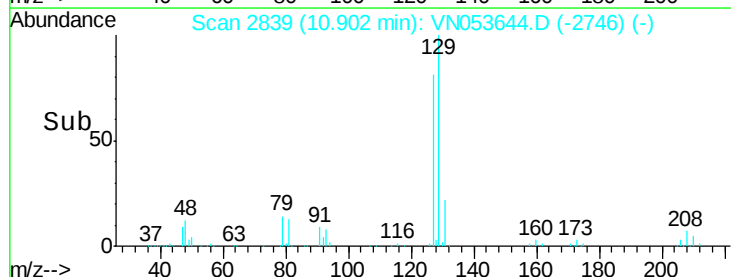
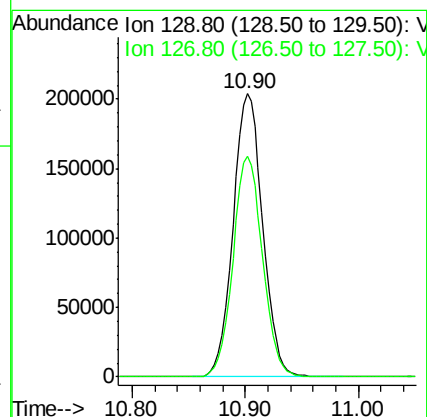
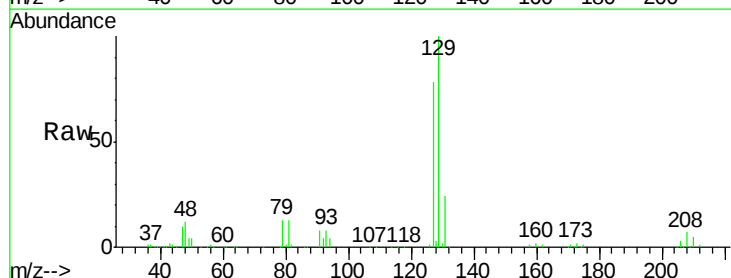
Acq: 6 Feb 2019 19:24

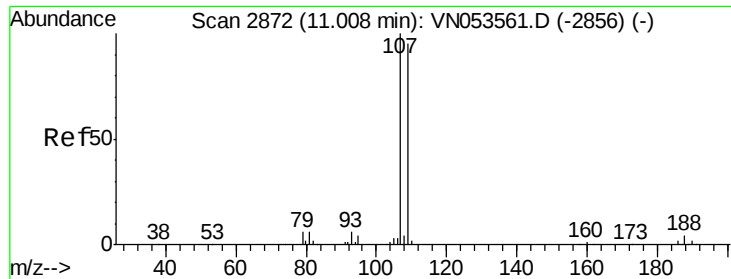
Tgt Ion: 129 Resp: 370730

Ion Ratio Lower Upper

129 100

127 77.7 38.6 115.8





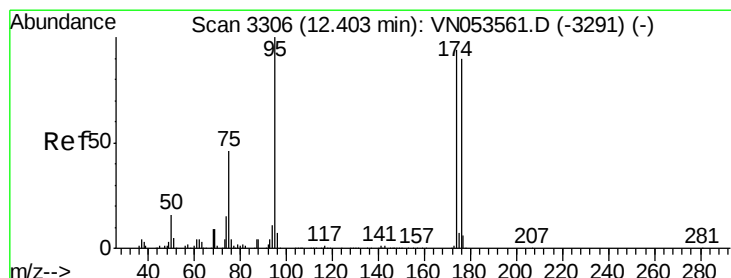
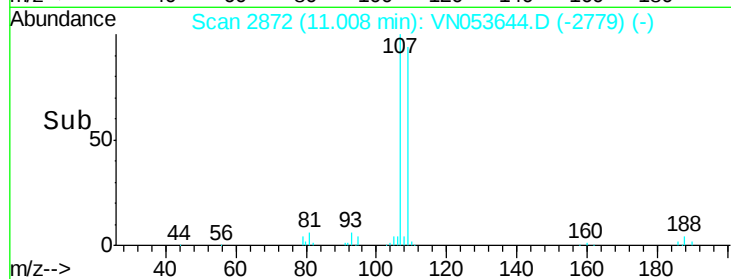
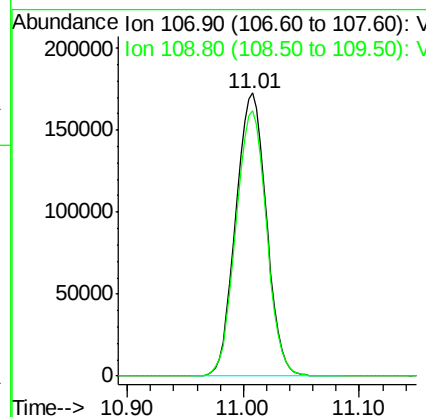
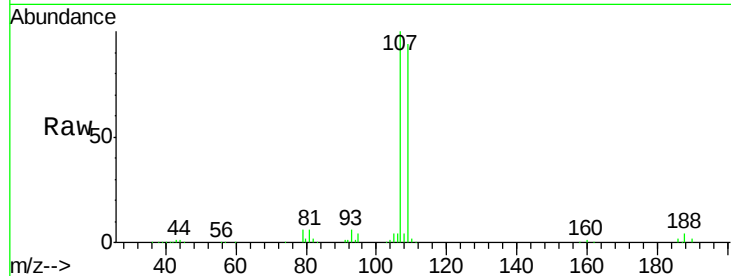
#61
 1,2-Dibromoethane
 Concen: 48.914 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053644.D
 Acq: 6 Feb 2019 19:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.7	113.5

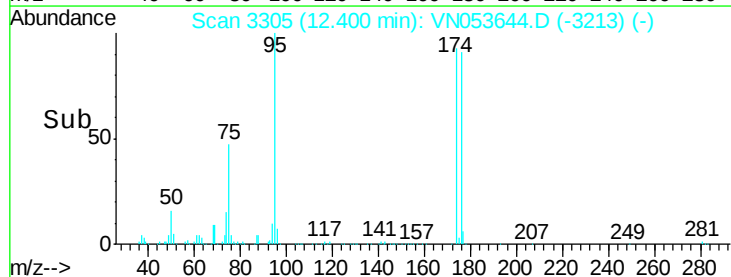
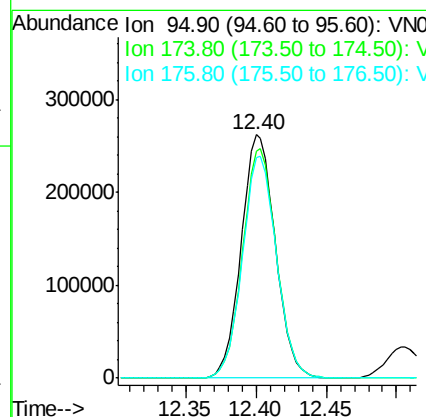
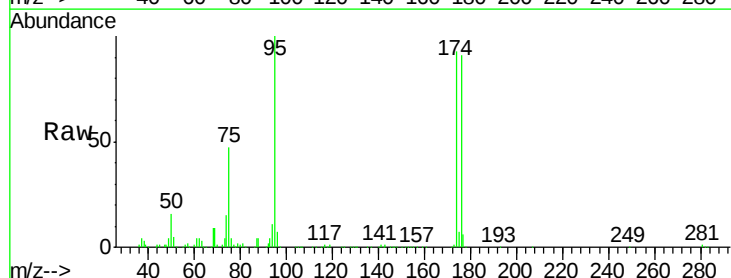
Manual Integrations
 APPROVED

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 2/7/2019 11:04:34 AM



#62
 4-Bromofluorobenzene
 Concen: 48.914 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053644.D
 Acq: 6 Feb 2019 19:24

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.5	0.0	183.2
176	91.2	0.0	177.4





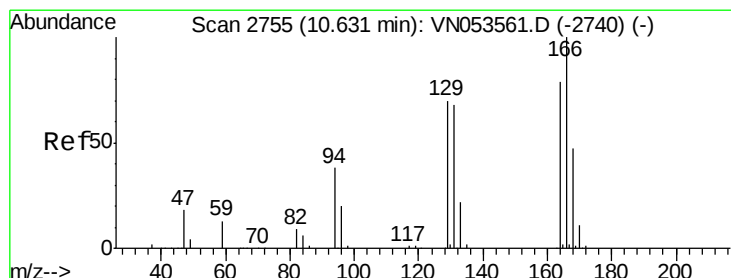
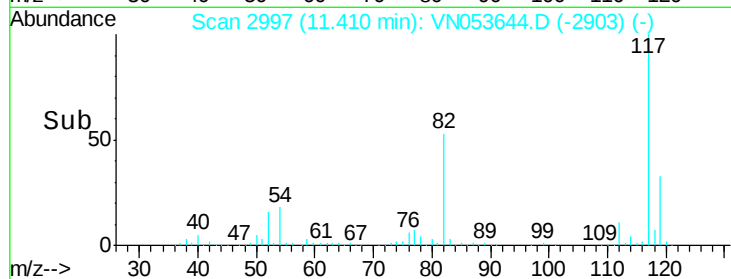
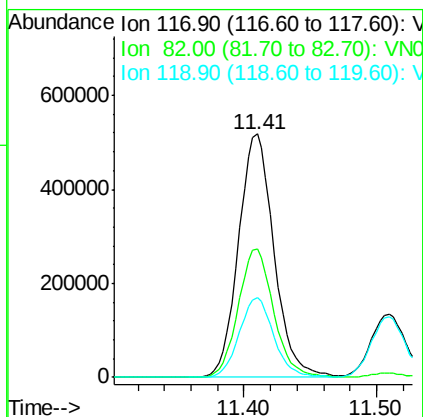
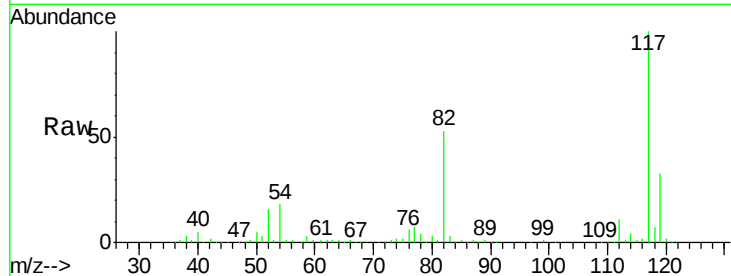
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053644.D
Acq: 6 Feb 2019 19:24

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.5	42.9	64.3
119	32.6	26.0	39.0

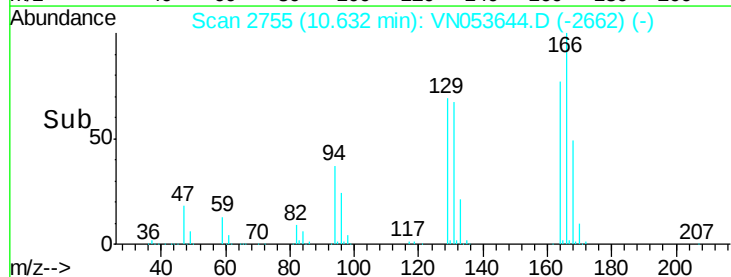
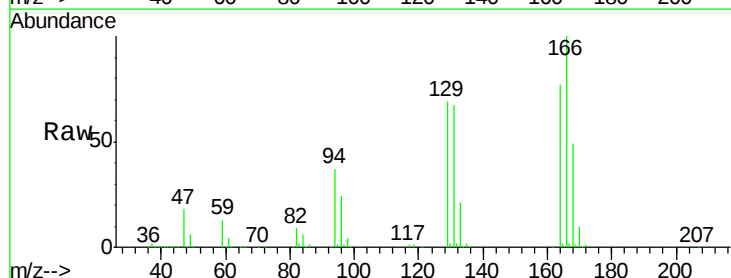
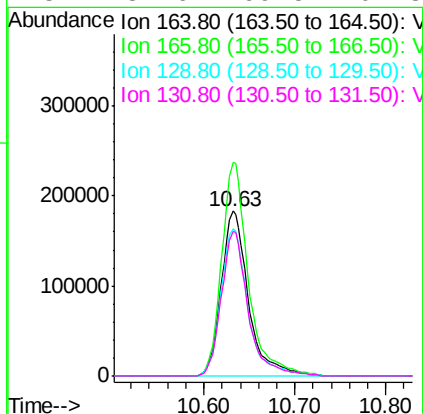
Manual Integrations
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#64
Tetrachloroethene
Concen: 45.893 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053644.D
Acq: 6 Feb 2019 19:24

