

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN013019\
 Data File : VN053571.D
 Acq On : 30 Jan 2019 19:32
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/1/2019 9:18:59 AM

Quant Time: Jan 31 06:32:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 31 05:27:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	670357	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1059741	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	936180	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	454313	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	355557	52.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.74%	
35) Dibromofluoromethane	7.59	113	338922	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	
50) Toluene-d8	10.09	98	1267438	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
62) 4-Bromofluorobenzene	12.40	95	424448	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	390058	51.602	ug/l	100
3) Chloromethane	2.06	50	417715	52.487	ug/l	100
4) Vinyl Chloride	2.19	62	413384	53.508	ug/l	99
5) Bromomethane	2.57	94	259328	51.338	ug/l	100
6) Chloroethane	2.71	64	232752	52.720	ug/l	99
7) Trichlorofluoromethane	3.02	101	542731	51.804	ug/l	99
8) Diethyl Ether	3.41	74	199220	52.069	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.77	101	329462	50.849	ug/l	98
10) Methyl Iodide	3.96	142	522283	51.357	ug/l	100
11) Tert butyl alcohol	4.78	59	105869	266.002	ug/l	98
12) 1,1-Dichloroethene	3.74	96	324943	52.345	ug/l	98
13) Acrolein	3.61	56	76162	347.943	ug/l	96
14) Allyl chloride	4.33	41	513783	51.982	ug/l	99
15) Acrylonitrile	4.99	53	592217	275.628	ug/l	99
16) Acetone	3.82	43	388657	225.312	ug/l	98
17) Carbon Disulfide	4.06	76	979721	50.686	ug/l	100
18) Methyl Acetate	4.33	43	258694	50.639	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	852886	54.197	ug/l	98
20) Methylene Chloride	4.55	84	366047	50.580	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	344889	51.497	ug/l	99
22) Diisopropyl ether	5.95	45	981181	53.575	ug/l	97
23) Vinyl Acetate	5.90	43	3525069	278.234	ug/l	98
24) 1,1-Dichloroethane	5.85	63	633001	51.820	ug/l	99
25) 2-Butanone	6.84	43	633555	257.523	ug/l	100
26) 2,2-Dichloropropane	6.83	77	442087	47.410	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	389984	52.367	ug/l	98
28) Bromochloromethane	7.20	49	276637	52.186	ug/l	97
29) Tetrahydrofuran	7.21	42	440605	278.906	ug/l	99
30) Chloroform	7.37	83	623648	51.503	ug/l	100
31) Cyclohexane	7.66	56	577707	50.799	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	528133	52.408	ug/l	99
36) 1,1-Dichloropropene	7.79	75	479064	50.148	ug/l	99
37) Ethyl Acetate	6.93	43	284927	53.404	ug/l	99
38) Carbon Tetrachloride	7.77	117	474975	49.356	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	558098	49.243	ug/l	99
40) Benzene	8.04	78	1461332	49.606	ug/l	100
41) Methacrylonitrile	7.17	41	149772	50.227	ug/l #	89
42) 1,2-Dichloroethane	8.12	62	427677	48.895	ug/l	100
43) Isopropyl Acetate	8.17	43	519759	50.444	ug/l #	89
44) Trichloroethene	8.84	130	399332	47.615	ug/l	100
45) 1,2-Dichloropropane	9.12	63	382258	50.733	ug/l	99
46) Dibromomethane	9.21	93	226927	49.961	ug/l	98
47) Bromodichloromethane	9.40	83	470753	49.848	ug/l	100
48) Methyl methacrylate	9.20	41	242607	49.327	ug/l	93
49) 1,4-Dioxane	9.20	88	71175	998.755	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	1350768	266.779	ug/l	100
52) Toluene	10.16	92	888425	50.815	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	475803	50.314	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	564620	50.386	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	320052	50.801	ug/l	99
56) Ethyl methacrylate	10.43	69	394481	52.929	ug/l	99
57) 1,3-Dichloropropane	10.71	76	544261	50.548	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1105231	239.465	ug/l	99
59) 2-Hexanone	10.75	43	861965	250.769	ug/l	100
60) Dibromochloromethane	10.90	129	364422	51.295	ug/l	100
61) 1,2-Dibromoethane	11.00	107	310836	49.849	ug/l	100
64) Tetrachloroethene	10.63	164	392430	48.900	ug/l	98
65) Chlorobenzene	11.44	112	973160	48.938	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	350746	50.505	ug/l	98
67) Ethyl Benzene	11.51	91	1633327	50.001	ug/l	100
68) m/p-Xylenes	11.62	106	1260562	101.110	ug/l	100
69) o-Xylene	11.95	106	615937	51.138	ug/l	99
70) Styrene	11.96	104	1003956	51.427	ug/l	100
71) Bromoform	12.13	173	252723	53.080	ug/l #	99
73) Isopropylbenzene	12.25	105	1588972	49.752	ug/l	100
74) N-amyl acetate	12.07	43	388372	50.570	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	375884	49.177	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	313674m	53.754	ug/l	
77) Bromobenzene	12.53	156	427016	49.610	ug/l	98
78) n-propylbenzene	12.59	91	1840274	49.845	ug/l	100
79) 2-Chlorotoluene	12.67	91	1090192	49.771	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1366002	51.578	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	100031	48.202	ug/l	97
82) 4-Chlorotoluene	12.77	91	1118267	49.753	ug/l	100
83) tert-Butylbenzene	12.99	119	1178916	50.366	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1396657	51.762	ug/l	99
85) sec-Butylbenzene	13.17	105	1605586	50.407	ug/l	100
86) p-Isopropyltoluene	13.29	119	1412439	50.701	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	754982	48.793	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	741700	48.459	ug/l	99
89) n-Butylbenzene	13.62	91	1203334	49.904	ug/l	99
90) Hexachloroethane	13.88	117	229352	49.912	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	733978	49.549	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	54955	50.449	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	446214	52.522	ug/l	100
94) Hexachlorobutadiene	15.01	225	262267	49.570	ug/l	100
95) Naphthalene	15.13	128	979569	49.115	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	423286	53.696	ug/l	100

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

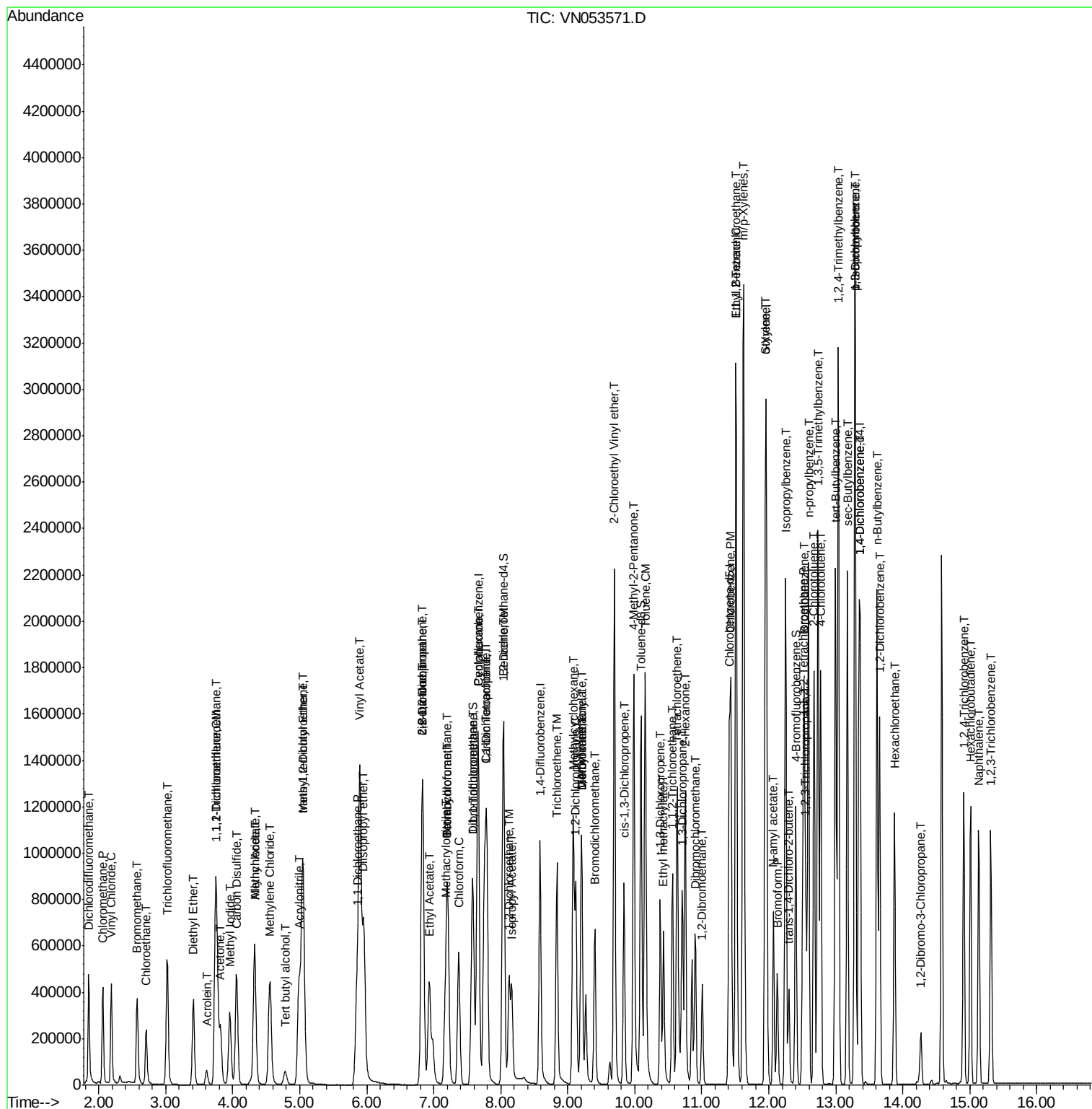
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN013019\
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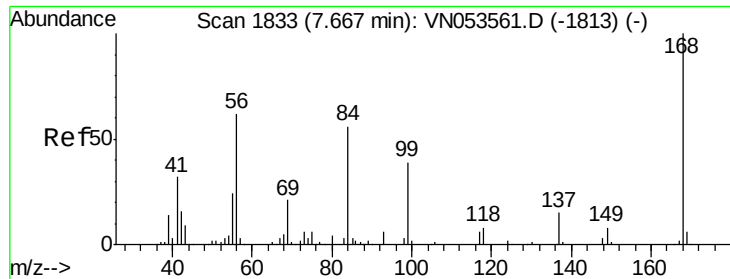
Instrument :
 MSVOA_N
 Client Sample Id :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

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Acq: 30 Jan 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:168 Resp: 670357

Ion Ratio Lower Upper

168 100

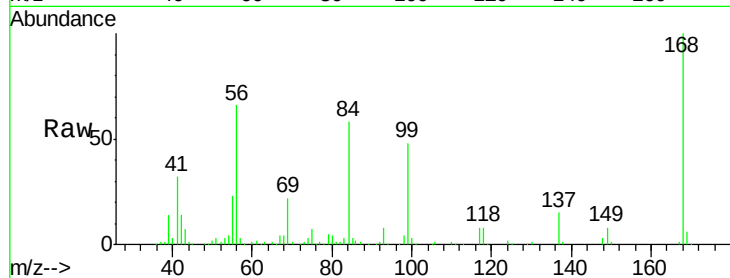
99 46.4 39.1 58.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

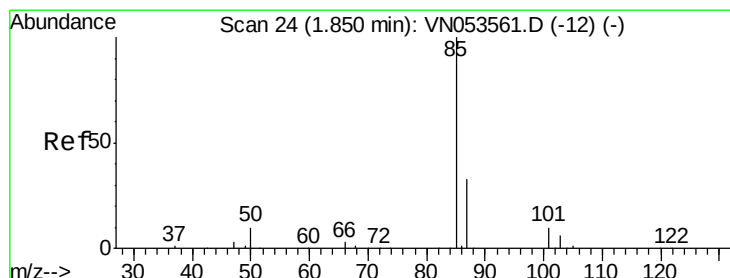
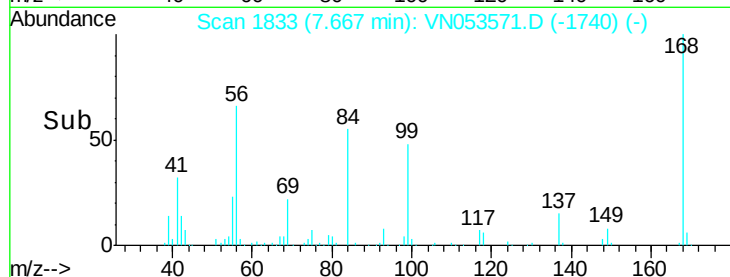
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 51.602 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053571.D

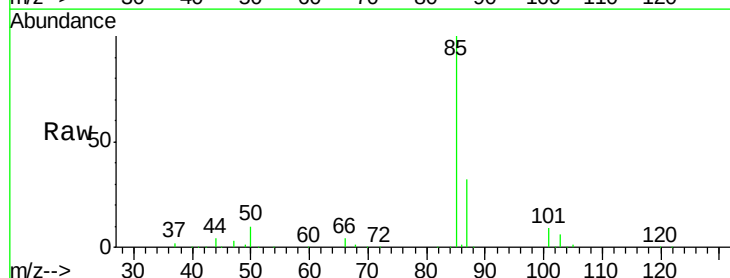
Acq: 30 Jan 2019 19:32

Tgt Ion: 85 Resp: 390058

Ion Ratio Lower Upper

85 100

87 32.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

300000

250000

200000

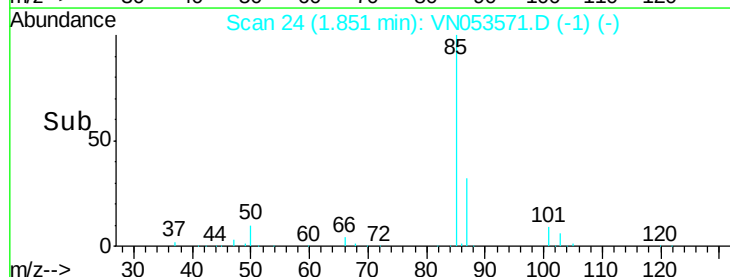
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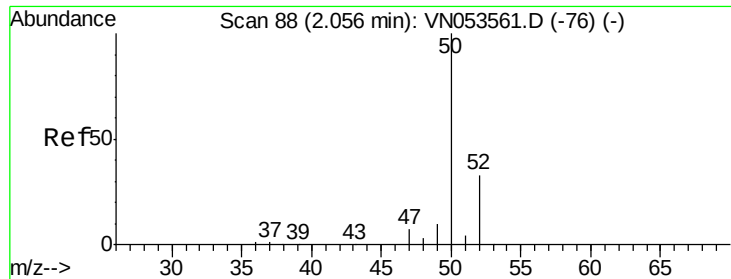
100000

50000

0

Time-->





#3

Chloromethane

Concen: 52.487 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053571.D

Acq: 30 Jan 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 417715

Ion Ratio Lower Upper

50 100

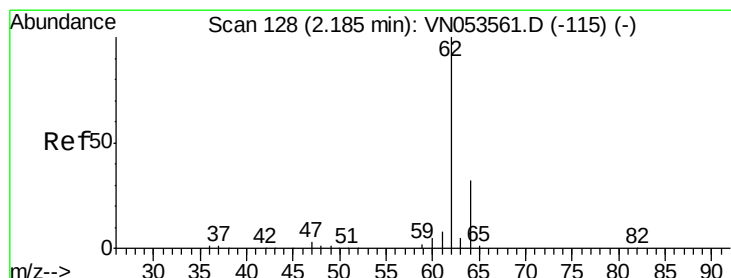
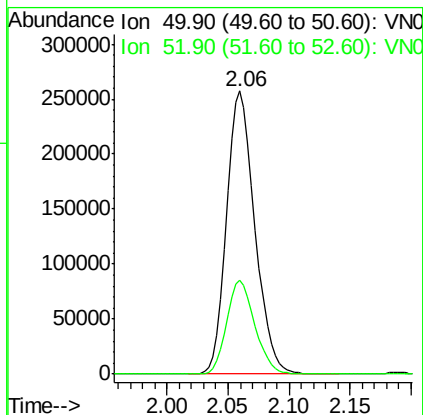
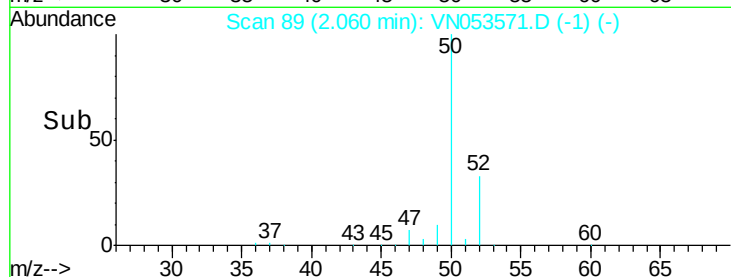
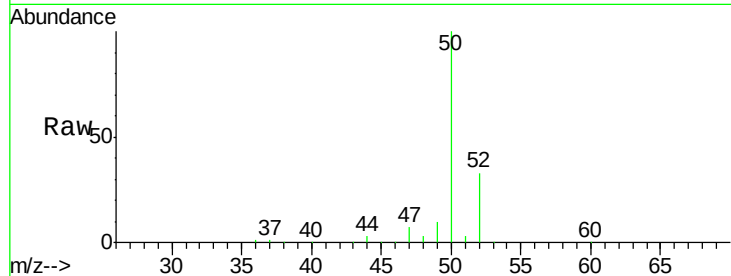
52 33.2 26.6 40.0

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#4

Vinyl Chloride

Concen: 53.508 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053571.D

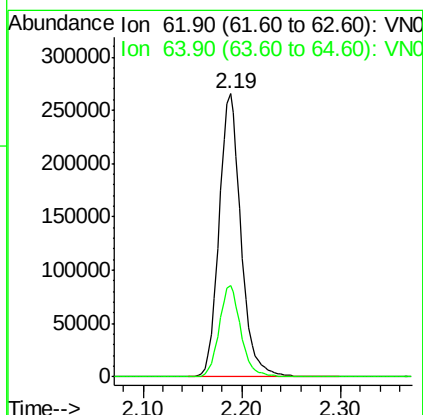
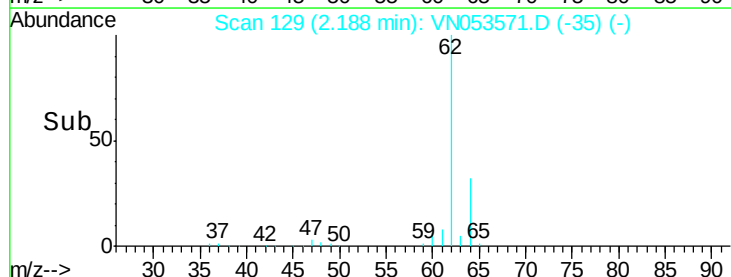
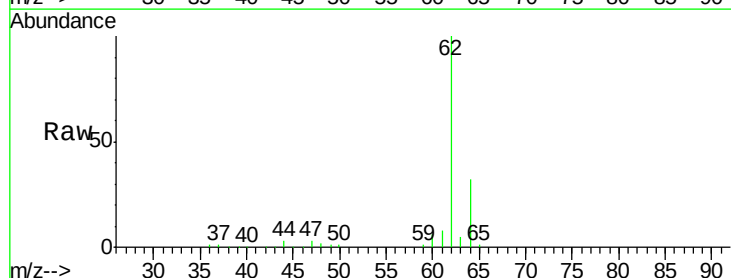
Acq: 30 Jan 2019 19:32

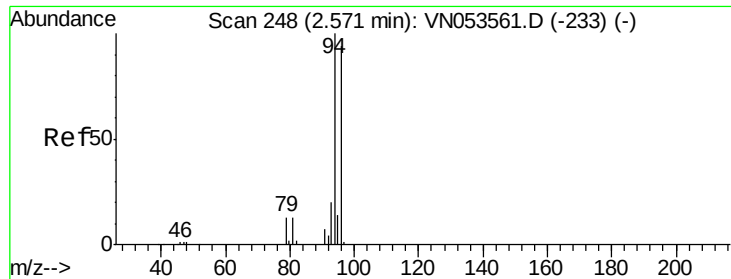
Tgt Ion: 62 Resp: 413384

Ion Ratio Lower Upper

62 100

64 32.5 25.4 38.2





#5

Bromomethane

Concen: 51.338 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN053571.D

Acq: 30 Jan 2019 19:32

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tgt Ion: 94 Resp: 259328

Ion Ratio Lower Upper

94 100

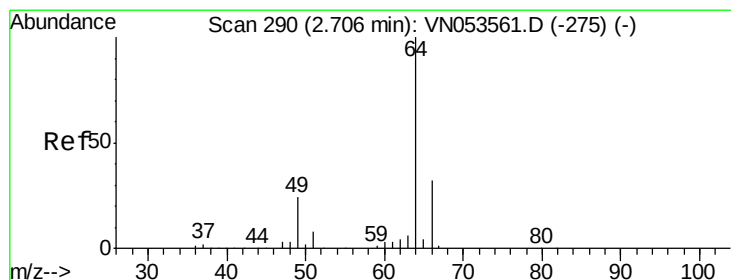
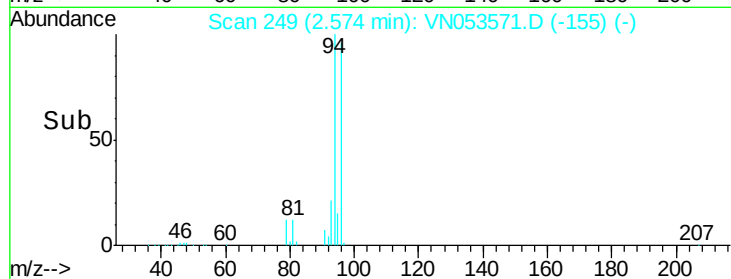
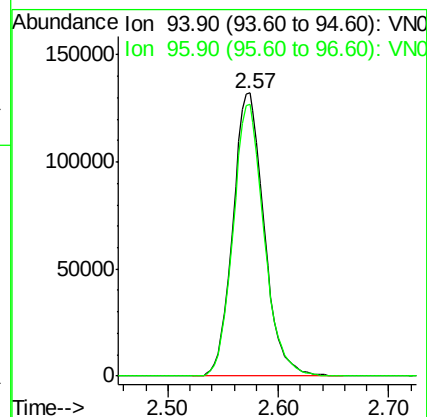
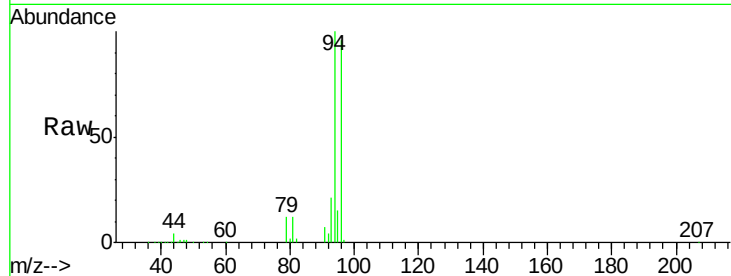
96 95.9 76.8 115.2

Manual Integrations

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#6

Chloroethane

Concen: 52.720 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053571.D

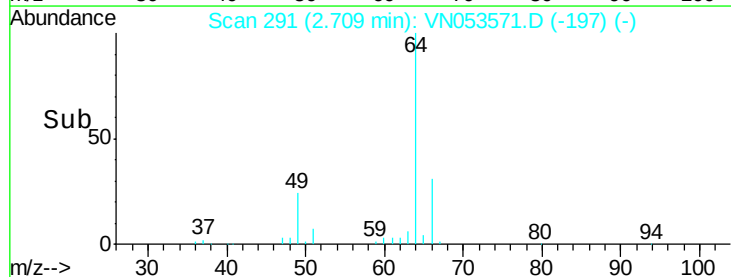
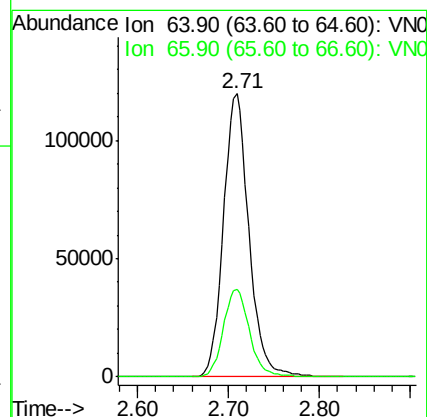
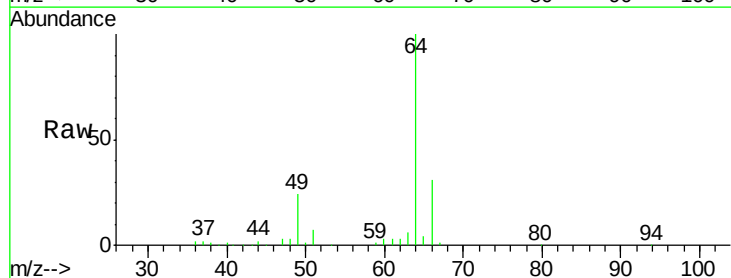
Acq: 30 Jan 2019 19:32

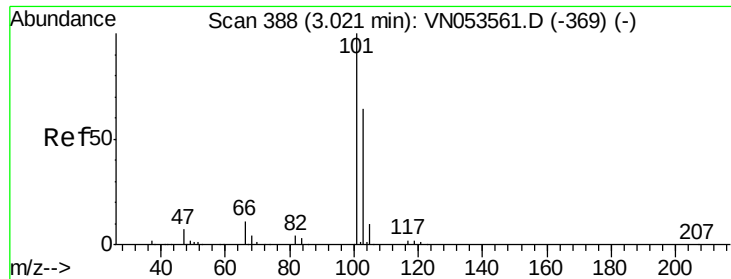
Tgt Ion: 64 Resp: 232752

Ion Ratio Lower Upper

64 100

66 31.0 25.1 37.7





#7

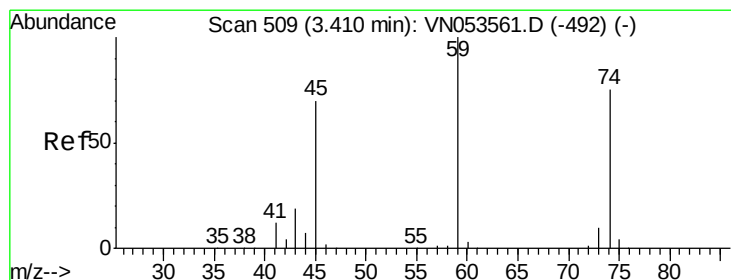
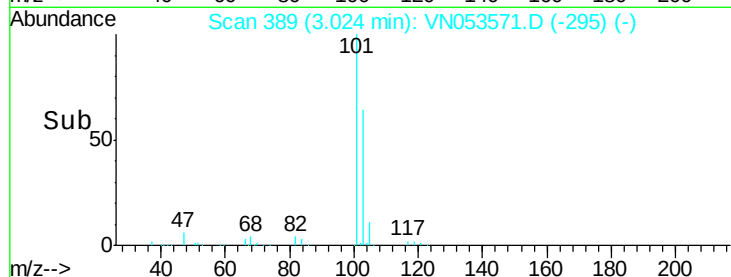
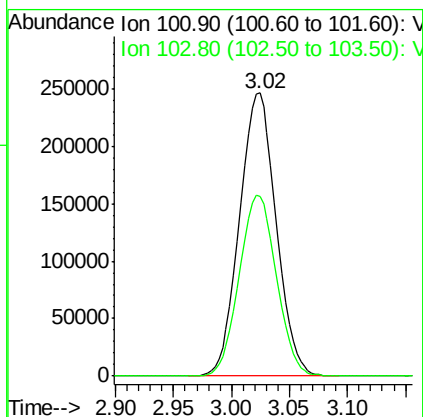
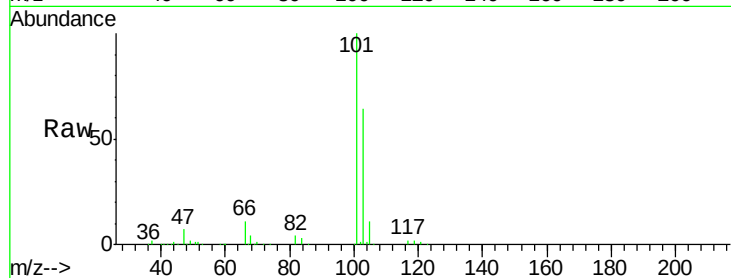
Trichlorofluoromethane
 Concen: 51.804 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053571.D
 Acq: 30 Jan 2019 19:32

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Tgt Ion	Ratio	Lower	Upper
101	100		
103	63.5	51.6	77.4

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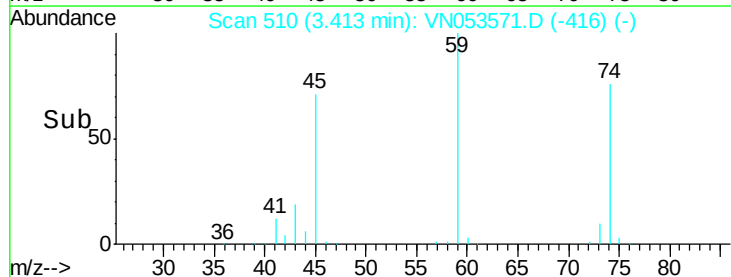
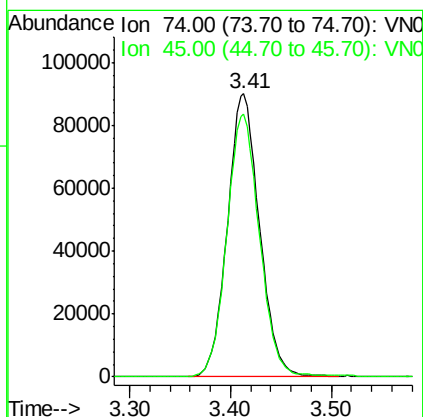
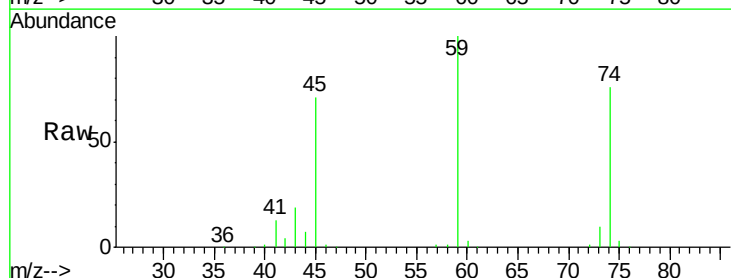
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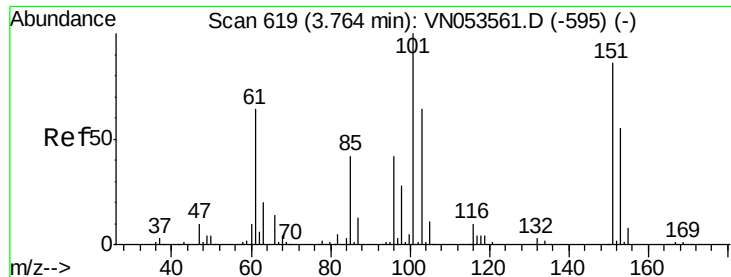


#8

Diethyl Ether
 Concen: 52.069 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053571.D
 Acq: 30 Jan 2019 19:32

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.9	47.9	143.7





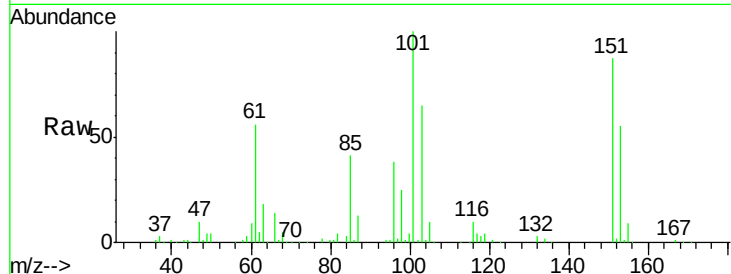
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 50.849 ug/l
 RT: 3.77 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: VN053571.D
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Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

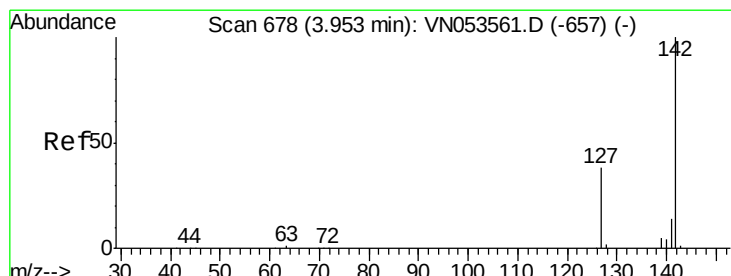
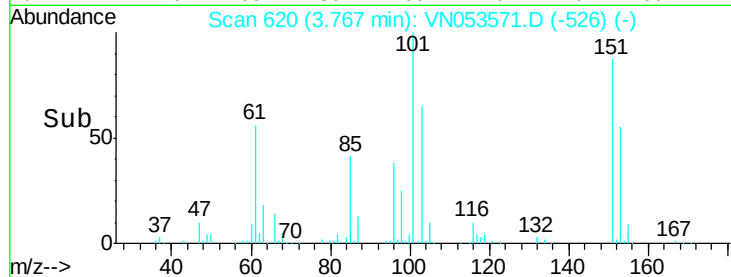
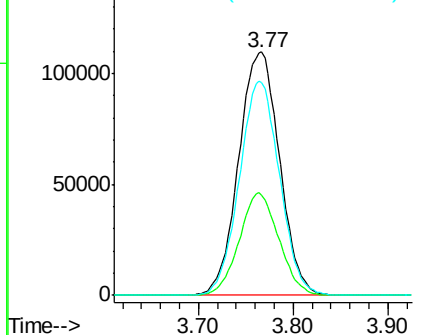
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	329462		
85	40.7	32.8	49.2	
151	86.8	66.9	100.3	

