

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020119\
 Data File : VN053584.D
 Acq On : 1 Feb 2019 18:42
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Feb 01 22:52:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	671816	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1029014	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	915030	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	441057	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	332371	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
35) Dibromofluoromethane	7.59	113	322720	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
50) Toluene-d8	10.09	98	1189269	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	
62) 4-Bromofluorobenzene	12.40	95	400602	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	372470	49.184	ug/l	100
3) Chloromethane	2.06	50	390228	48.926	ug/l	100
4) Vinyl Chloride	2.19	62	385960	49.850	ug/l	99
5) Bromomethane	2.57	94	246586	48.710	ug/l	98
6) Chloroethane	2.71	64	219606	49.635	ug/l	99
7) Trichlorofluoromethane	3.02	101	508204	48.403	ug/l	99
8) Diethyl Ether	3.41	74	192182	50.120	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	314121	48.376	ug/l	98
10) Methyl Iodide	3.96	142	487707	47.853	ug/l	99
11) Tert butyl alcohol	4.79	59	101393	254.203	ug/l	100
12) 1,1-Dichloroethene	3.74	96	304669	48.973	ug/l	99
13) Acrolein	3.61	56	48229	222.084	ug/l	98
14) Allyl chloride	4.33	41	496123	50.086	ug/l	99
15) Acrylonitrile	4.99	53	555976	258.199	ug/l	99
16) Acetone	3.82	43	415853	240.554	ug/l	99
17) Carbon Disulfide	4.06	76	905910	46.765	ug/l	100
18) Methyl Acetate	4.32	43	251772	49.177	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	824109	52.255	ug/l	98
20) Methylene Chloride	4.55	84	350074	48.268	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	326799	48.690	ug/l	98
22) Diisopropyl ether	5.95	45	958277	52.211	ug/l	98
23) Vinyl Acetate	5.90	43	3393254	267.248	ug/l	99
24) 1,1-Dichloroethane	5.85	63	608372	49.696	ug/l	99
25) 2-Butanone	6.84	43	618803	250.980	ug/l	100
26) 2,2-Dichloropropane	6.82	77	444023	47.514	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	376436	50.438	ug/l	98
28) Bromochloromethane	7.19	49	253939	47.800	ug/l	98
29) Tetrahydrofuran	7.21	42	412733	260.695	ug/l	99
30) Chloroform	7.37	83	600032	49.445	ug/l	100
31) Cyclohexane	7.65	56	548881	48.151	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	506397	50.142	ug/l	99
36) 1,1-Dichloropropene	7.79	75	455760	49.134	ug/l	99
37) Ethyl Acetate	6.93	43	269849	52.088	ug/l	99
38) Carbon Tetrachloride	7.77	117	447322	47.870	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	532264	48.366	ug/l	99
40) Benzene	8.04	78	1391558	48.648	ug/l	100
41) Methacrylonitrile	7.17	41	155400	53.670	ug/l	94
42) 1,2-Dichloroethane	8.12	62	416808	49.075	ug/l	99
43) Isopropyl Acetate	8.16	43	478690	47.845	ug/l	99
44) Trichloroethene	8.83	130	374081	45.936	ug/l	99
45) 1,2-Dichloropropane	9.12	63	363379	49.667	ug/l	98
46) Dibromomethane	9.21	93	216563	49.103	ug/l	98
47) Bromodichloromethane	9.40	83	453386	49.442	ug/l	98
48) Methyl methacrylate	9.20	41	232285	48.638	ug/l	92
49) 1,4-Dioxane	9.20	88	63982	927.532	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1286843	261.743	ug/l	99
52) Toluene	10.16	92	850028	50.070	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	459622	50.055	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	542418	49.850	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	307768	50.310	ug/l	99
56) Ethyl methacrylate	10.43	69	381226	52.678	ug/l	99
57) 1,3-Dichloropropane	10.71	76	517664	49.514	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1047419	233.908	ug/l	99
59) 2-Hexanone	10.75	43	824049	246.896	ug/l	99
60) Dibromochloromethane	10.90	129	349627	50.682	ug/l	99
61) 1,2-Dibromoethane	11.00	107	296548	48.977	ug/l	99
64) Tetrachloroethene	10.63	164	368053	46.923	ug/l	99
65) Chlorobenzene	11.43	112	928869	47.791	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	336231	49.534	ug/l	99
67) Ethyl Benzene	11.51	91	1566876	49.076	ug/l	99
68) m/p-Xylenes	11.62	106	1217843	99.941	ug/l	99
69) o-Xylene	11.95	106	592107	50.296	ug/l	99
70) Styrene	11.96	104	972676	50.976	ug/l	100
71) Bromoform	12.13	173	236666	50.856	ug/l	100
73) Isopropylbenzene	12.25	105	1529963	49.345	ug/l	99
74) N-amyl acetate	12.07	43	383245	51.402	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	360746	48.615	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	440396	77.738	ug/l #	100
77) Bromobenzene	12.53	156	405340	48.507	ug/l	99
78) n-propylbenzene	12.59	91	1772384	49.449	ug/l	100
79) 2-Chlorotoluene	12.68	91	1056117	49.665	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1311510	51.009	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	99082	49.180	ug/l	98
82) 4-Chlorotoluene	12.77	91	1063812	48.752	ug/l	99
83) tert-Butylbenzene	12.99	119	1149606	50.589	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1348873	51.493	ug/l	100
85) sec-Butylbenzene	13.17	105	1551457	50.171	ug/l	100
86) p-Isopropyltoluene	13.29	119	1373467	50.784	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	725235	48.279	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	717668	48.298	ug/l	99
89) n-Butylbenzene	13.62	91	1168792	49.929	ug/l	100
90) Hexachloroethane	13.87	117	222905	49.967	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	707698	49.211	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	53309	50.408	ug/l	99

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Quant Title : SW846 8260
QLast Update : Fri Feb 01 09:11:52 2019
Response via : Initial Calibration

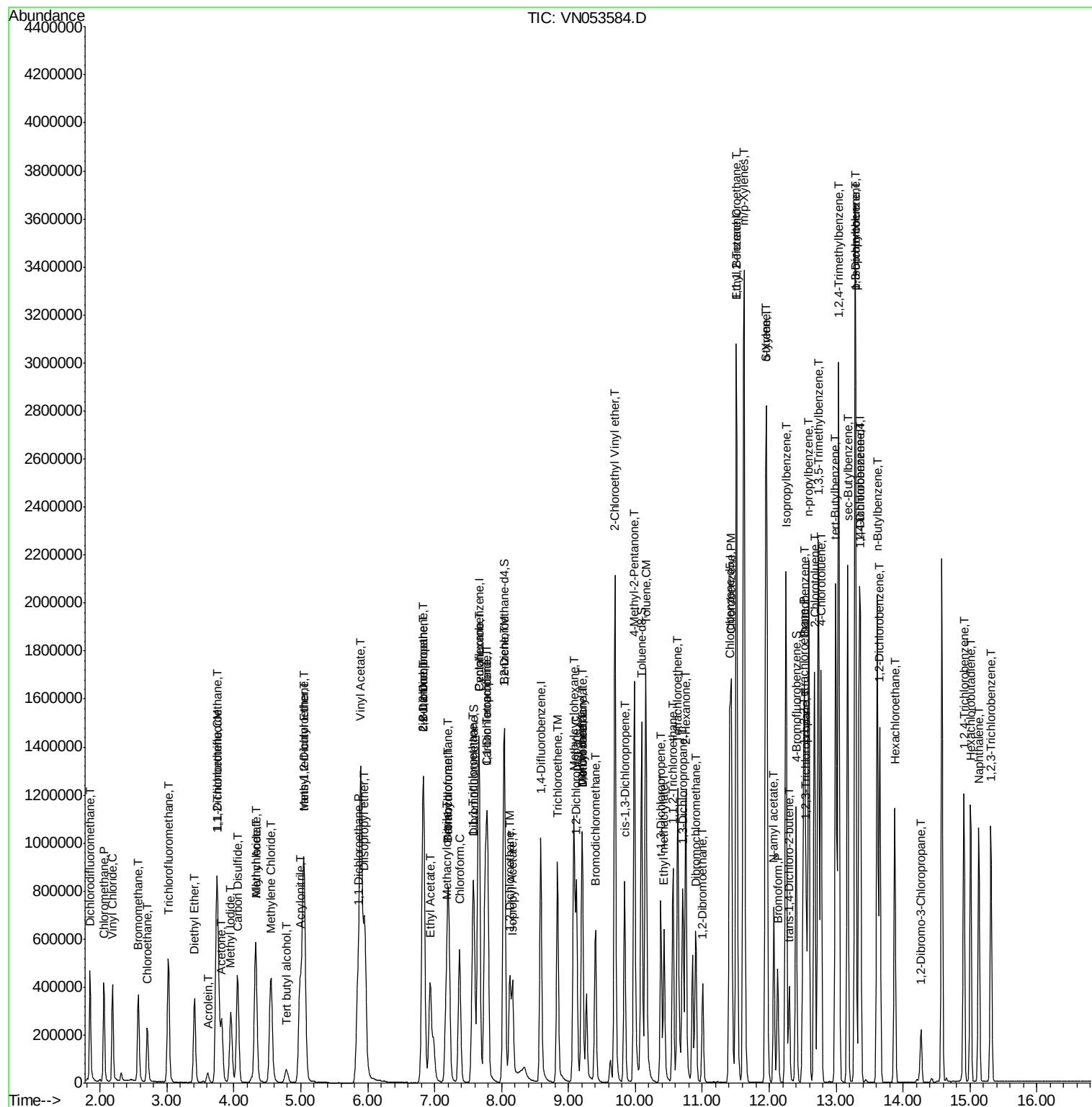
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	434334	52.660	ug/l	99
94) Hexachlorobutadiene	15.01	225	254226	49.494	ug/l	99
95) Naphthalene	15.13	128	938318	48.484	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	405530	52.990	ug/l	100