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.8	102.2	153.4
129	89.8	72.6	109.0
131	87.6	69.5	104.3





#65

Chlorobenzene

Concen: 47.778 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 977698

Ion Ratio Lower Upper

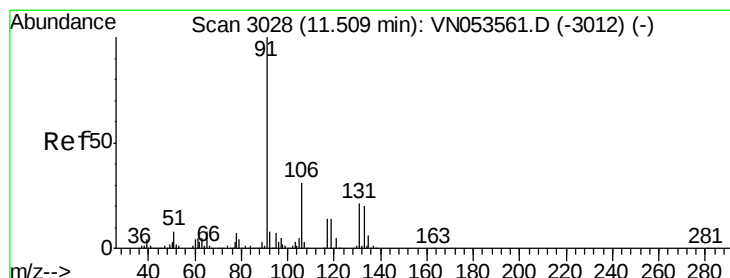
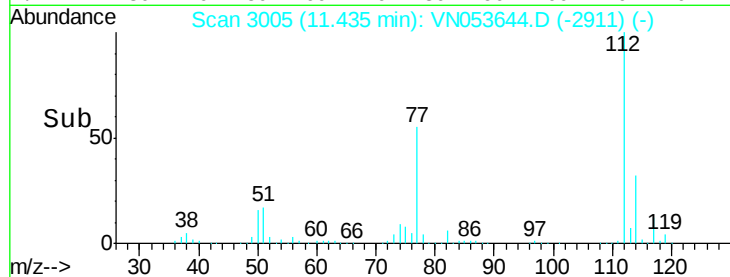
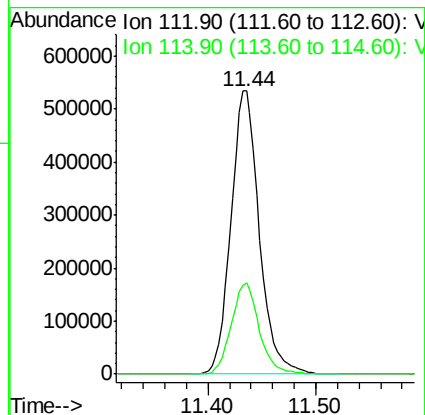
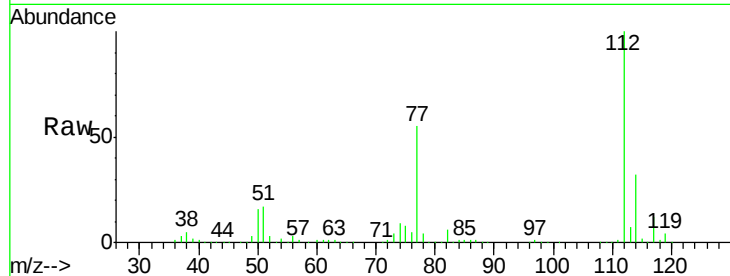
112 100

114 32.2 25.3 37.9

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 50.013 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

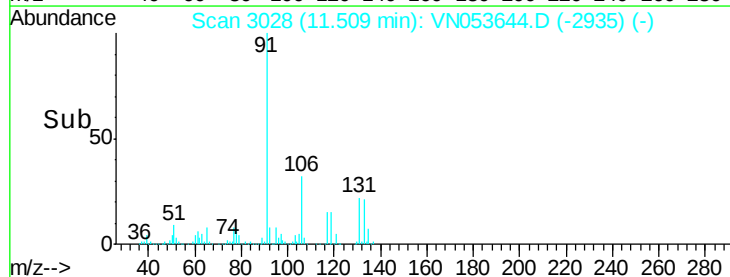
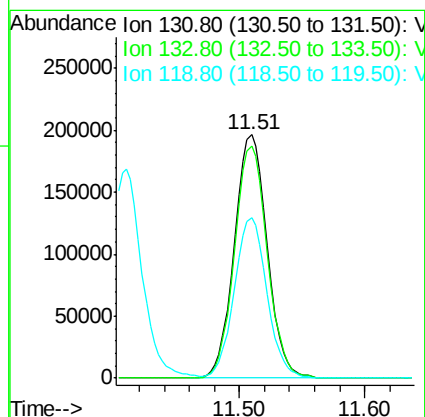
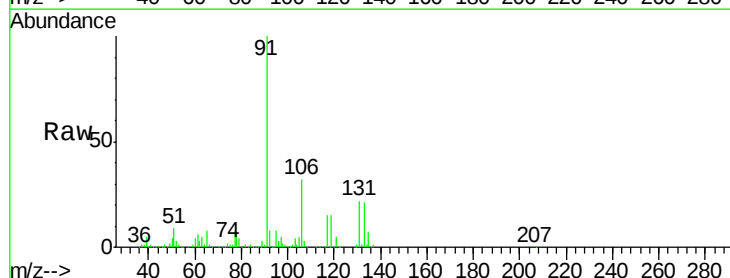
Tgt Ion:131 Resp: 357426

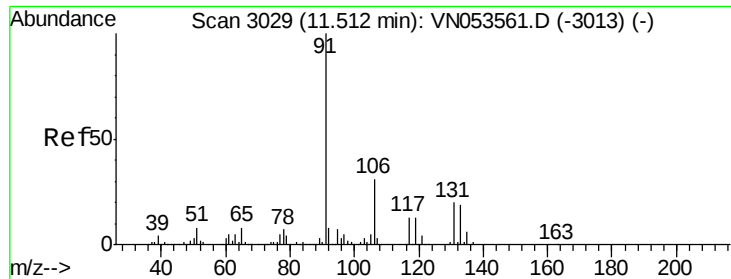
Ion Ratio Lower Upper

131 100

133 95.3 48.0 144.0

119 65.7 33.5 100.5





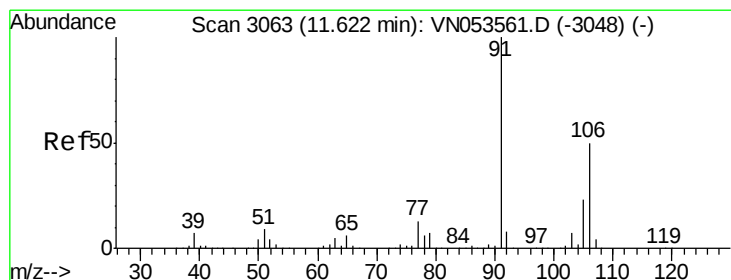
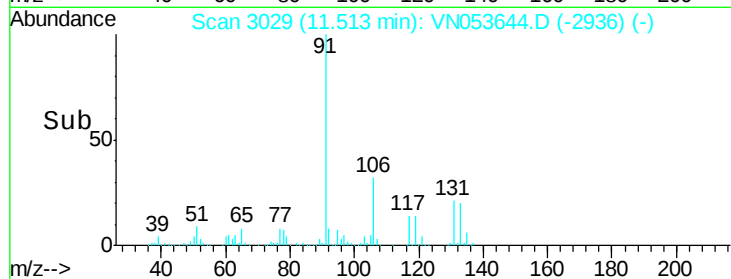
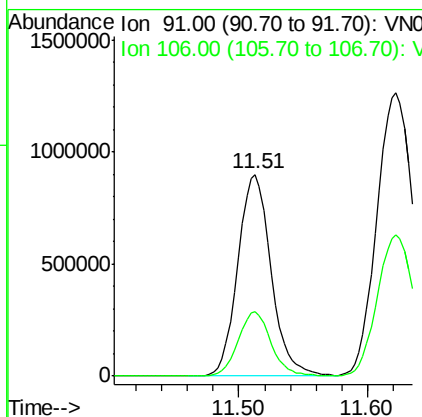
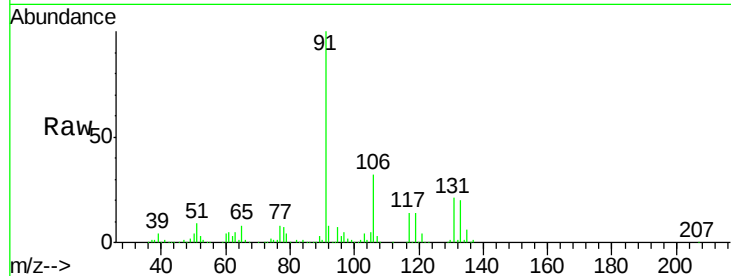
#67
Ethyl Benzene
Concen: 48.148 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053644.D
Acq: 6 Feb 2019 19:24

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 91 Resp: 1618510
Ion Ratio Lower Upper
91 100
106 31.8 25.0 37.6

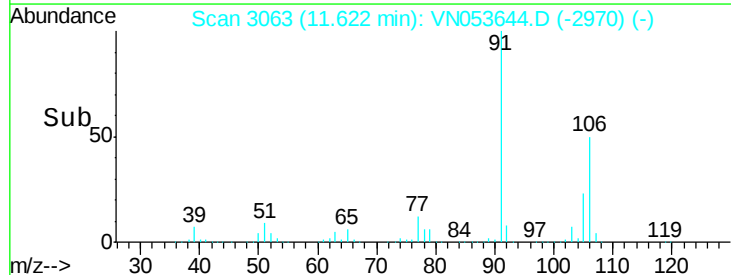
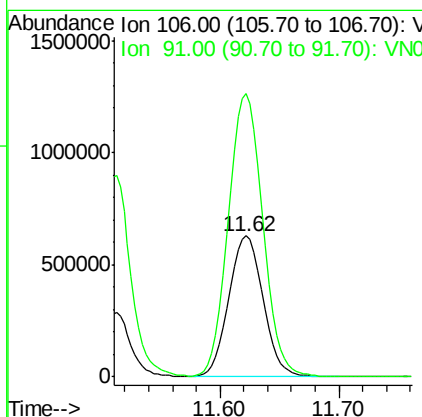
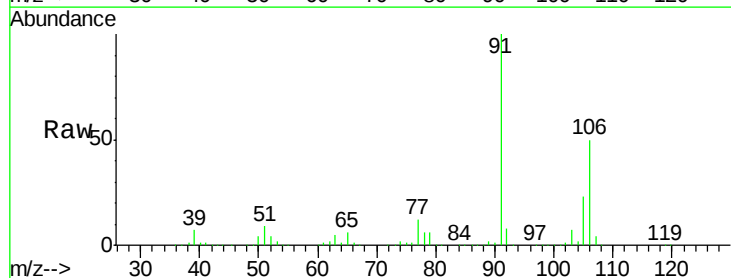
Manual Integrations
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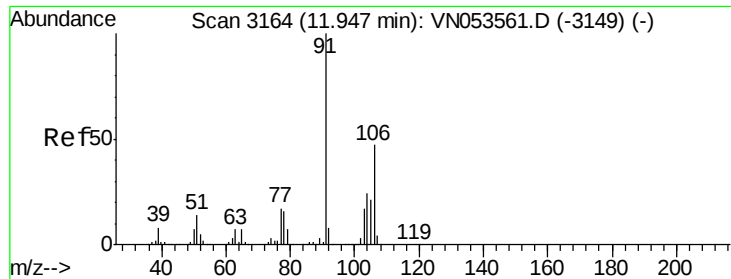
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2/7/2019 11:04:34 AM



#68
m/p-Xylenes
Concen: 98.149 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053644.D
Acq: 6 Feb 2019 19:24

Tgt Ion: 106 Resp: 1259224
Ion Ratio Lower Upper
106 100
91 201.7 161.4 242.2





#69

o-Xylene

Concen: 50.003 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion:106 Resp: 619775