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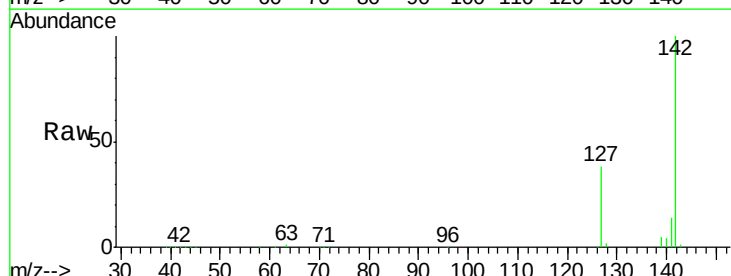


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): VN
 Ion 150.80 (150.50 to 151.50): V

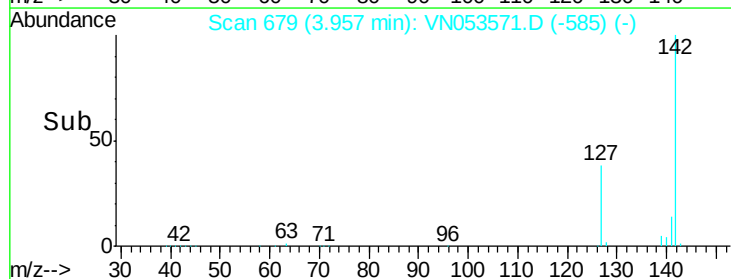
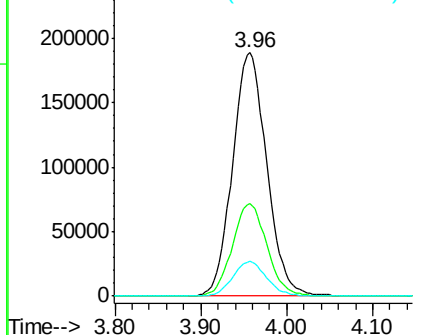


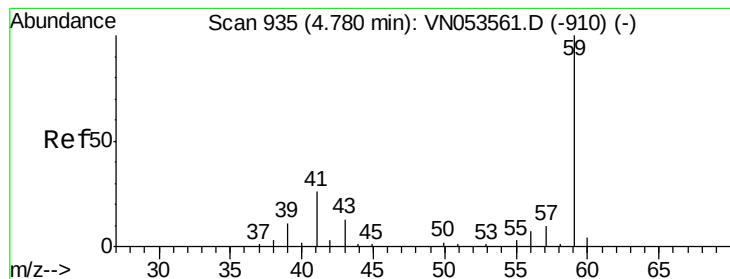
#10
 Methyl Iodide
 Concen: 51.357 ug/l
 RT: 3.96 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: VN053571.D
 Acq: 30 Jan 2019 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	522283		
127	38.7	31.0	46.4	
141	14.1	11.1	16.7	



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





#11

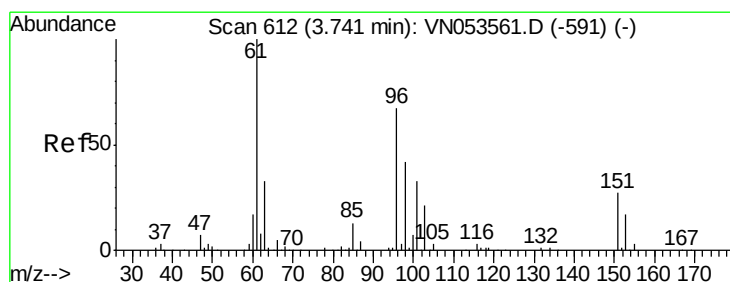
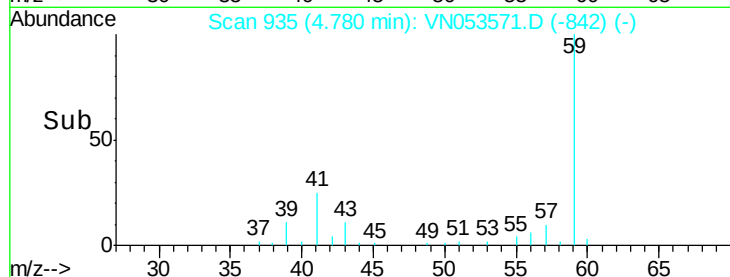
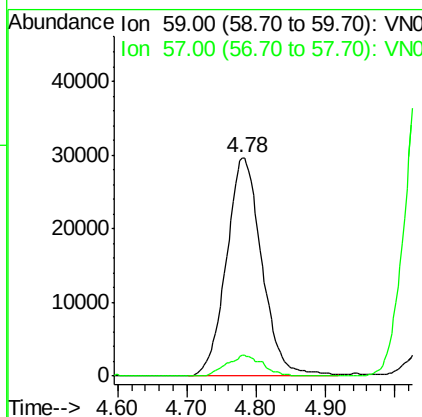
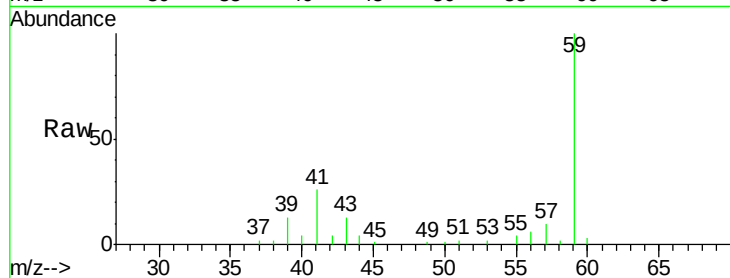
Tert butyl alcohol
Concen: 266.002 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.00 min
Lab File: VN053571.D
Acq: 30 Jan 2019 19:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.2	12.4

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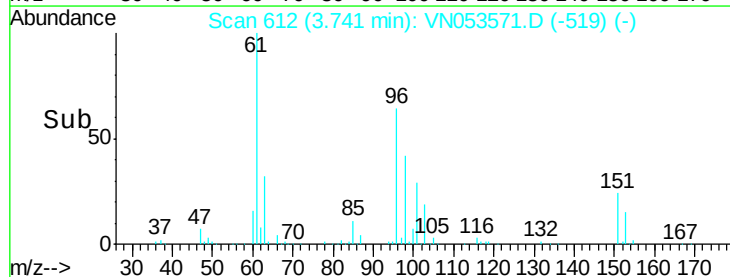
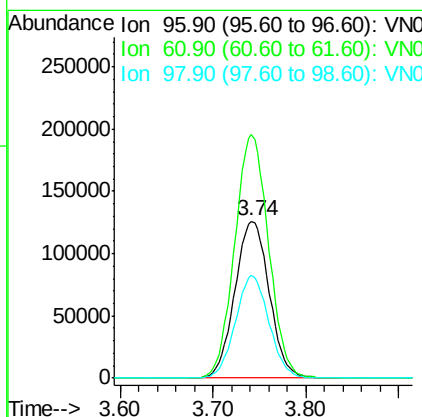
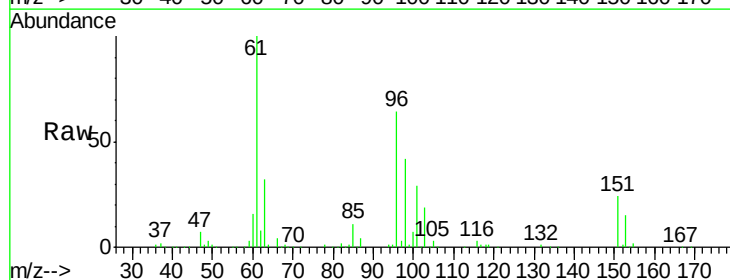
MMDadoda
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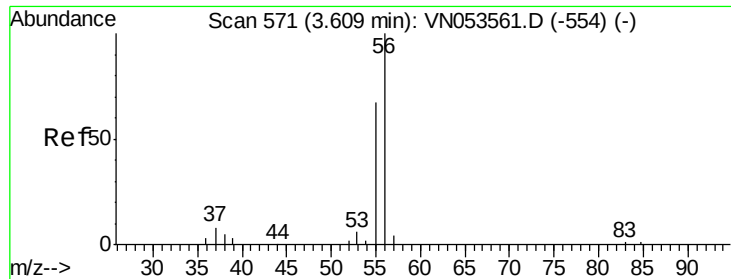


#12

1,1-Dichloroethene
Concen: 52.345 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053571.D
Acq: 30 Jan 2019 19:32

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.1	122.9	184.3
98	65.4	49.4	74.0





#13

Acrolein

Concen: 347.943 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053571.D

Acq: 30 Jan 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 76162

Ion Ratio Lower Upper

56 100

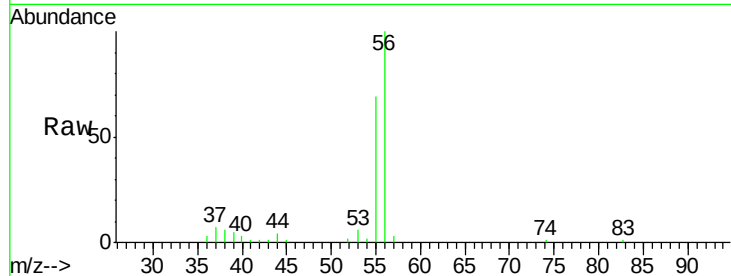
55 68.3 57.4 86.0

Manual Integrations

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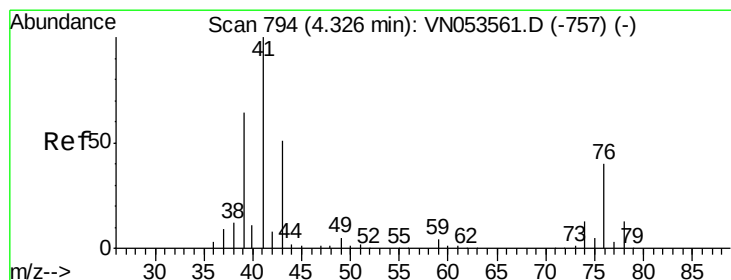
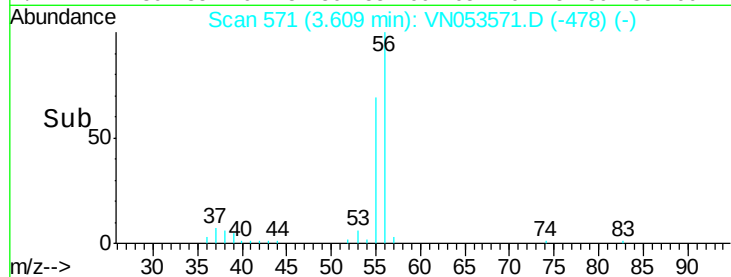
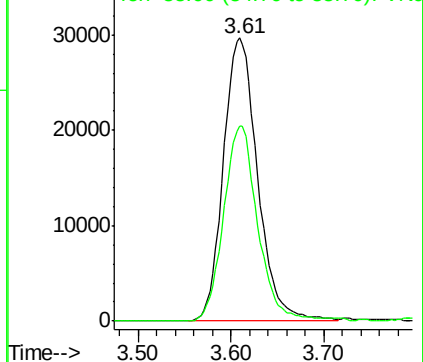
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Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 51.982 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053571.D

Acq: 30 Jan 2019 19:32

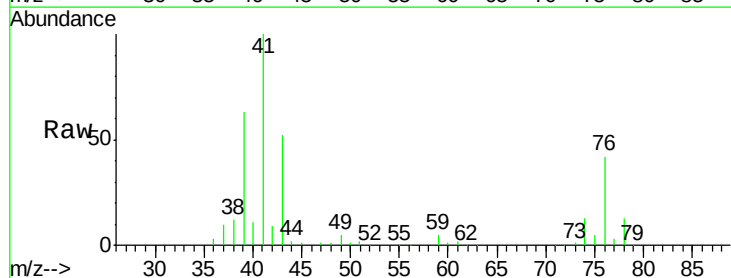
Tgt Ion: 41 Resp: 513783

Ion Ratio Lower Upper

41 100

39 61.1 48.9 73.3

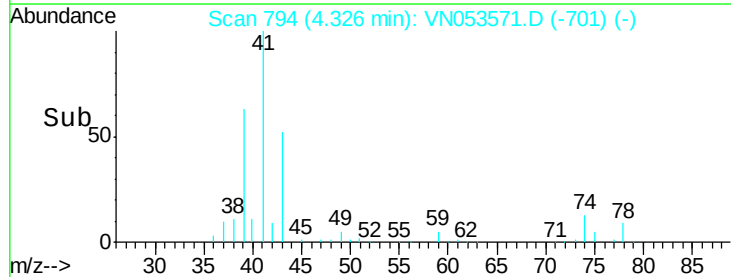
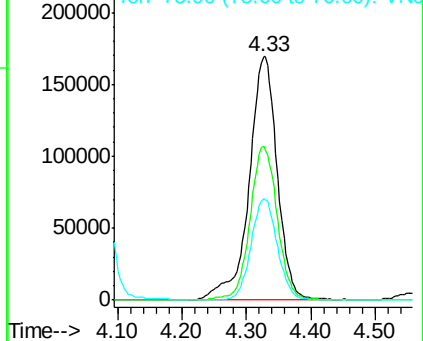
76 38.4 29.4 44.2

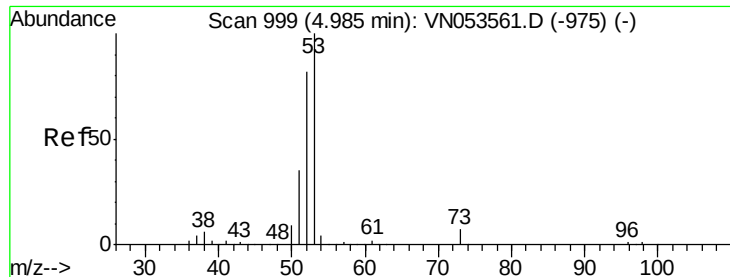


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 275.628 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053571.D

Acq: 30 Jan 2019 19:32

Instrument :

MSVOA_N

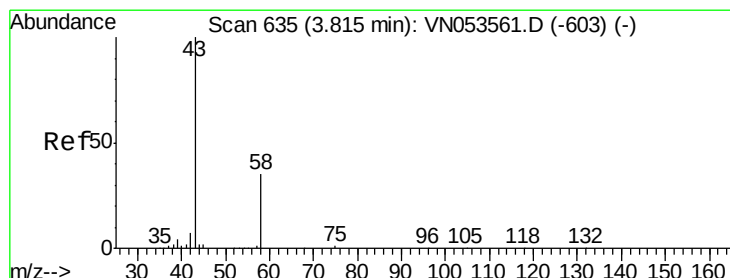
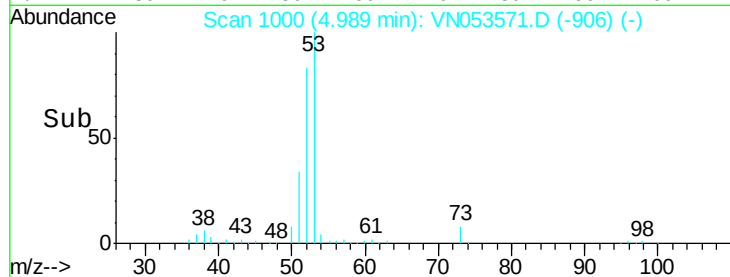
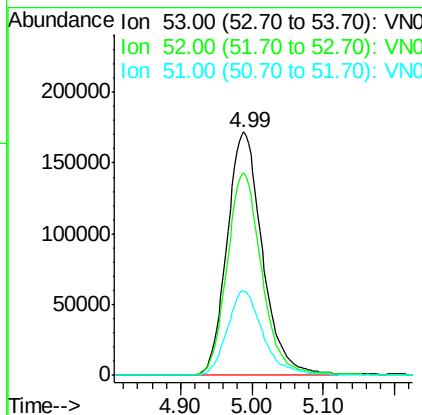
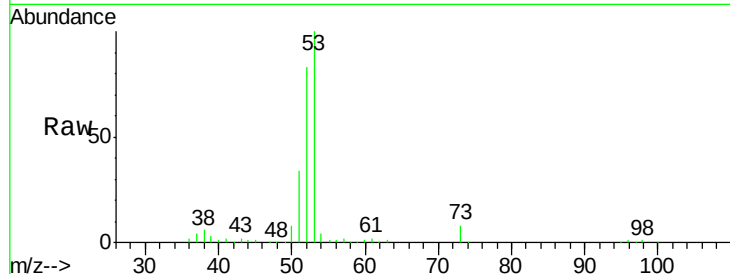
ClientSampled :

VSTDCCC050EC

Tgt Ion:	53	Resp:	592217
Ion	Ratio	Lower	Upper
53	100		
52	81.0	66.0	99.0
51	35.3	28.3	42.5

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#16

Acetone

Concen: 225.312 ug/l

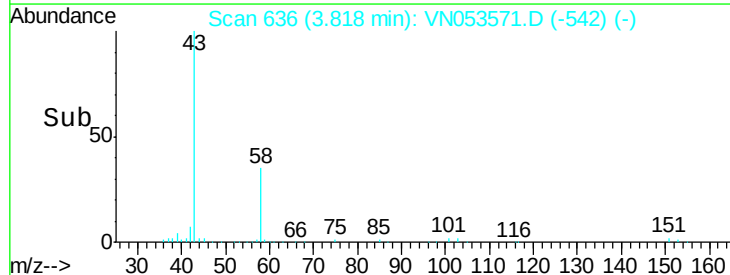
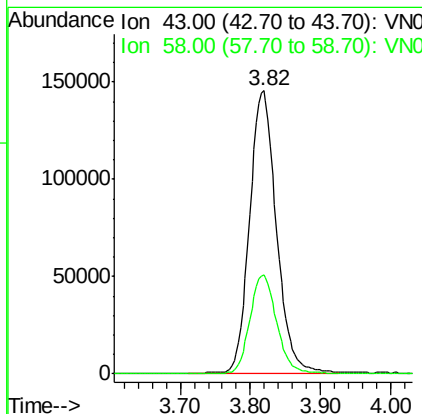
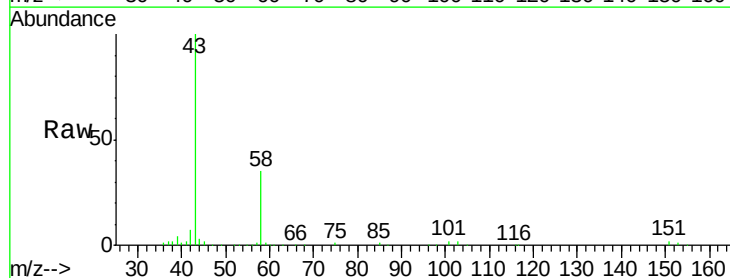
RT: 3.82 min Scan# 636

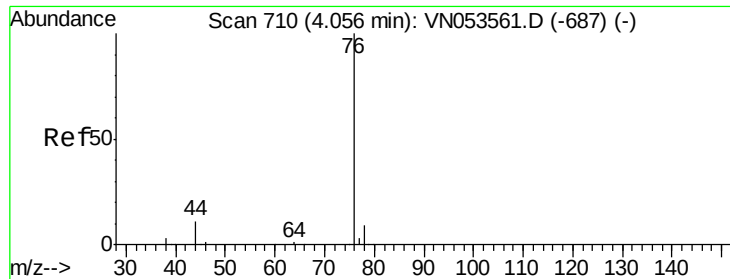
Delta R.T. 0.00 min

Lab File: VN053571.D

Acq: 30 Jan 2019 19:32

Tgt Ion:	43	Resp:	388657
Ion	Ratio	Lower	Upper
43	100		
58	35.0	27.1	40.7





#17

Carbon Disulfide

Concen: 50.686 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN053571.D

Acq: 30 Jan 2019 19:32

Tgt Ion: 76 Resp: 979721

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9

Instrument :

MSVOA_N

ClientSampleId :

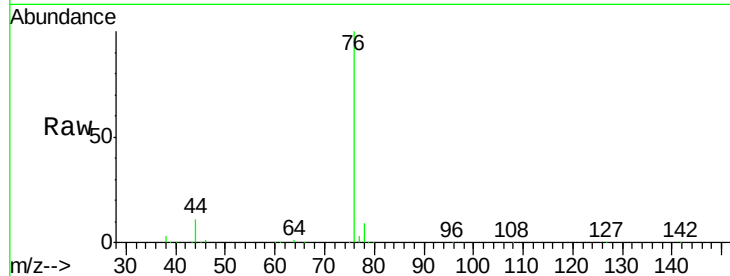
VSTDCCC050EC

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.06

400000

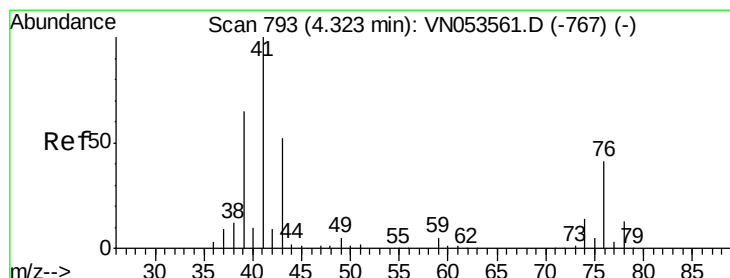
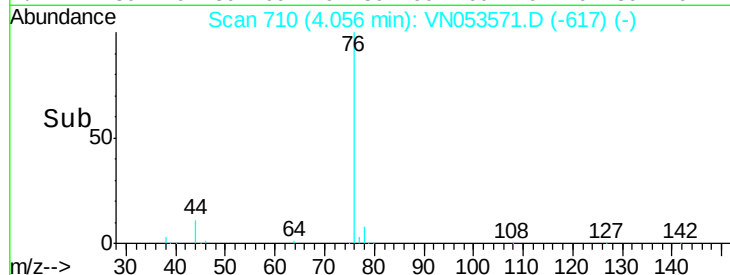
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 50.639 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053571.D

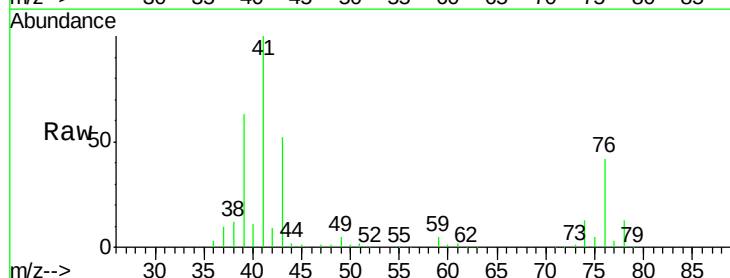
Acq: 30 Jan 2019 19:32

Tgt Ion: 43 Resp: 258694

Ion Ratio Lower Upper

43 100

74 25.7 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

4.33

100000

80000

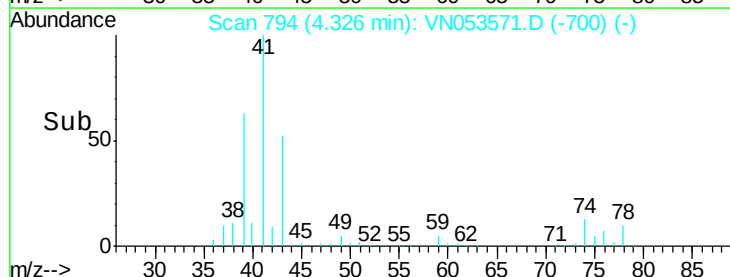
60000

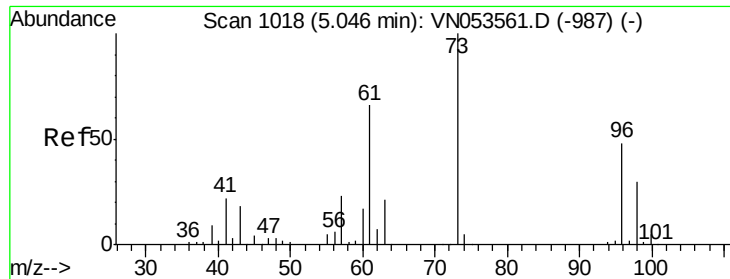
40000

20000

0

Time-->





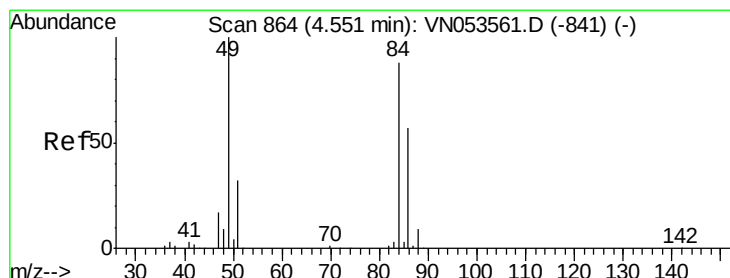
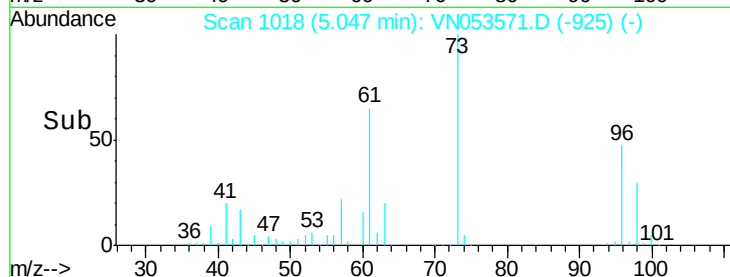
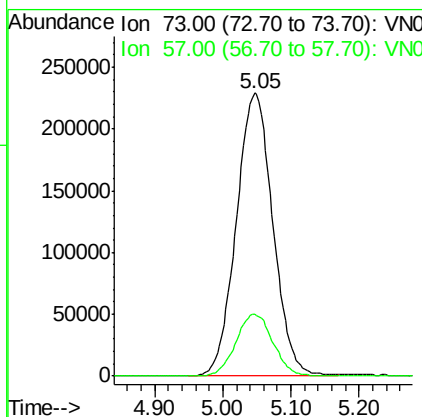
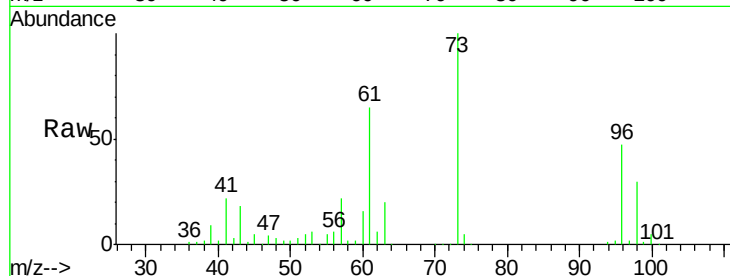
#19
Methyl tert-butyl Ether
Concen: 54.197 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053571.D
Acq: 30 Jan 2019 19:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 852886
Ion Ratio Lower Upper
73 100
57 22.0 18.3 27.5

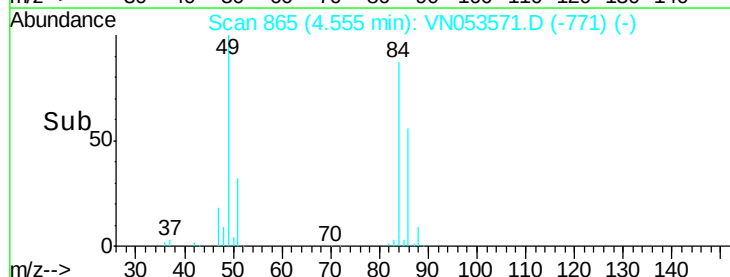
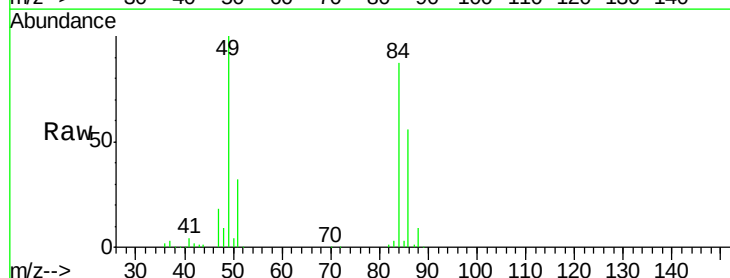
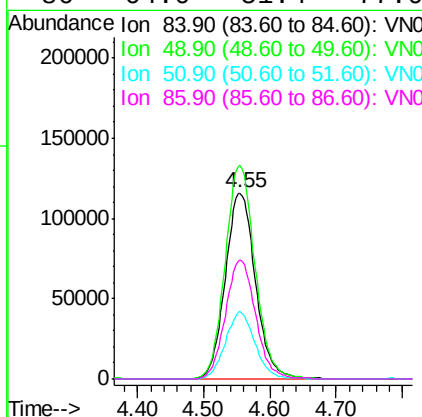
Manual Integrations
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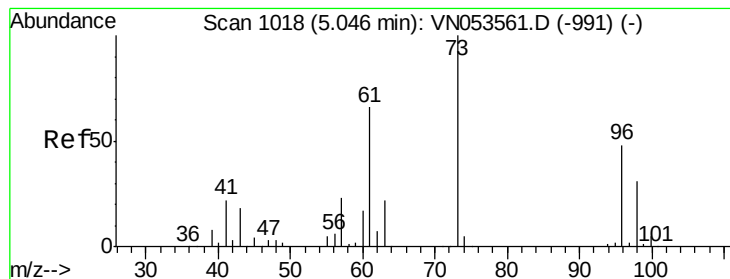
MMDadoda
2/1/2019 9:18:59 AM



#20
Methylene Chloride
Concen: 50.580 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053571.D
Acq: 30 Jan 2019 19:32

Tgt Ion: 84 Resp: 366047
Ion Ratio Lower Upper
84 100
49 114.9 94.3 141.5
51 36.4 29.4 44.2
86 64.0 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 51.497 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053571.D

Acq: 30 Jan 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 96 Resp: 344889

Ion Ratio Lower Upper

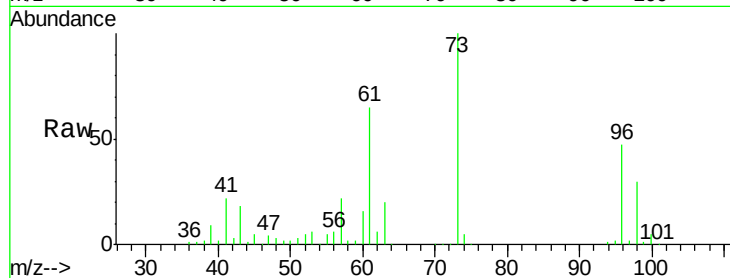
96 100

61 136.4 110.1 165.1

98 63.6 50.0 75.0

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Abundance Ion 95.90 (95.60 to 96.60): VN053571.D (-1206) (-)

Ion 60.90 (60.60 to 61.60): VN053571.D (-1206) (-)

Ion 97.90 (97.60 to 98.60): VN053571.D (-1206) (-)

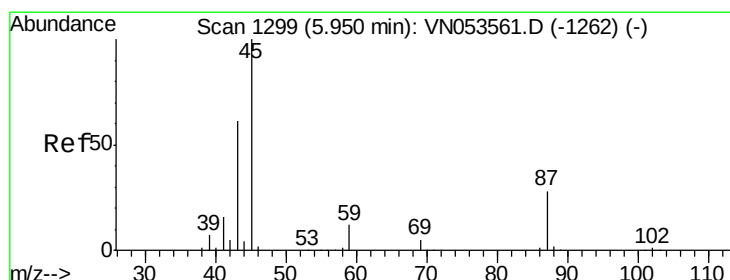
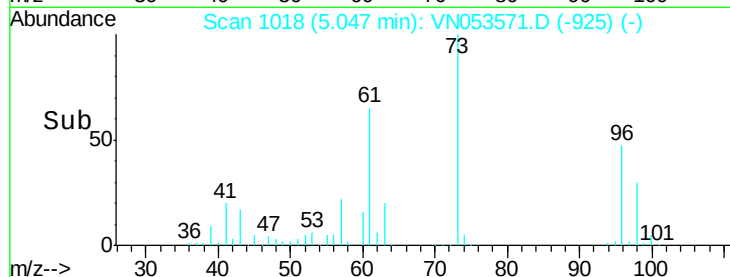
5.05

100000

50000

0

Time-->



#22

Diisopropyl ether

Concen: 53.575 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053571.D

Acq: 30 Jan 2019 19:32

Tgt Ion: 45 Resp: 981181

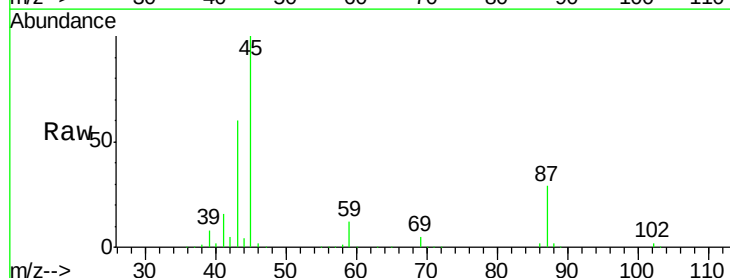
Ion Ratio Lower Upper

45 100

43 59.1 44.2 66.4

87 28.3 22.7 34.1

59 12.2 9.4 14.2



Abundance Ion 45.00 (44.70 to 45.70): VN053571.D (-1206) (-)

Ion 43.00 (42.70 to 43.70): VN053571.D (-1206) (-)

Ion 87.00 (86.70 to 87.70): VN053571.D (-1206) (-)

Ion 59.00 (58.70 to 59.70): VN053571.D (-1206) (-)