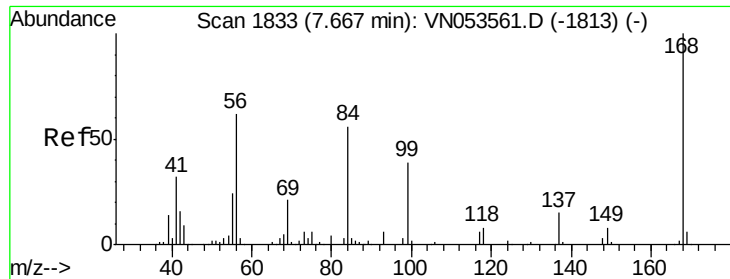
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

Instrument :

MSVOA_N

ClientSampleId :

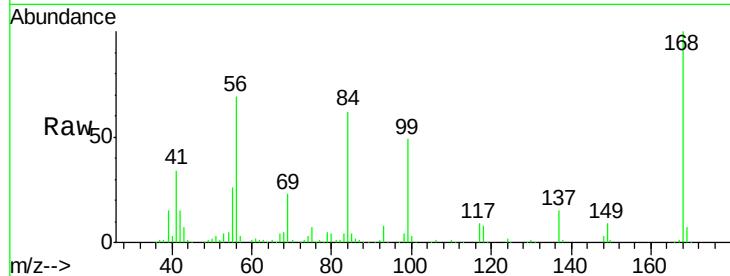
VSTDCCC050EC

Tot Ion:168 Resp: 671816

Ion Ratio Lower Upper

168 100

99 49.3 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

250000

200000

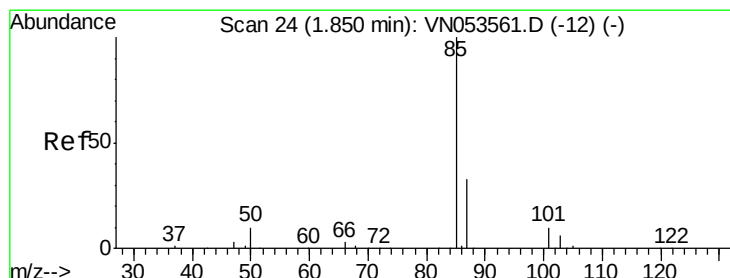
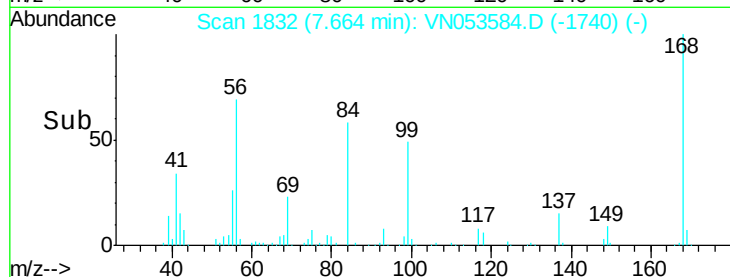
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.184 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053584.D

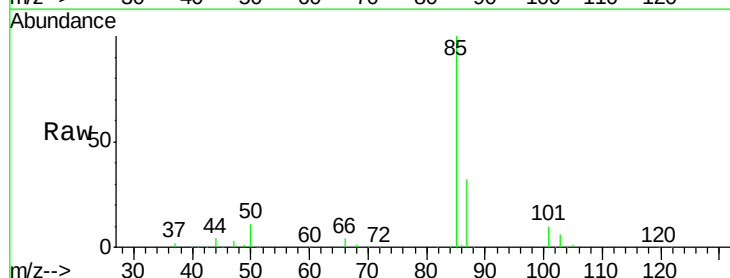
Acq: 1 Feb 2019 18:42

Tgt Ion: 85 Resp: 372470

Ion Ratio Lower Upper

85 100

87 32.1 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

250000

200000

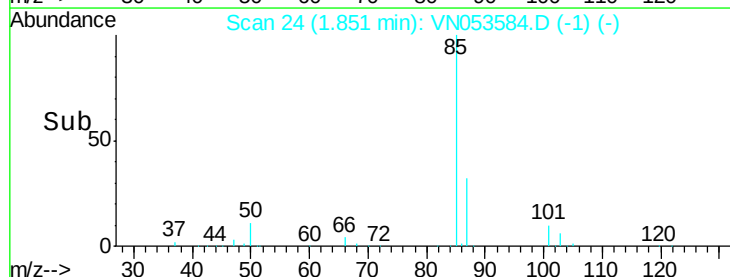
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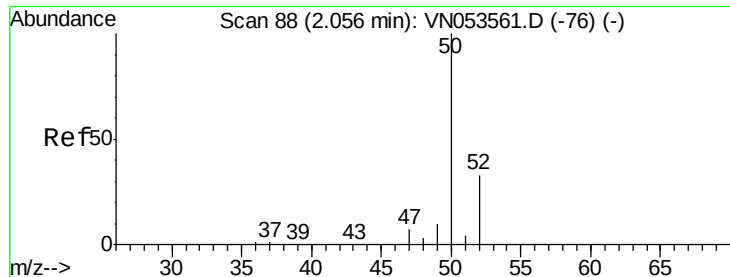
100000

50000

0

Time-->





#3

Chloromethane

Concen: 48.926 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

Instrument :

MSVOA_N

ClientSampleId :

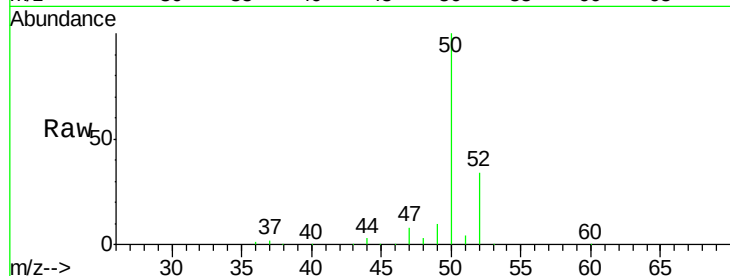
VSTDCCC050EC

Tot Ion: 50 Resp: 390228

Ion Ratio Lower Upper

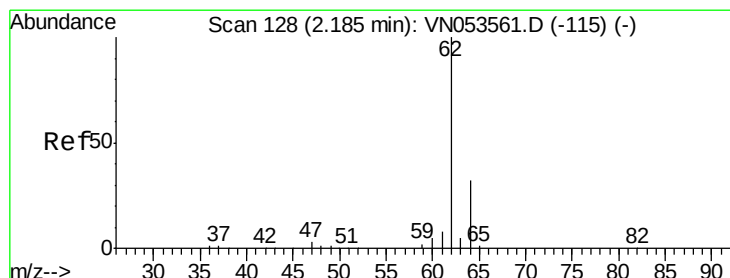
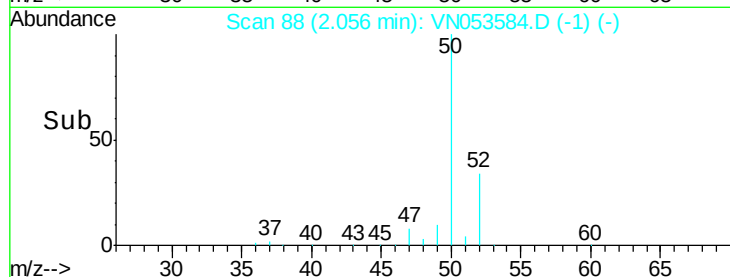
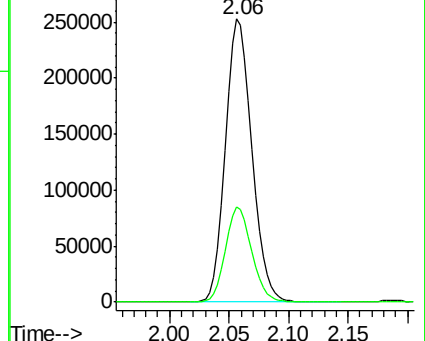
50 100

52 33.5 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 49.850 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053584.D

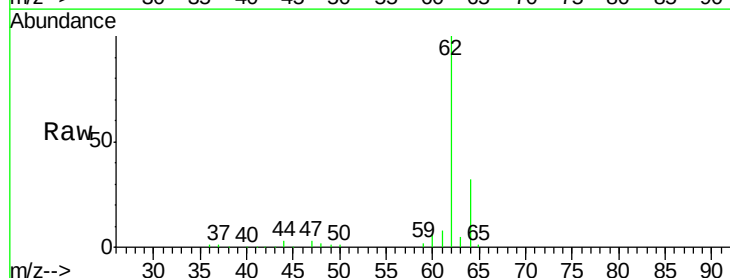
Acq: 1 Feb 2019 18:42

Tgt Ion: 62 Resp: 385960

Ion Ratio Lower Upper

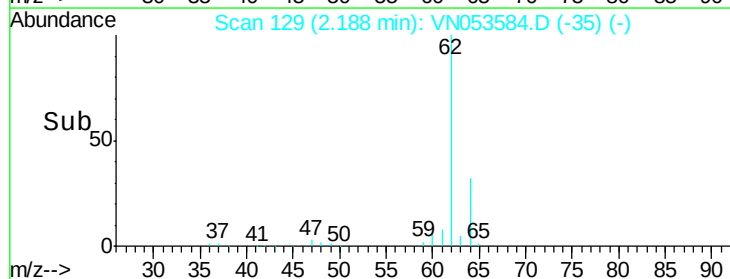
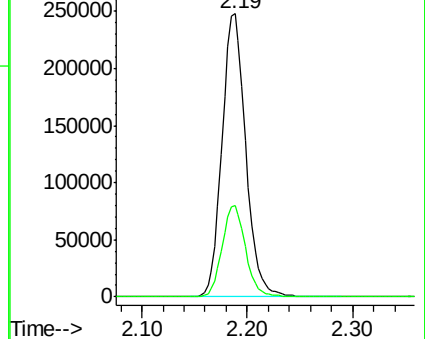
62 100