Ion Ratio Lower Upper

106 100

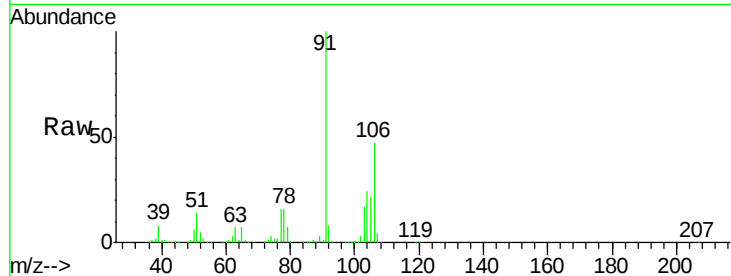
91 211.4 106.9 320.8

Manual Integrations

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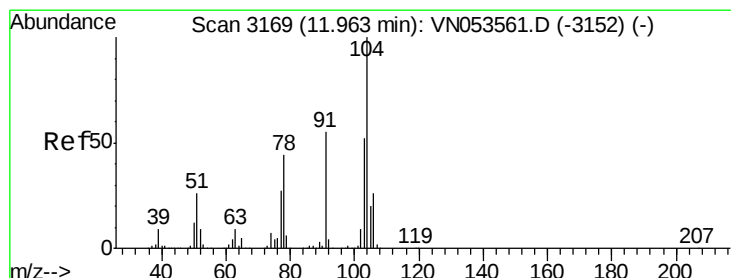
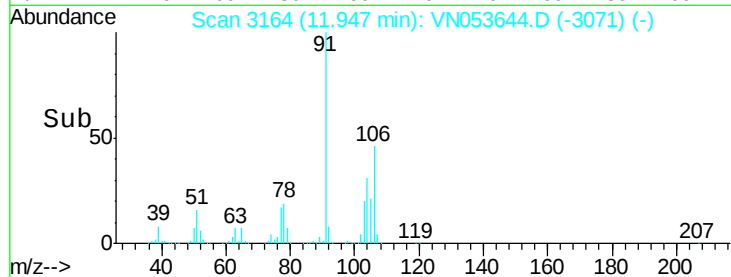
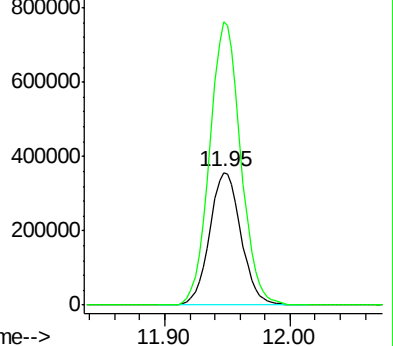
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#70

Styrene

Concen: 50.120 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

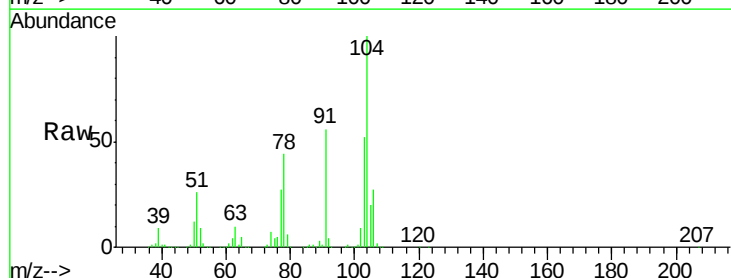
Tgt Ion:104 Resp: 1006893

Ion Ratio Lower Upper

104 100

78 47.9 38.2 57.2

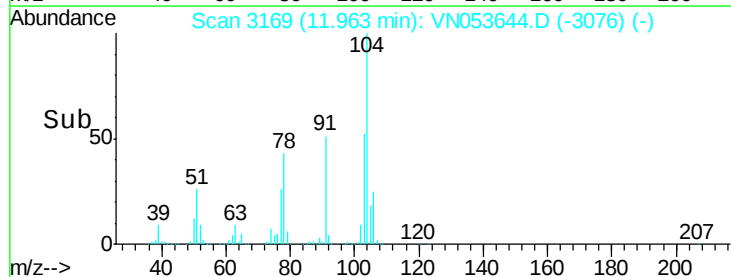
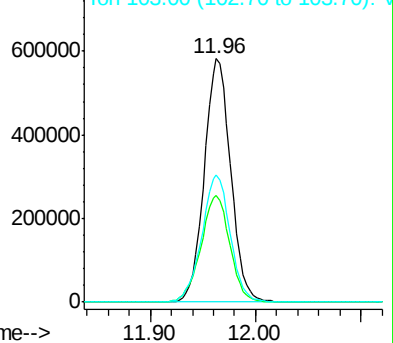
103 56.1 44.4 66.6

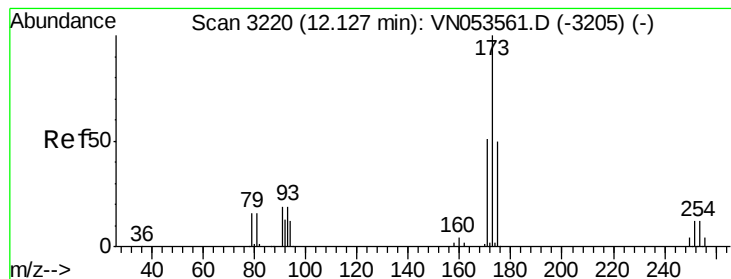


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN0

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 52.620 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

Instrument :

MSVOA_N

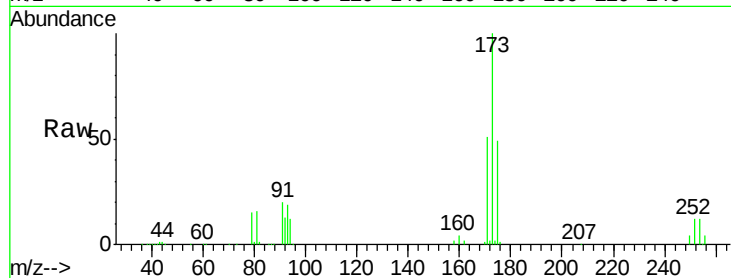
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.6	74.0
254	0.1	0.2	0.2

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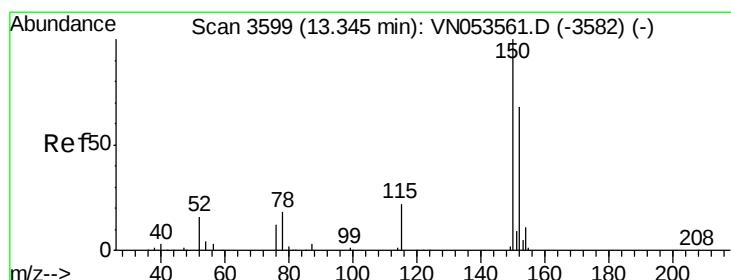
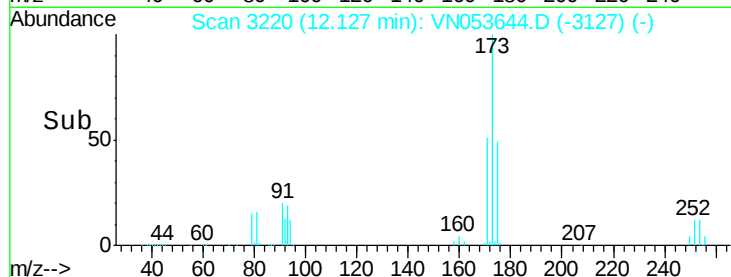
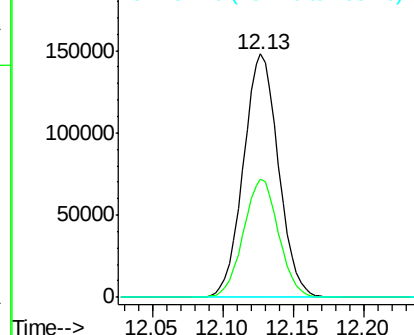


Abundance

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

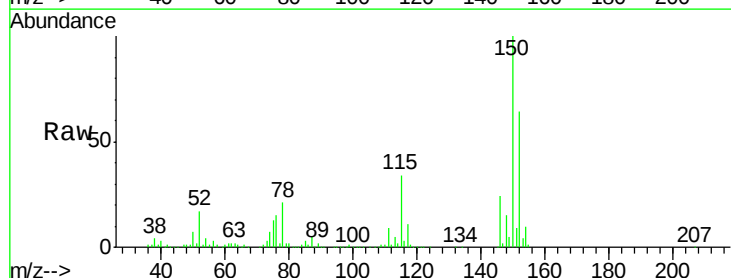
RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.6	27.8	83.4
150	171.2	0.0	349.0

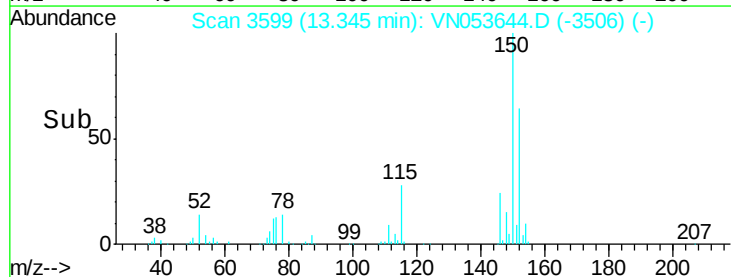
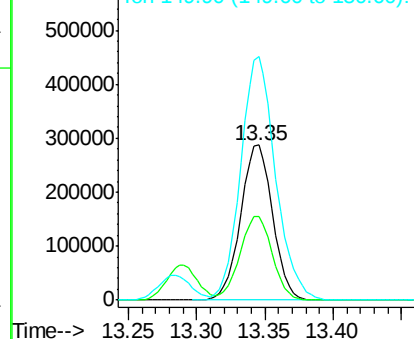


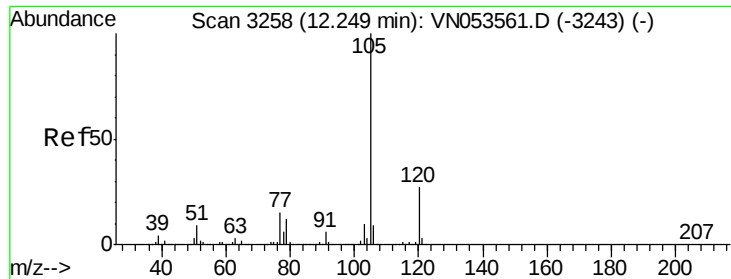
Abundance

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: 48.522 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1593750

Ion Ratio Lower Upper

105 100

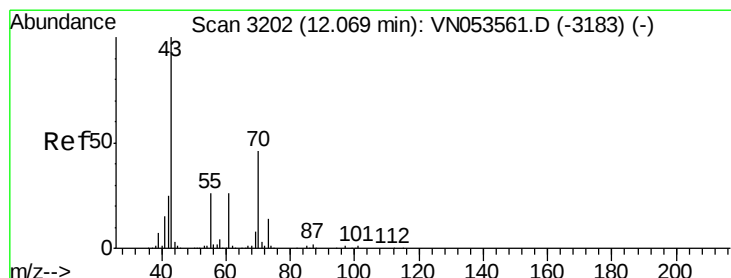
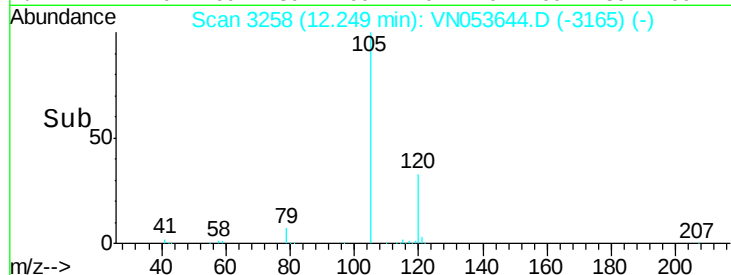
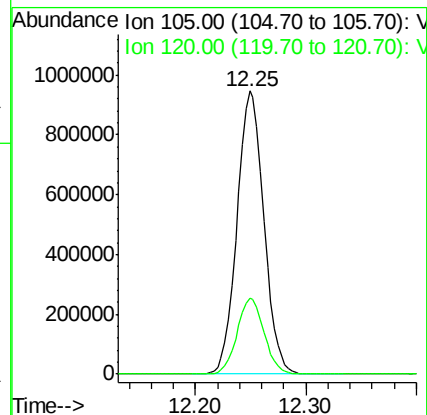
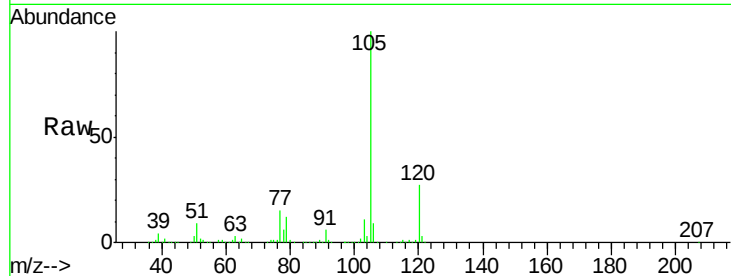
120 27.0 13.6 40.7