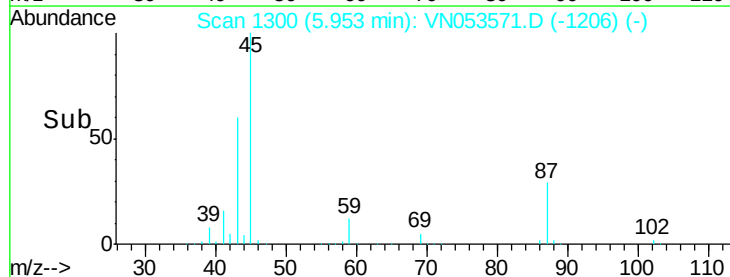
5.95

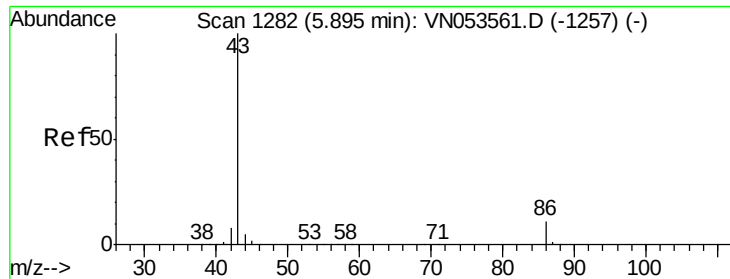
1000000

500000

0

Time-->





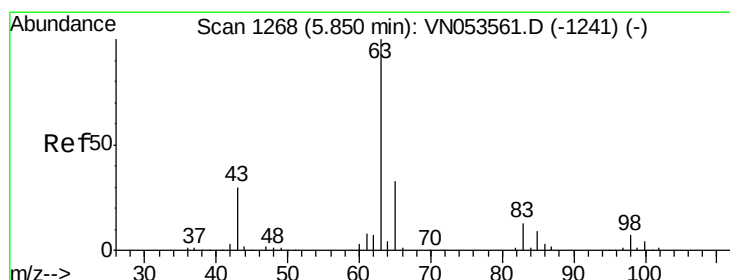
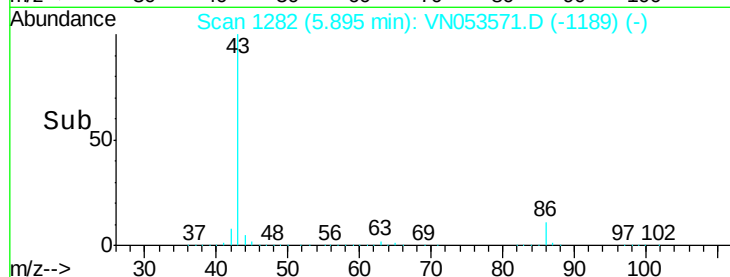
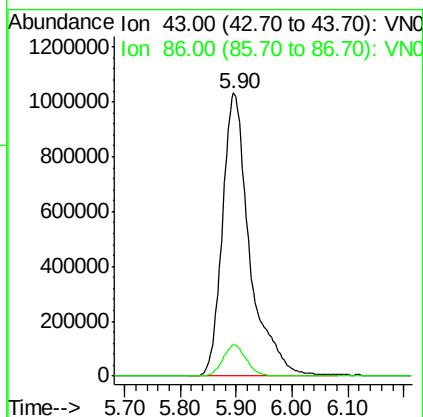
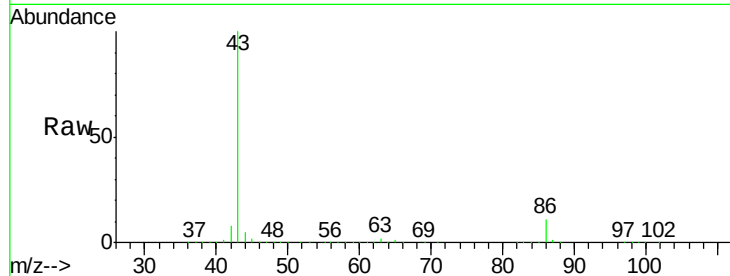
#23
 Vinyl Acetate
 Concen: 278.234 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053571.D
 Acq: 30 Jan 2019 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 43 Resp: 3525069
 Ion Ratio Lower Upper
 43 100
 86 11.1 8.4 12.6

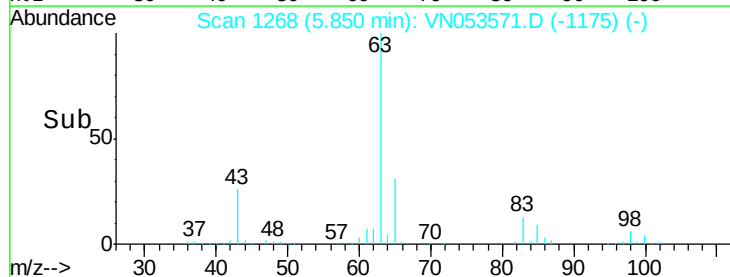
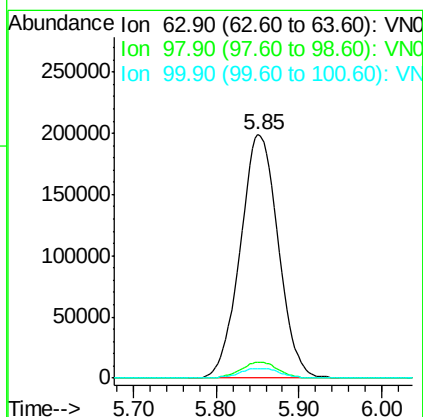
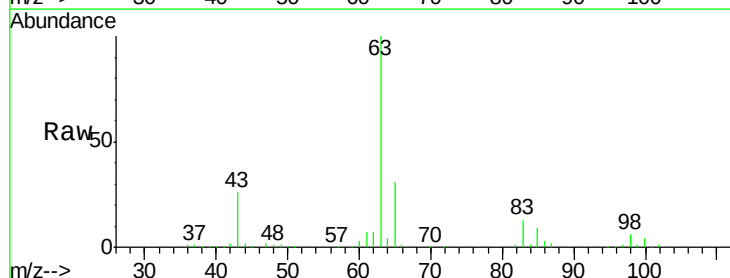
Manual Integrations
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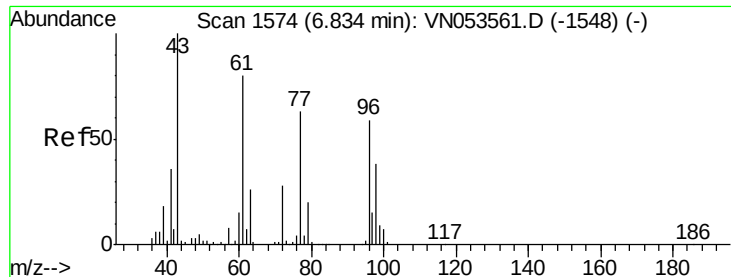
MMDadoda
 2/1/2019 9:18:59 AM



#24
 1,1-Dichloroethane
 Concen: 51.820 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN053571.D
 Acq: 30 Jan 2019 19:32

Tgt Ion: 63 Resp: 633001
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.3 9.9
 100 3.9 2.1 6.5





#25

2-Butanone

Concen: 257.523 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN053571.D

Acq: 30 Jan 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 633555

Ion Ratio Lower Upper

43 100

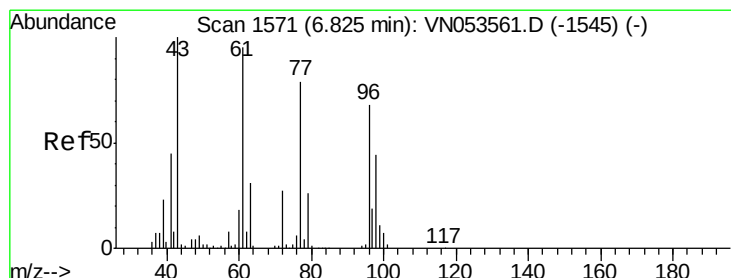
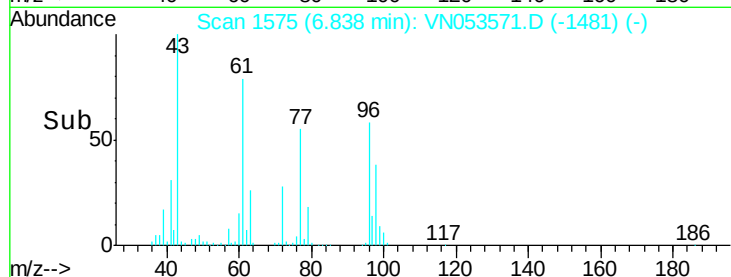
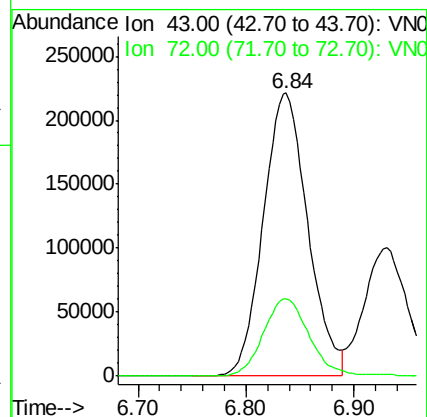
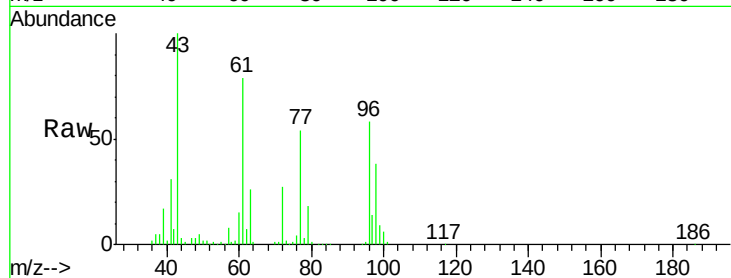
72 27.5 22.0 33.0

Manual Integrations

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MMDadoda

2/1/2019 9:18:59 AM



#26

2,2-Dichloropropane

Concen: 47.410 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053571.D

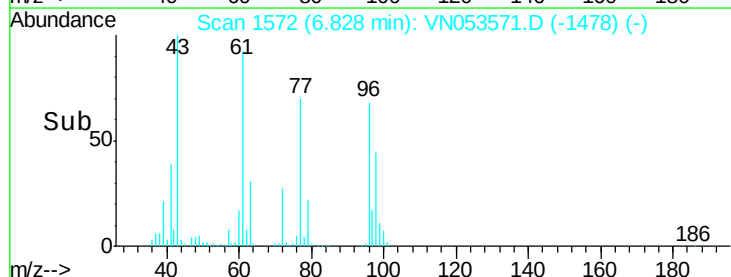
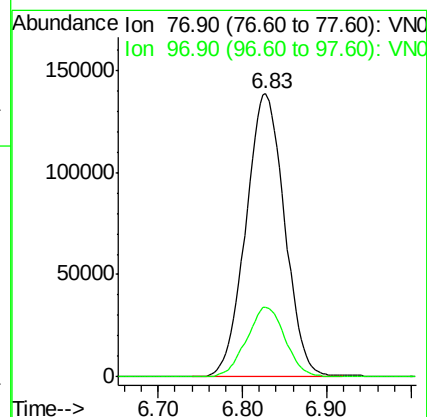
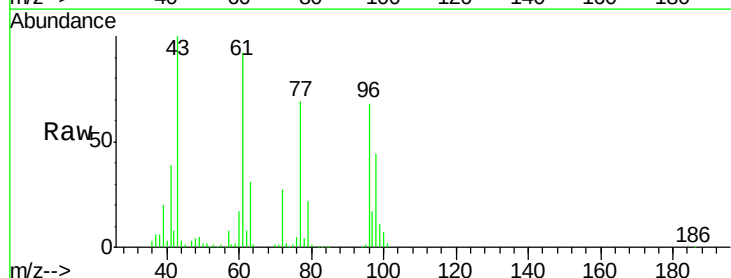
Acq: 30 Jan 2019 19:32

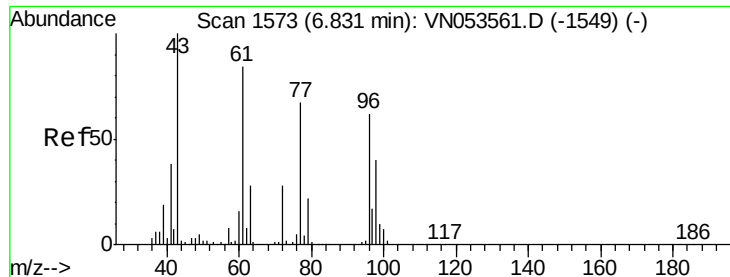
Tgt Ion: 77 Resp: 442087

Ion Ratio Lower Upper

77 100

97 24.4 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 52.367 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053571.D

Acq: 30 Jan 2019 19:32

Instrument :

MSVOA_N

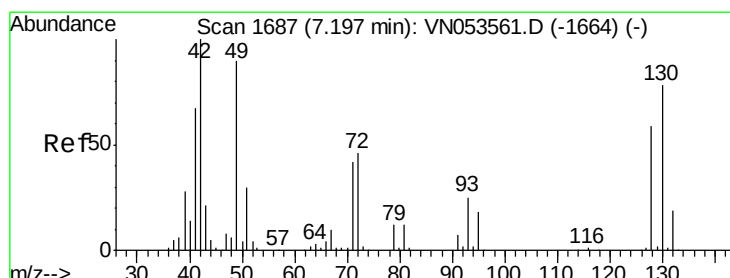
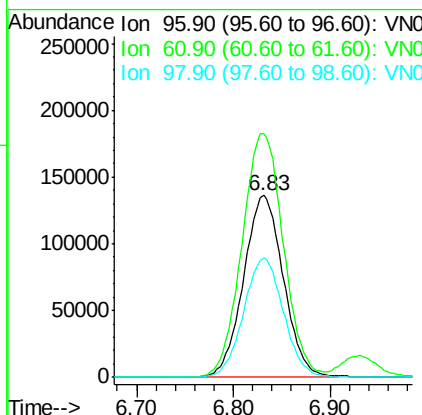
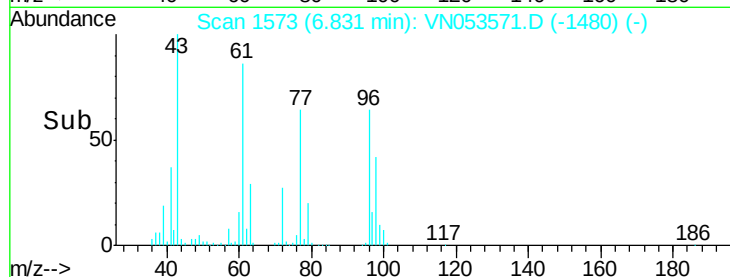
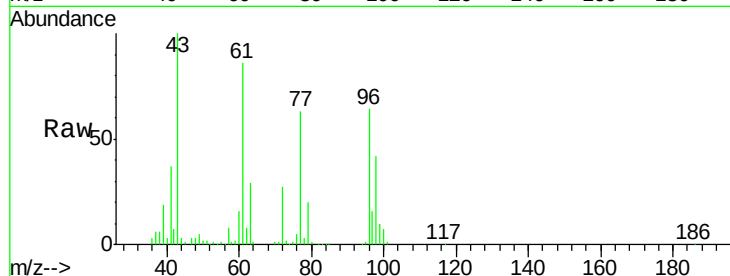
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	96	Resp:	389984
Ion	Ratio	Lower	Upper
96	100		
61	139.2	0.0	283.8
98	65.9	0.0	129.2

Manual Integrations
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#28

Bromochloromethane

Concen: 52.186 ug/l

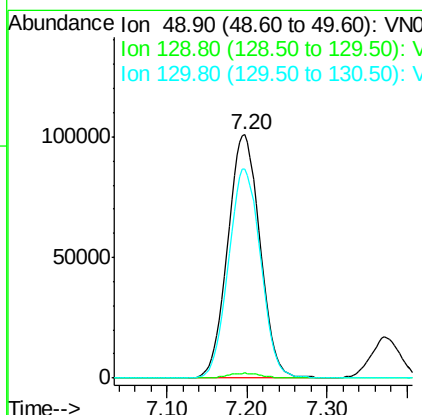
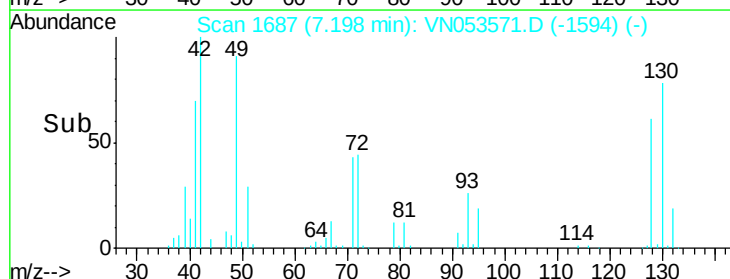
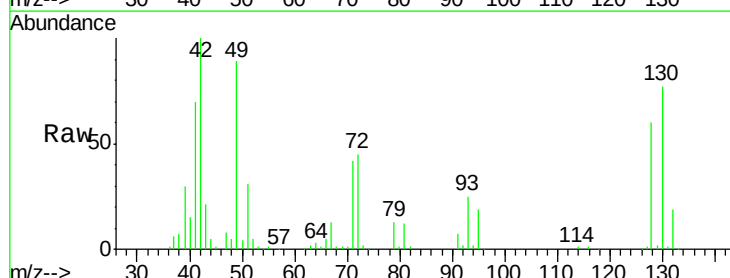
RT: 7.20 min Scan# 1687

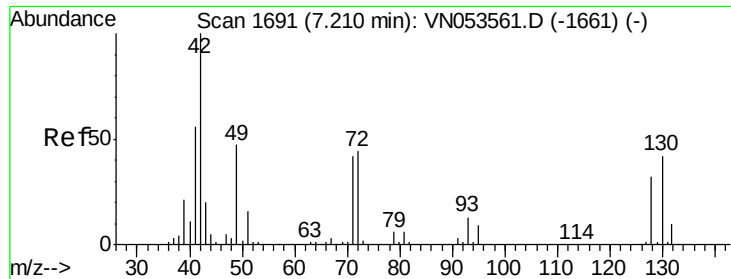
Delta R.T. 0.00 min

Lab File: VN053571.D

Acq: 30 Jan 2019 19:32

Tgt Ion:	49	Resp:	276637
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.0
130	85.7	66.3	99.5





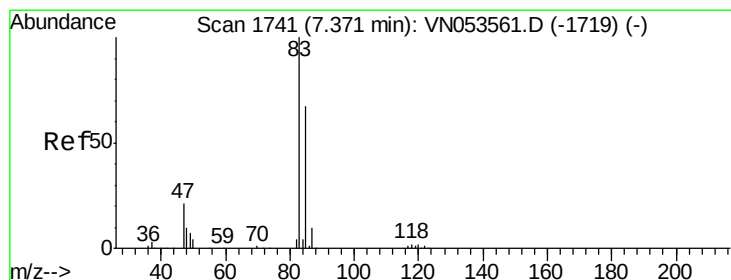
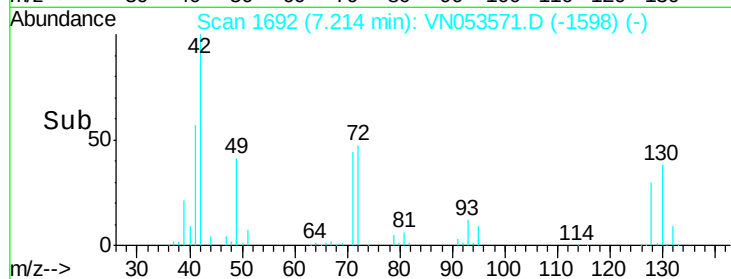
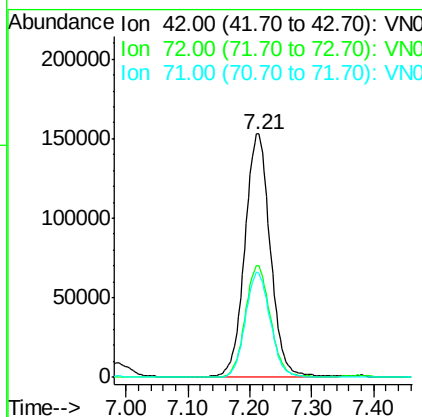
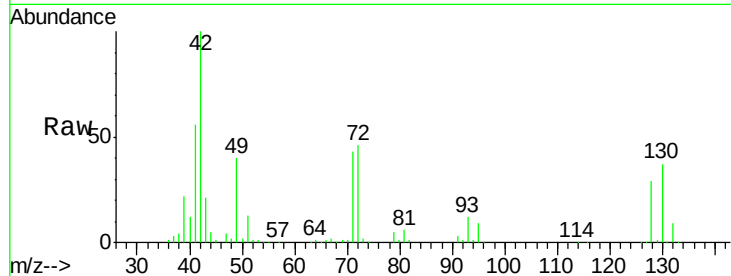
#29
Tetrahydrofuran
Concen: 278.906 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN053571.D
Acq: 30 Jan 2019 19:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
42	100		
72	44.9	35.2	52.8
71	41.8	33.0	49.4

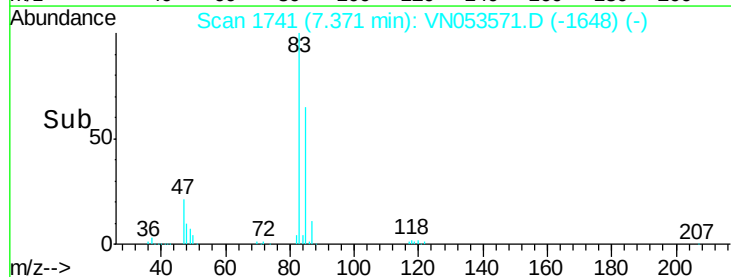
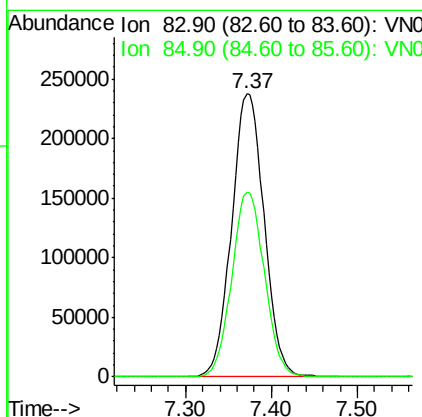
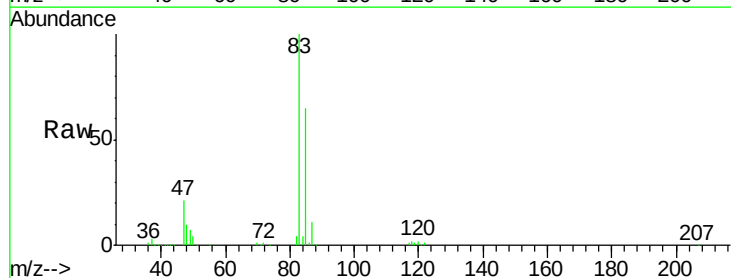
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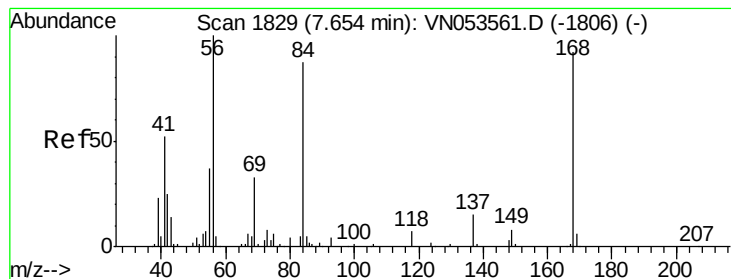
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#30
Chloroform
Concen: 51.503 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053571.D
Acq: 30 Jan 2019 19:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.2	78.2





#31

Cyclohexane

Concen: 50.799 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053571.D

Acq: 30 Jan 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 577707
Ion Ratio Lower Upper

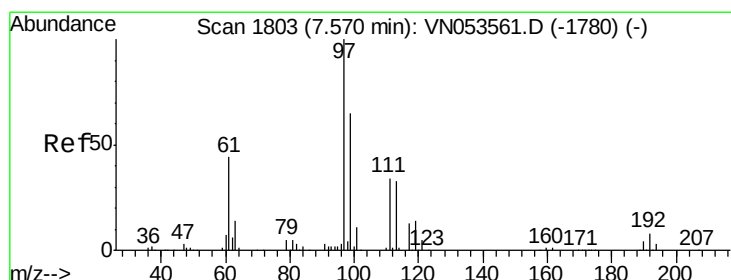
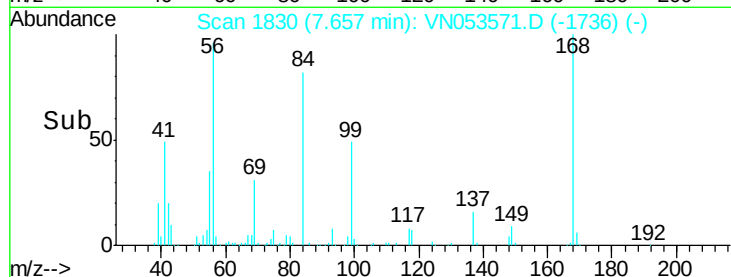
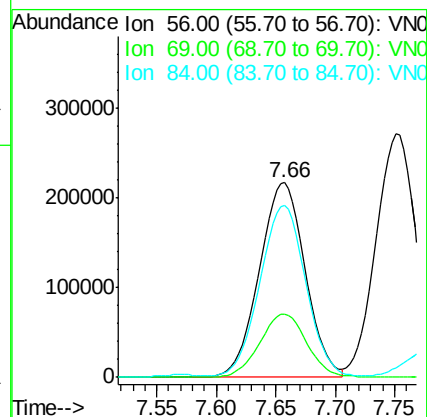
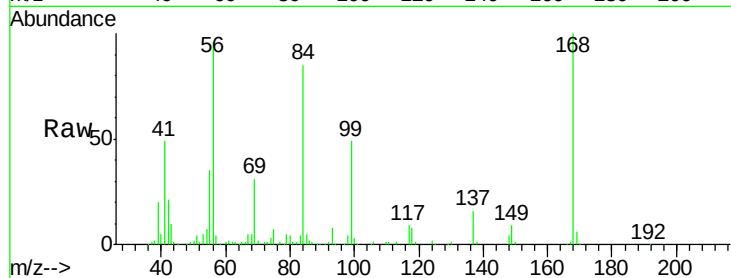
56 100

69 32.8 26.4 39.6

84 87.2 67.9 101.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 52.408 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053571.D

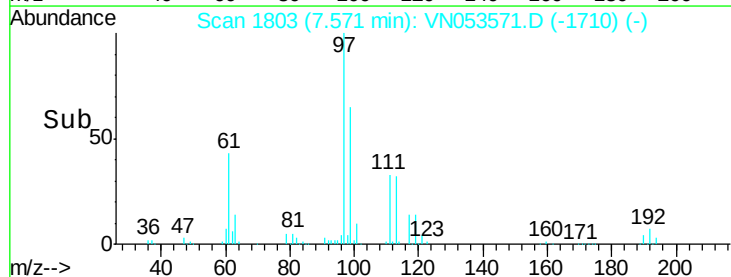
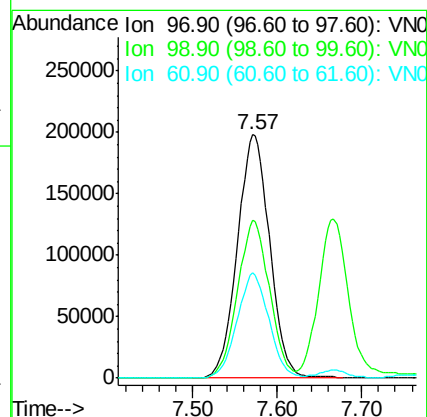
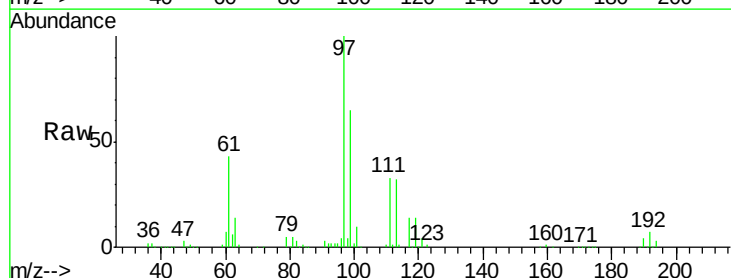
Acq: 30 Jan 2019 19:32

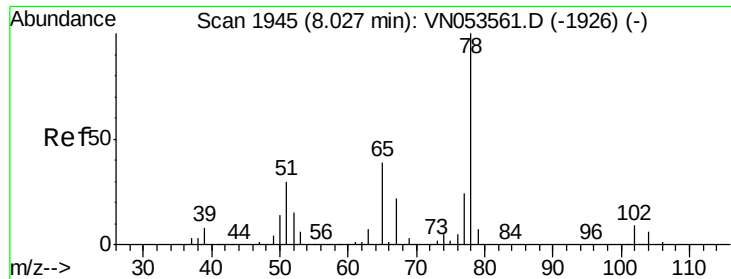
Tgt Ion: 97 Resp: 528133
Ion Ratio Lower Upper

97 100

99 64.4 52.0 78.0

61 42.5 34.4 51.6





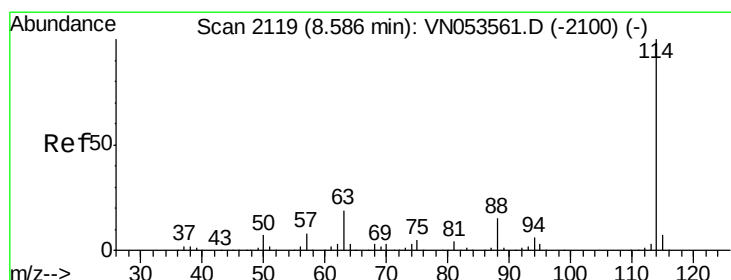
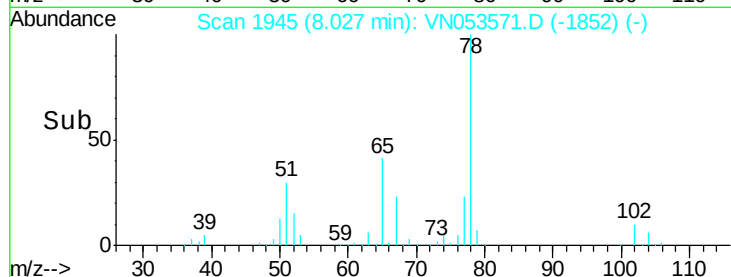
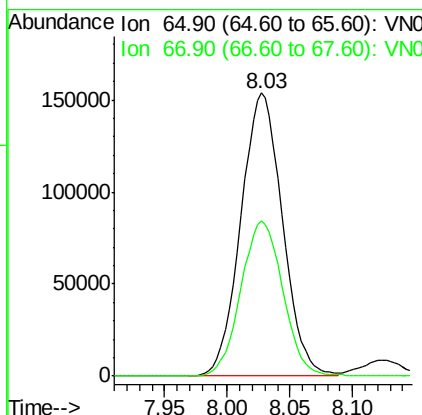
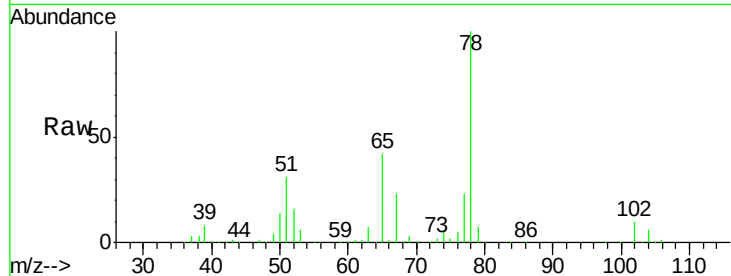
#33
 1,2-Dichloroethane-d4
 Concen: 52.871 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053571.D
 Acq: 30 Jan 2019 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 65 Resp: 35557
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 111.2

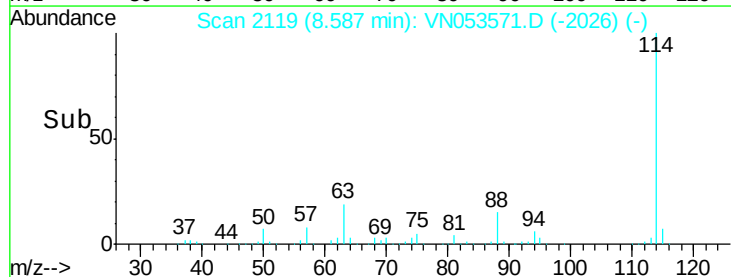
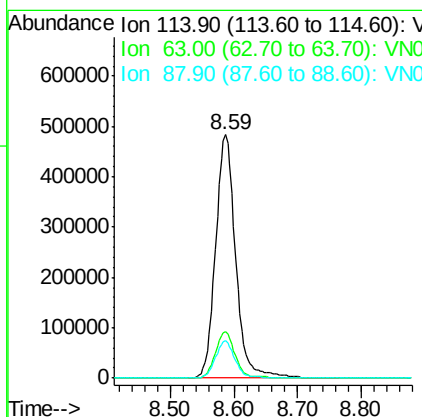
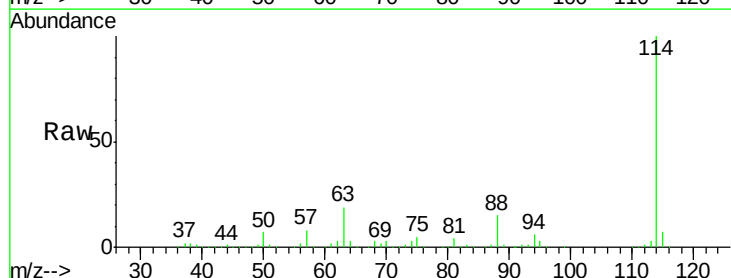
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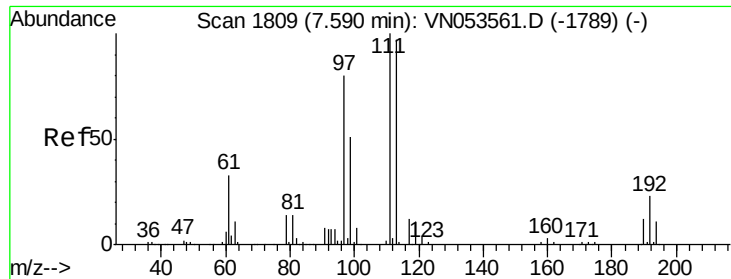
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053571.D
 Acq: 30 Jan 2019 19:32