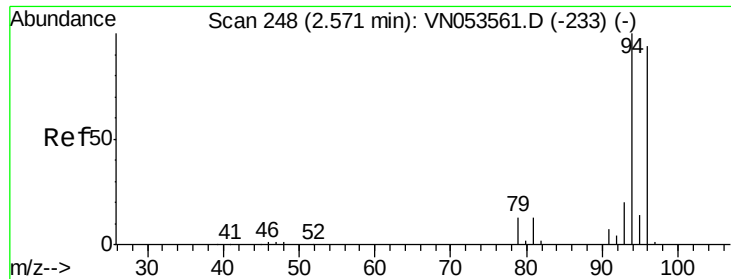
64 32.1 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

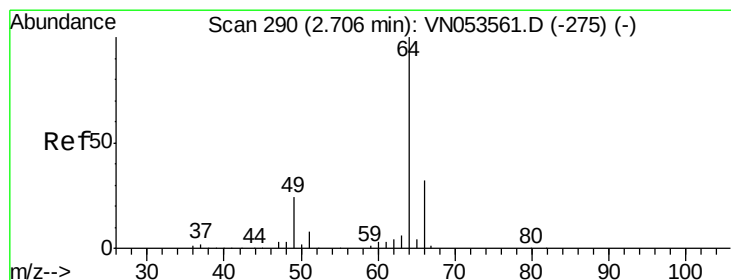
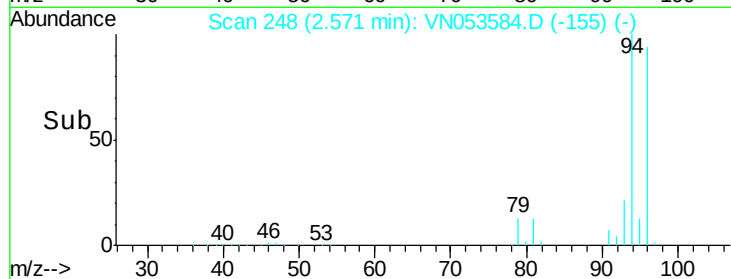
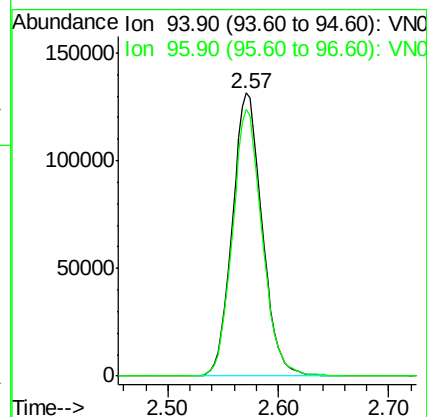
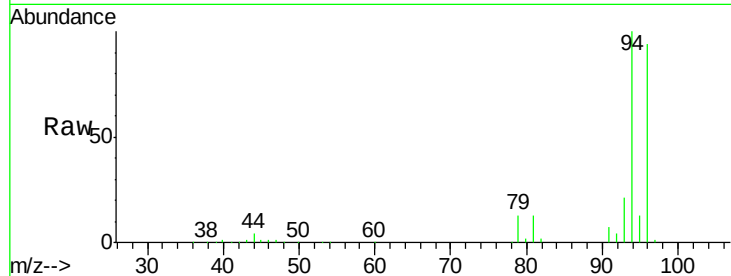




#5
Bromomethane
Concen: 48.710 ug/l
RT: 2.57 min Scan# 248
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

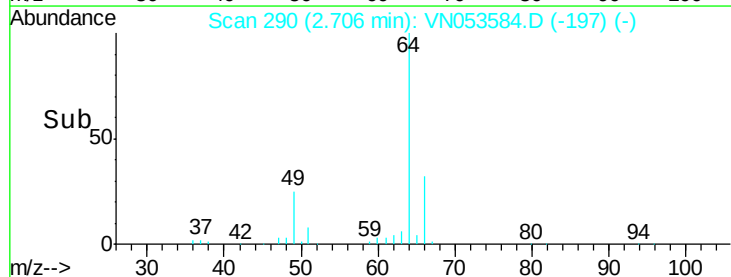
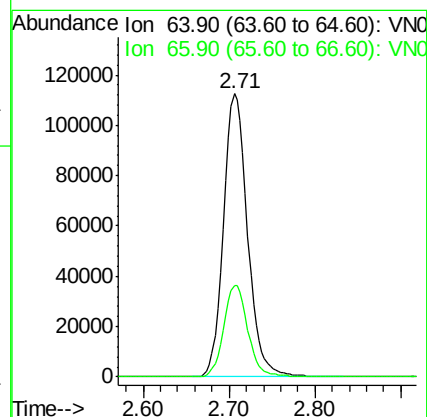
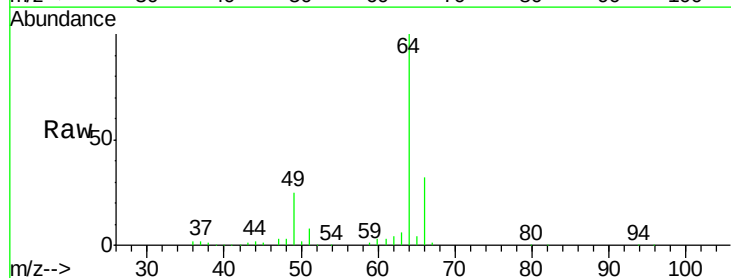
Instrument :
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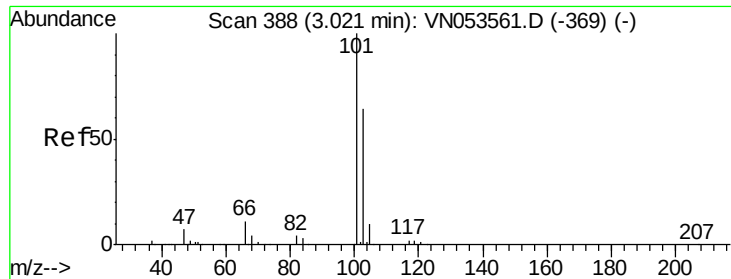
Tot Ion: 94 Resp: 246586
Ion Ratio Lower Upper
94 100
96 94.4 76.8 115.2



#6
Chloroethane
Concen: 49.635 ug/l
RT: 2.71 min Scan# 290
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

Tgt Ion: 64 Resp: 219606
Ion Ratio Lower Upper
64 100
66 32.2 25.1 37.7



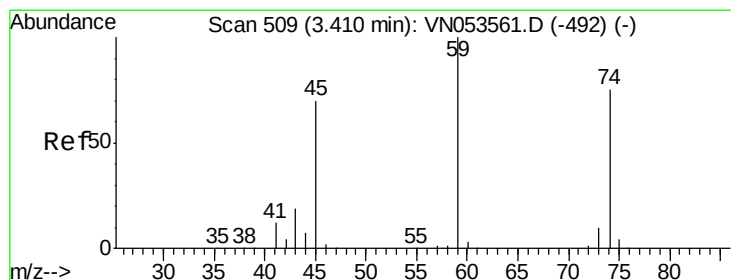
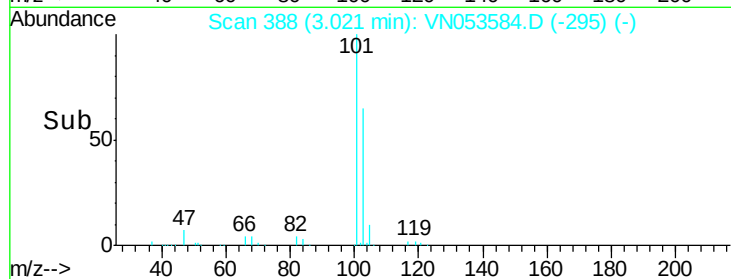
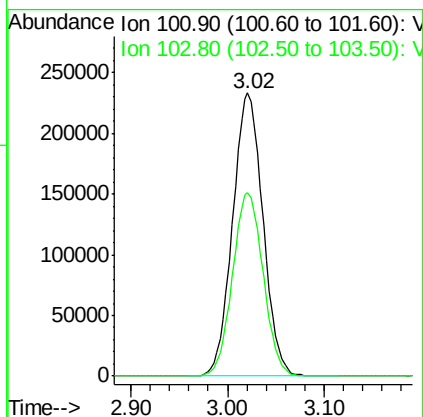
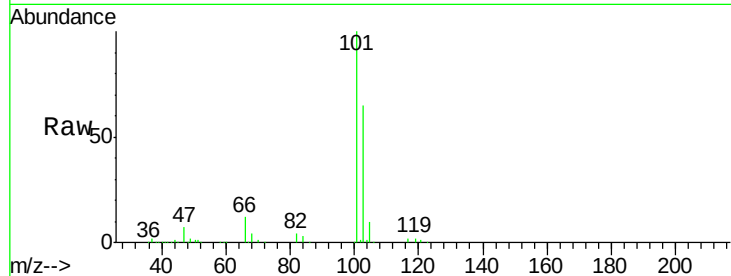