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#74

N-ethyl acetate

Concen: 53.490 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

Tgt Ion: 43 Resp: 422482

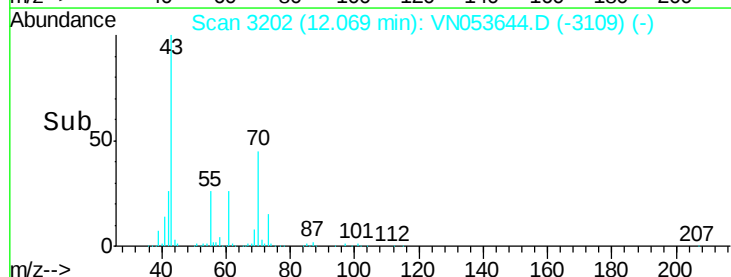
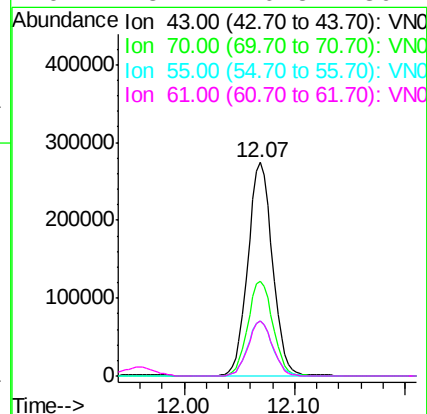
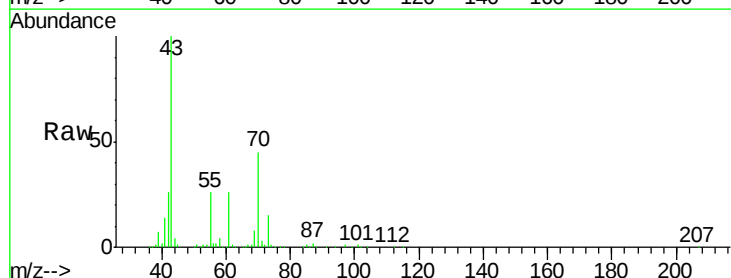
Ion Ratio Lower Upper

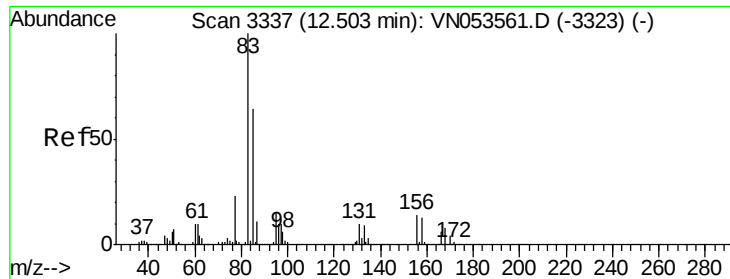
43 100

70 45.5 35.4 53.2

55 26.1 20.9 31.3

61 25.7 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 49.054 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

Instrument :

MSVOA_N

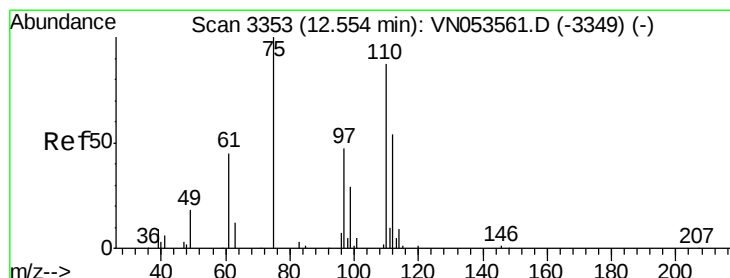
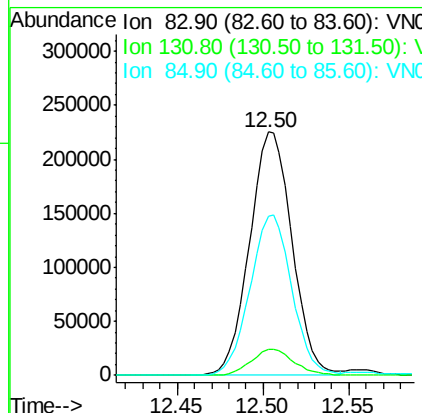
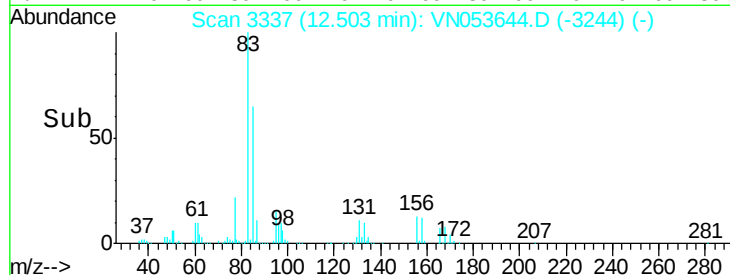
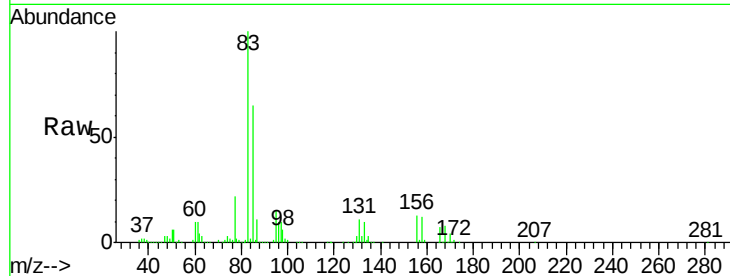
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	385611
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.3	15.8
85	64.8	32.1	96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 53.390 ug/l m

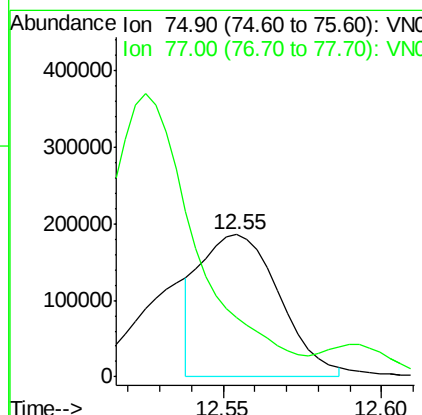
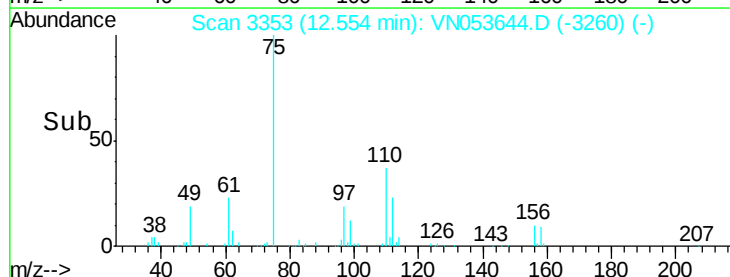
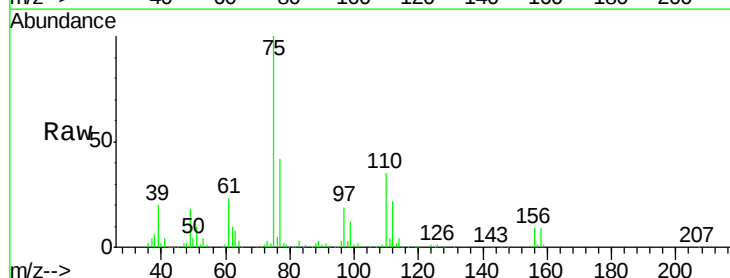
RT: 12.55 min Scan# 3353

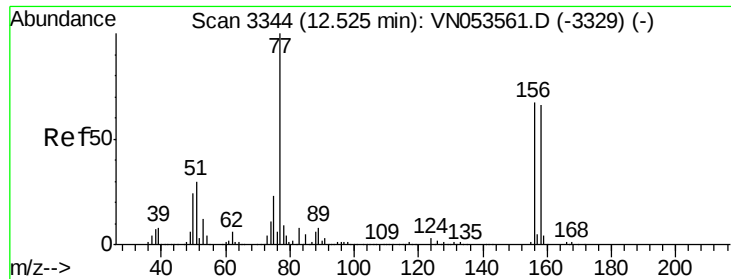
Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

Tgt Ion:	75	Resp:	320414
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.253 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

Instrument :

MSVOA_N

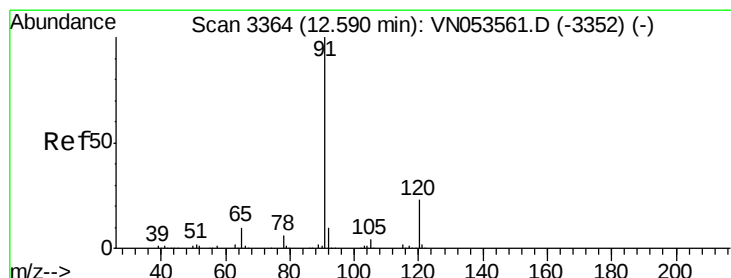
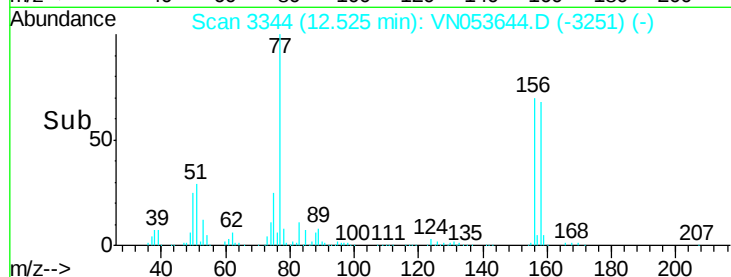
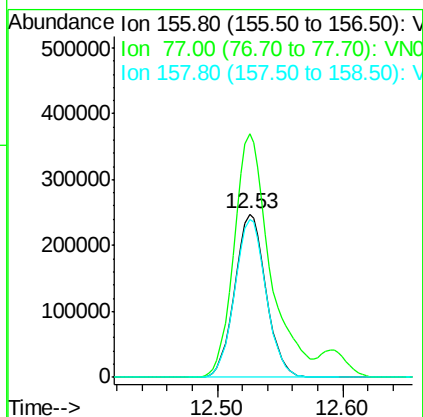
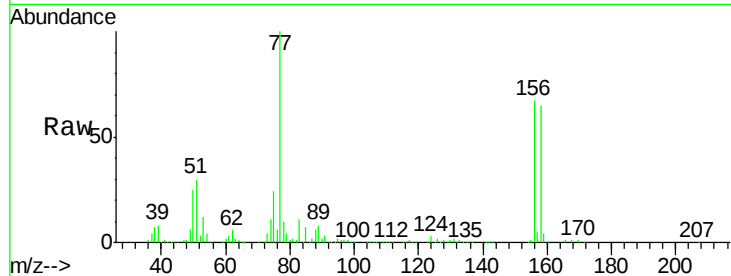
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	427151
Ion Ratio	Lower	Upper	
156	100		
77	172.6	87.9	263.8
158	97.3	48.8	146.4