Tgt Ion: 114 Resp: 1059741
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.6
 88 15.3 0.0 30.4





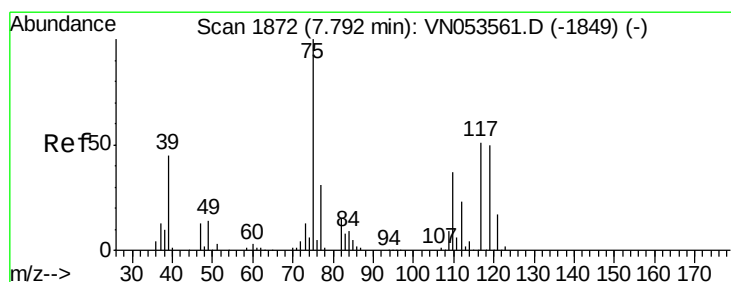
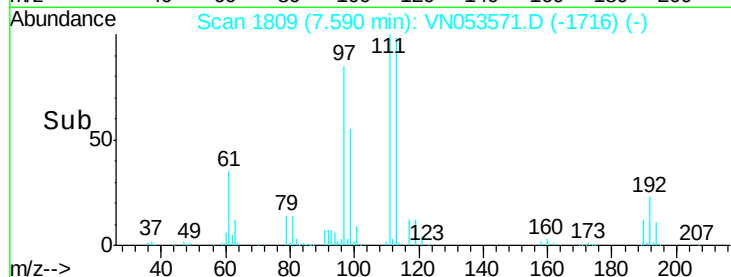
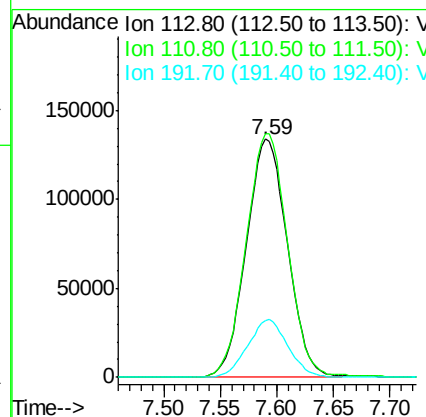
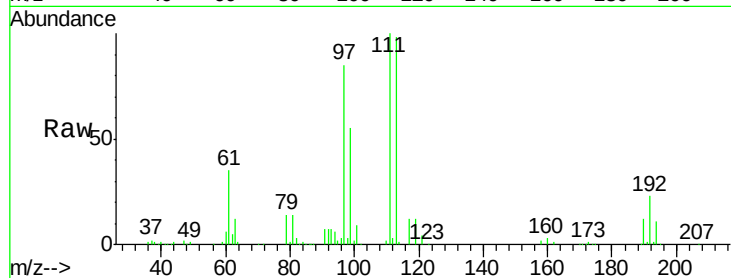
#35
 Dibromofluoromethane
 Concen: 50.614 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053571.D
 Acq: 30 Jan 2019 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	338922		
111	103.5	81.1	121.7	
192	23.7	18.2	27.2	

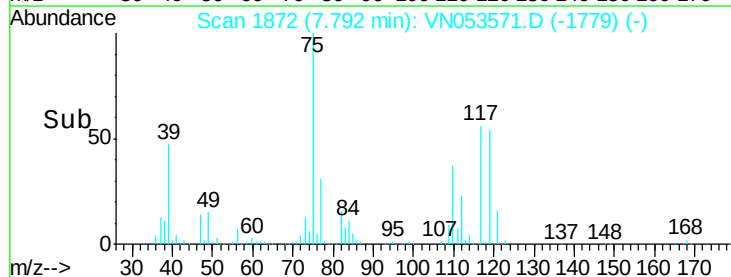
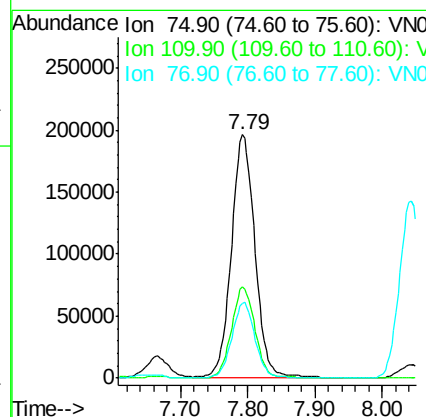
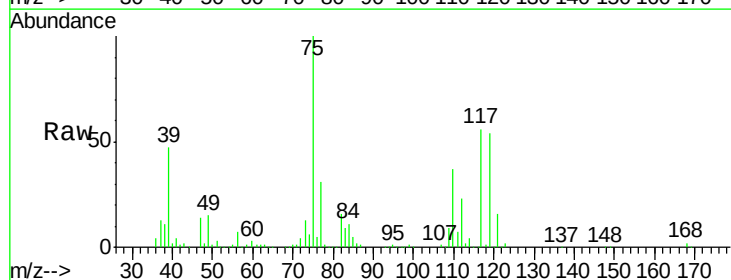
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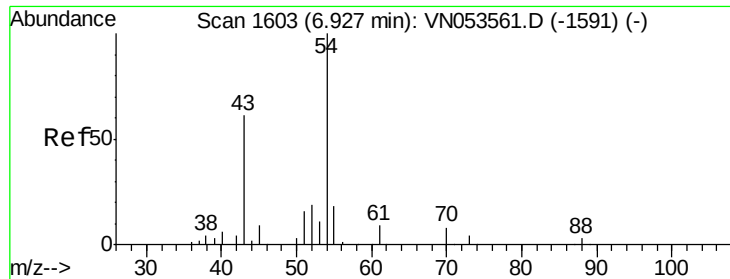
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#36
 1,1-Dichloropropene
 Concen: 50.148 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053571.D
 Acq: 30 Jan 2019 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	479064		
110	37.3	18.1	54.3	
77	31.0	25.1	37.7	





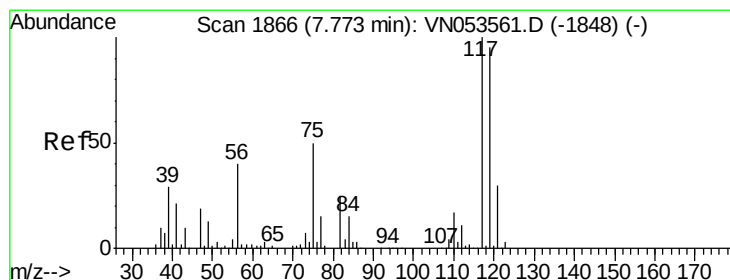
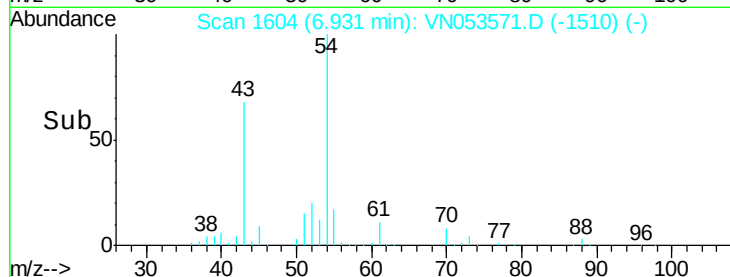
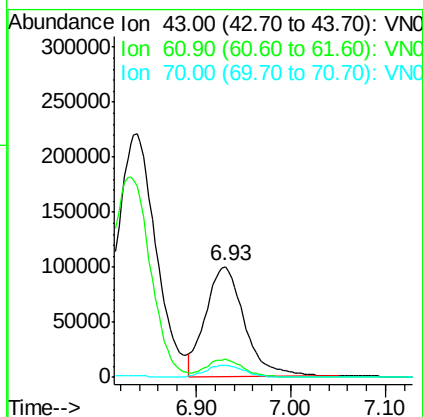
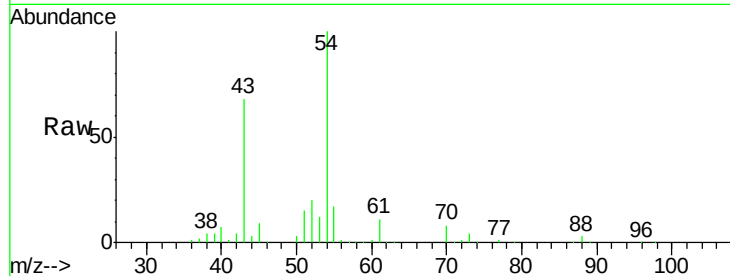
#37
Ethyl Acetate
 Concen: 53.404 ug/l
 RT: 6.93 min Scan# 1604
 Delta R.T. 0.00 min
 Lab File: VN053571.D
 Acq: 30 Jan 2019 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.7	11.8	17.6
70	10.7	8.6	12.8

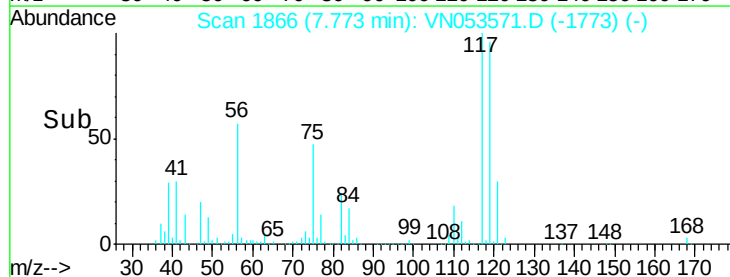
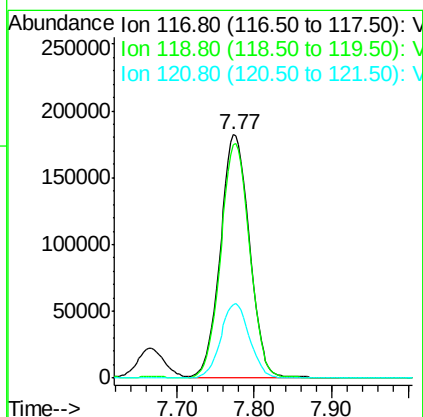
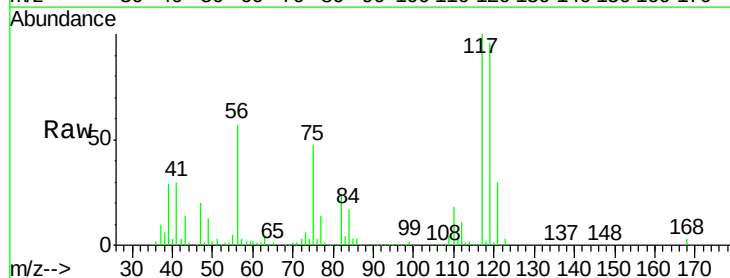
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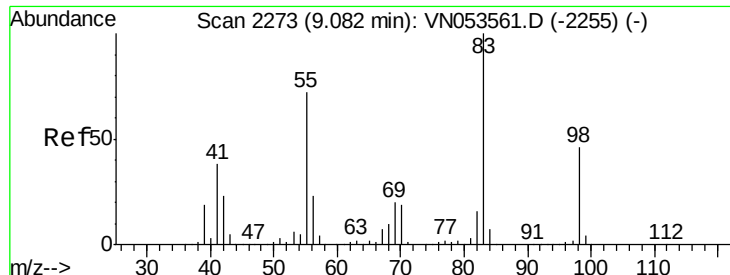
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#38
Carbon Tetrachloride
 Concen: 49.356 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN053571.D
 Acq: 30 Jan 2019 19:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	77.2	115.8
121	30.3	24.6	37.0





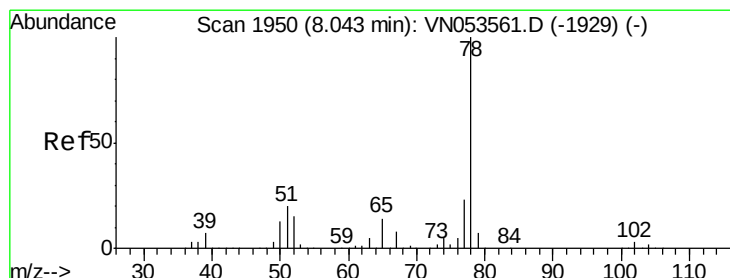
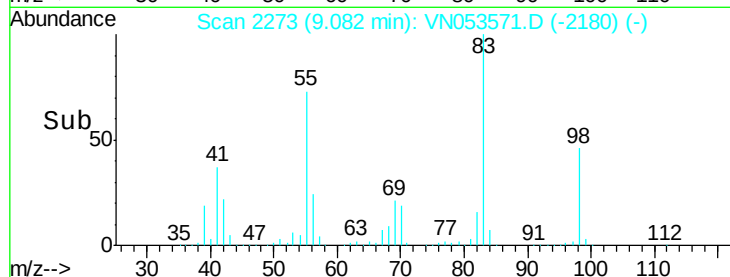
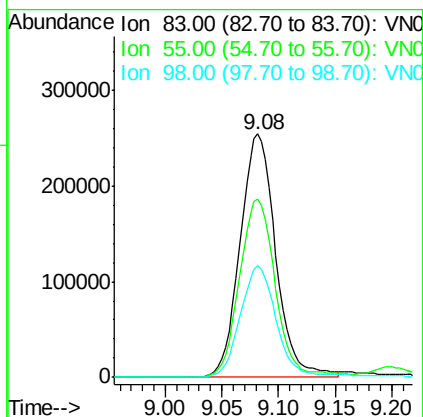
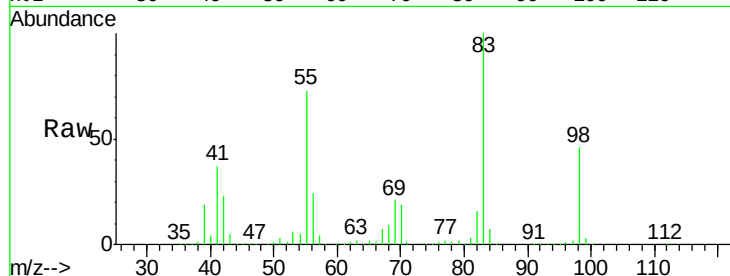
#39
Methylcyclohexane
Concen: 49.243 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053571.D
Acq: 30 Jan 2019 19:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
83	100		
55	73.3	60.1	90.1
98	45.8	36.6	55.0

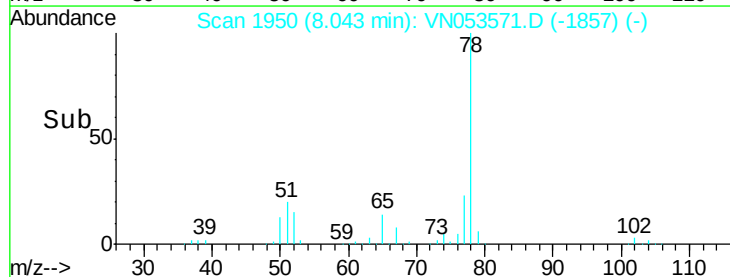
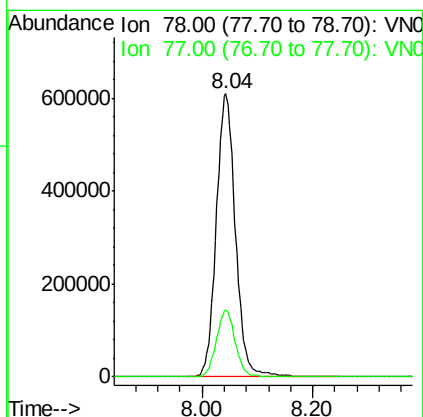
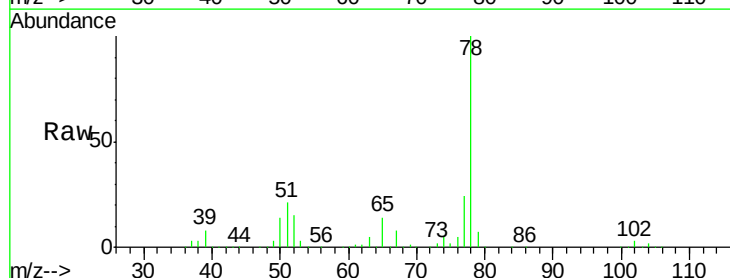
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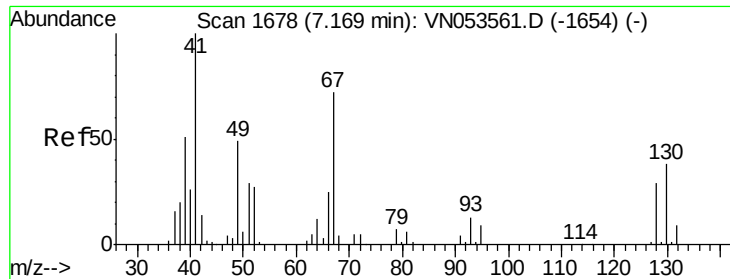
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#40
Benzene
Concen: 49.606 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053571.D
Acq: 30 Jan 2019 19:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2





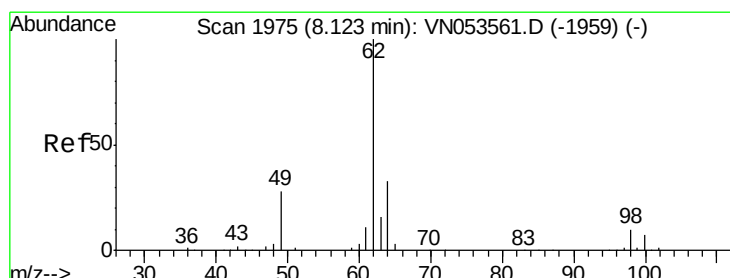
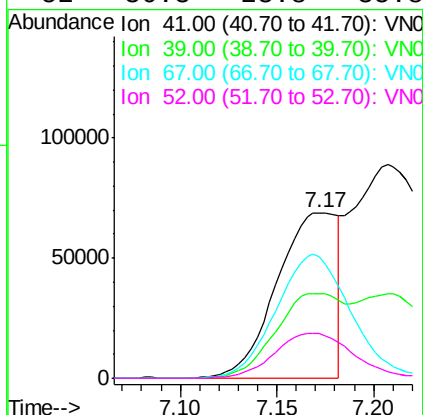
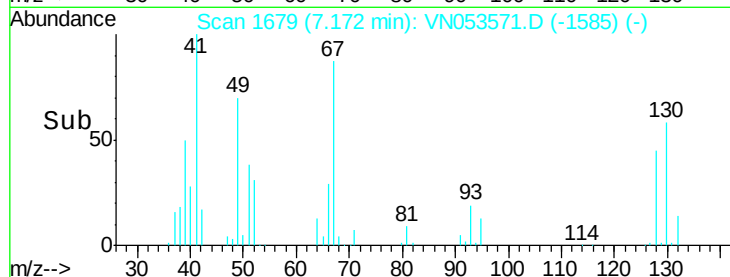
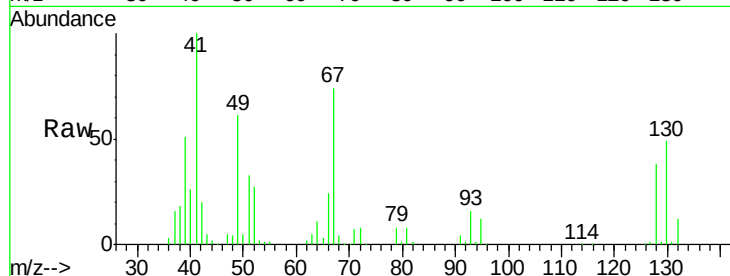
#41
Methacrylonitrile
Concen: 50.227 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN053571.D
Acq: 30 Jan 2019 19:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
41	100		
39	59.6	46.8	70.2
67	93.8	63.0	94.6
52	36.3	23.8	35.8#

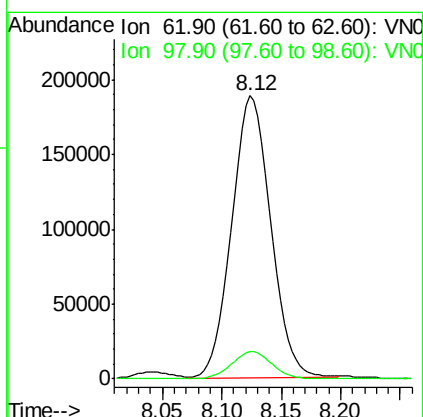
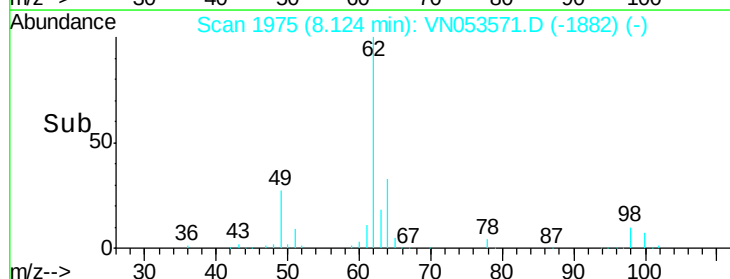
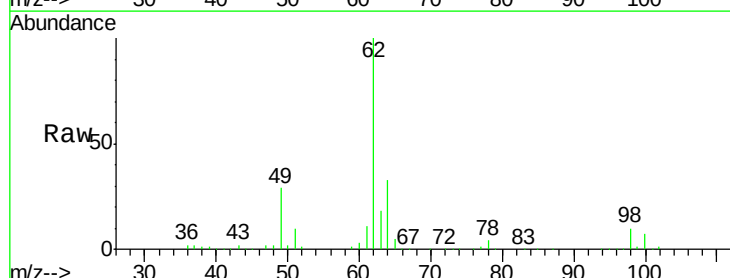
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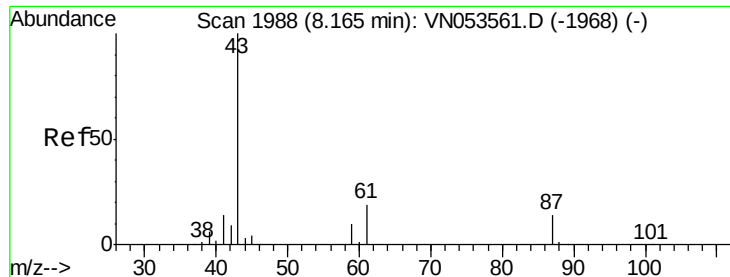
MMDadoda
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#42
1,2-Dichloroethane
Concen: 48.895 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053571.D
Acq: 30 Jan 2019 19:32

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.6





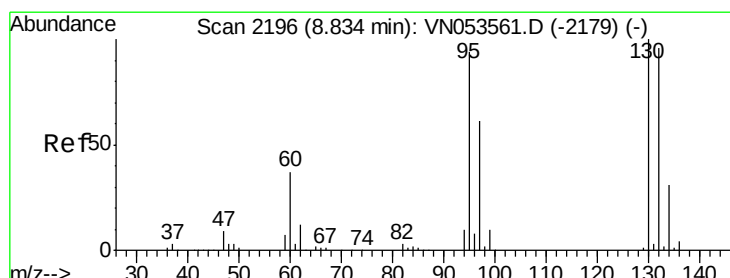
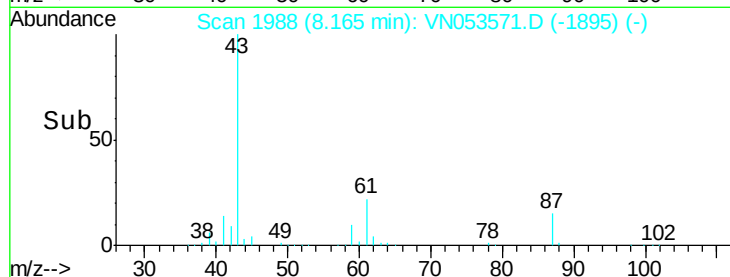
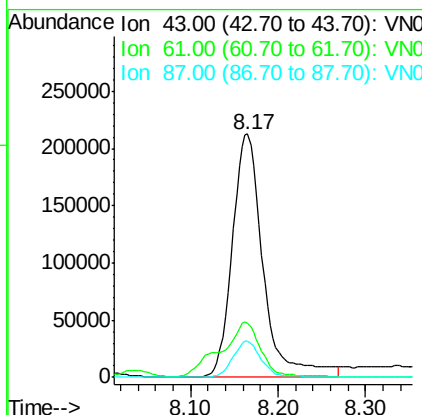
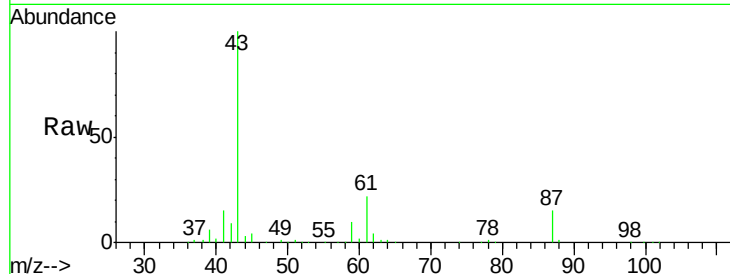
#43
Isopropyl Acetate
Concen: 50.444 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN053571.D
Acq: 30 Jan 2019 19:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
43	100		
61	21.5	23.9	35.9#
87	13.4	11.0	16.6

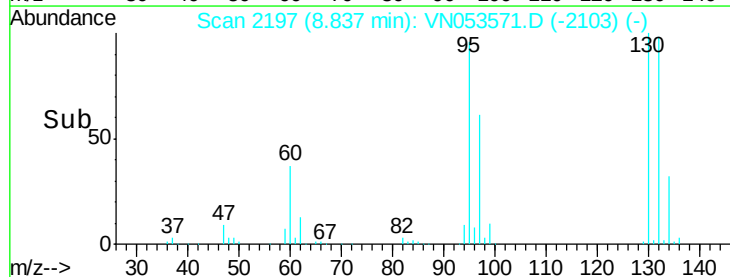
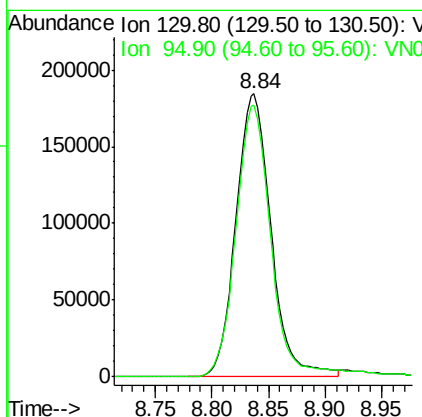
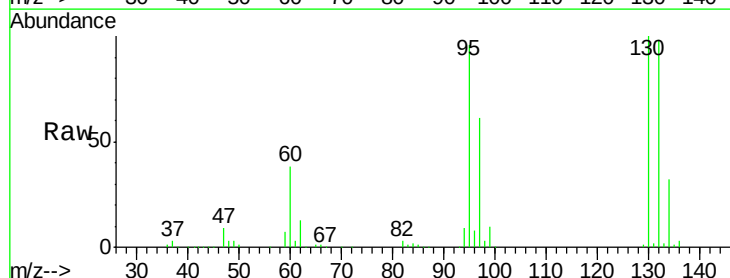
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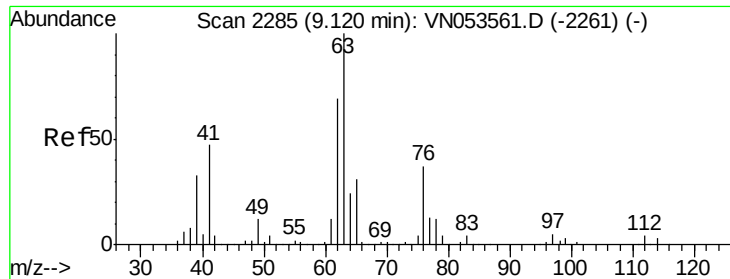
MMDadoda
2/1/2019 9:18:59 AM



#44
Trichloroethene
Concen: 47.615 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN053571.D
Acq: 30 Jan 2019 19:32

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.0	0.0	191.4





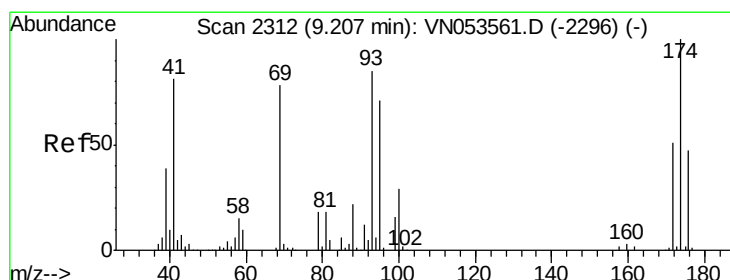
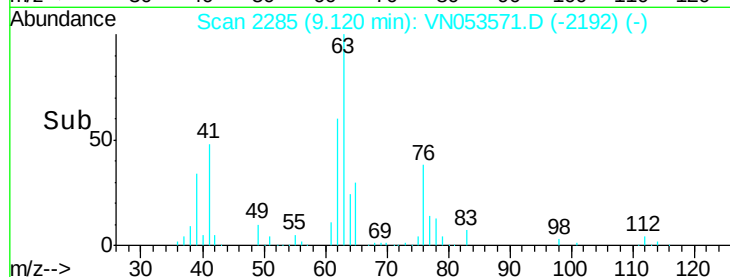
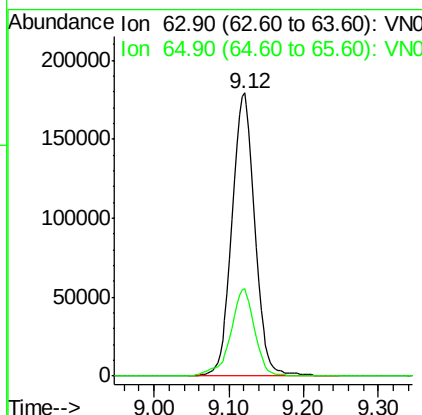
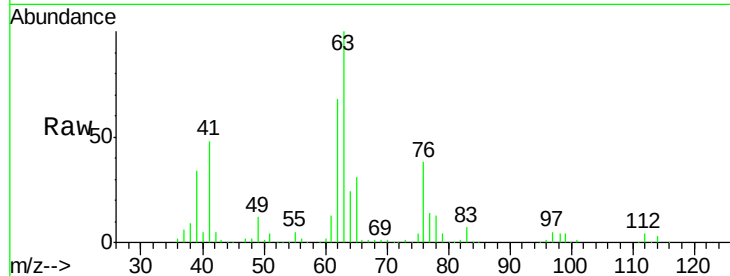
#45
 1,2-Dichloropropane
 Concen: 50.733 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053571.D
 Acq: 30 Jan 2019 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 63 Resp: 382258
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.0 37.4

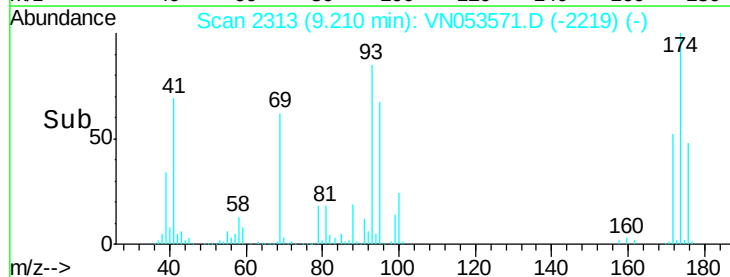
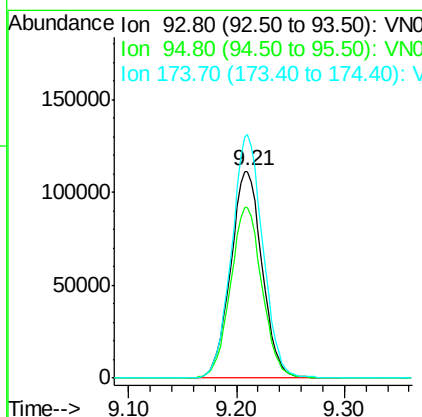
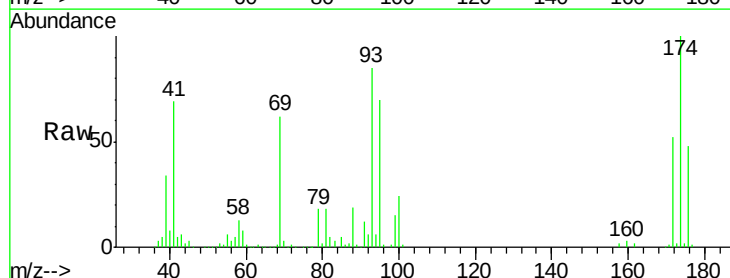
Manual Integrations
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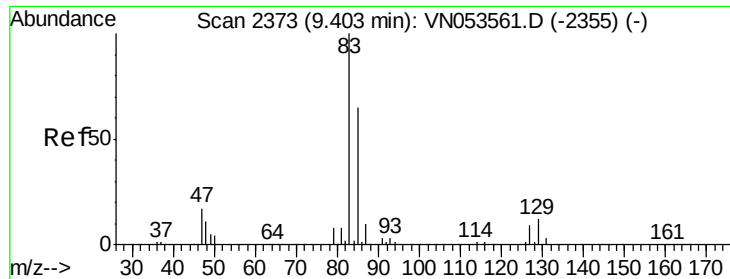
MMDadoda
 2/1/2019 9:18:59 AM



#46
 Dibromomethane
 Concen: 49.961 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053571.D
 Acq: 30 Jan 2019 19:32

Tgt Ion: 93 Resp: 226927
 Ion Ratio Lower Upper
 93 100
 95 83.0 67.3 100.9
 174 116.3 91.0 136.4





#47

Bromodichloromethane

Concen: 49.848 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053571.D

Acq: 30 Jan 2019 19:32

Instrument :