#7

Trichlorofluoromethane
 Concen: 48.403 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN053584.D
 Acq: 1 Feb 2019 18:42

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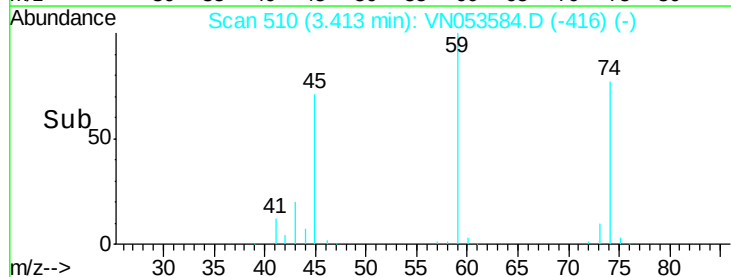
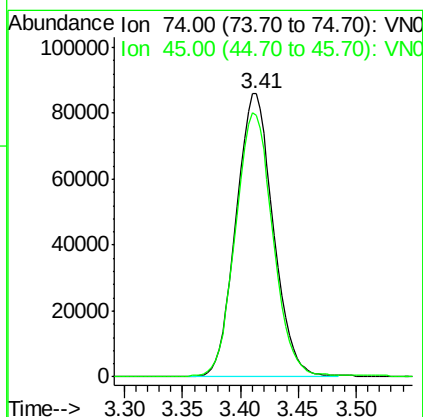
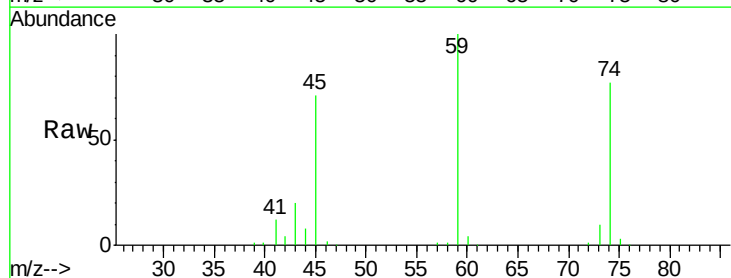
Tot Ion:101 Resp: 508204
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.6 77.4

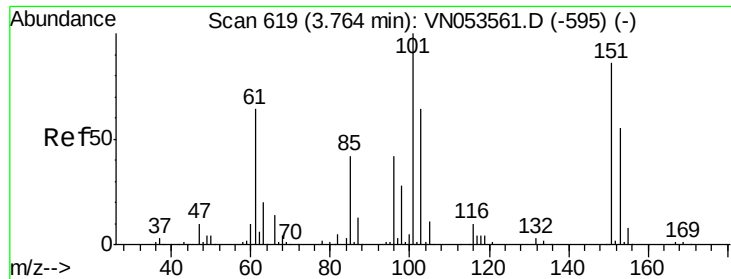


#8

Diethyl Ether
 Concen: 50.120 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053584.D
 Acq: 1 Feb 2019 18:42

Tgt Ion: 74 Resp: 192182
 Ion Ratio Lower Upper
 74 100
 45 92.7 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.376 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

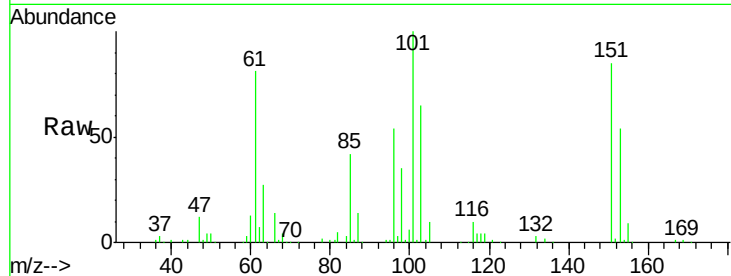
Tot Ion:101 Resp: 314121

Ion Ratio Lower Upper

101 100

85 41.6 32.8 49.2

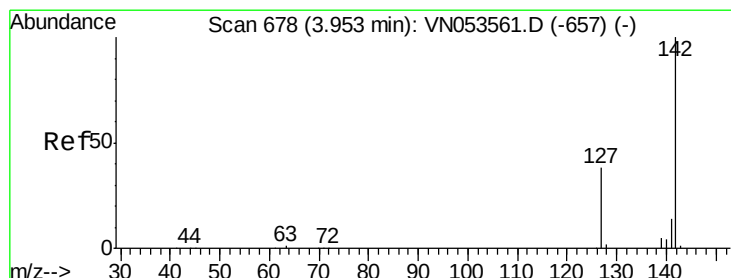
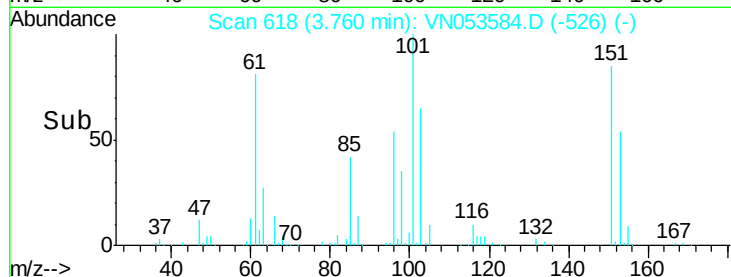
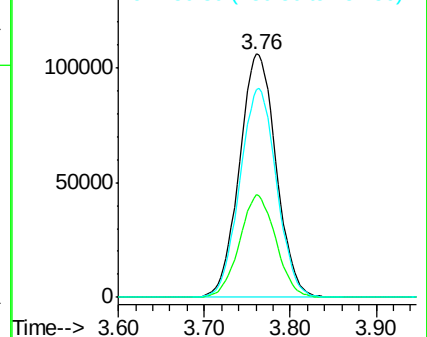
151 85.9 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.853 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

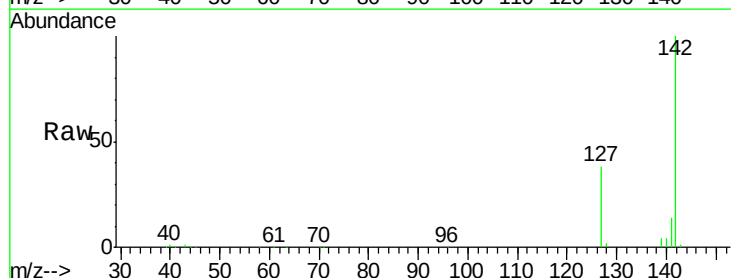
Tgt Ion:142 Resp: 487707

Ion Ratio Lower Upper

142 100

127 39.2 31.0 46.4

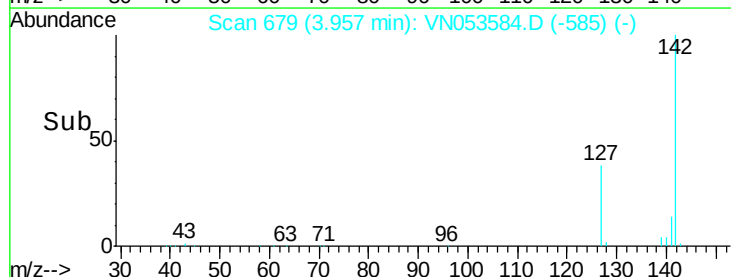
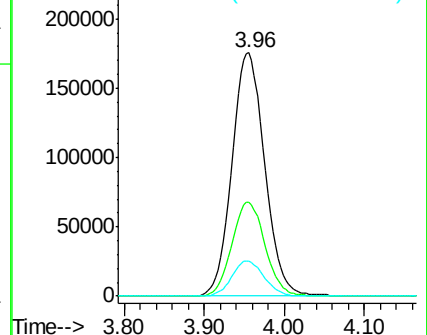
141 14.2 11.1 16.7