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#78

n-propylbenzene

Concen: 48.629 ug/l

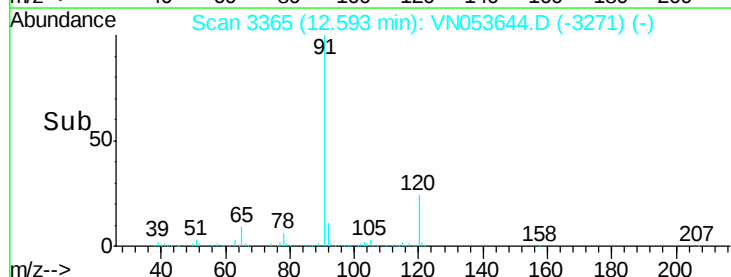
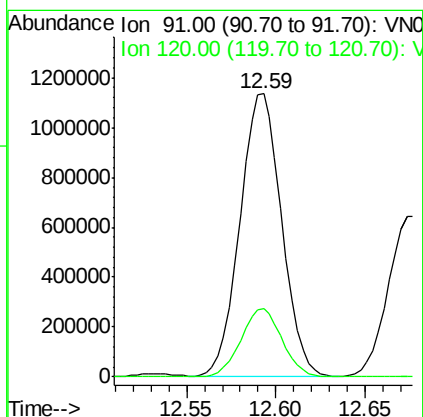
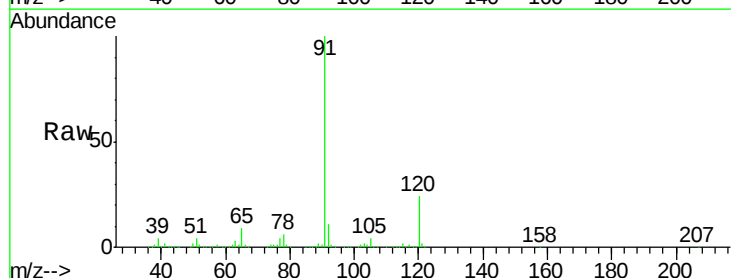
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

Tgt Ion:	91	Resp:	1846470
Ion Ratio	Lower	Upper	
91	100		
120	23.8	11.9	35.5





#79

2-Chlorotoluene

Concen: 48.593 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 1094665

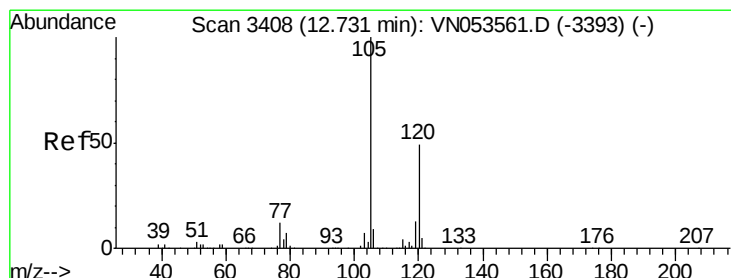
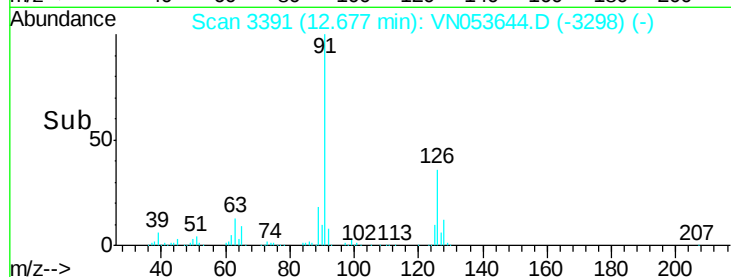
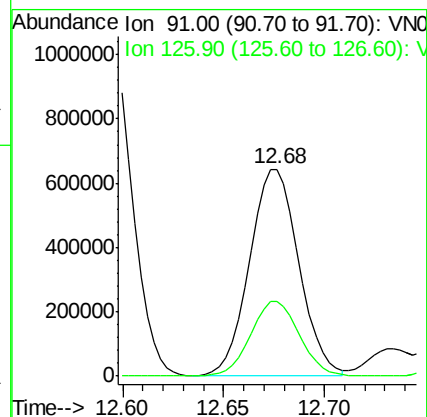
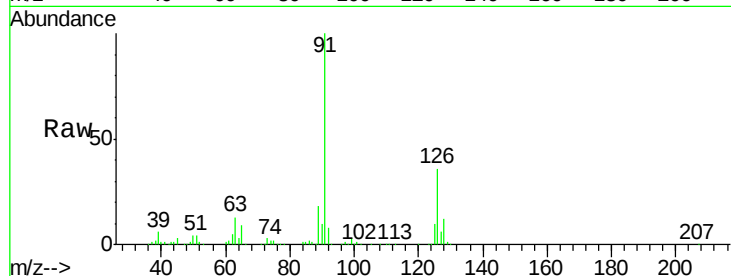
Ion Ratio Lower Upper

91 100

126 36.1 17.9 53.7

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#80

1,3,5-Trimethylbenzene

Concen: 50.606 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053644.D

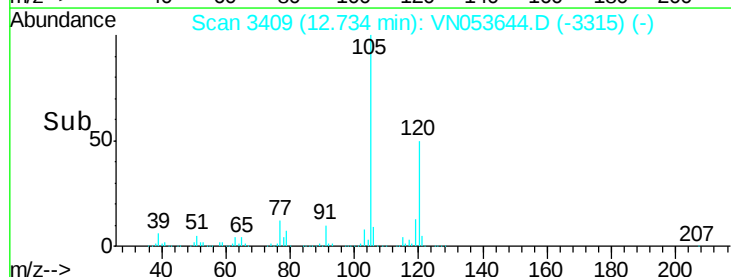
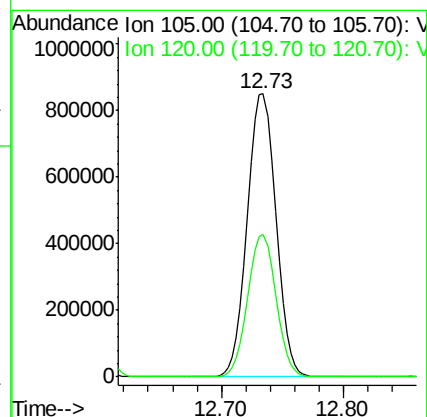
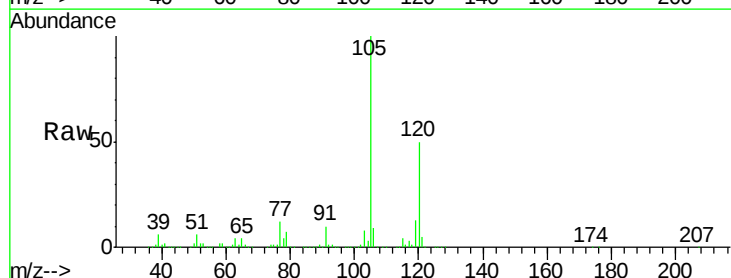
Acq: 6 Feb 2019 19:24

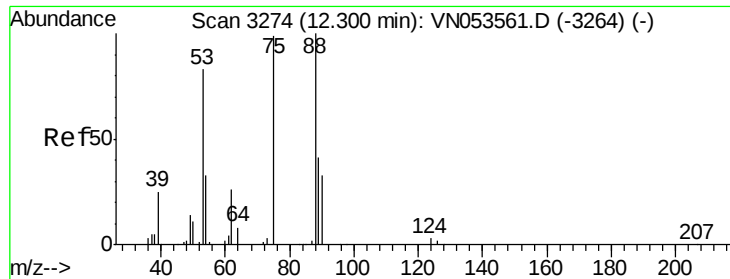
Tgt Ion: 105 Resp: 1378375

Ion Ratio Lower Upper

105 100

120 49.7 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 50.292 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

Instrument :

MSVOA_N

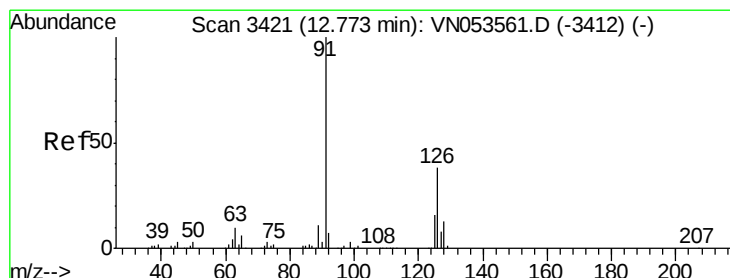
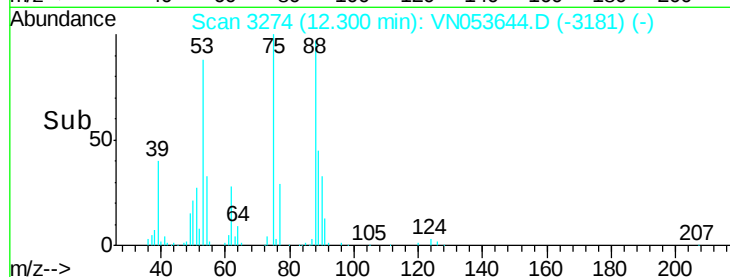
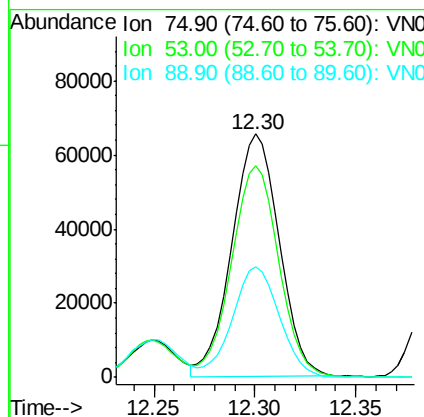
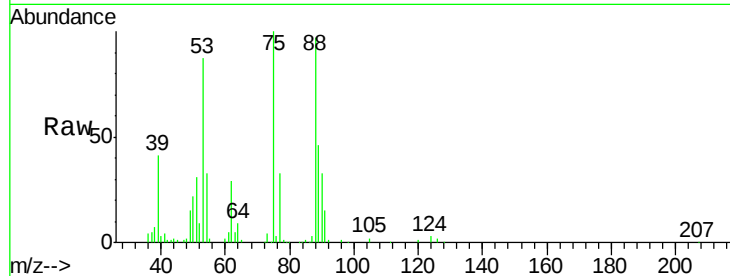
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	107335
Ion Ratio	Lower	Upper	
75	100		
53	88.1	69.8	104.6
89	45.5	35.6	53.4

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#82

4-Chlorotoluene

Concen: 47.751 ug/l

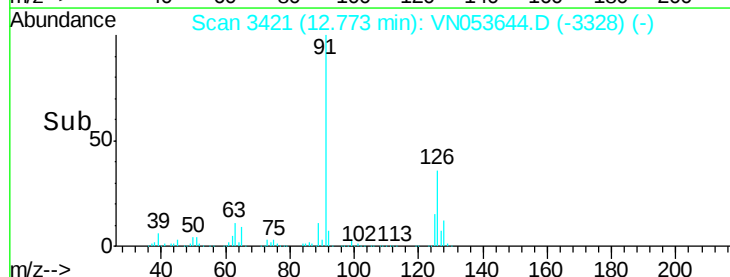
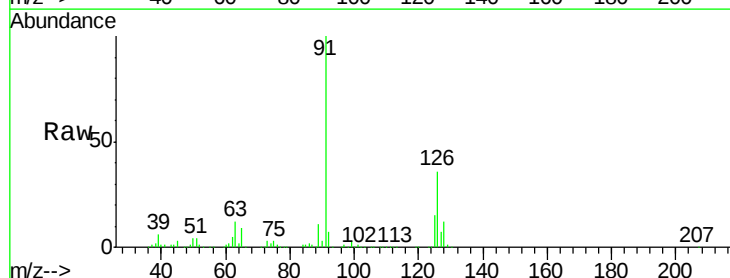
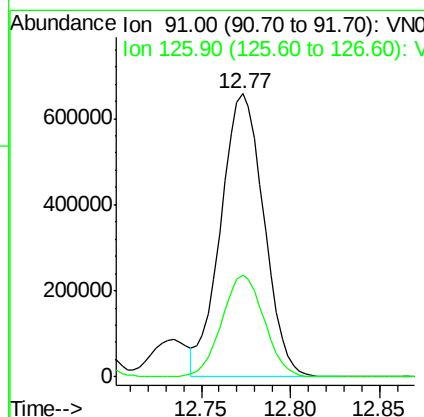
RT: 12.77 min Scan# 3421