MSVOA_N

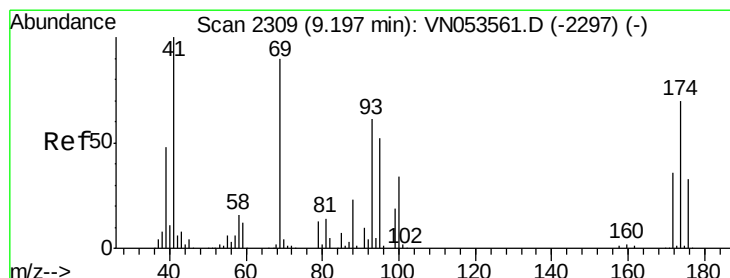
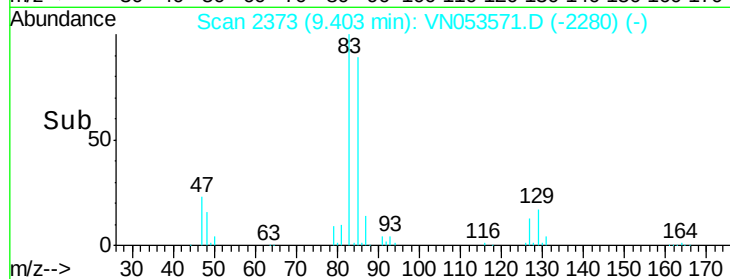
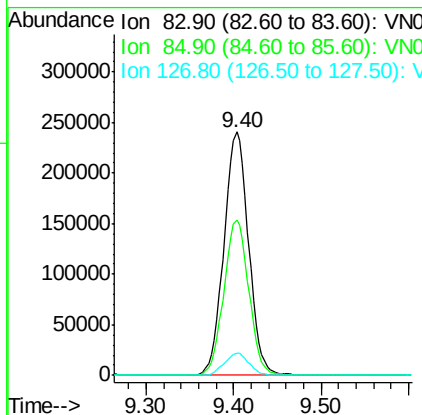
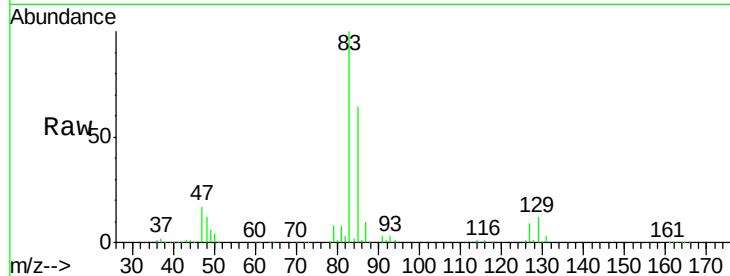
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	83	Resp:	470753
Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.0	76.6
127	9.4	7.0	10.6

Manual Integrations
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MMDadoda
2/1/2019 9:18:59 AM



#48

Methyl methacrylate

Concen: 49.327 ug/l

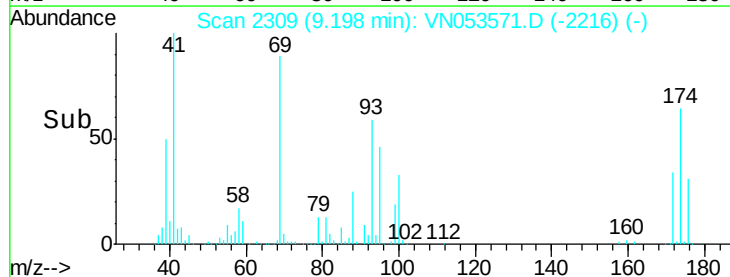
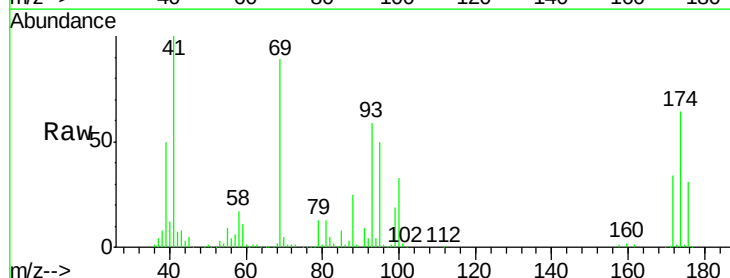
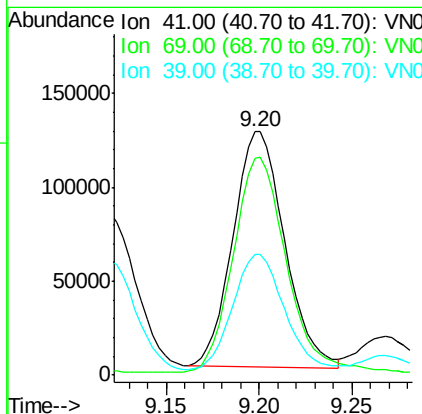
RT: 9.20 min Scan# 2309

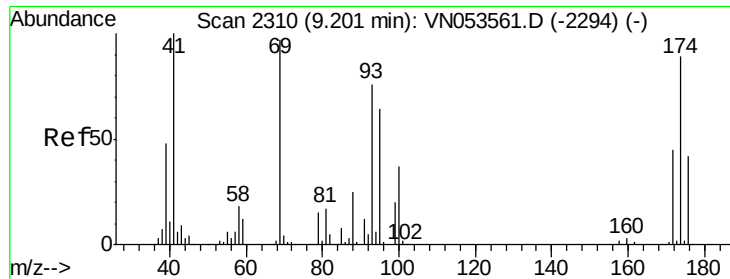
Delta R.T. 0.00 min

Lab File: VN053571.D

Acq: 30 Jan 2019 19:32

Tgt Ion:	41	Resp:	242607
Ion	Ratio	Lower	Upper
41	100		
69	99.3	73.8	110.6
39	54.0	40.0	60.0





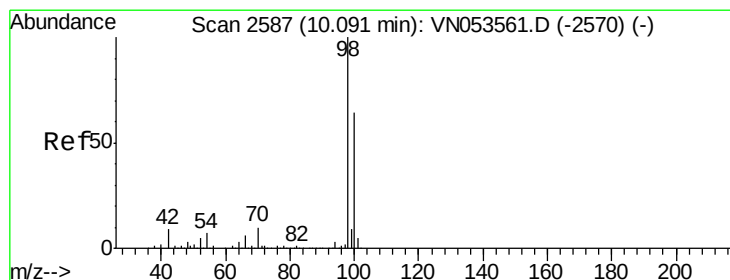
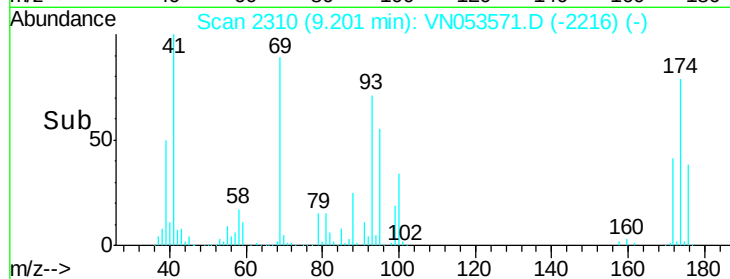
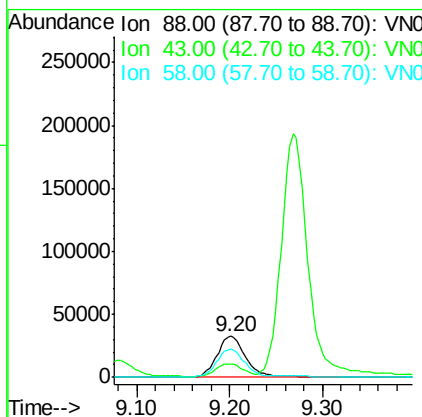
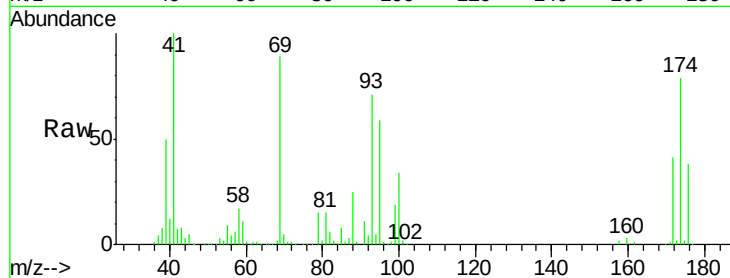
#49
1,4-Dioxane
Concen: 998.755 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053571.D
Acq: 30 Jan 2019 19:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
88	100		
43	28.6	27.8	41.6
58	66.9	56.5	84.7

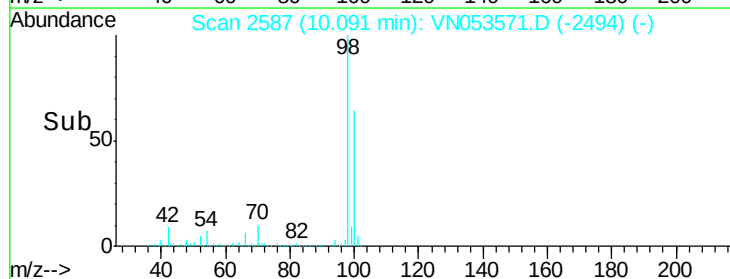
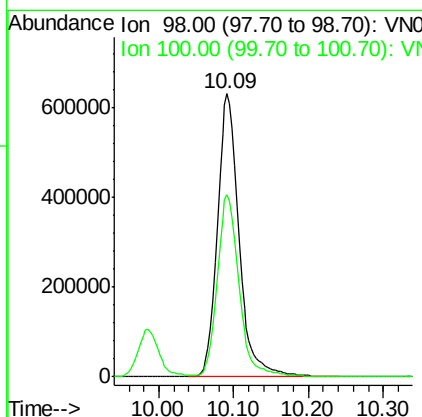
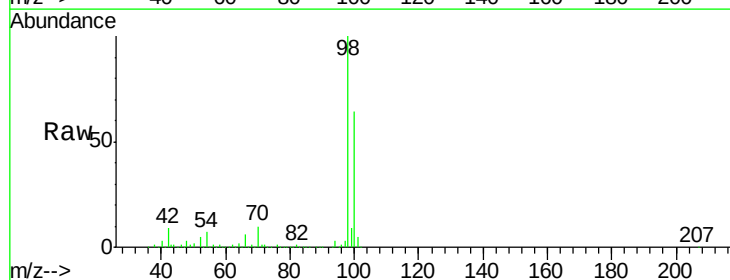
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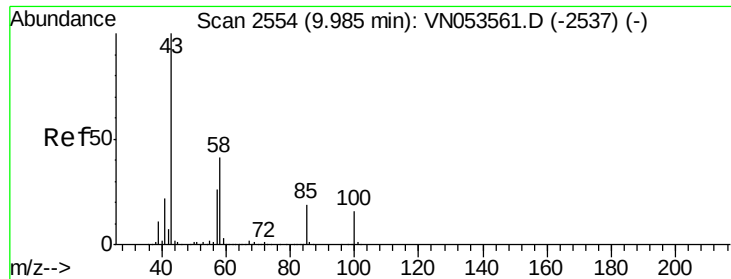
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#50
Toluene-d8
Concen: 50.409 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053571.D
Acq: 30 Jan 2019 19:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.4	77.0





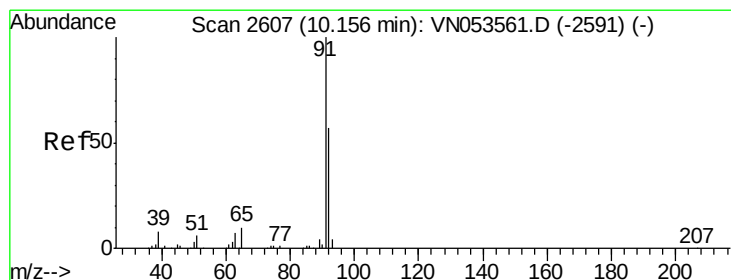
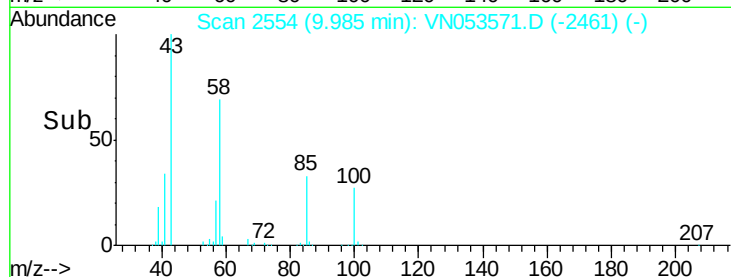
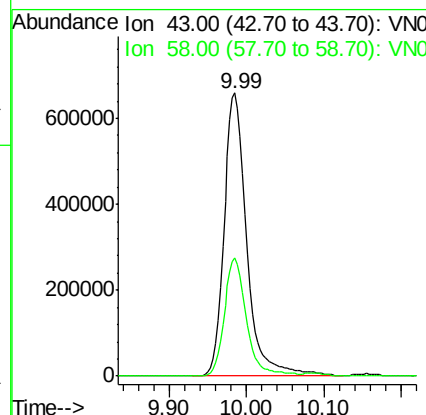
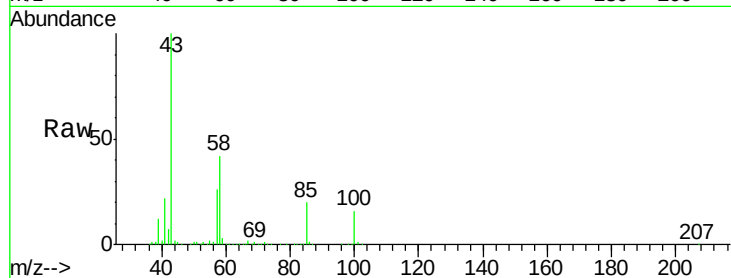
#51
 4-Methyl-2-Pentanone
 Concen: 266.779 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN053571.D
 Acq: 30 Jan 2019 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 43 Resp: 1350768
 Ion Ratio Lower Upper
 43 100
 58 40.8 32.8 49.2

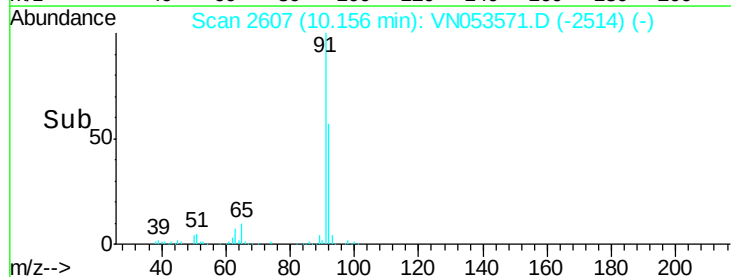
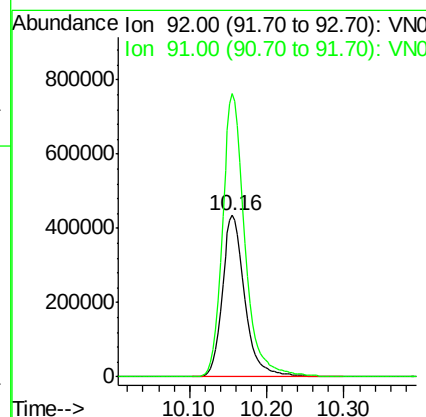
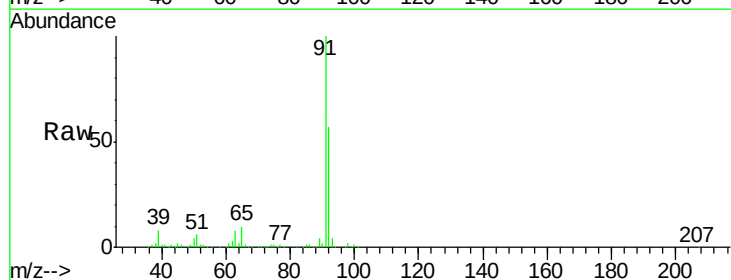
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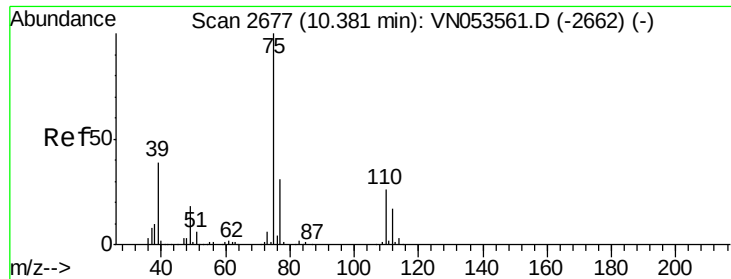
MMDadoda
 2/1/2019 9:18:59 AM



#52
 Toluene
 Concen: 50.815 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN053571.D
 Acq: 30 Jan 2019 19:32

Tgt Ion: 92 Resp: 888425
 Ion Ratio Lower Upper
 92 100
 91 174.5 139.9 209.9





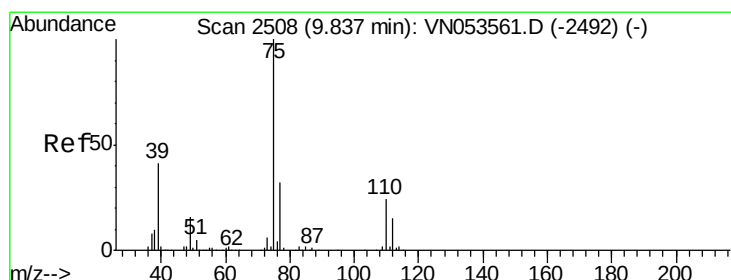
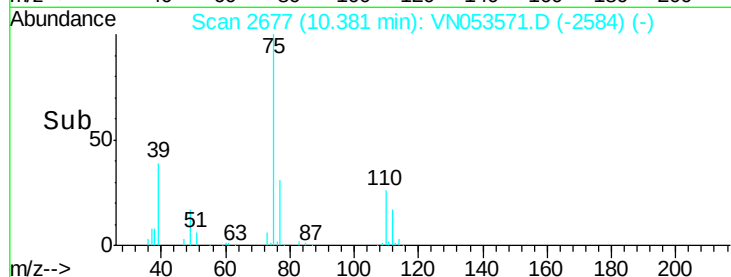
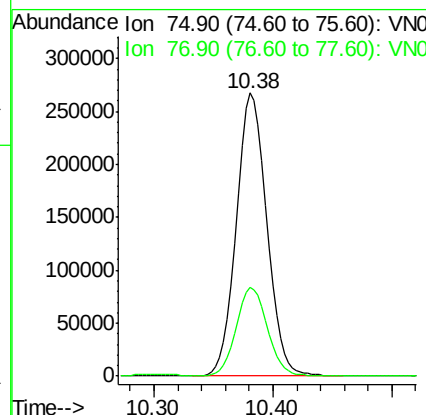
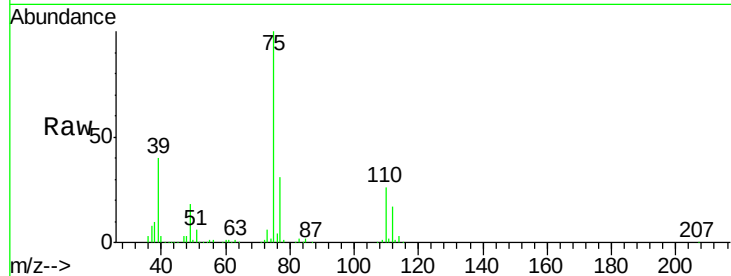
#53
t-1,3-Dichloropropene
Concen: 50.314 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053571.D
Acq: 30 Jan 2019 19:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 475803
Ion Ratio Lower Upper
75 100
77 31.1 25.5 38.3

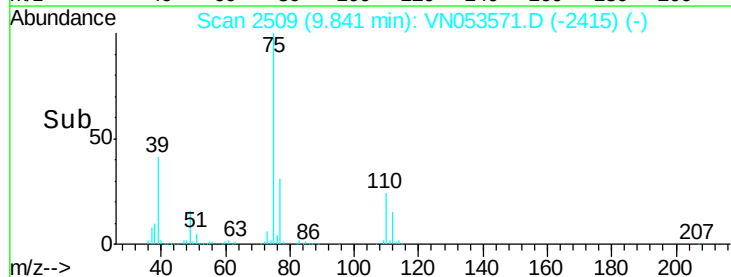
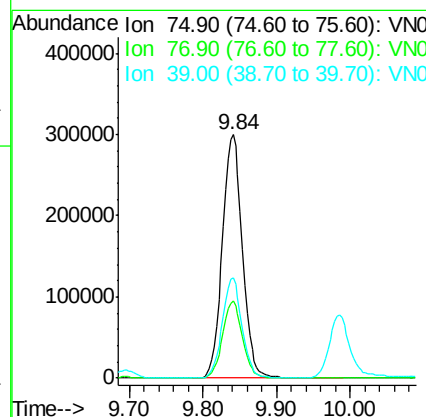
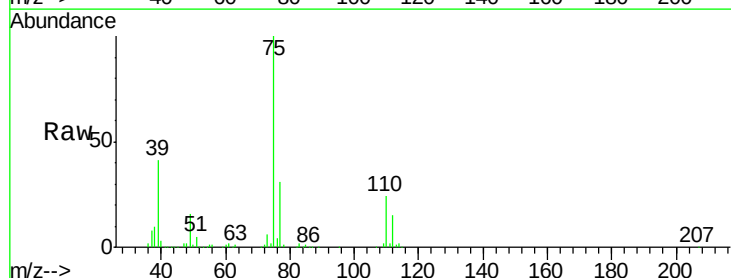
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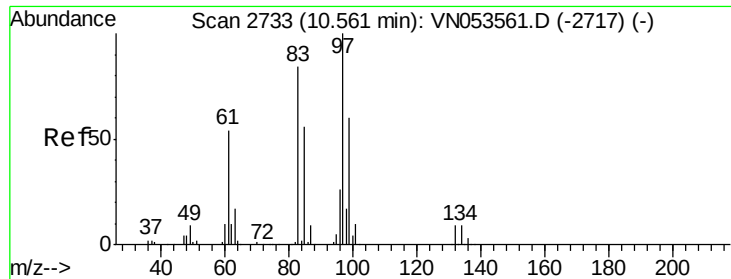
MMDadoda
2/1/2019 9:18:59 AM



#54
cis-1,3-Dichloropropene
Concen: 50.386 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053571.D
Acq: 30 Jan 2019 19:32

Tgt Ion: 75 Resp: 564620
Ion Ratio Lower Upper
75 100
77 31.5 25.8 38.6
39 41.0 33.4 50.0





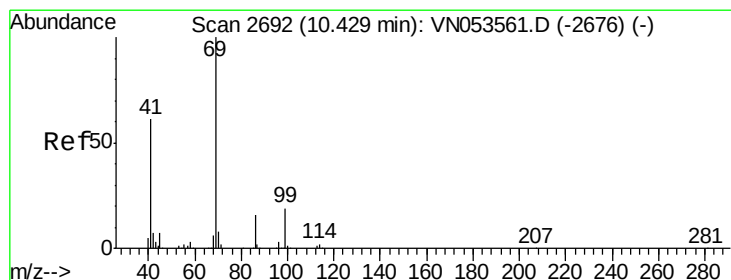
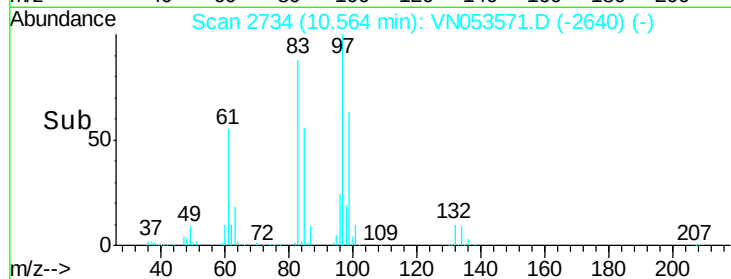
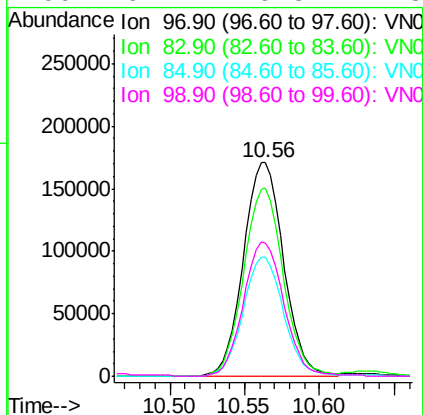
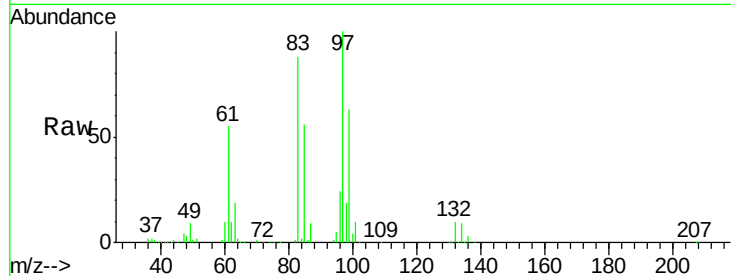
#55
 1,1,2-Trichloroethane
 Concen: 50.801 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053571.D
 Acq: 30 Jan 2019 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.2	70.1	105.1
85	55.6	45.4	68.0
99	62.4	49.8	74.8

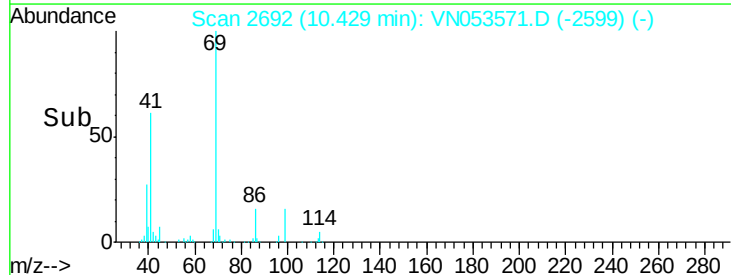
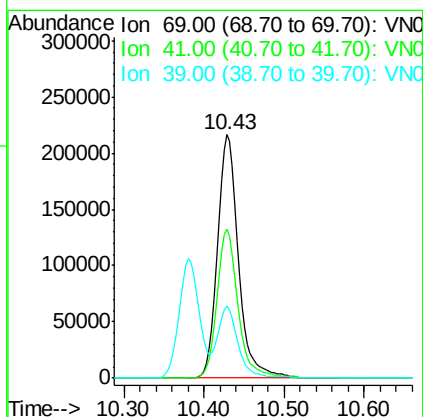
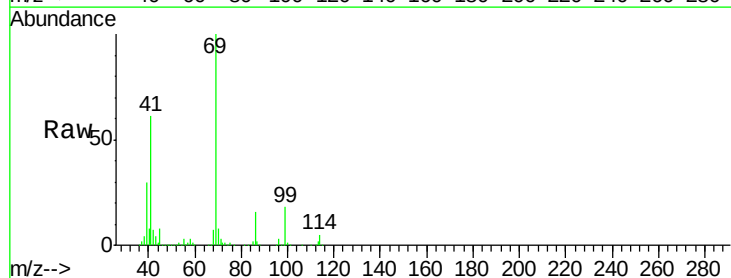
Manual Integrations
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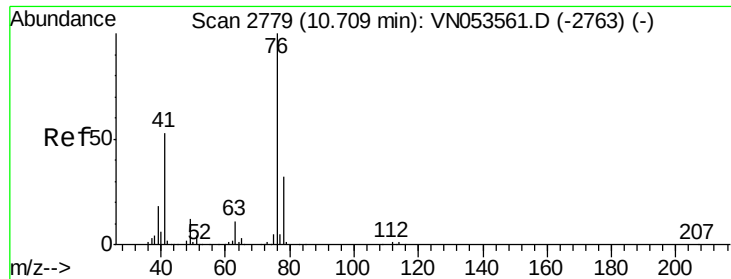
MMDadoda
 2/1/2019 9:18:59 AM



#56
 Ethyl methacrylate
 Concen: 52.929 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053571.D
 Acq: 30 Jan 2019 19:32

Tgt Ion	Ratio	Lower	Upper
69	100		
41	61.3	49.4	74.0
39	28.0	23.3	34.9





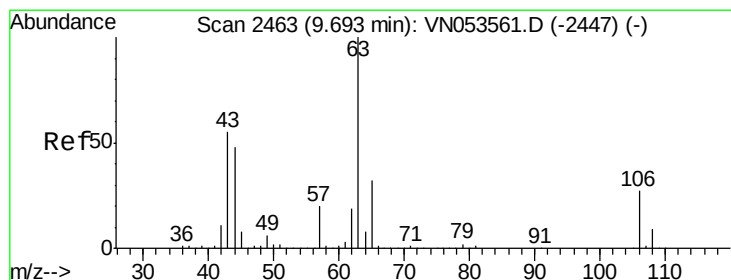
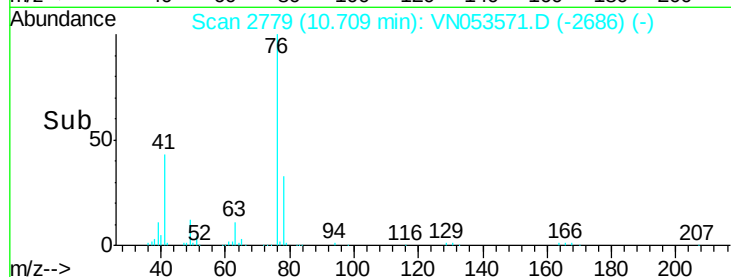
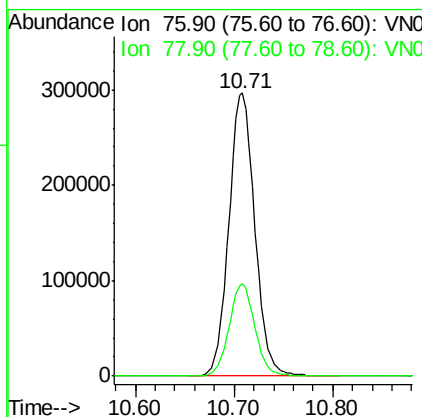
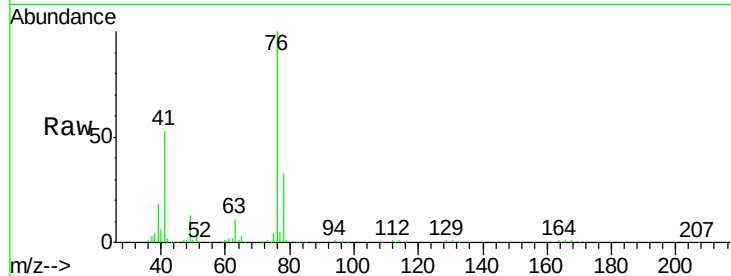
#57
 1,3-Dichloropropane
 Concen: 50.548 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN053571.D
 Acq: 30 Jan 2019 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 76 Resp: 544261
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.6 38.4

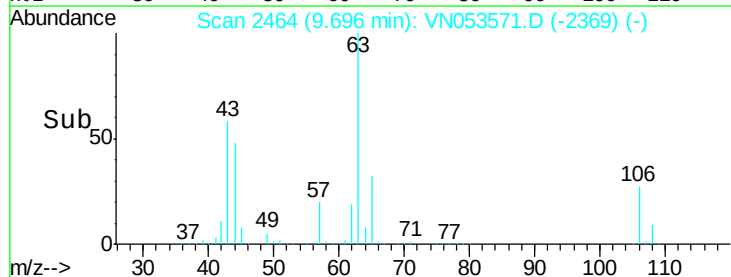
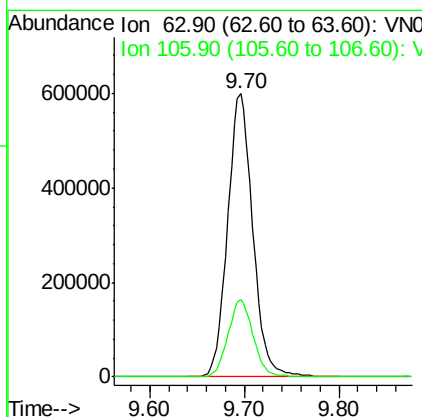
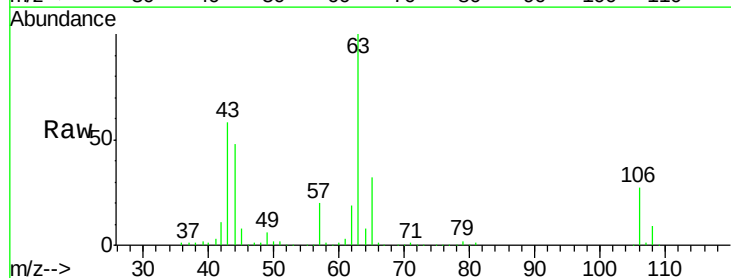
Manual Integrations
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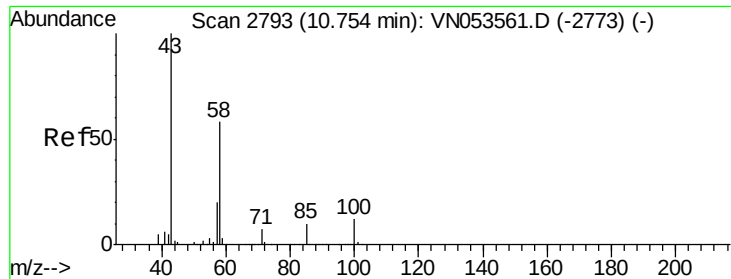
MMDadoda
 2/1/2019 9:18:59 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 239.465 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053571.D
 Acq: 30 Jan 2019 19:32