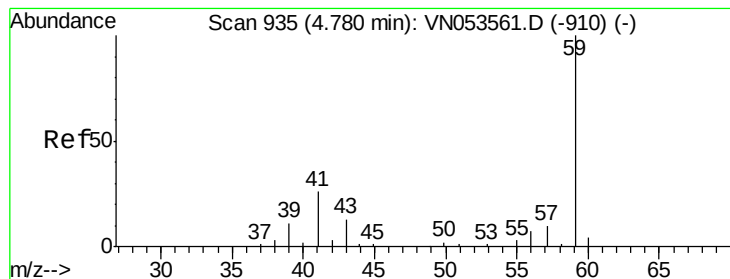


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



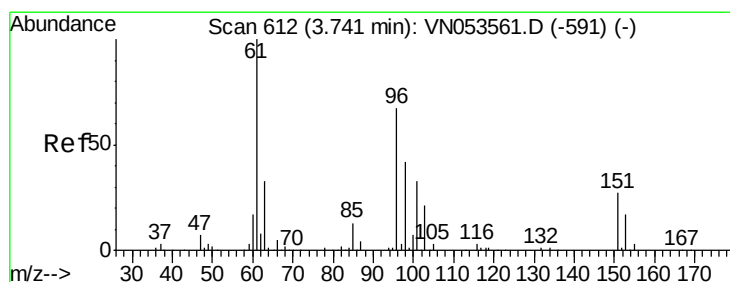
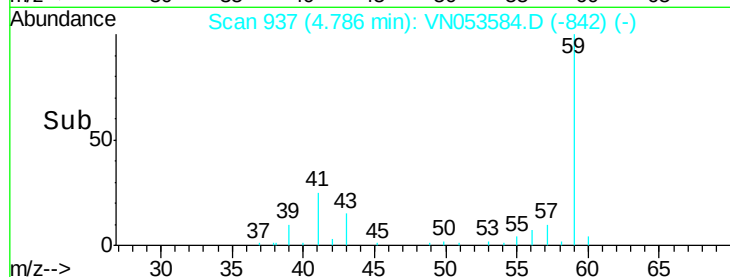
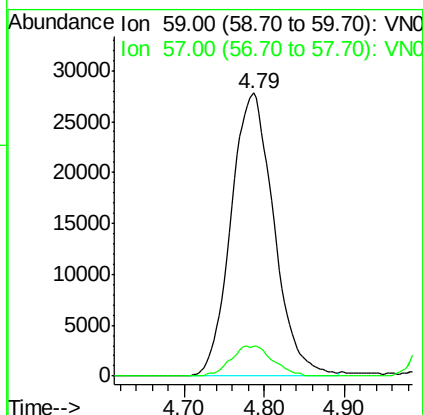
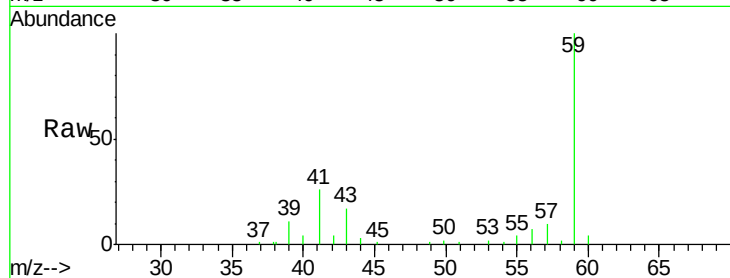


#11

Tert butyl alcohol
 Concen: 254.203 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VN053584.D
 Acq: 1 Feb 2019 18:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

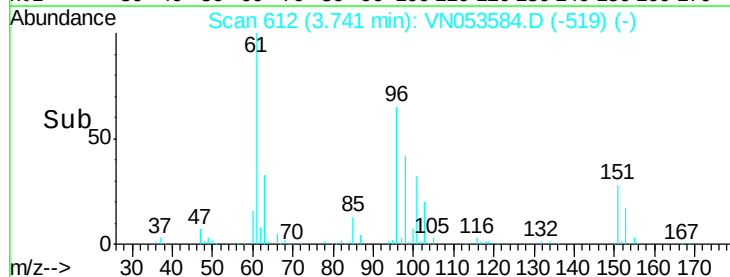
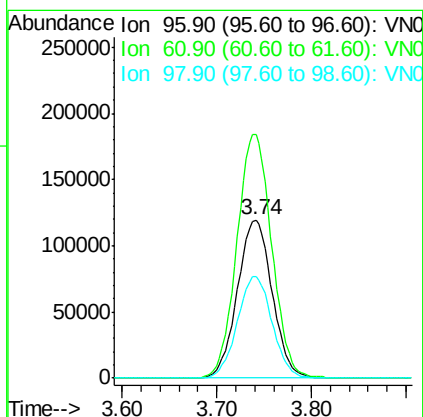
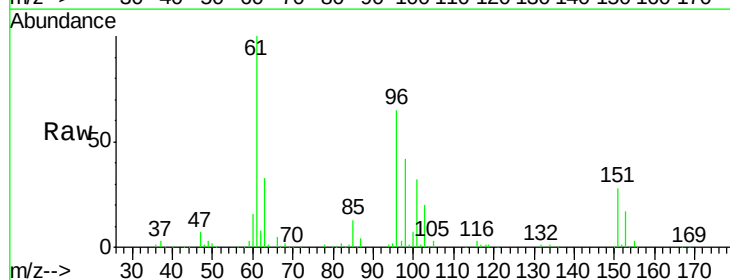
Tot Ion: 59 Resp: 101393
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.2 12.4

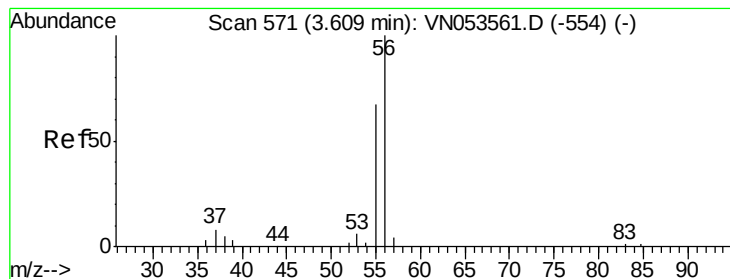


#12

1,1-Dichloroethene
 Concen: 48.973 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN053584.D
 Acq: 1 Feb 2019 18:42

Tgt Ion: 96 Resp: 304669
 Ion Ratio Lower Upper
 96 100
 61 153.9 122.9 184.3
 98 64.4 49.4 74.0





#13

Acrolein

Concen: 222.084 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

Instrument :

MSVOA_N

ClientSampleId :

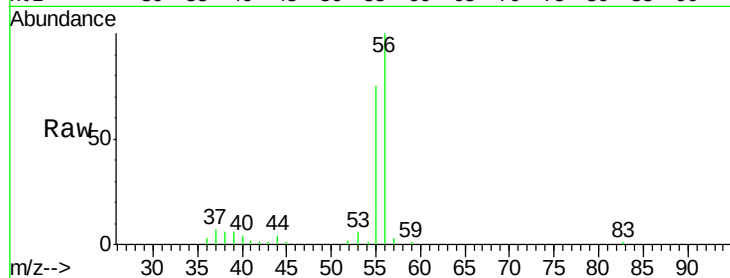
VSTDCCC050EC

Tot Ion: 56 Resp: 48229

Ion Ratio Lower Upper

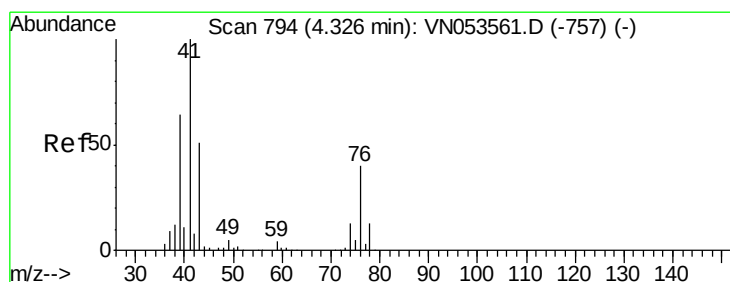
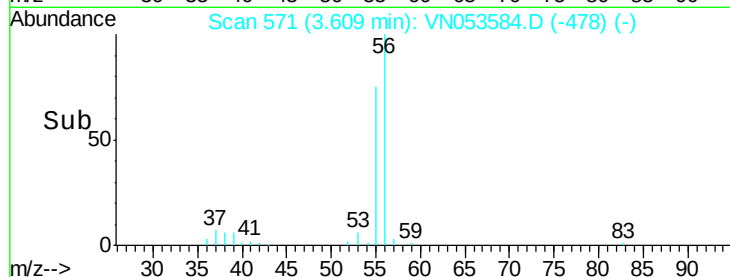
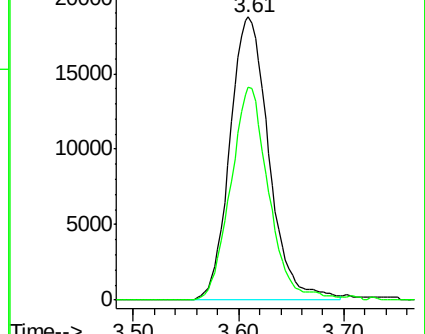
56 100

55 73.1 57.4 86.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 50.086 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

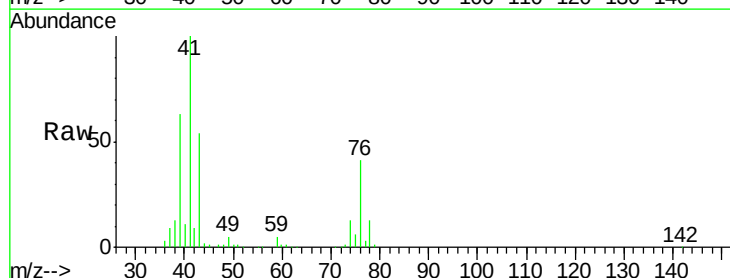
Tgt Ion: 41 Resp: 496123

Ion Ratio Lower Upper

41 100

39 60.8 48.9 73.3

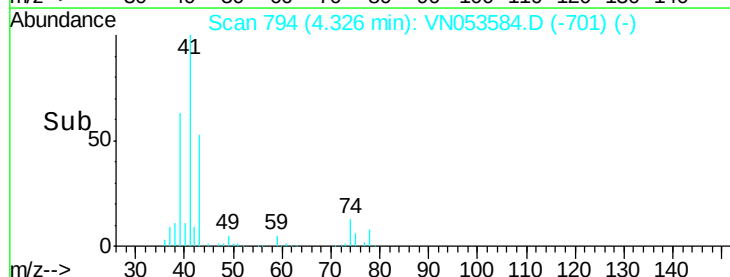
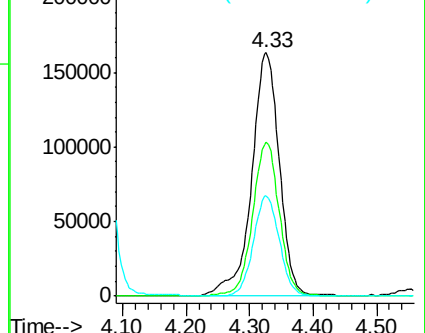
76 37.8 29.4 44.2