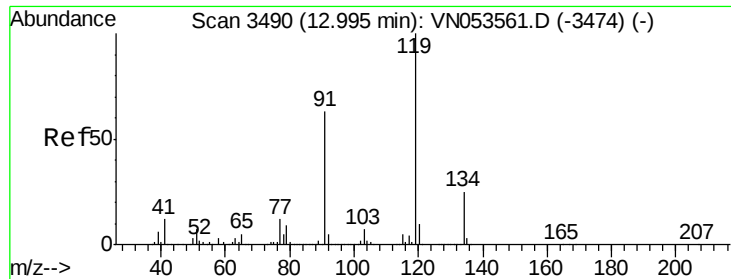
Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

Tgt Ion:	91	Resp:	1103818
Ion Ratio	Lower	Upper	
91	100		
126	35.4	17.6	52.9





#83

tert-Butylbenzene

Concen: 50.350 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:119 Resp: 1212084

Ion Ratio Lower Upper

119 100

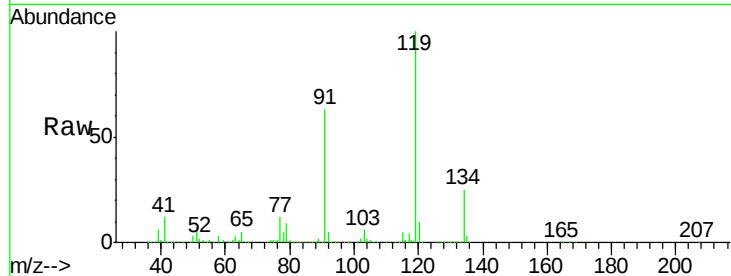
91 62.0 31.3 93.8

134 26.2 12.9 38.7

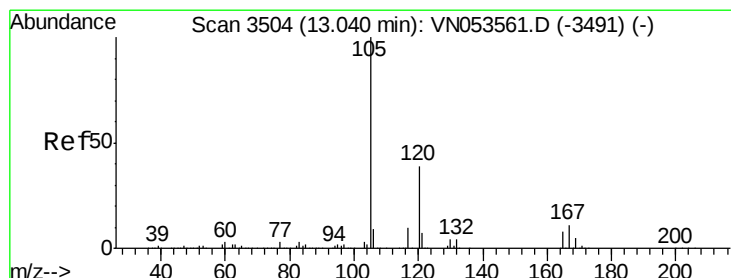
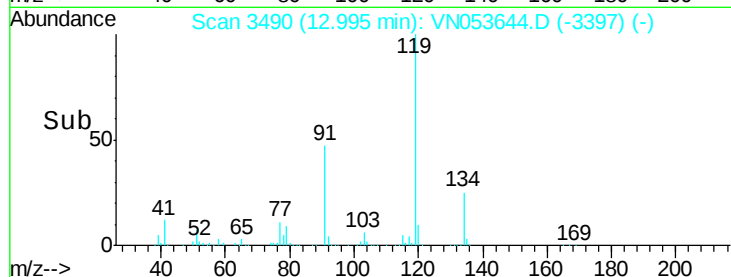
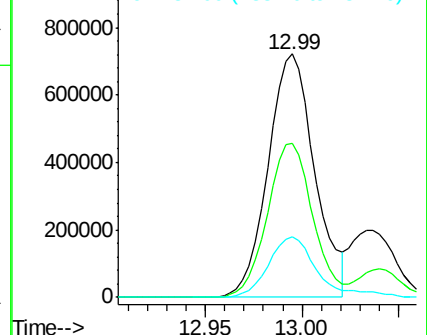
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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 50.740 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN053644.D

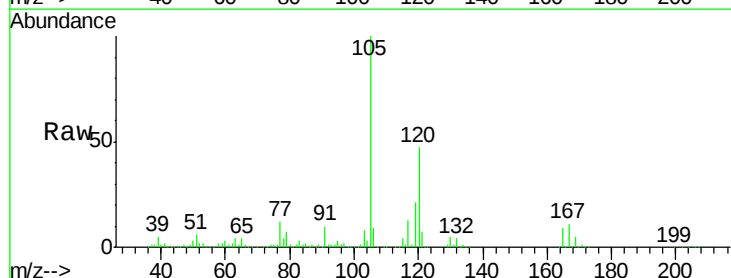
Acq: 6 Feb 2019 19:24

Tgt Ion:105 Resp: 1408035

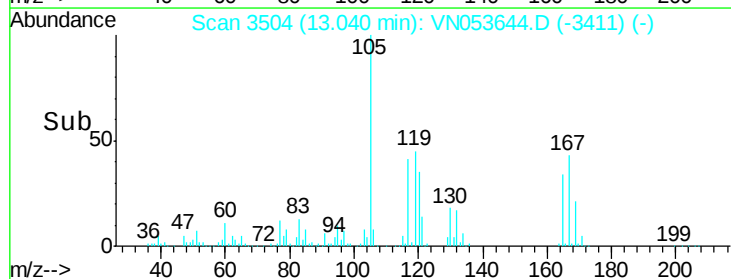
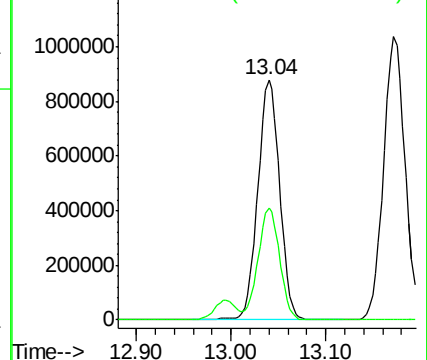
Ion Ratio Lower Upper

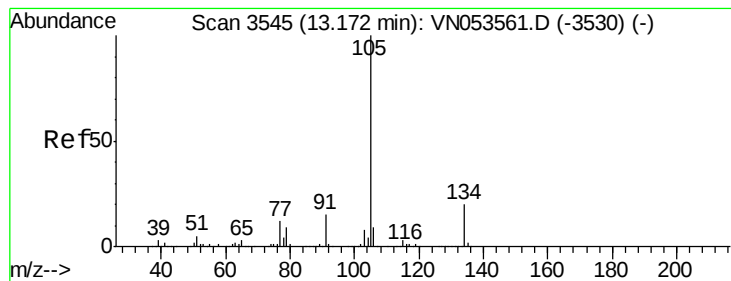
105 100

120 46.3 23.0 69.0



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





#85

sec-Butylbenzene

Concen: 49.728 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1629041

Ion Ratio Lower Upper

105 100

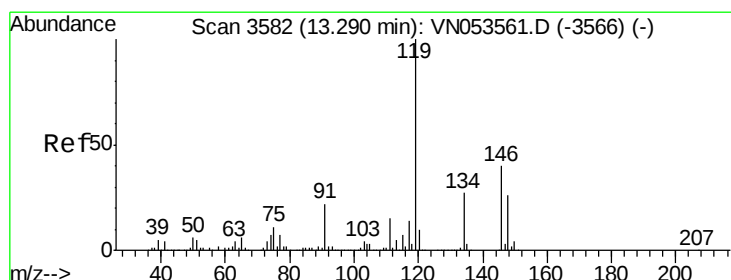
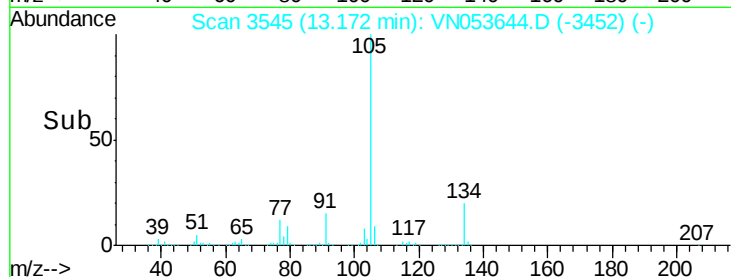
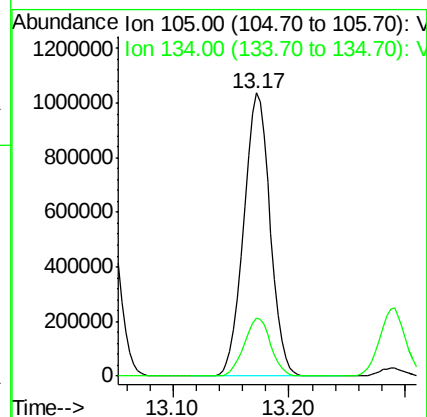
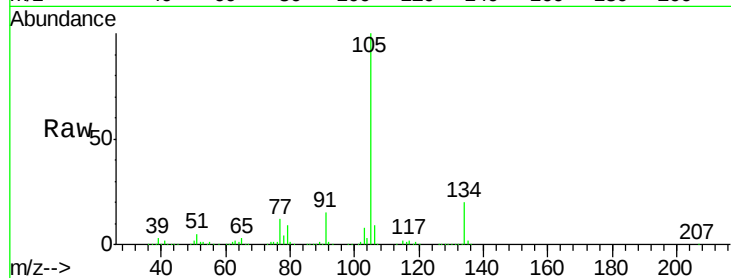
134 20.7 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 49.930 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

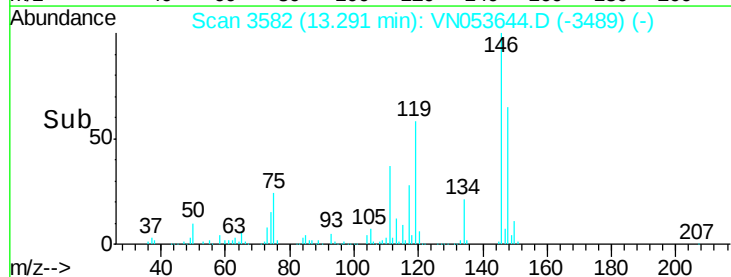
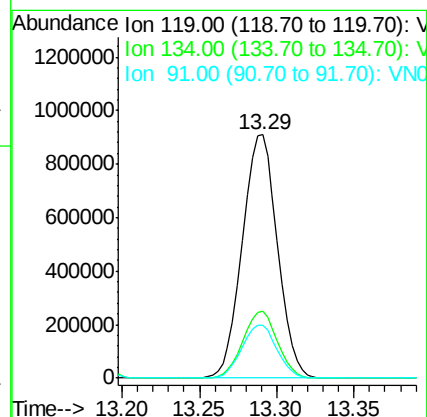
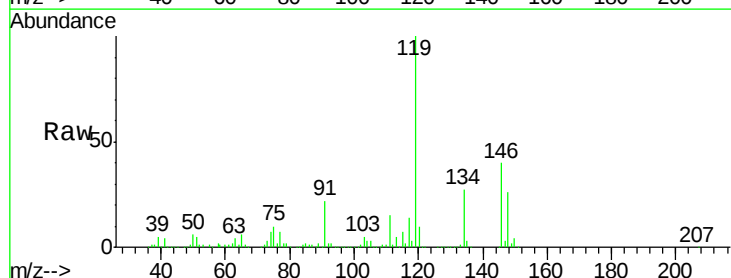
Tgt Ion:119 Resp: 1430504