Tgt Ion: 63 Resp: 1105231
 Ion Ratio Lower Upper
 63 100
 106 27.3 21.5 32.3





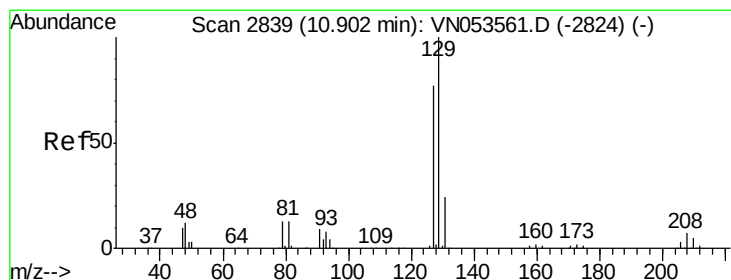
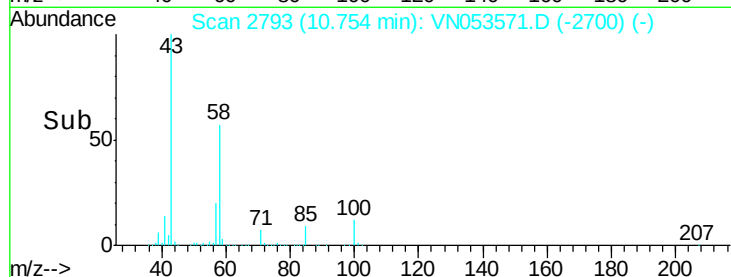
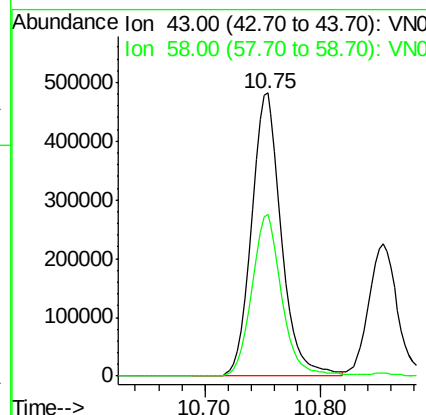
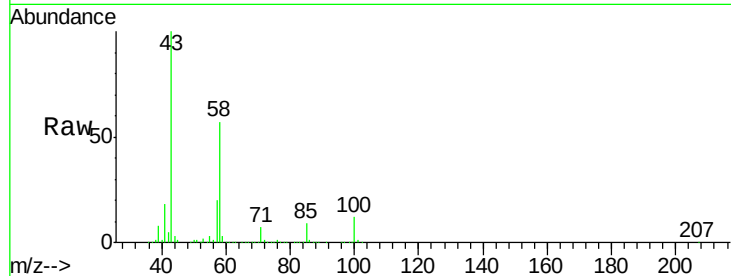
#59
2-Hexanone
Concen: 250.769 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053571.D
Acq: 30 Jan 2019 19:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 861965
Ion Ratio Lower Upper
43 100
58 57.5 28.6 85.8

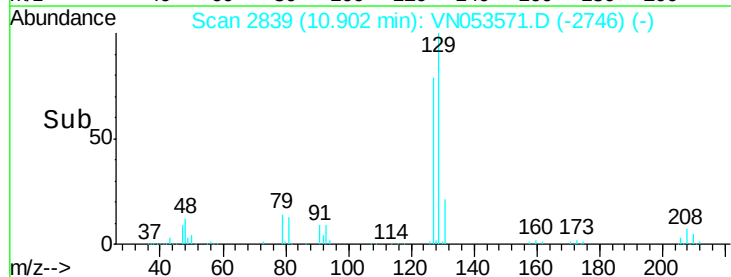
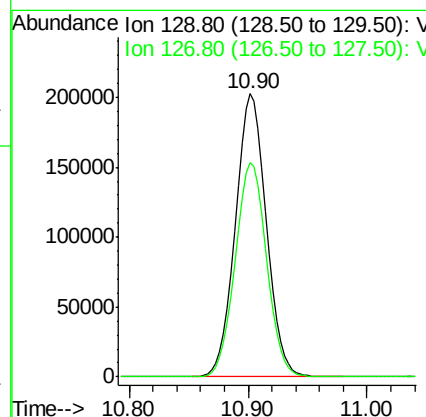
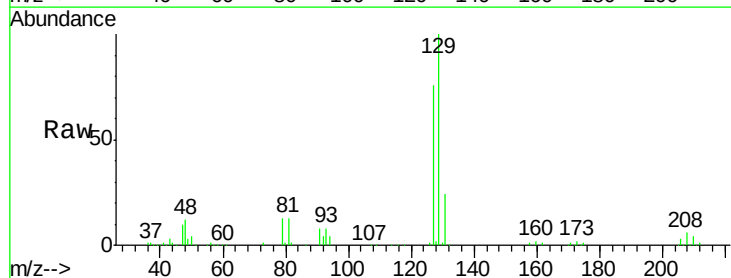
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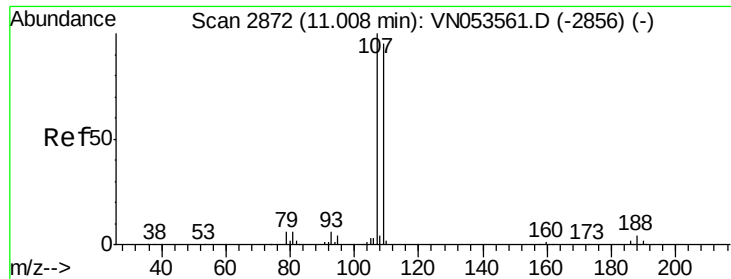
MMDadoda
2/1/2019 9:18:59 AM



#60
Dibromochloromethane
Concen: 51.295 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053571.D
Acq: 30 Jan 2019 19:32

Tgt Ion: 129 Resp: 364422
Ion Ratio Lower Upper
129 100
127 77.0 38.6 115.8





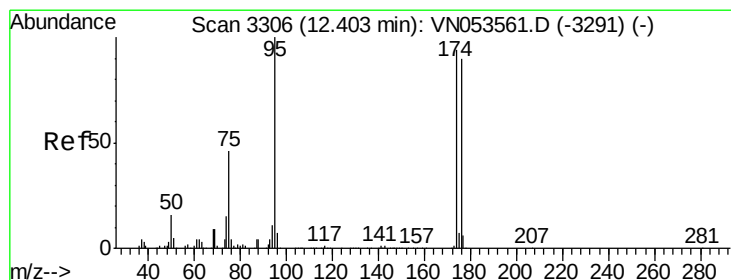
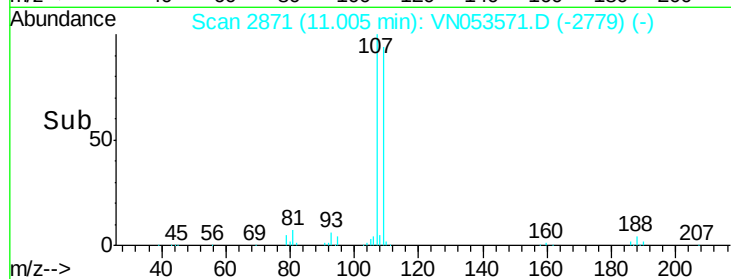
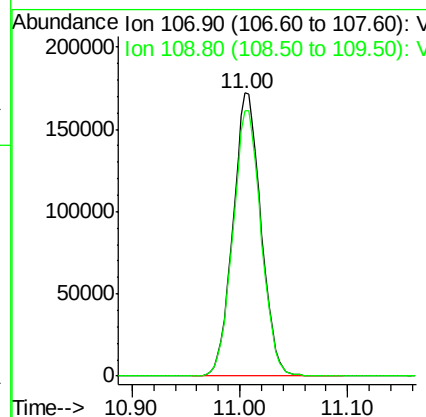
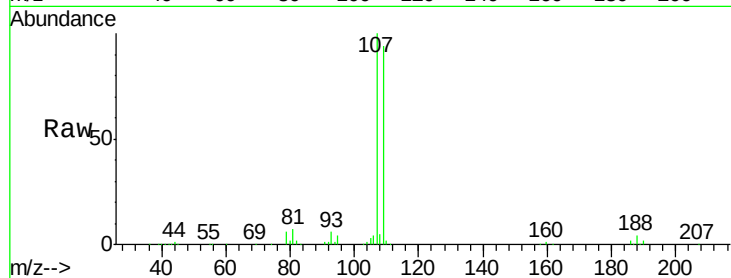
#61
 1,2-Dibromoethane
 Concen: 49.849 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN053571.D
 Acq: 30 Jan 2019 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 107 Resp: 310836
 Ion Ratio Lower Upper
 107 100
 109 95.1 75.7 113.5

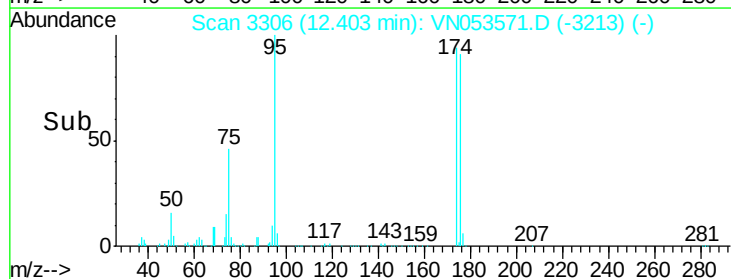
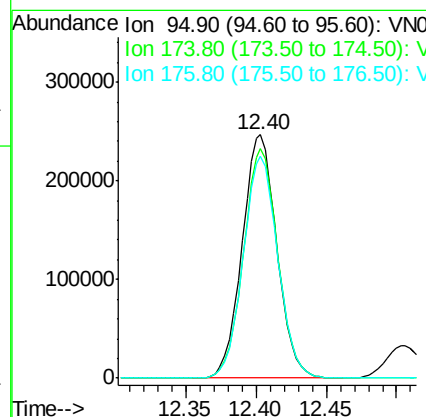
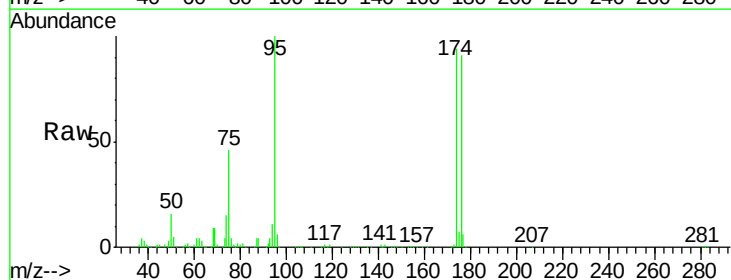
Manual Integrations
 APPROVED

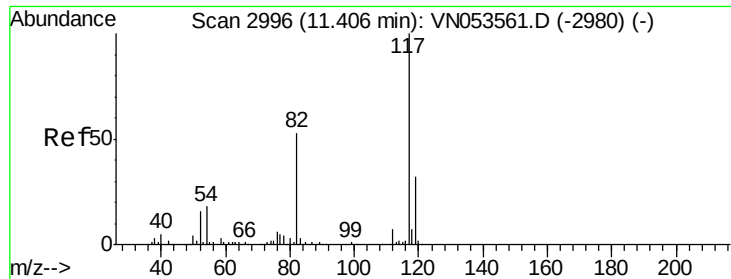
MMDadoda
 2/1/2019 9:18:59 AM



#62
 4-Bromofluorobenzene
 Concen: 50.616 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN053571.D
 Acq: 30 Jan 2019 19:32

Tgt Ion: 95 Resp: 424448
 Ion Ratio Lower Upper
 95 100
 174 93.3 0.0 183.2
 176 91.1 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: VN053571.D

Acq: 30 Jan 2019 19:32

Instrument :

MSVOA_N

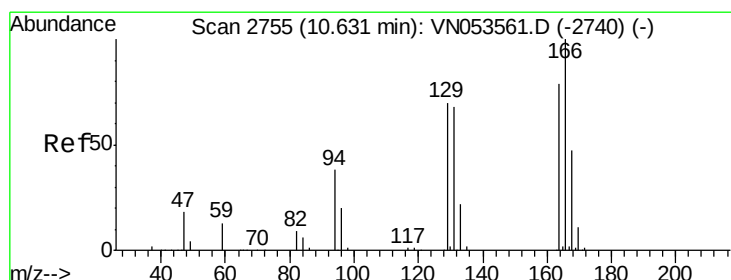
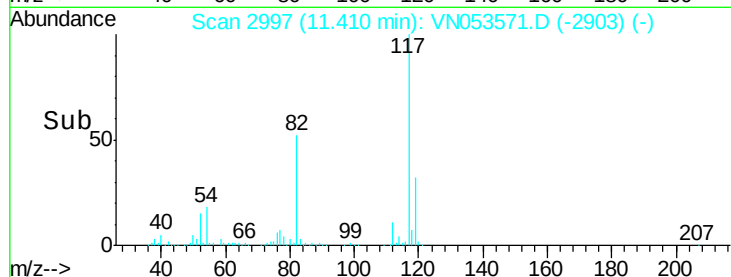
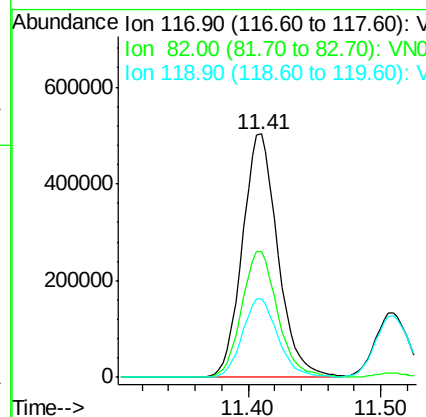
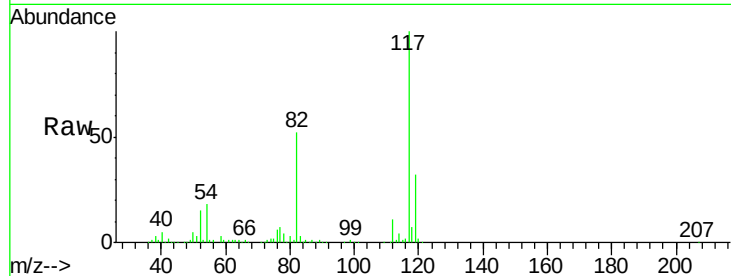
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	117	Resp:	936180
Ion Ratio		Lower	Upper
117	100		
82	51.8	42.9	64.3
119	32.3	26.0	39.0

Manual Integrations
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#64

Tetrachloroethene

Concen: 48.900 ug/l

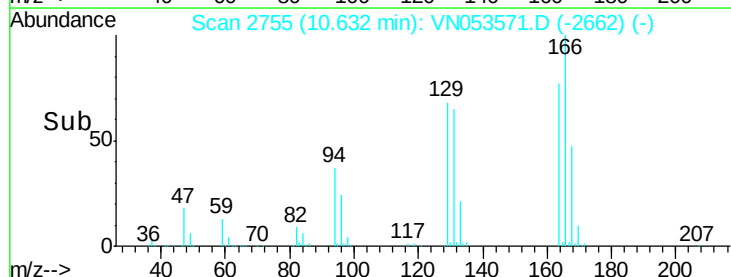
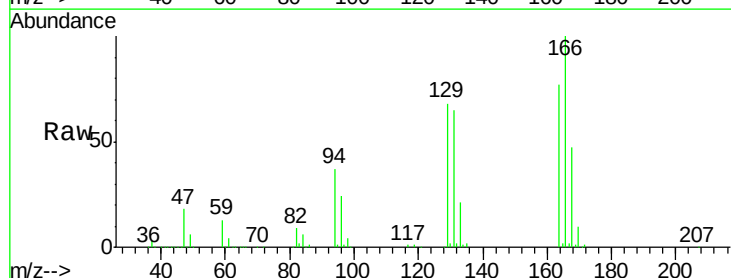
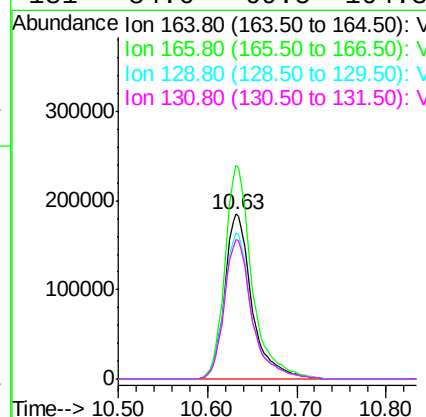
RT: 10.63 min Scan# 2755

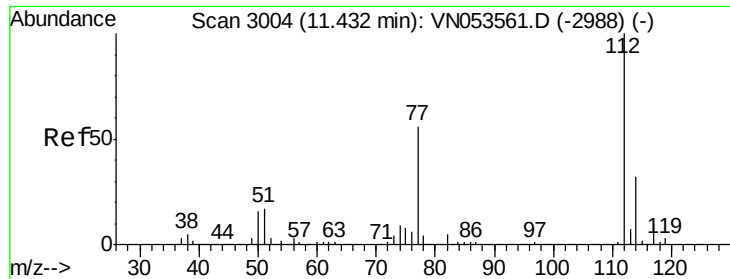
Delta R.T. 0.00 min

Lab File: VN053571.D

Acq: 30 Jan 2019 19:32

Tgt Ion:	164	Resp:	392430
Ion Ratio		Lower	Upper
164	100		
166	129.8	102.2	153.4
129	88.4	72.6	109.0
131	84.6	69.5	104.3





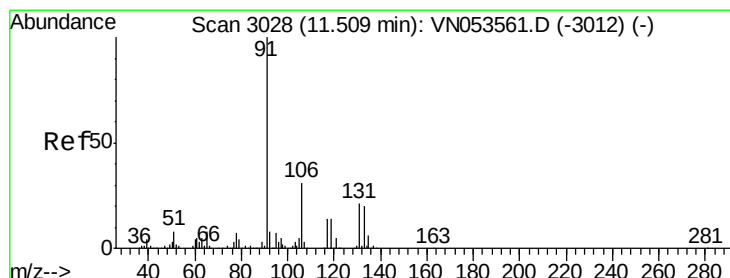
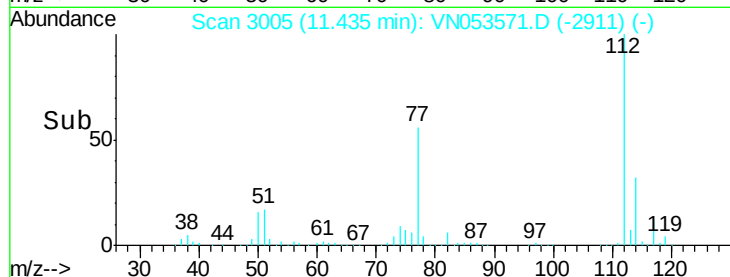
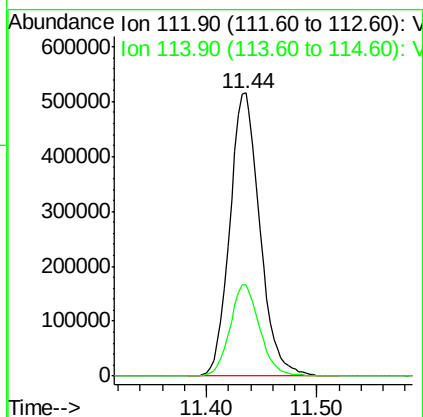
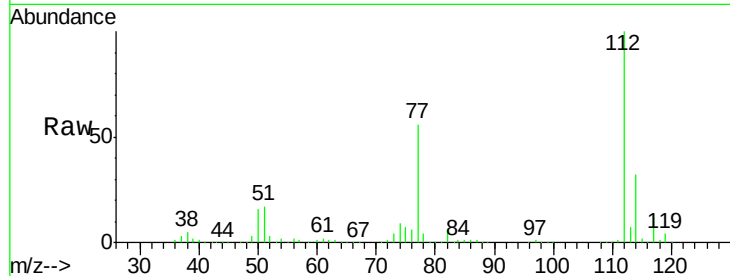
#65
Chlorobenzene
Concen: 48.938 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN053571.D
Acq: 30 Jan 2019 19:32

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tgt Ion:112 Resp: 973160
Ion Ratio Lower Upper
112 100
114 32.4 25.3 37.9

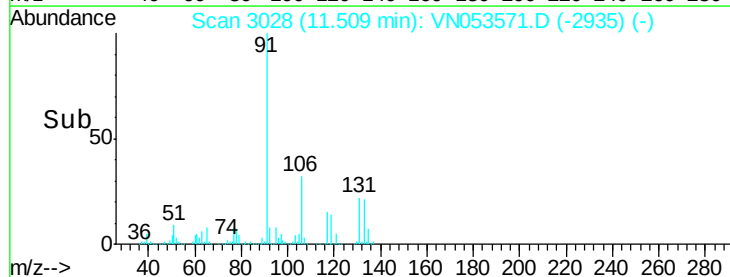
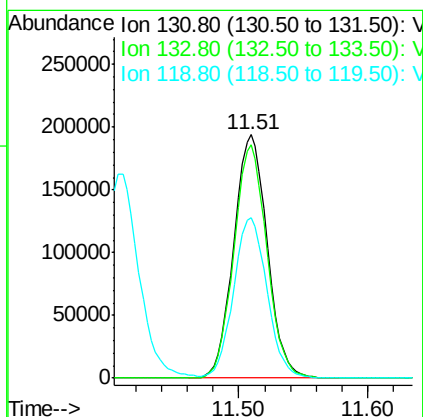
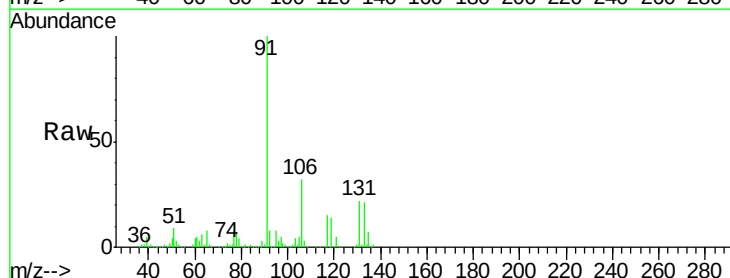
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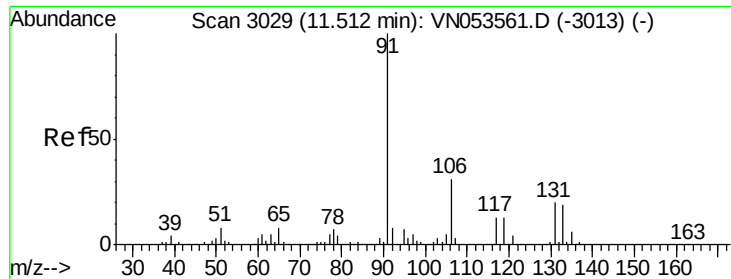
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.505 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053571.D
Acq: 30 Jan 2019 19:32

Tgt Ion:131 Resp: 350746
Ion Ratio Lower Upper
131 100
133 94.3 48.0 144.0
119 66.0 33.5 100.5





#67

Ethyl Benzene

Concen: 50.001 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN053571.D

Acq: 30 Jan 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 1633327

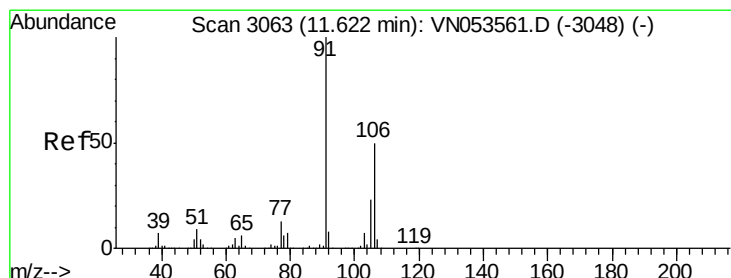
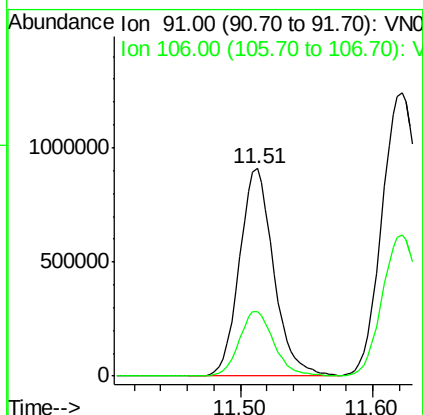
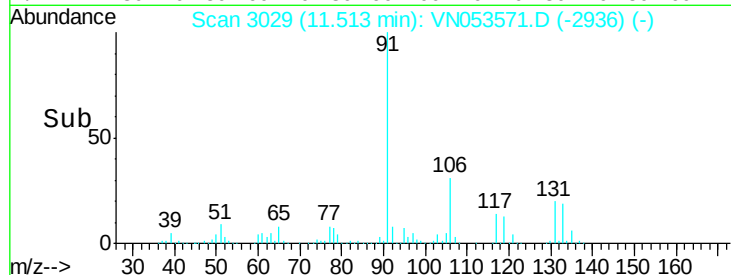
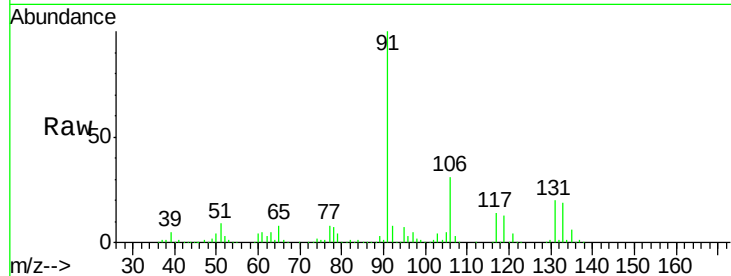
Ion Ratio Lower Upper

91 100

106 31.4 25.0 37.6

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#68

m/p-Xylenes

Concen: 101.110 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053571.D

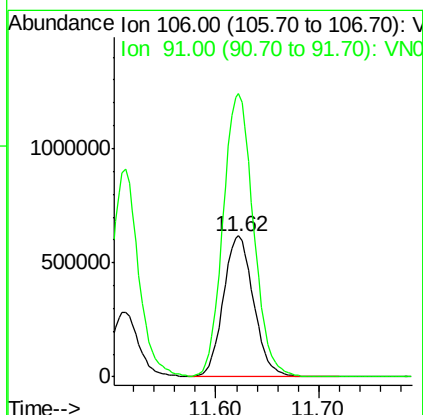
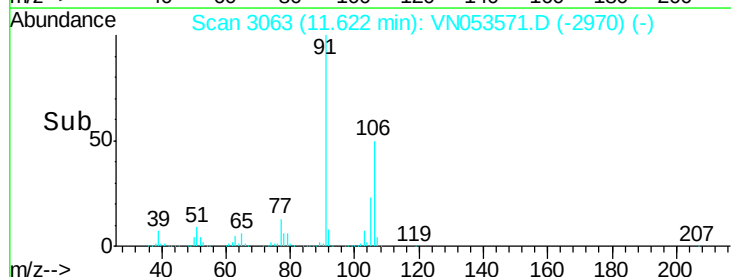
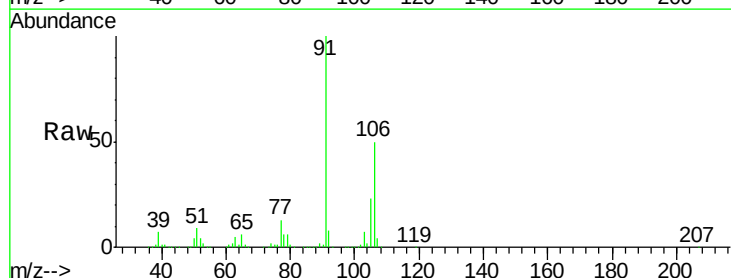
Acq: 30 Jan 2019 19:32

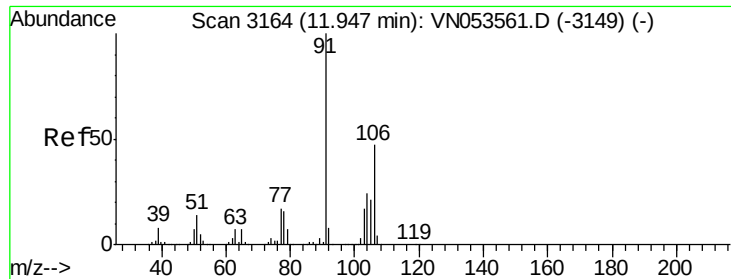
Tgt Ion: 106 Resp: 1260562

Ion Ratio Lower Upper

106 100

91 202.0 161.4 242.2





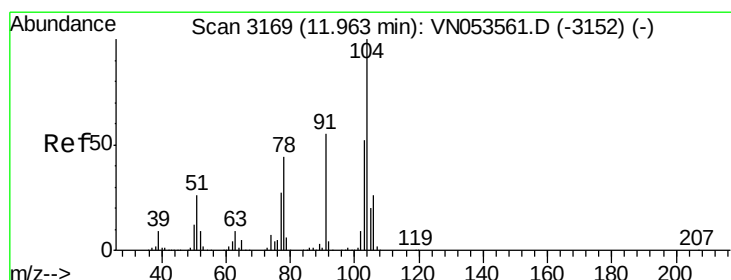
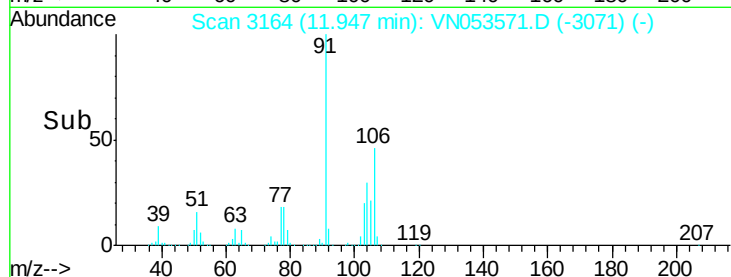
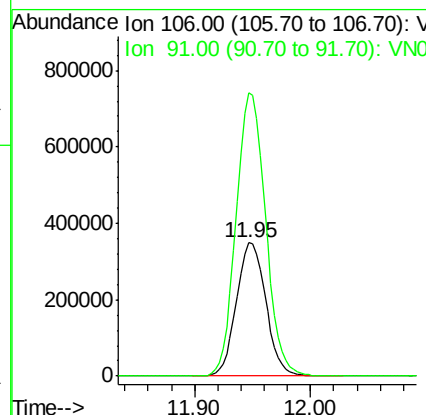
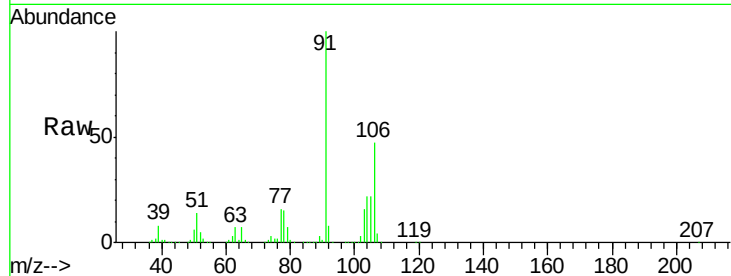
#69
o-Xylene
Concen: 51.138 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053571.D
Acq: 30 Jan 2019 19:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 615937
Ion Ratio Lower Upper
106 100
91 211.8 106.9 320.8

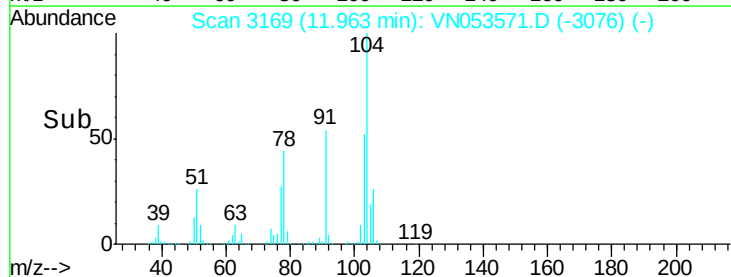
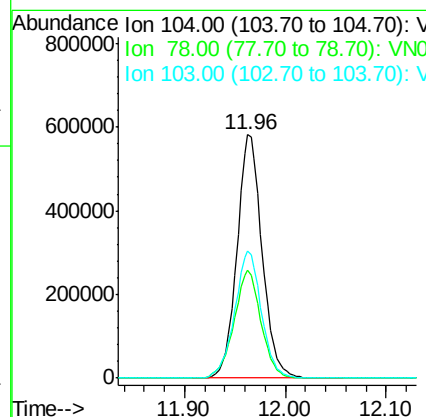
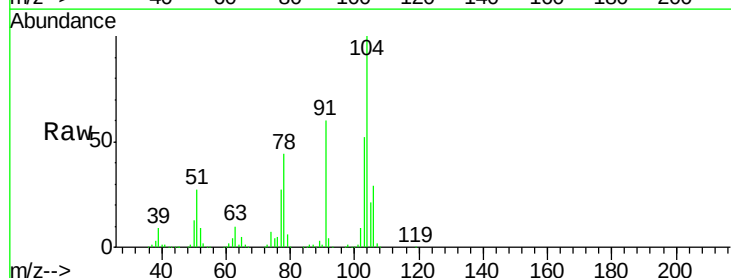
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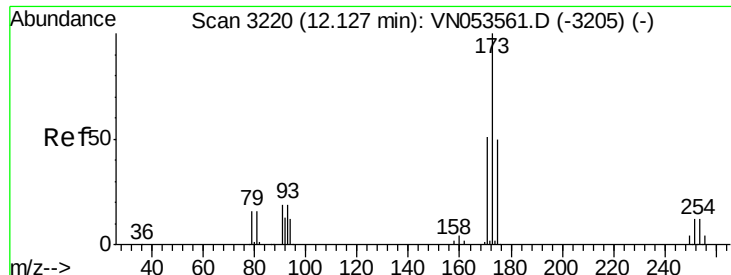
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#70
Styrene
Concen: 51.427 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053571.D
Acq: 30 Jan 2019 19:32

Tgt Ion:104 Resp: 1003956
Ion Ratio Lower Upper
104 100
78 47.8 38.2 57.2
103 55.8 44.4 66.6





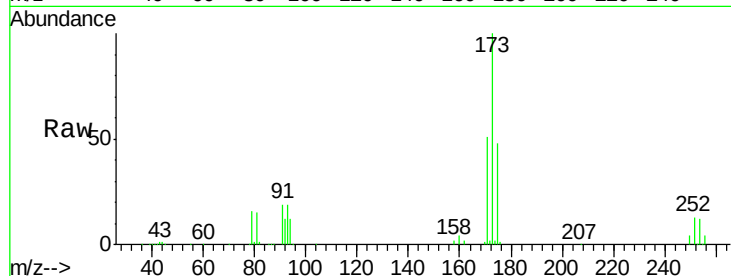
#71
Bromoform
Concen: 53.080 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053571.D
Acq: 30 Jan 2019 19:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