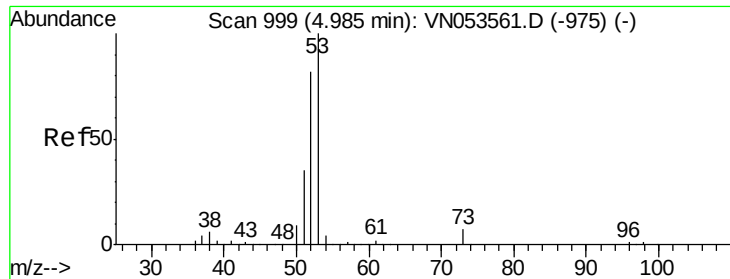


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 258.199 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

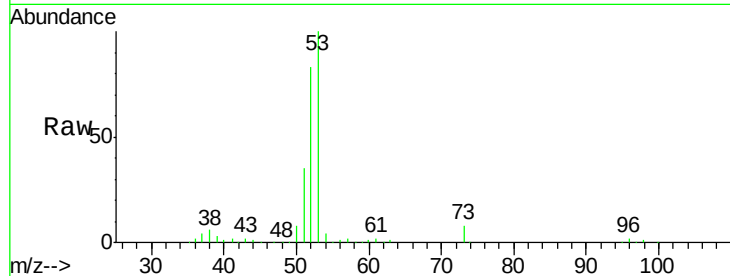
Tot Ion: 53 Resp: 555976

Ion Ratio Lower Upper

53 100

52 81.9 66.0 99.0

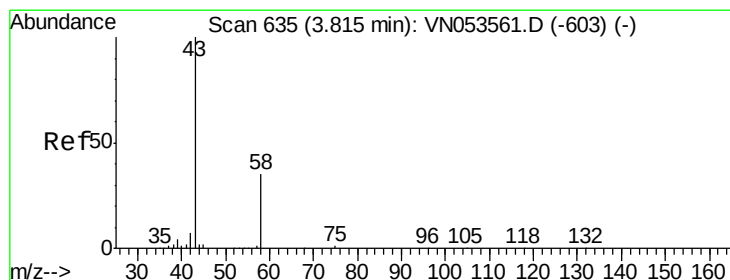
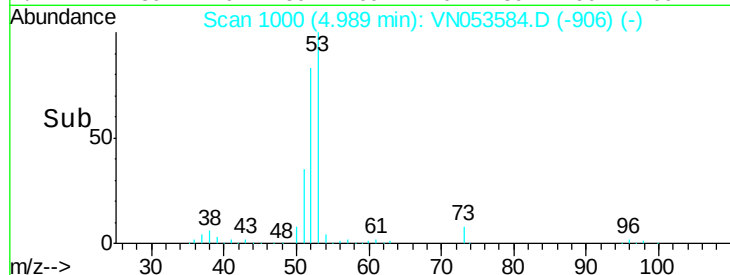
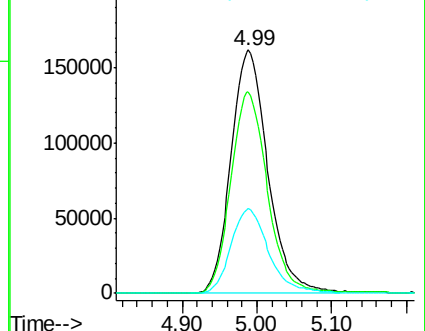
51 35.6 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN053584.D (-1000) (-)

Ion 52.00 (51.70 to 52.70): VN053584.D (-1000) (-)

Ion 51.00 (50.70 to 51.70): VN053584.D (-1000) (-)



#16

Acetone

Concen: 240.554 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN053584.D

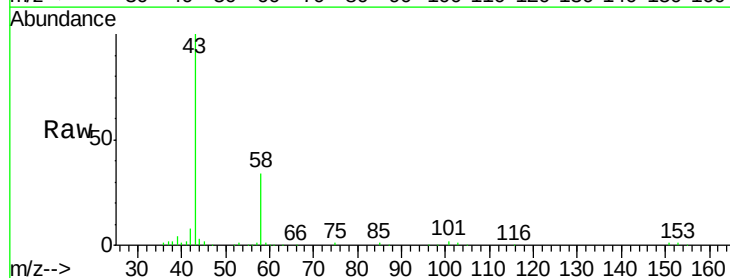
Acq: 1 Feb 2019 18:42

Tgt Ion: 43 Resp: 415853

Ion Ratio Lower Upper

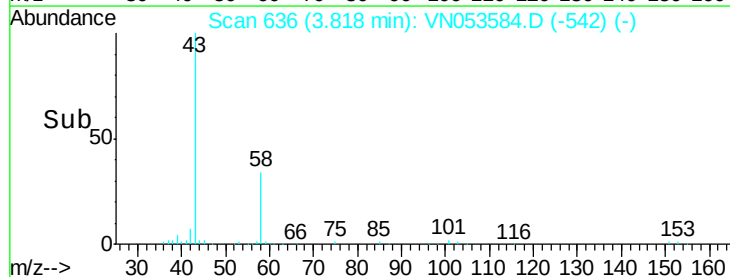
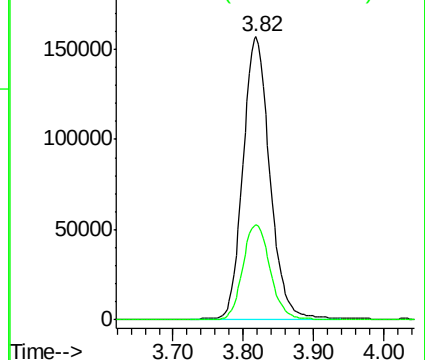
43 100

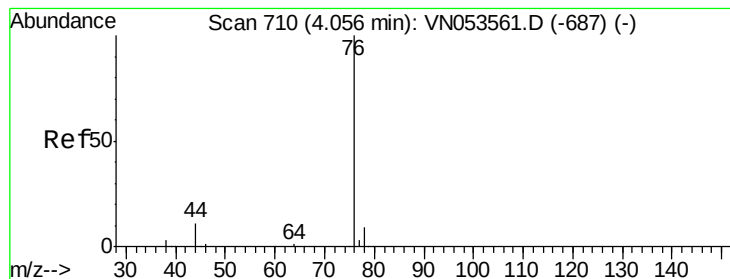
58 33.5 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN053584.D (-542) (-)

Ion 58.00 (57.70 to 58.70): VN053584.D (-542) (-)





#17

Carbon Disulfide

Concen: 46.765 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

Instrument :

MSVOA_N

ClientSampleId :

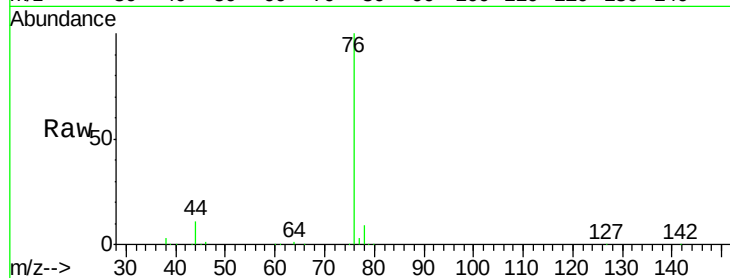
VSTDCCC050EC

Tot Ion: 76 Resp: 905910

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.06

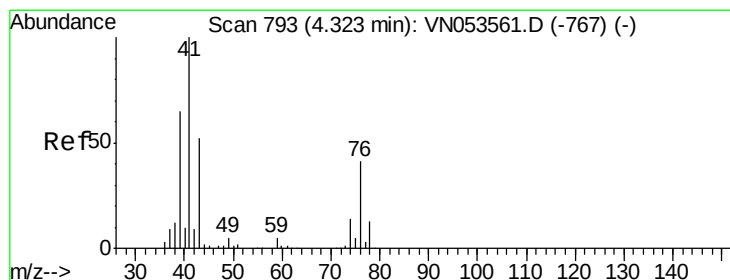
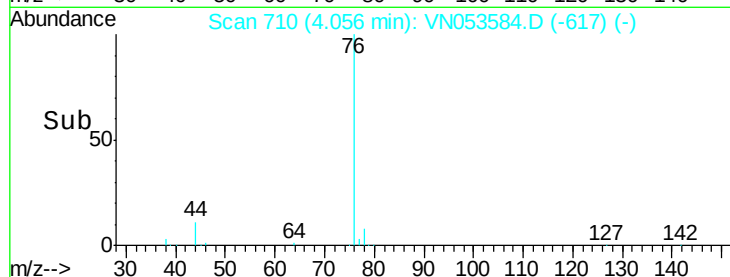
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 49.177 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN053584.D