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

91 21.9 11.0 33.0





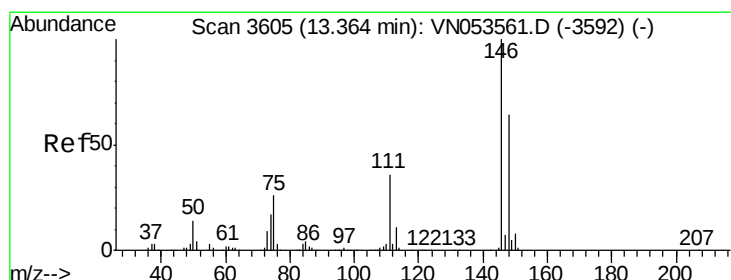
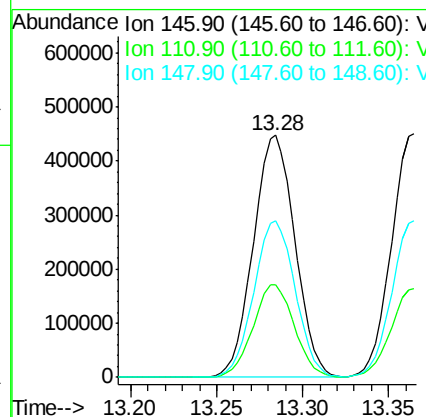
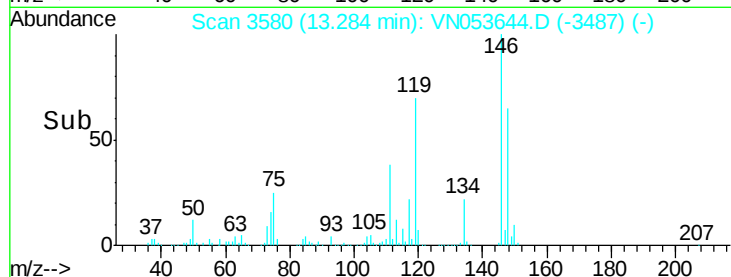
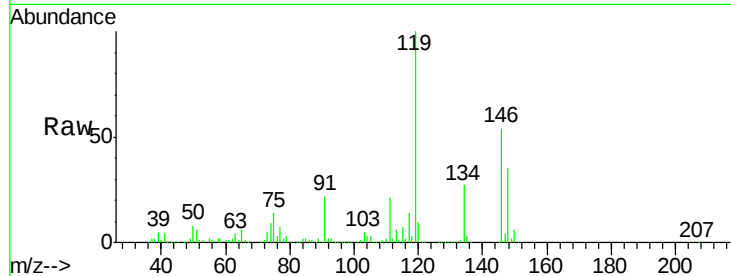
#87
 1,3-Dichlorobenzene
 Concen: 47.303 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053644.D
 Acq: 6 Feb 2019 19:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.8	56.3
148	64.3	32.0	96.2

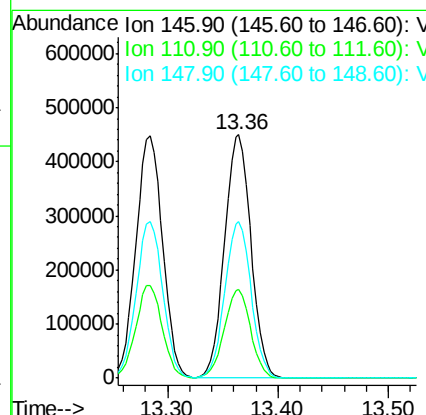
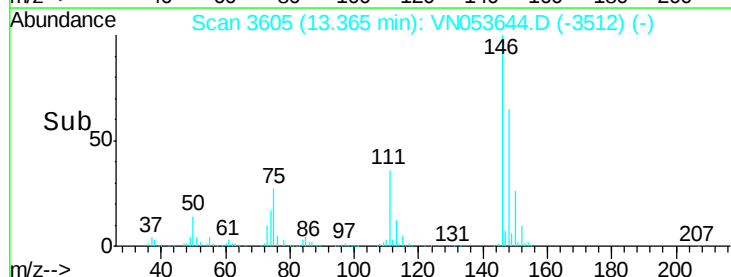
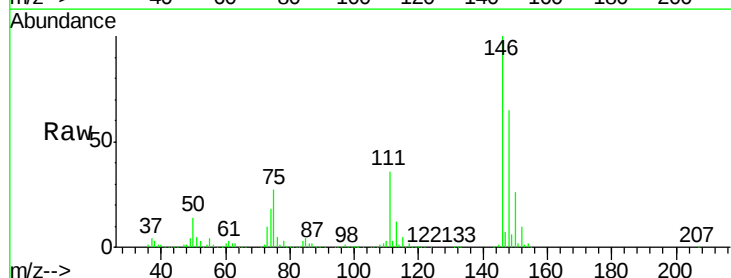
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#88
 1,4-Dichlorobenzene
 Concen: 47.374 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053644.D
 Acq: 6 Feb 2019 19:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.6	55.8
148	64.1	32.4	97.0





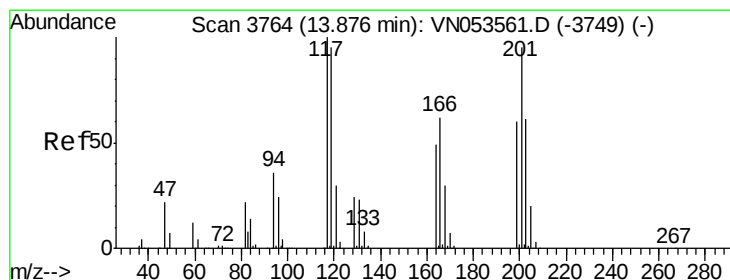
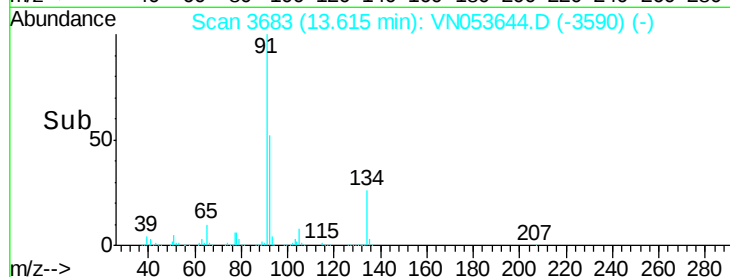
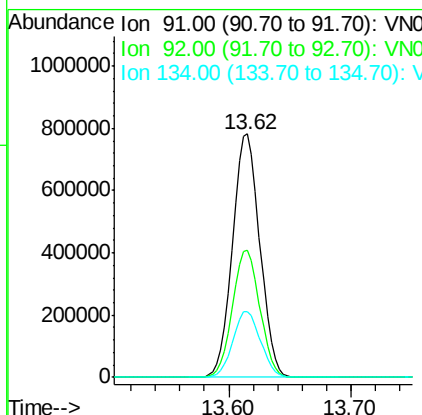
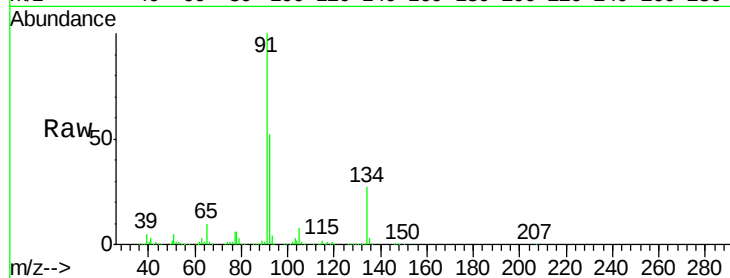
#89
n-Butylbenzene
Concen: 49.080 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053644.D
Acq: 6 Feb 2019 19:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.3	78.8
134	27.3	13.5	40.5

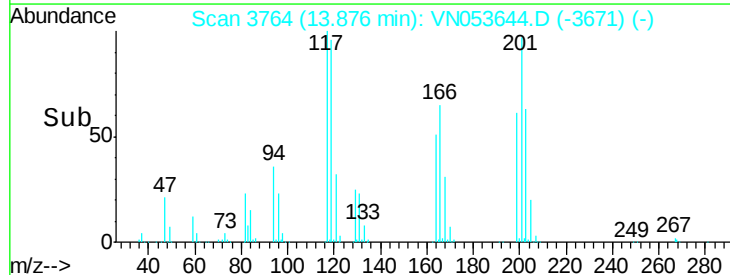
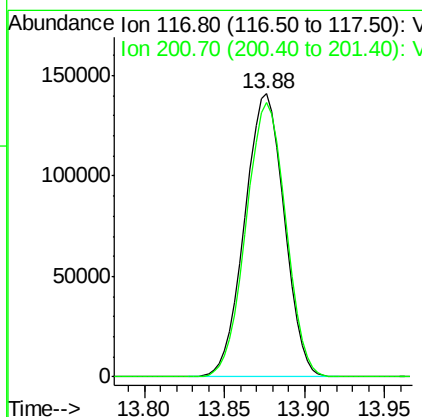
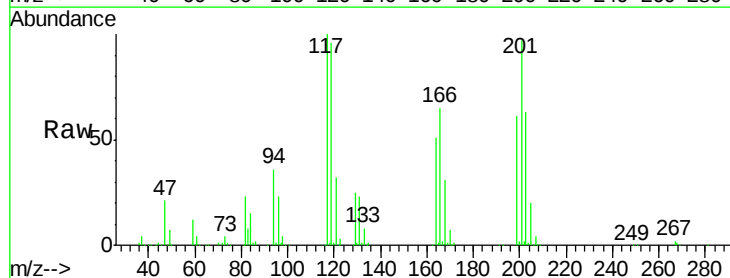
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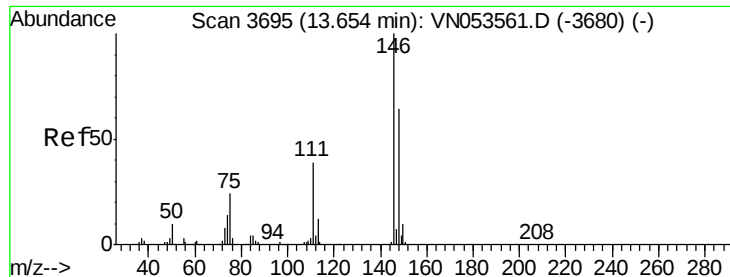
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#90
Hexachloroethane
Concen: 50.470 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN053644.D
Acq: 6 Feb 2019 19:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.3	46.8	140.4





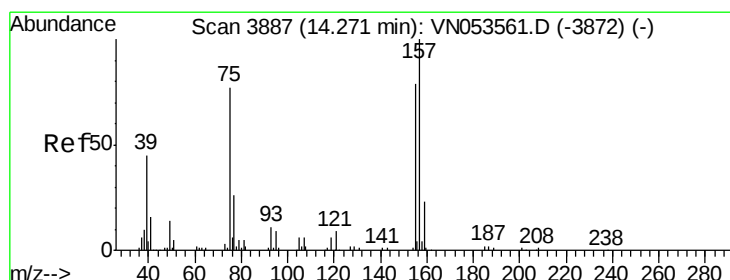
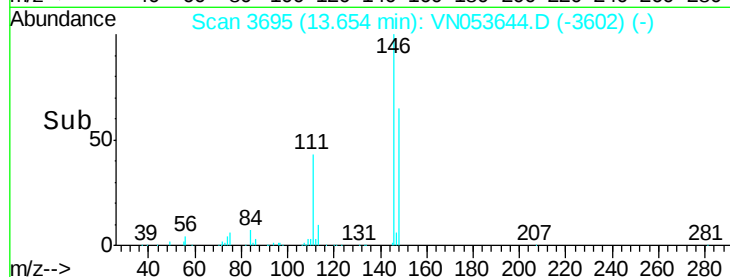
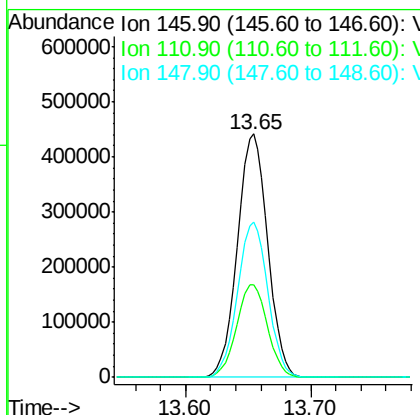
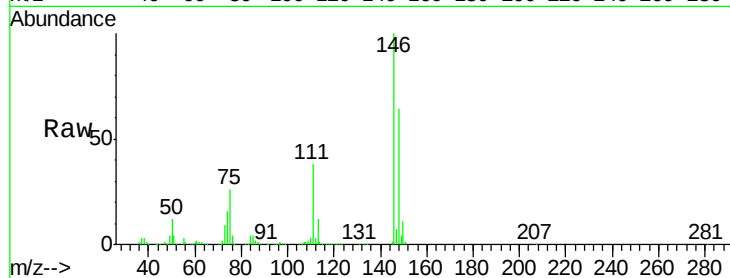
#91
 1,2-Dichlorobenzene
 Concen: 48.494 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053644.D
 Acq: 6 Feb 2019 19:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.5	58.5
148	63.9	31.9	95.9