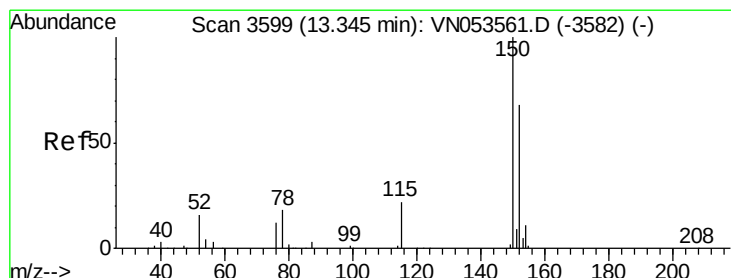
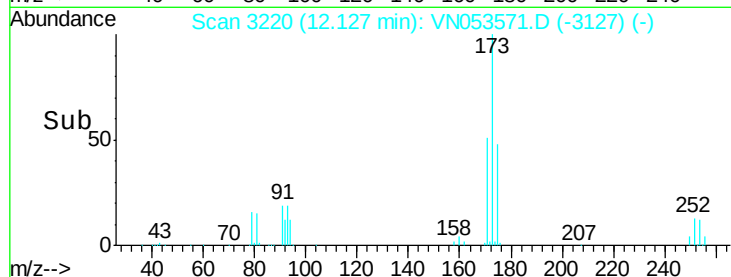
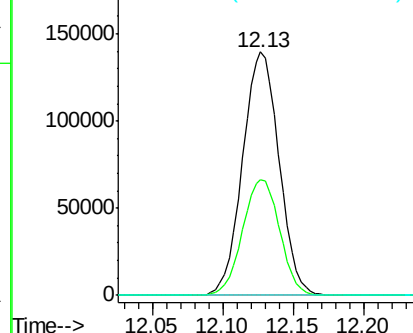
Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.6	74.0
254	0.1	0.2	0.2#

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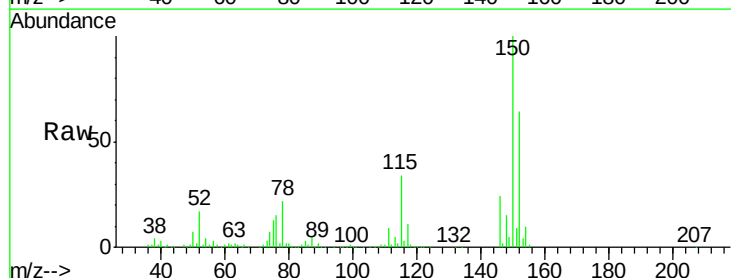


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

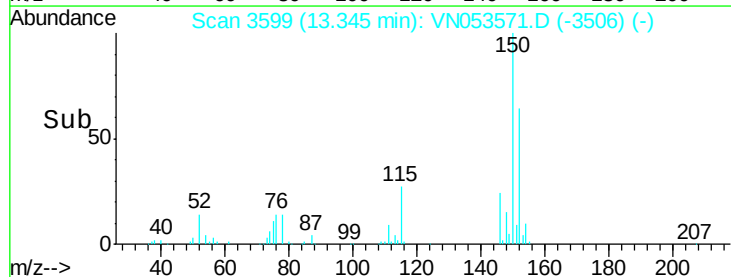
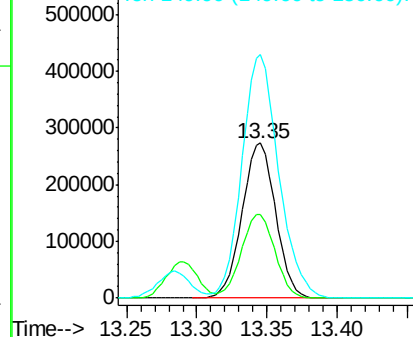


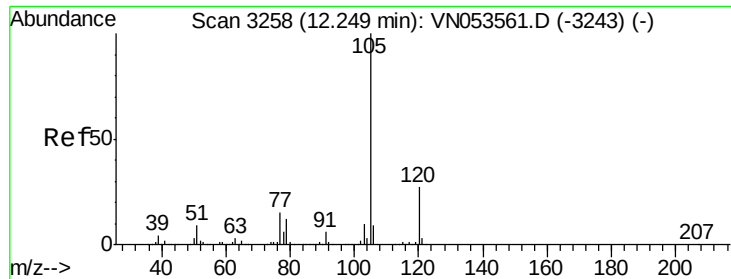
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053571.D
Acq: 30 Jan 2019 19:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.4	27.8	83.4
150	172.5	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: 49.752 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053571.D

Acq: 30 Jan 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 105 Resp: 1588972

Ion Ratio Lower Upper

105 100

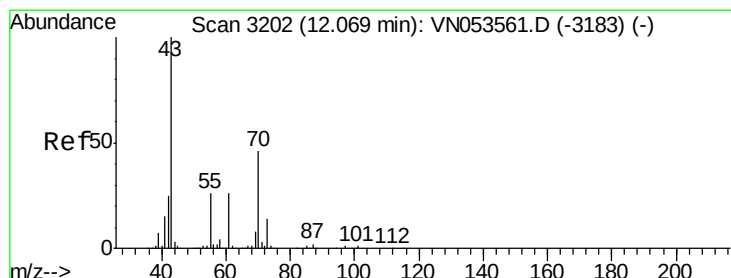
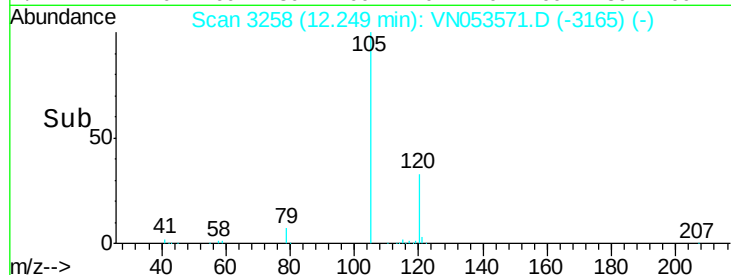
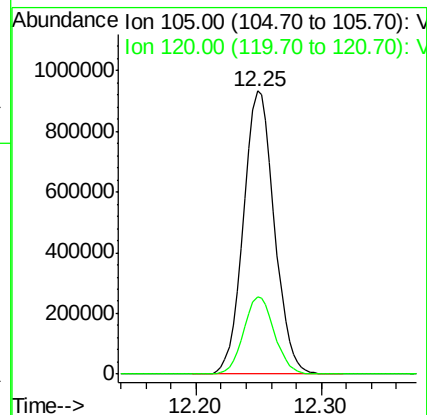
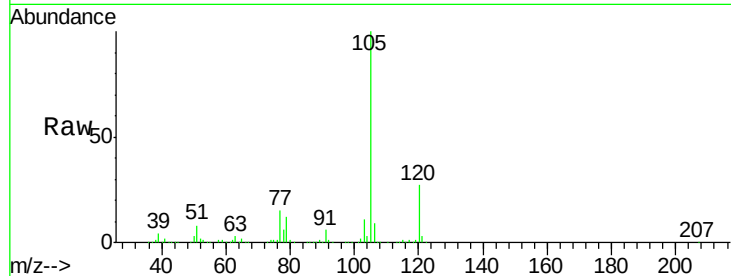
120 27.1 13.6 40.7

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#74

N-ethyl acetate

Concen: 50.570 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053571.D

Acq: 30 Jan 2019 19:32

Tgt Ion: 43 Resp: 388372

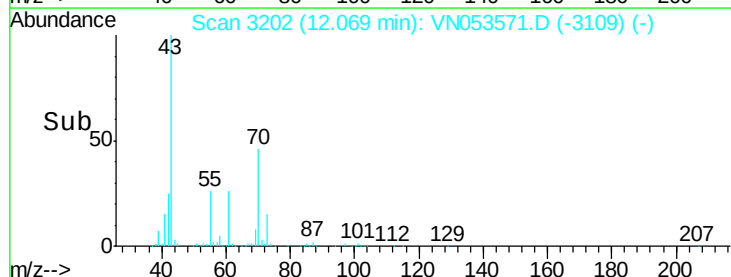
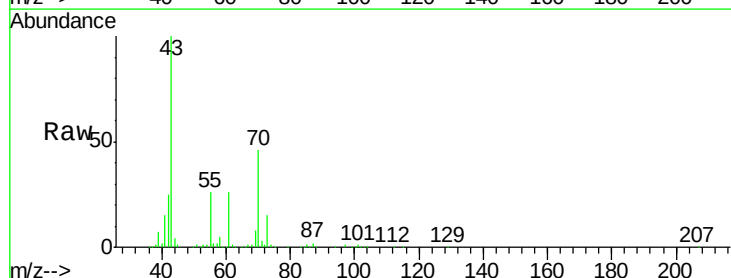
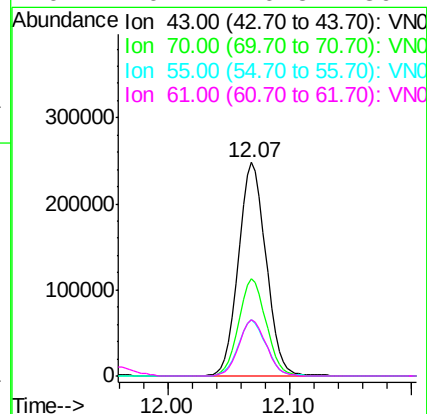
Ion Ratio Lower Upper

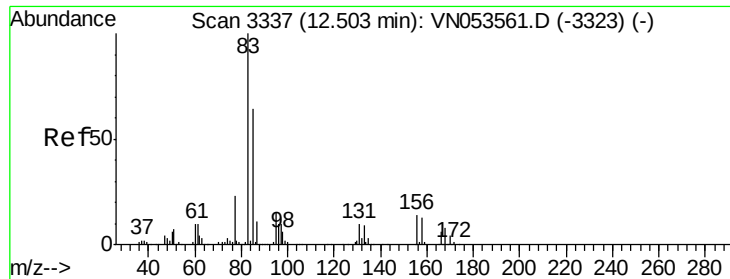
43 100

70 45.5 35.4 53.2

55 26.6 20.9 31.3

61 26.2 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 49.177 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053571.D

Acq: 30 Jan 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 375884
Ion Ratio Lower Upper

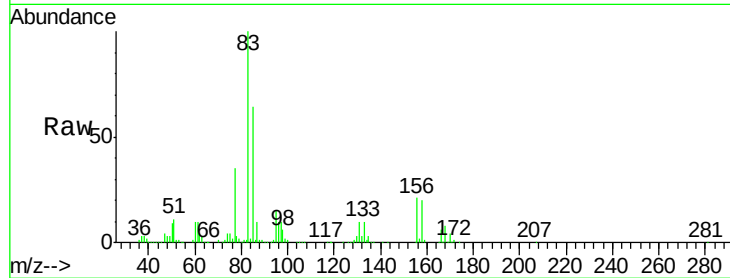
83 100

131 10.4 5.3 15.8

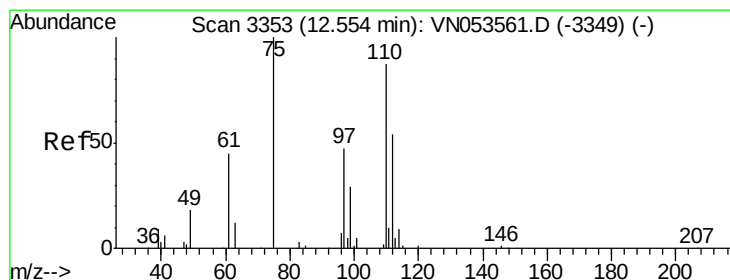
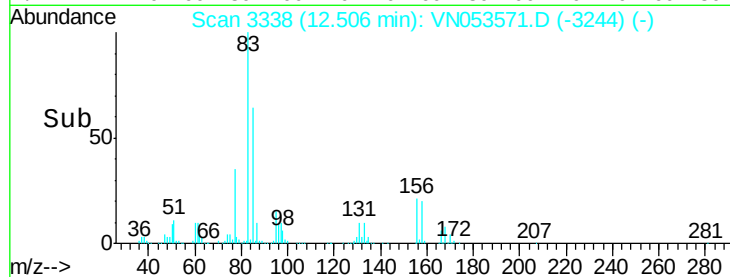
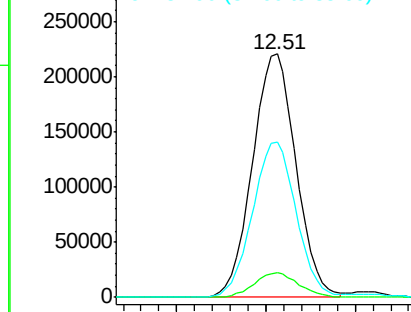
85 64.1 32.1 96.3

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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): VN
Ion 84.90 (84.60 to 85.60): VN



#76

1,2,3-Trichloropropane

Concen: 53.754 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

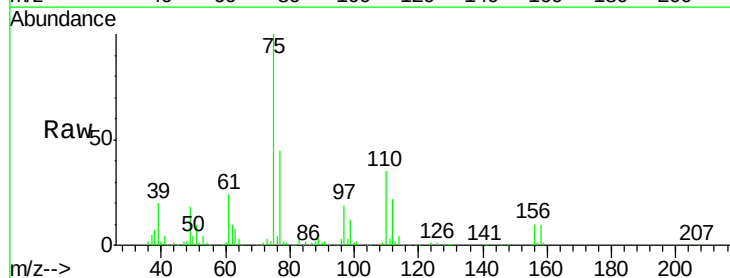
Lab File: VN053571.D

Acq: 30 Jan 2019 19:32

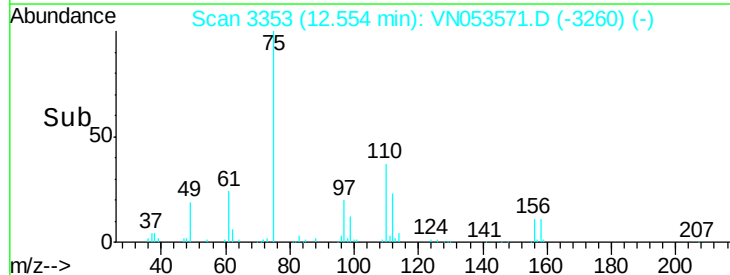
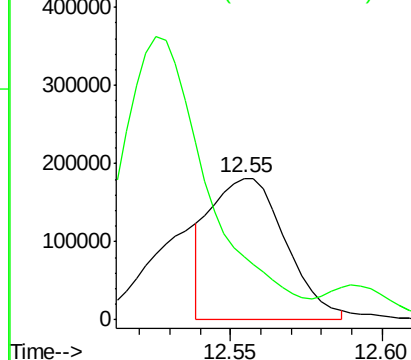
Tgt Ion: 75 Resp: 313674
Ion Ratio Lower Upper

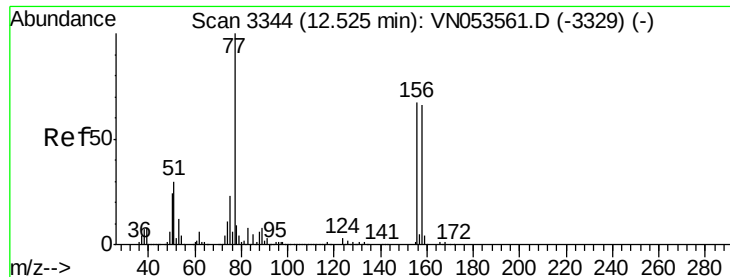
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN





#77

Bromobenzene

Concen: 49.610 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053571.D

Acq: 30 Jan 2019 19:32

Instrument :

MSVOA_N

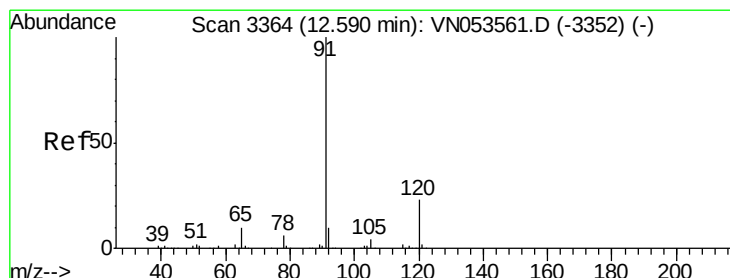
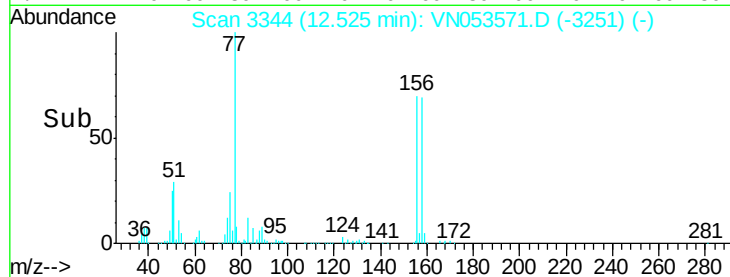
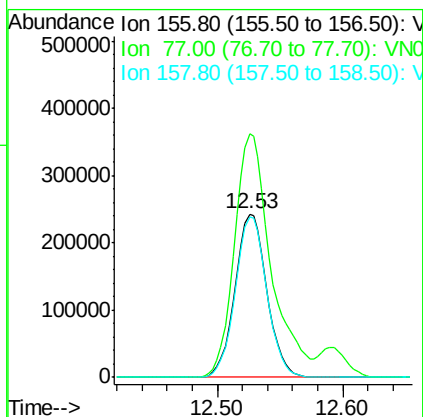
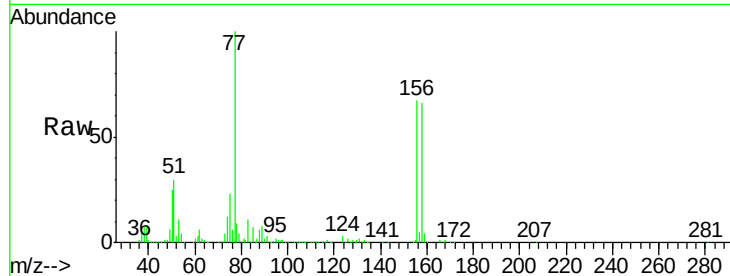
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	156	Resp:	427016
Ion Ratio	Lower	Upper	
156	100		
77	172.6	87.9	263.8
158	97.5	48.8	146.4

Manual Integrations
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#78

n-propylbenzene

Concen: 49.845 ug/l

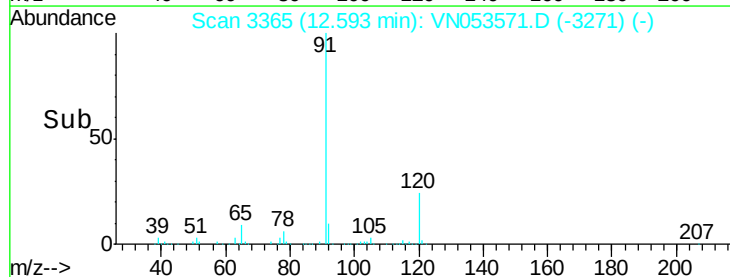
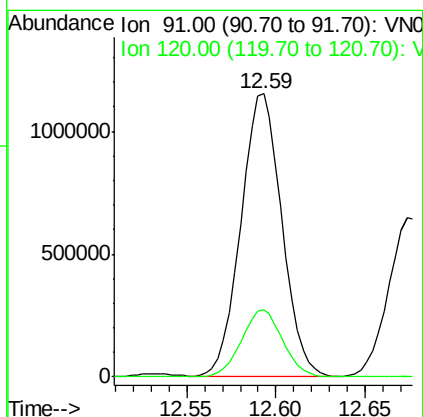
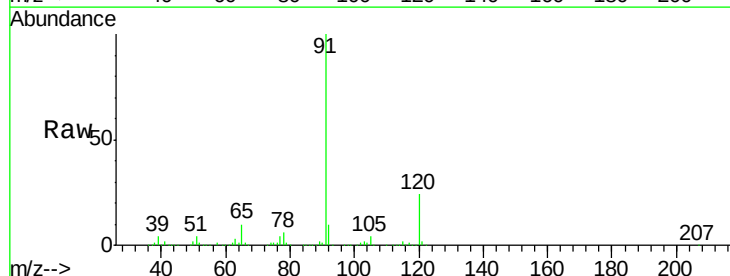
RT: 12.59 min Scan# 3365

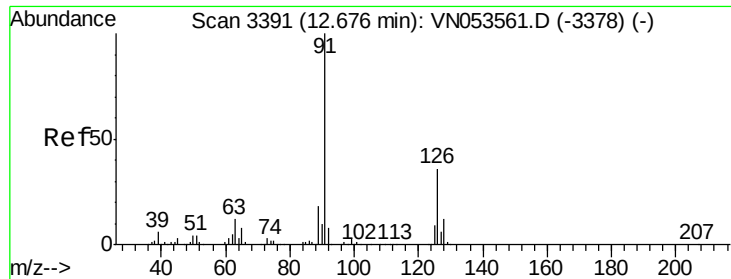
Delta R.T. 0.00 min

Lab File: VN053571.D

Acq: 30 Jan 2019 19:32

Tgt Ion:	91	Resp:	1840274
Ion Ratio	Lower	Upper	
91	100		
120	23.9	11.9	35.5





#79

2-Chlorotoluene

Concen: 49.771 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053571.D

Acq: 30 Jan 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 1090192

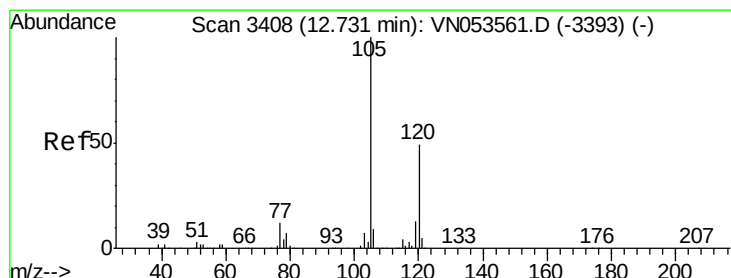
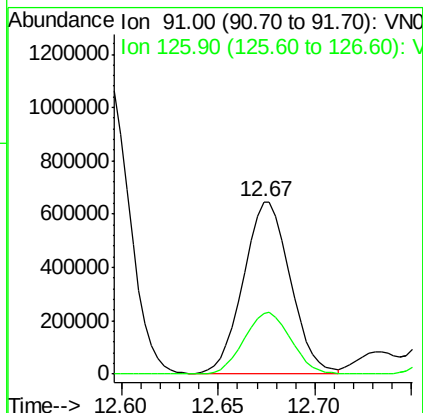
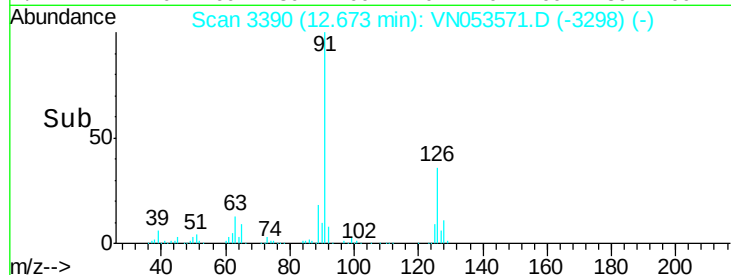
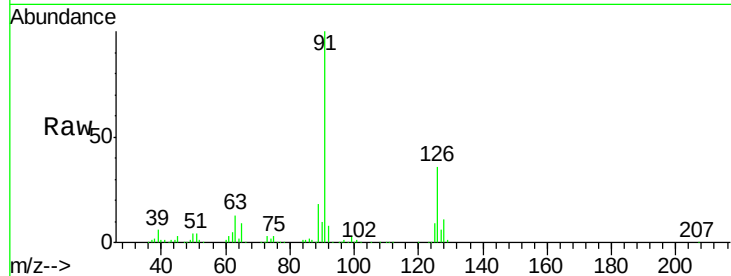
Ion Ratio Lower Upper

91 100

126 35.9 17.9 53.7

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 51.578 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053571.D

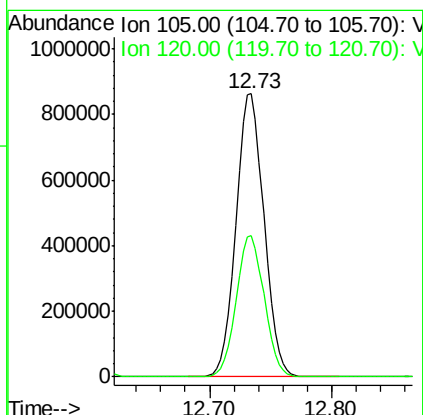
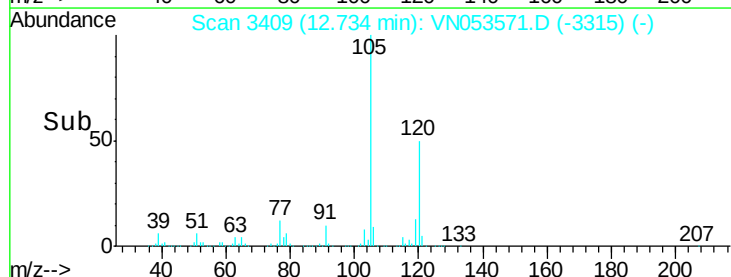
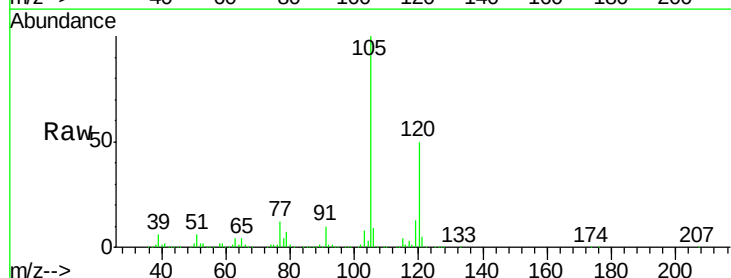
Acq: 30 Jan 2019 19:32

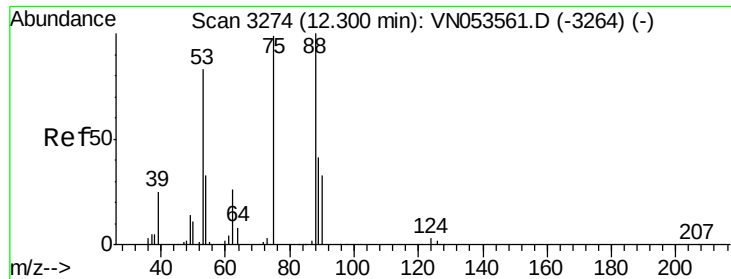
Tgt Ion: 105 Resp: 1366002

Ion Ratio Lower Upper

105 100

120 50.0 24.9 74.6





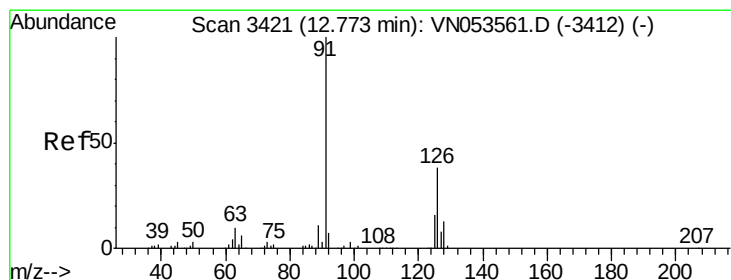
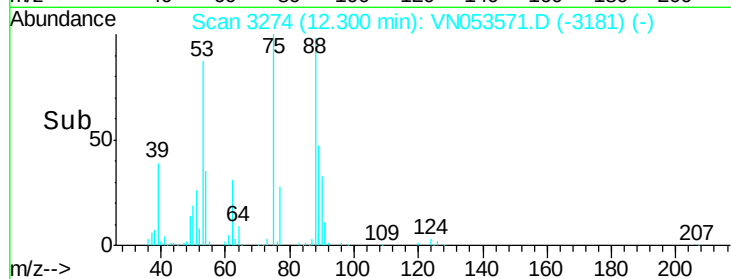
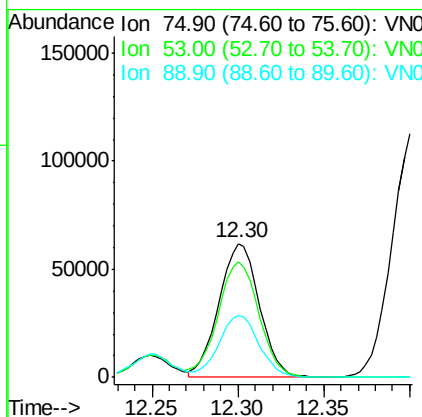
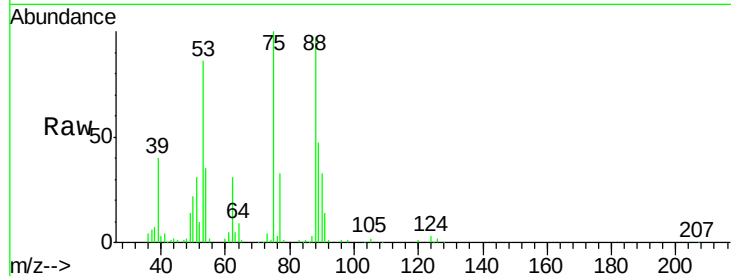
#81
trans-1,4-Dichloro-2-butene
Concen: 48.202 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053571.D
Acq: 30 Jan 2019 19:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
75	100		
53	89.5	69.8	104.6
89	46.8	35.6	53.4

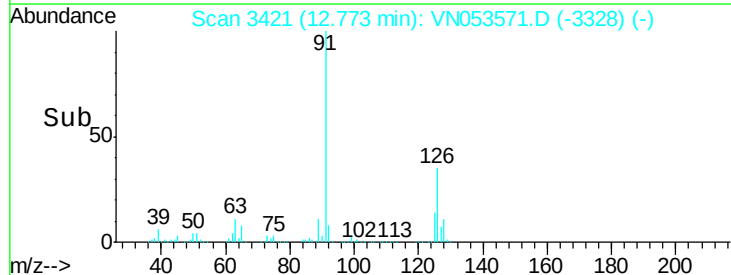
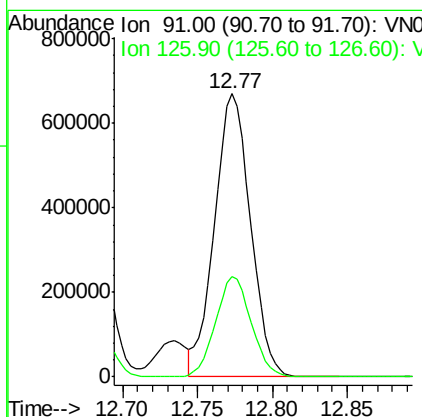
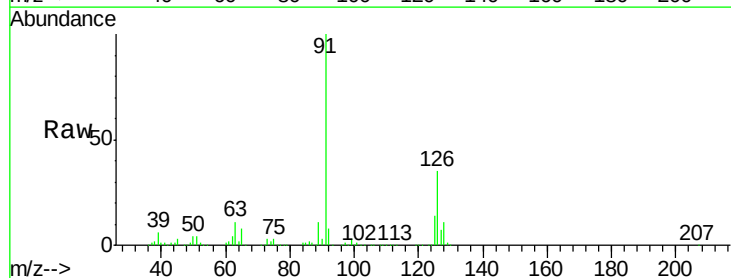
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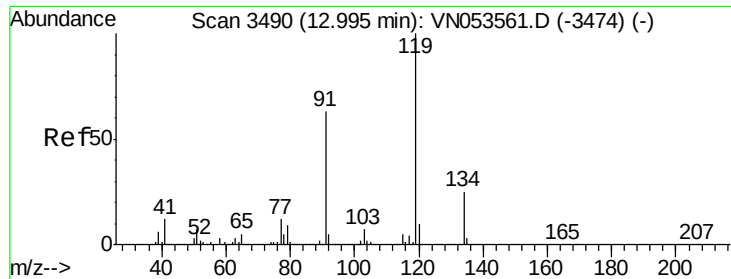
MMDadoda
2/1/2019 9:18:59 AM



#82
4-Chlorotoluene
Concen: 49.753 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053571.D
Acq: 30 Jan 2019 19:32

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.6	52.9





#83

tert-Butylbenzene

Concen: 50.366 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN053571.D

Acq: 30 Jan 2019 19:32

Instrument :

MSVOA_N

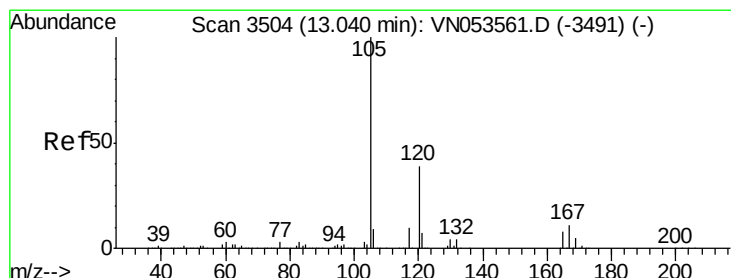
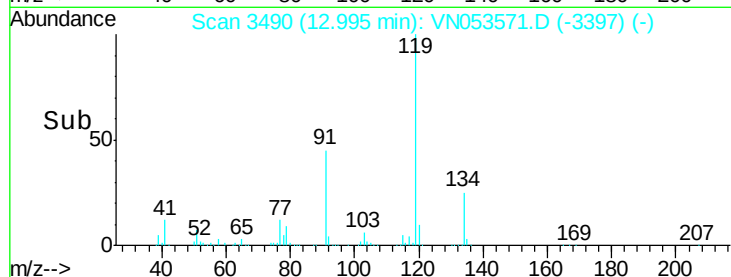
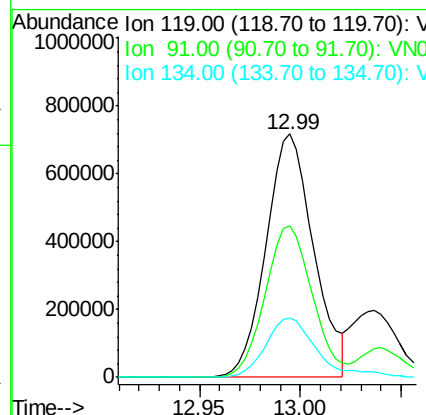
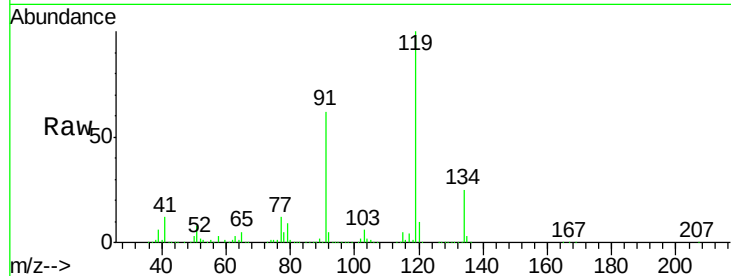
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	119	Resp:	1178916
Ion	Ratio	Lower	Upper
119	100		
91	62.0	31.3	93.8
134	26.3	12.9	38.7