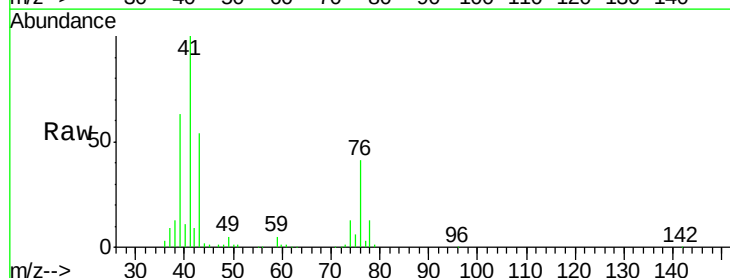
Acq: 1 Feb 2019 18:42

Tgt Ion: 43 Resp: 251772

Ion Ratio Lower Upper

43 100

74 25.3 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.32

100000

80000

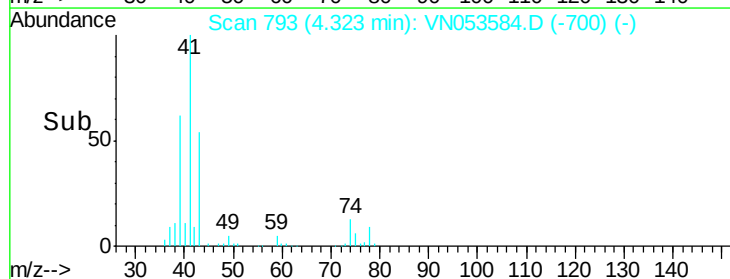
60000

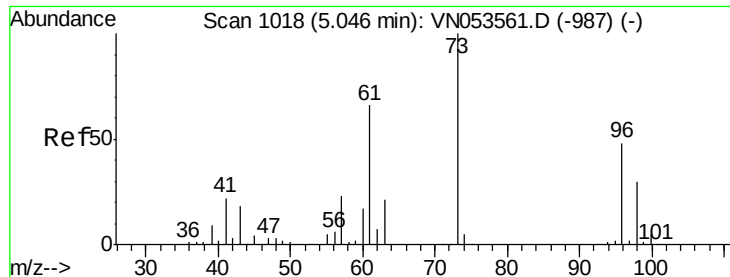
40000

20000

0

Time-->

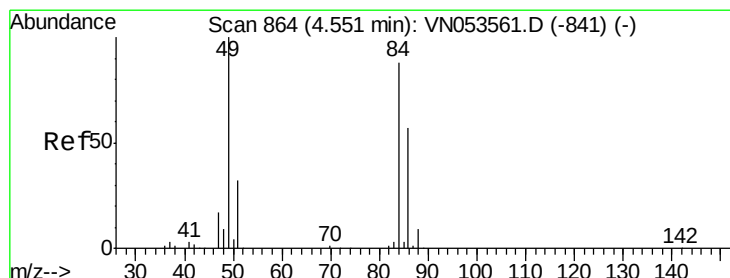
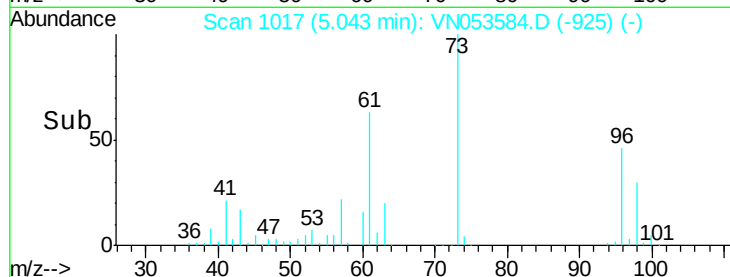
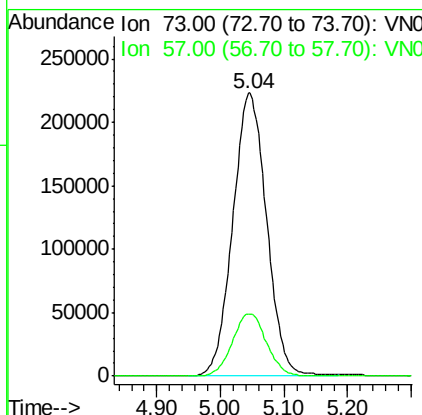
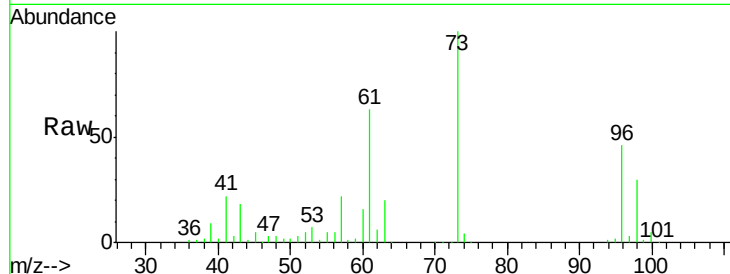




#19
Methyl tert-butyl Ether
Concen: 52.255 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

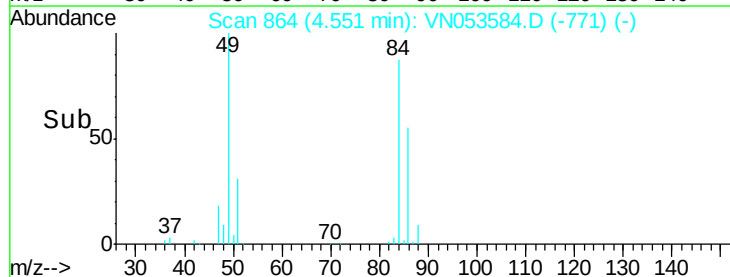
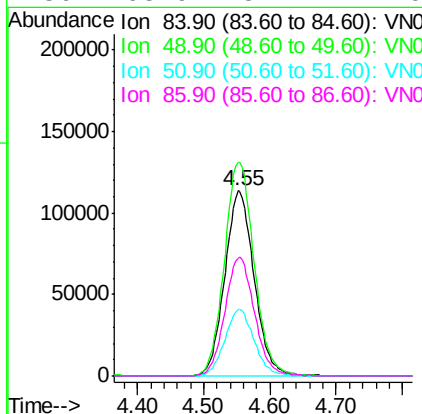
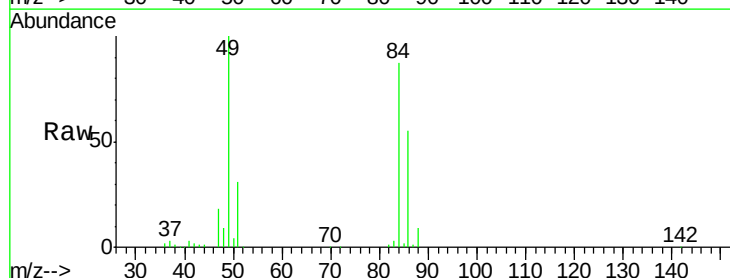
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

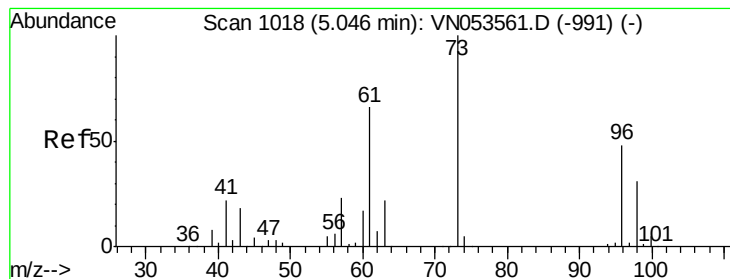
Tot Ion: 73 Resp: 824109
Ion Ratio Lower Upper
73 100
57 22.0 18.3 27.5



#20
Methylene Chloride
Concen: 48.268 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

Tgt Ion: 84 Resp: 350074
Ion Ratio Lower Upper
84 100
49 115.4 94.3 141.5
51 35.9 29.4 44.2
86 63.9 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 48.690 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

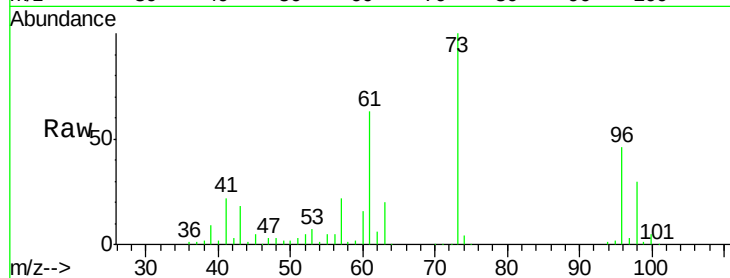
Tot Ion: 96 Resp: 326799

Ion Ratio Lower Upper

96 100

61 135.3 110.1 165.1

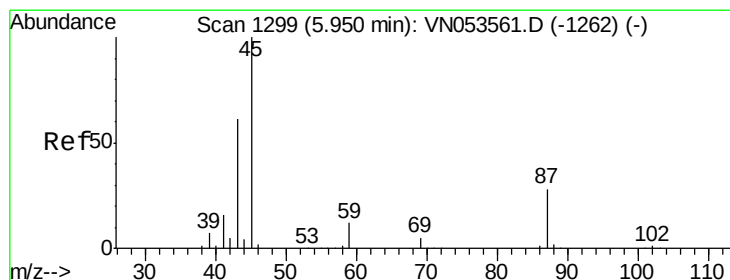
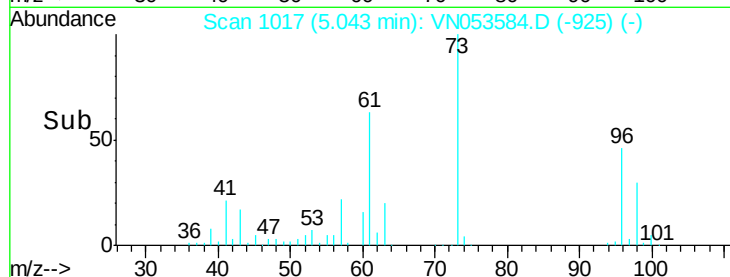
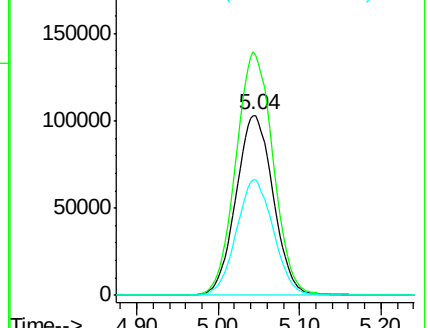
98 64.4 50.0 75.0