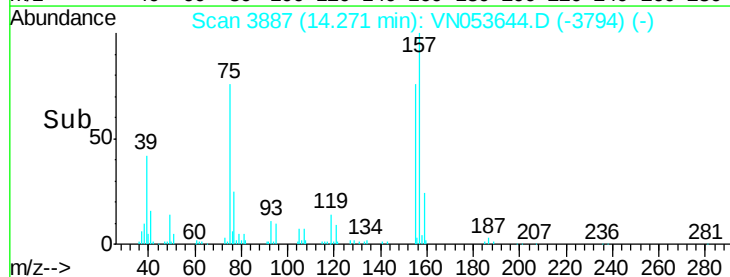
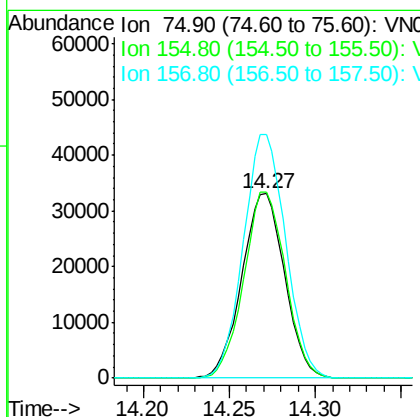
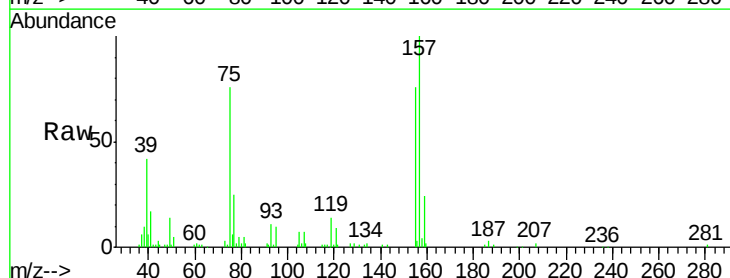
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.902 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053644.D
 Acq: 6 Feb 2019 19:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.0	48.9	146.7
157	130.7	63.7	191.3





#93

1,2,4-Trichlorobenzene

Concen: 49.210 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

Instrument :

MSVOA_N

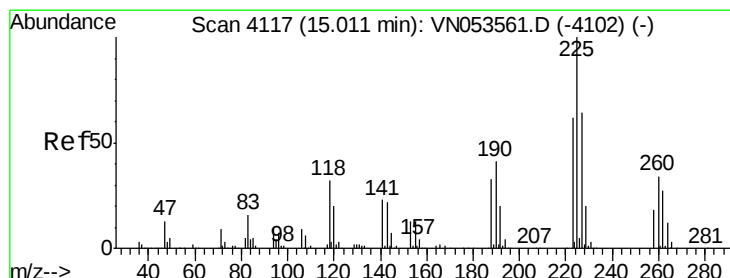
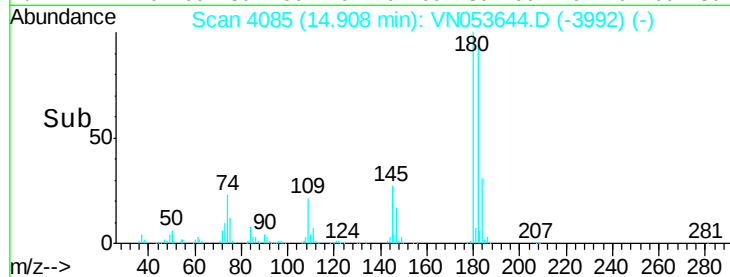
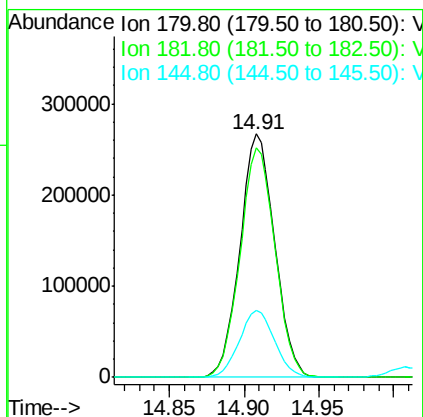
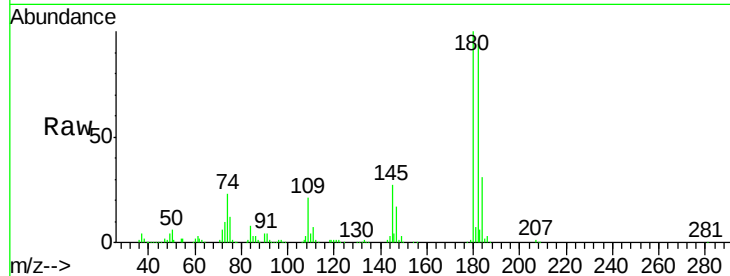
ClientSampled :

VSTDCCC050EC

Tot Ion:	180	Resp:	429972
Ion Ratio	Lower	Upper	
180	100		
182	95.2	48.1	144.3
145	27.7	13.9	41.6

Manual Integrations
APPROVED

MMDadoda
2/7/2019 11:04:34 AM



#94

Hexachlorobutadiene

Concen: 46.795 ug/l

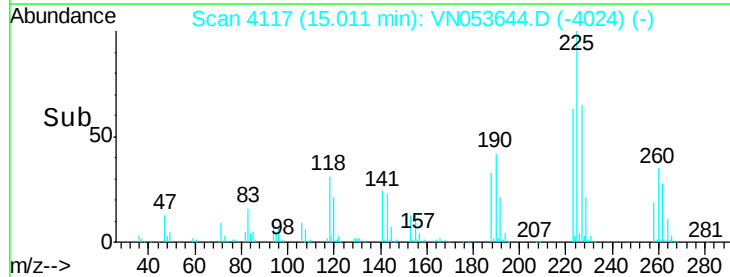
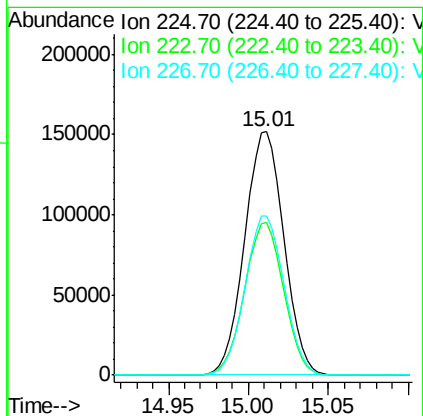
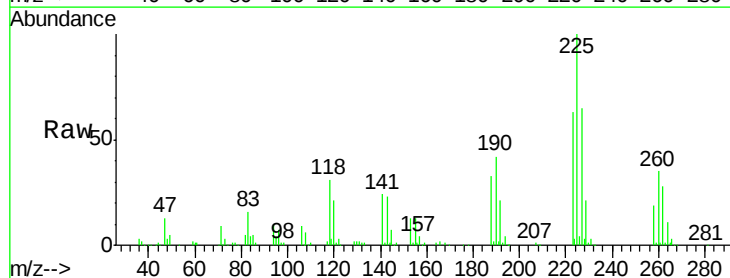
RT: 15.01 min Scan# 4117

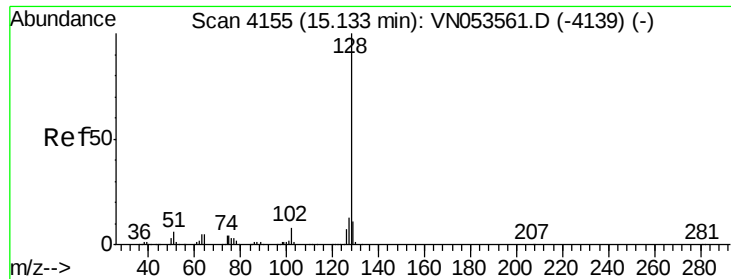
Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

Tgt Ion:	225	Resp:	254630
Ion Ratio	Lower	Upper	
225	100		
223	62.1	31.1	93.2
227	65.1	32.0	96.2





#95

Naphthalene

Concen: 46.558 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

Instrument :

MSVOA_N

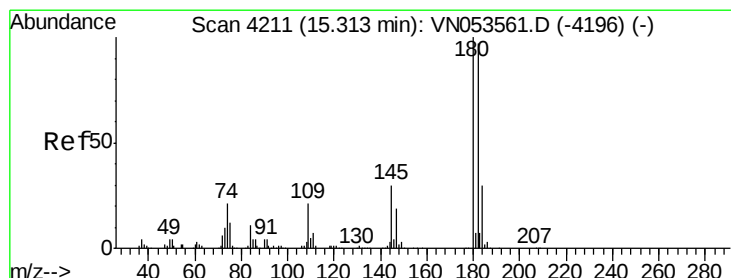
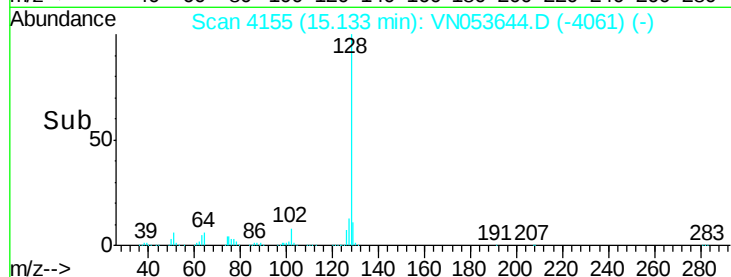
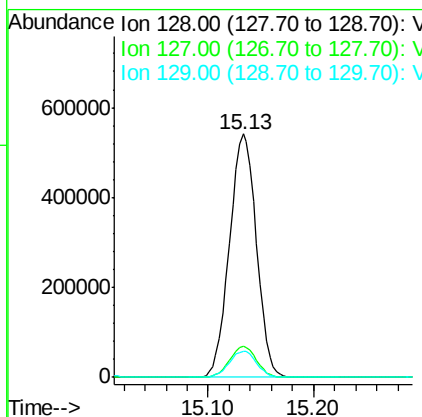
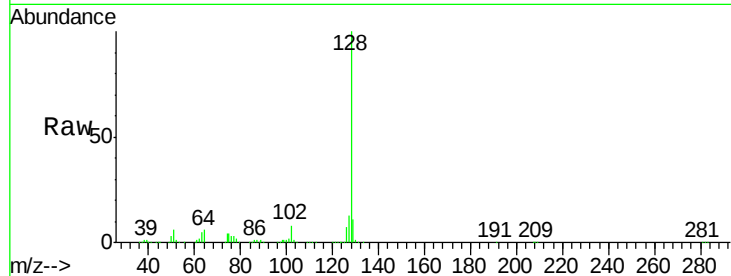
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	953064
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.3	15.5
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/7/2019 11:04:34 AM



#96

1,2,3-Trichlorobenzene

Concen: 49.297 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

Tgt Ion:	180	Resp:	399666
Ion Ratio	Lower	Upper	
180	100		
182	96.5	47.9	143.8
145	29.8	14.7	44.1