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 51.762 ug/l

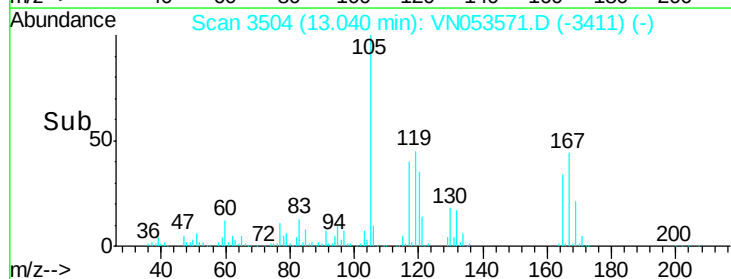
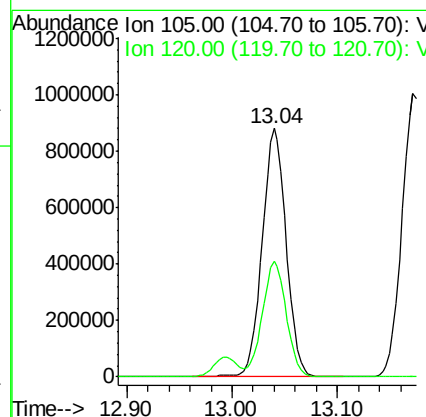
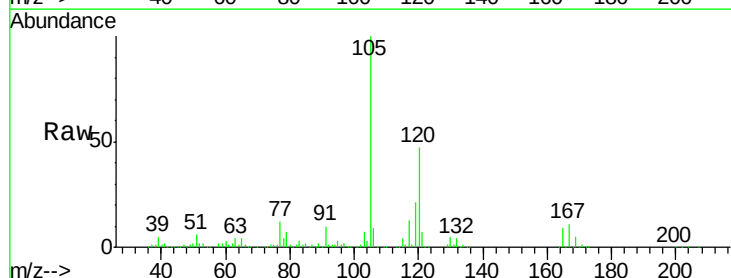
RT: 13.04 min Scan# 3504

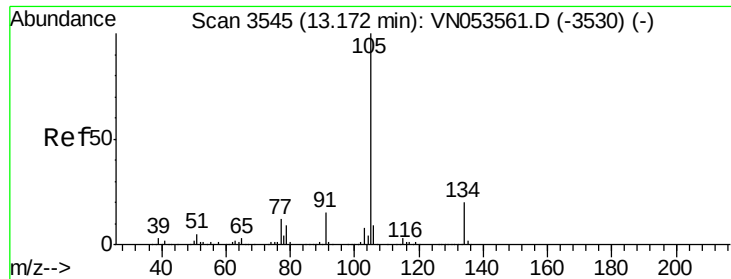
Delta R.T. 0.00 min

Lab File: VN053571.D

Acq: 30 Jan 2019 19:32

Tgt Ion:	105	Resp:	1396657
Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.0	69.0





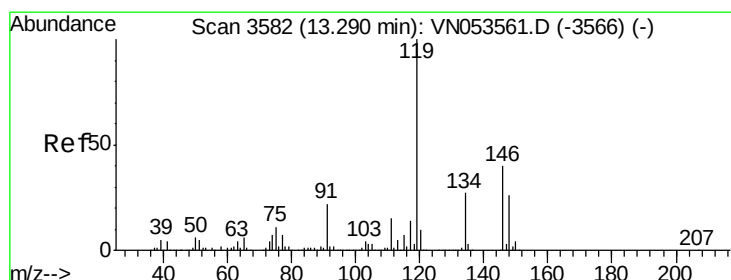
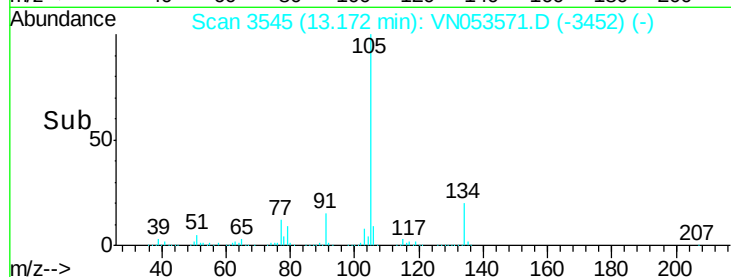
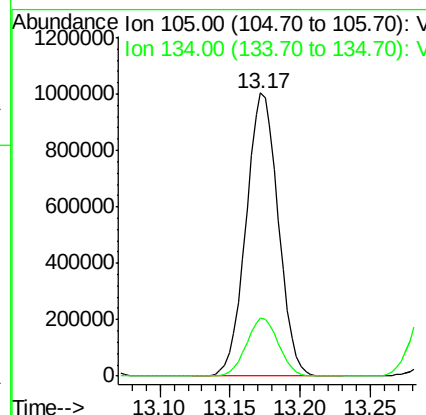
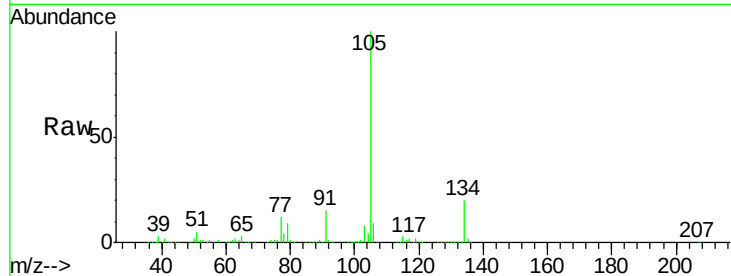
#85
 sec-Butylbenzene
 Concen: 50.407 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN053571.D
 Acq: 30 Jan 2019 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:105 Resp: 1605586
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.2 30.6

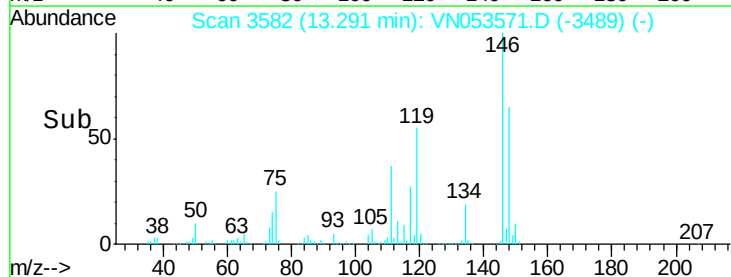
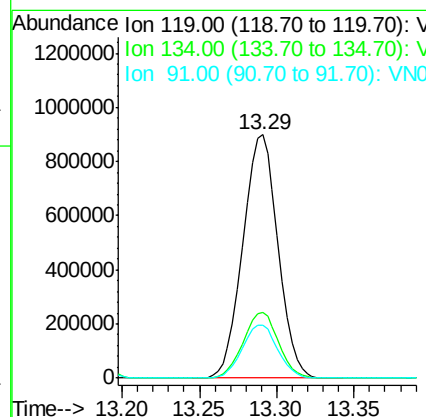
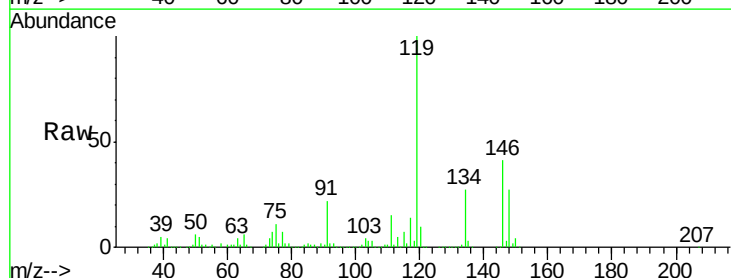
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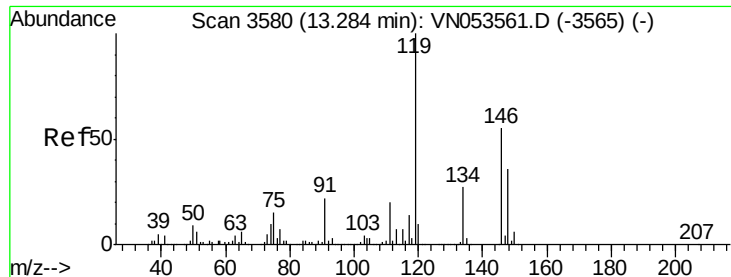
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 2/1/2019 9:18:59 AM



#86
 p-Isopropyltoluene
 Concen: 50.701 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN053571.D
 Acq: 30 Jan 2019 19:32

Tgt Ion:119 Resp: 1412439
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.5 40.4
 91 22.0 11.0 33.0





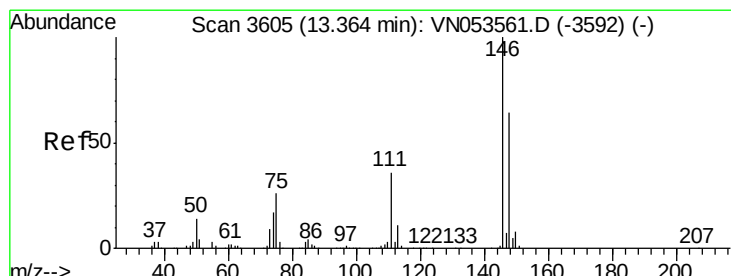
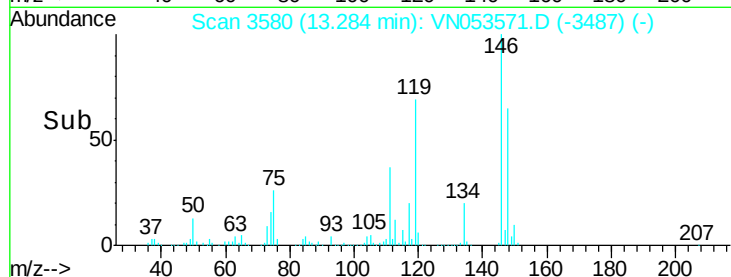
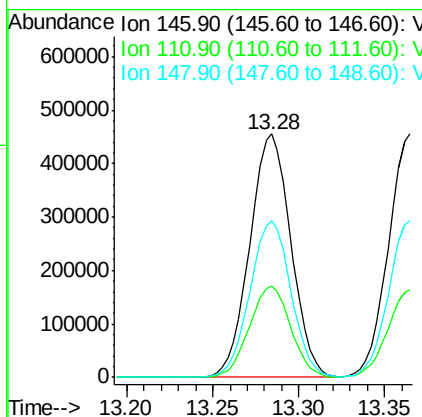
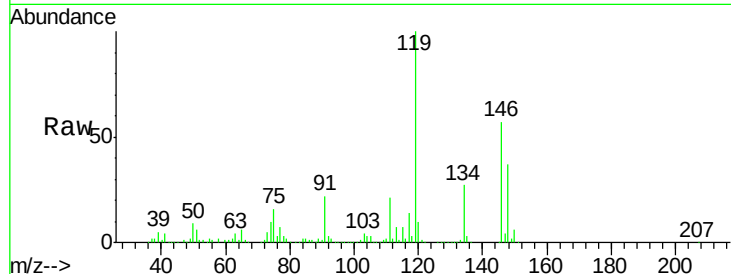
#87
 1,3-Dichlorobenzene
 Concen: 48.793 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053571.D
 Acq: 30 Jan 2019 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.8	56.3
148	64.2	32.0	96.2

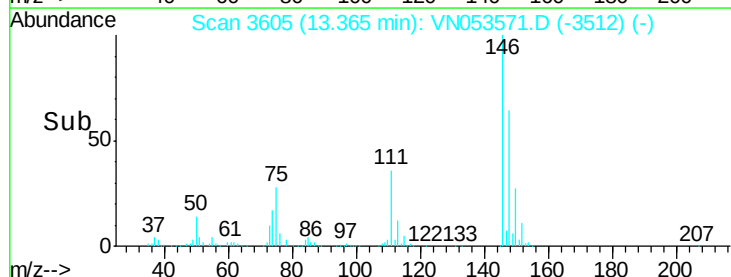
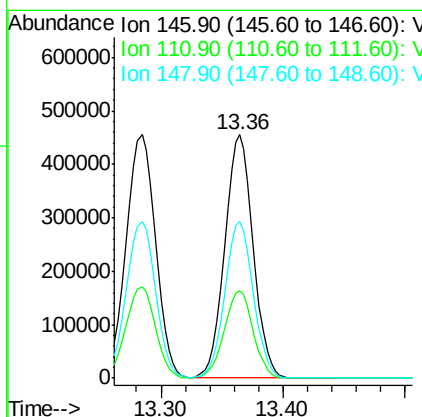
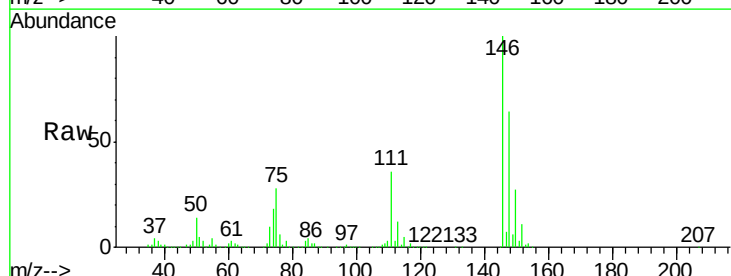
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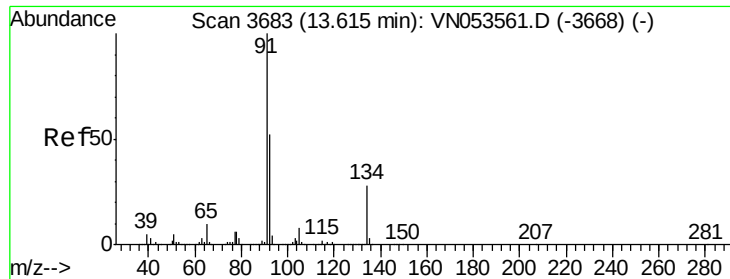
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#88
 1,4-Dichlorobenzene
 Concen: 48.459 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053571.D
 Acq: 30 Jan 2019 19:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.6	55.8
148	64.4	32.4	97.0





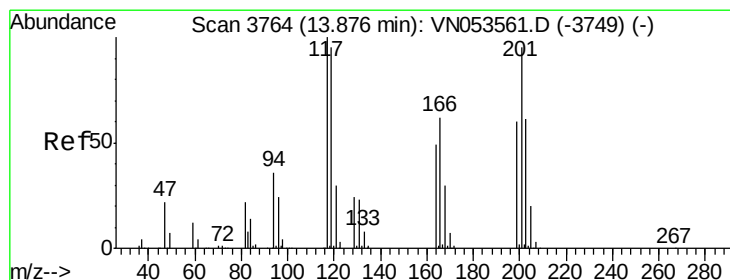
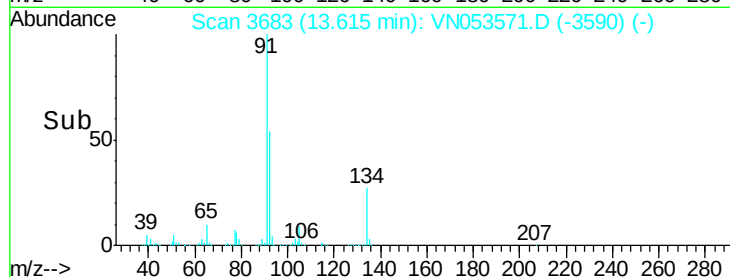
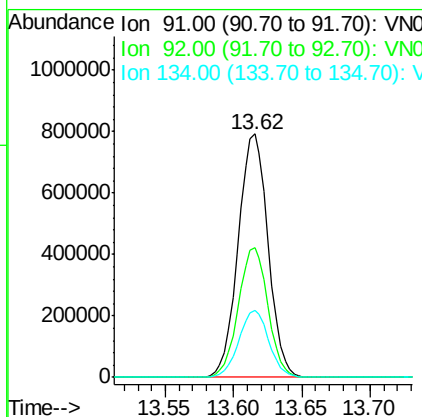
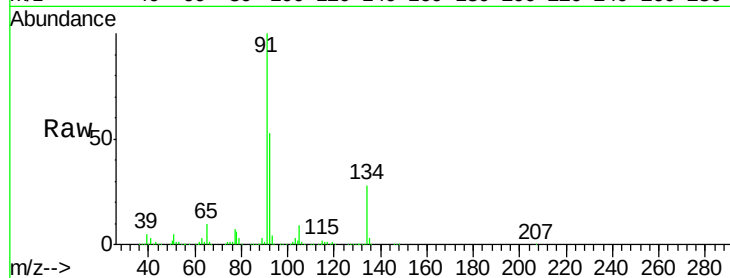
#89
n-Butylbenzene
Concen: 49.904 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053571.D
Acq: 30 Jan 2019 19:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 1203334
Ion Ratio Lower Upper
91 100
92 52.9 26.3 78.8
134 27.4 13.5 40.5

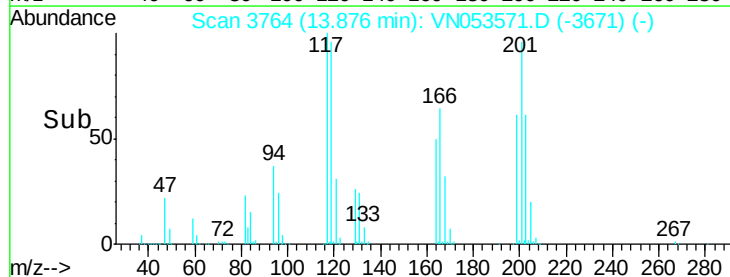
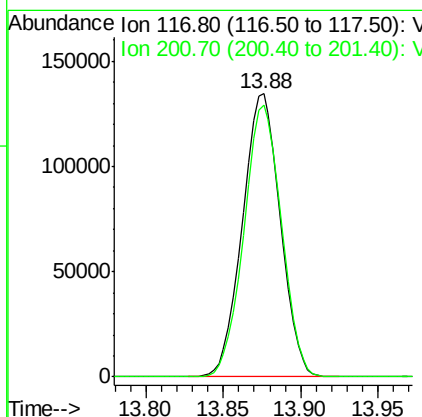
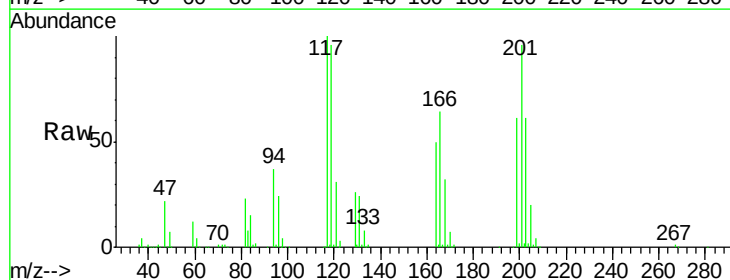
Manual Integrations
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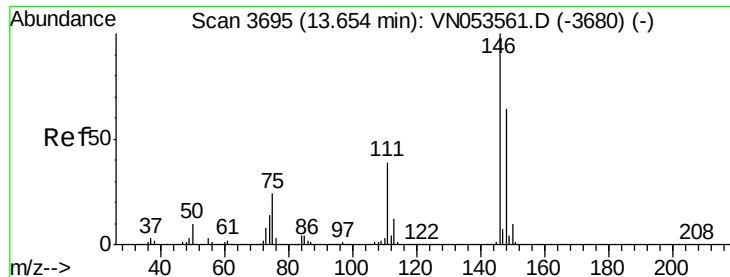
MMDadoda
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#90
Hexachloroethane
Concen: 49.912 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN053571.D
Acq: 30 Jan 2019 19:32

Tgt Ion: 117 Resp: 229352
Ion Ratio Lower Upper
117 100
201 95.1 46.8 140.4





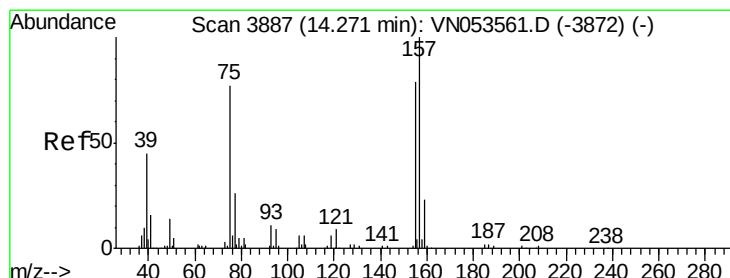
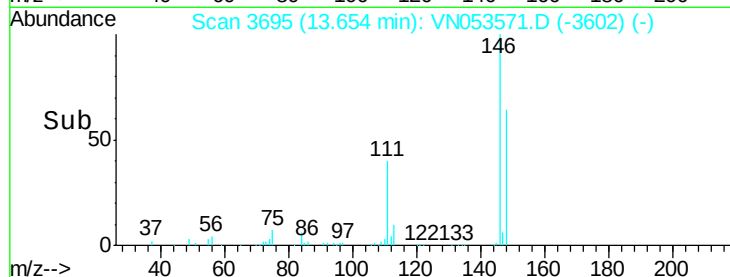
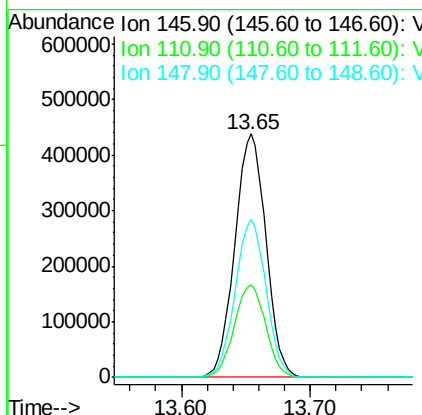
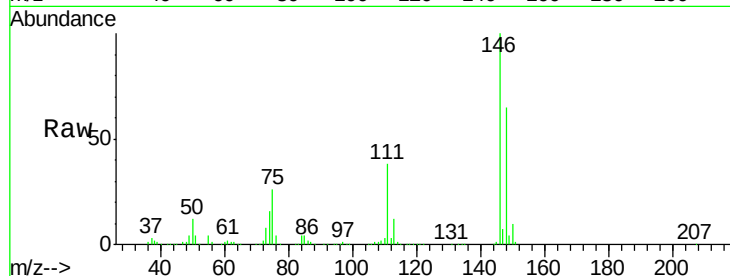
#91
 1,2-Dichlorobenzene
 Concen: 49.549 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053571.D
 Acq: 30 Jan 2019 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.5	58.5
148	64.3	31.9	95.9

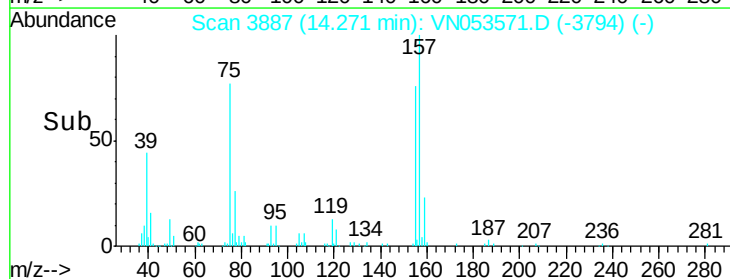
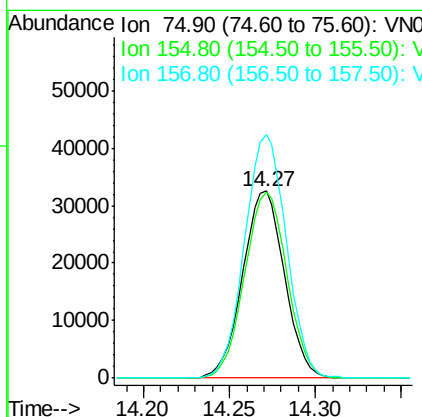
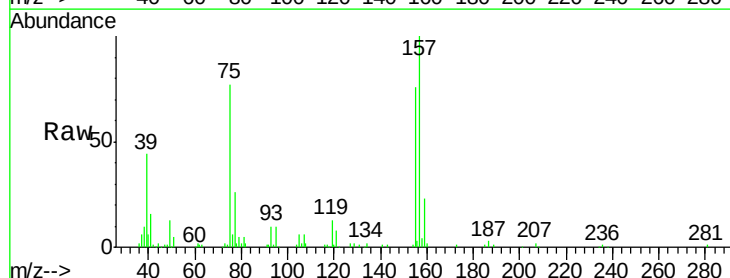
Manual Integrations
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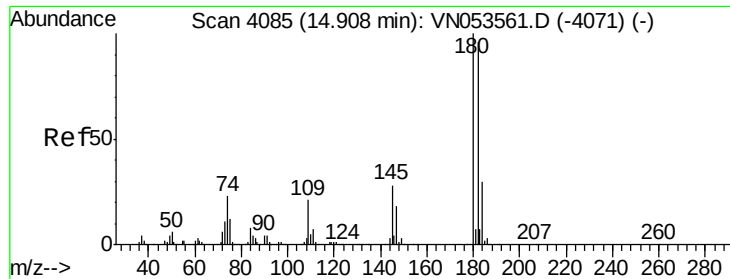
MMDadoda
 2/1/2019 9:18:59 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.449 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053571.D
 Acq: 30 Jan 2019 19:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.4	48.9	146.7
157	129.8	63.7	191.3





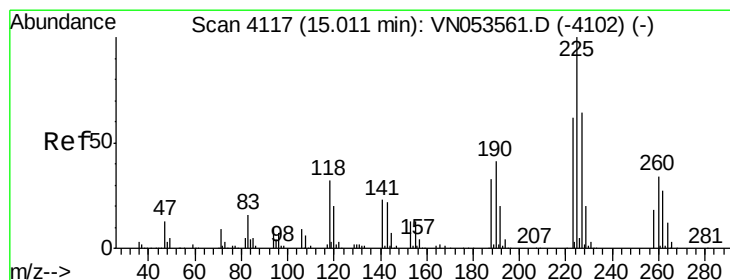
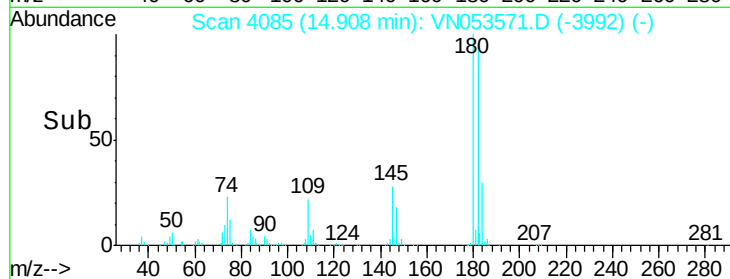
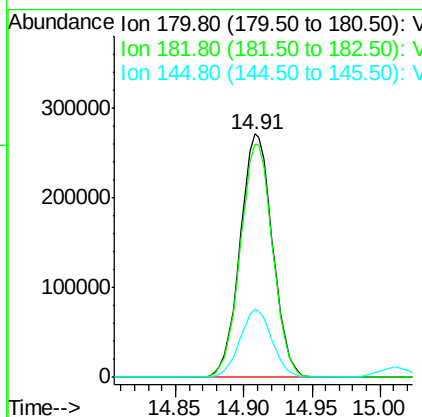
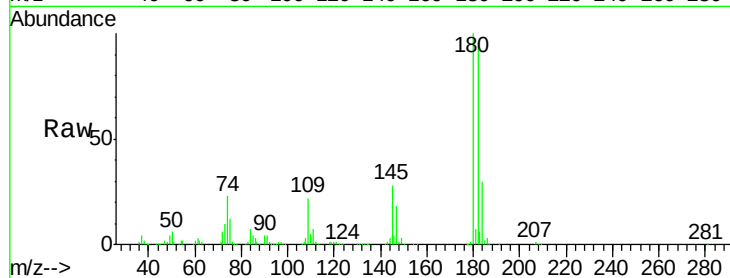
#93
 1,2,4-Trichlorobenzene
 Concen: 52.522 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053571.D
 Acq: 30 Jan 2019 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	446214		
182	95.9	48.1	144.3	
145	27.7	13.9	41.6	

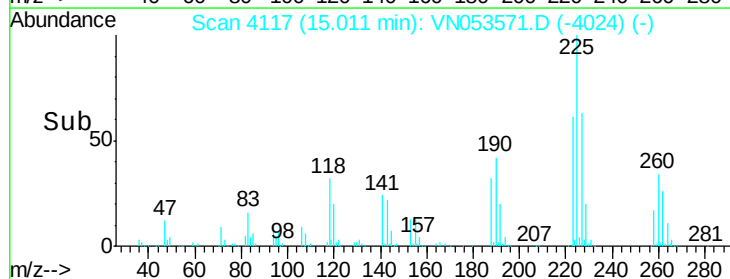
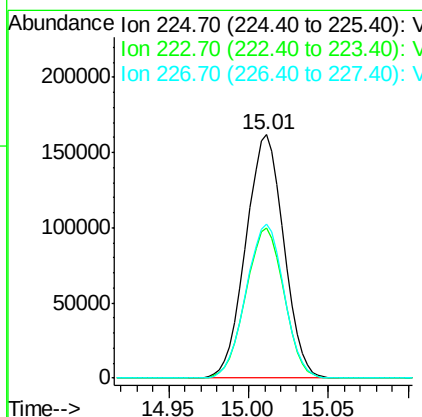
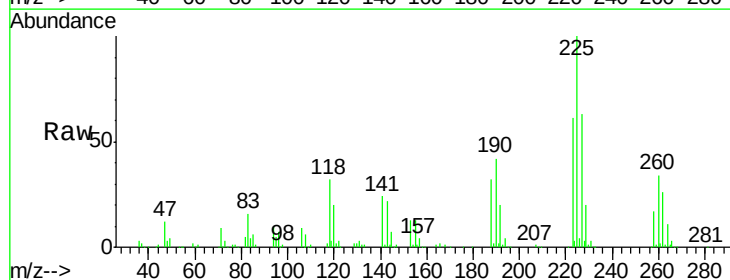
Manual Integrations
 APPROVED

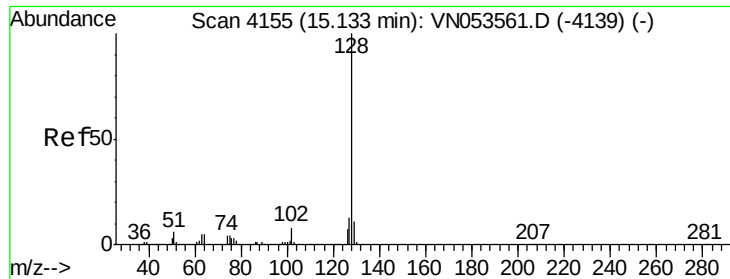
MMDadoda
 2/1/2019 9:18:59 AM



#94
 Hexachlorobutadiene
 Concen: 49.570 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053571.D
 Acq: 30 Jan 2019 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	262267		
223	62.1	31.1	93.2	
227	63.6	32.0	96.2	





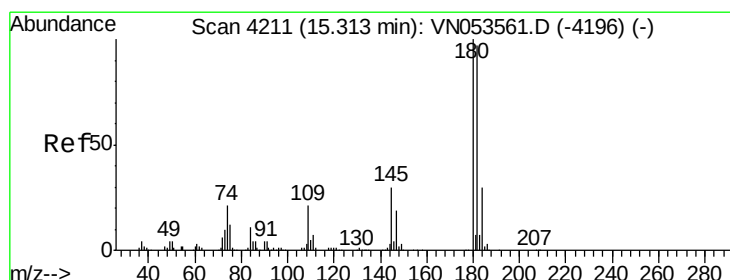
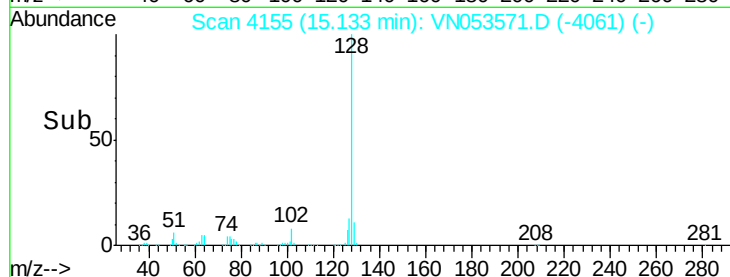
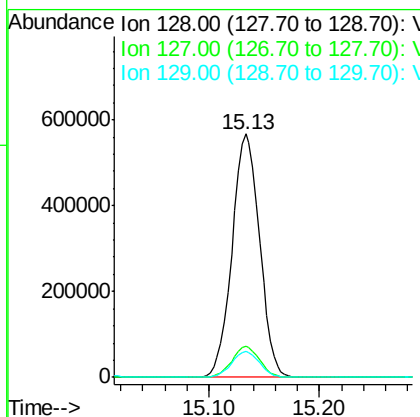
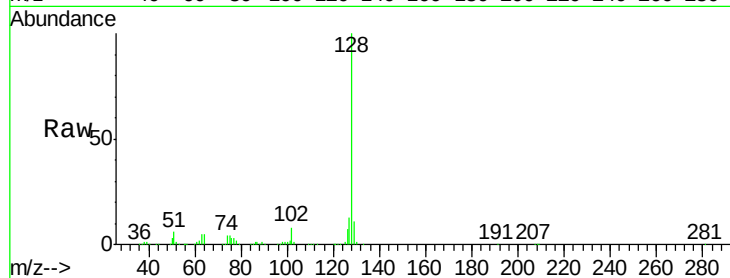
#95
Naphthalene
Concen: 49.115 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053571.D
Acq: 30 Jan 2019 19:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/1/2019 9:18:59 AM



#96
1,2,3-Trichlorobenzene
Concen: 53.696 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN053571.D
Acq: 30 Jan 2019 19:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.9	143.8
145	29.5	14.7	44.1