Abundance Ion 95.90 (95.60 to 96.60): VN053584.D (-1206) (-)

Ion 60.90 (60.60 to 61.60): VN053584.D (-1206) (-)

Ion 97.90 (97.60 to 98.60): VN053584.D (-1206) (-)



#22

Diisopropyl ether

Concen: 52.211 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

Tgt Ion: 45 Resp: 958277

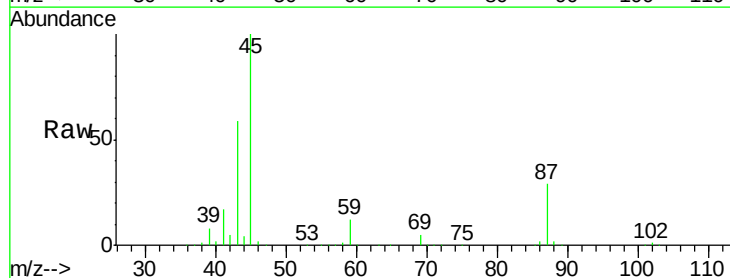
Ion Ratio Lower Upper

45 100

43 57.8 44.2 66.4

87 28.3 22.7 34.1

59 11.4 9.4 14.2

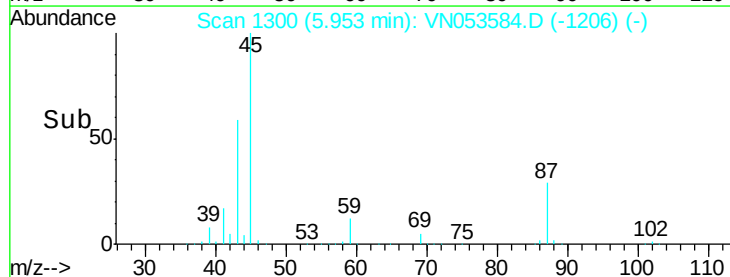
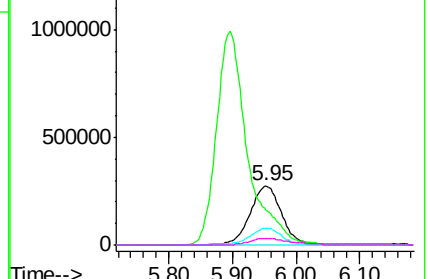


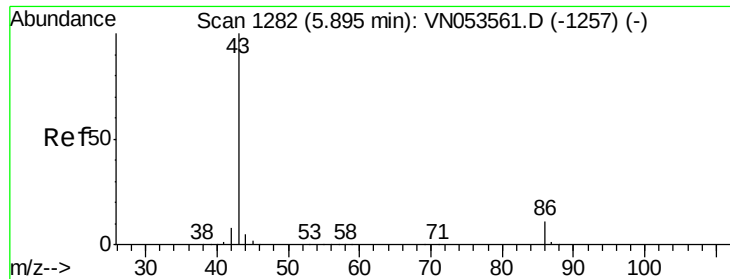
Abundance Ion 45.00 (44.70 to 45.70): VN053584.D (-1206) (-)

Ion 43.00 (42.70 to 43.70): VN053584.D (-1206) (-)

Ion 87.00 (86.70 to 87.70): VN053584.D (-1206) (-)

Ion 59.00 (58.70 to 59.70): VN053584.D (-1206) (-)

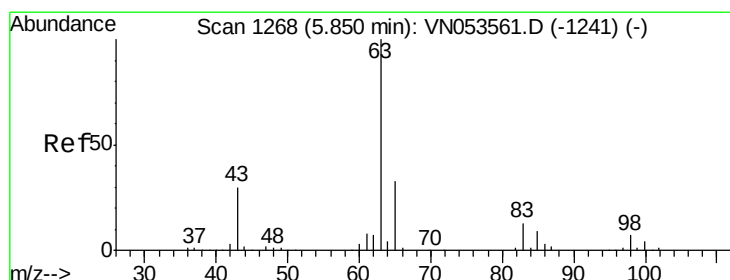
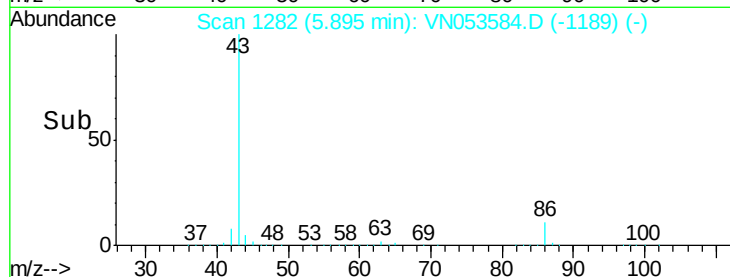
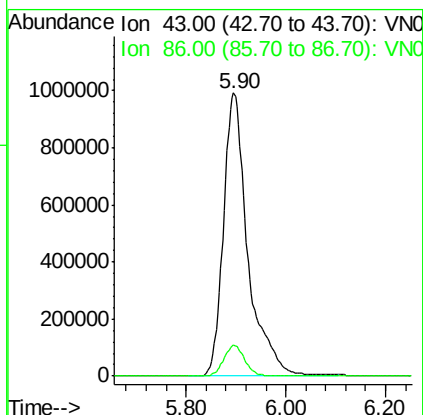
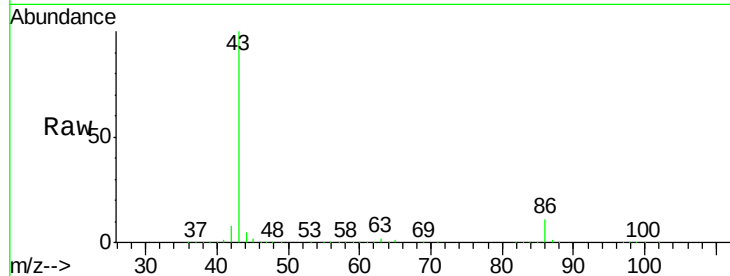




#23
 Vinyl Acetate
 Concen: 267.248 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053584.D
 Acq: 1 Feb 2019 18:42

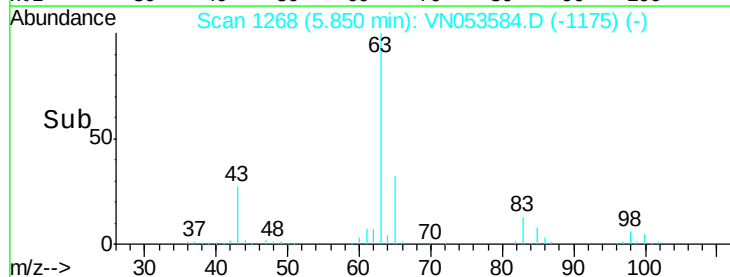
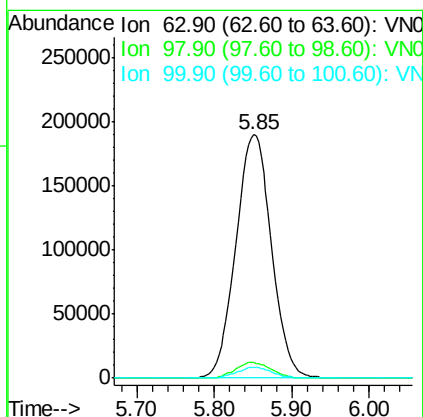
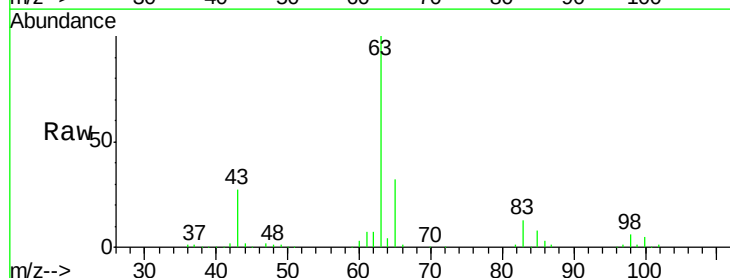
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

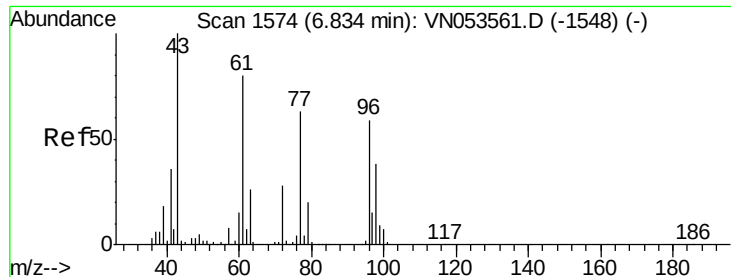
Tot Ion: 43 Resp: 3393254
 Ion Ratio Lower Upper
 43 100
 86 10.9 8.4 12.6



#24
 1,1-Dichloroethane
 Concen: 49.696 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN053584.D
 Acq: 1 Feb 2019 18:42

Tgt Ion: 63 Resp: 608372
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.3 9.9
 100 4.6 2.1 6.5





#25

2-Butanone

Concen: 250.980 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

Instrument :

MSVOA_N

ClientSampleId :

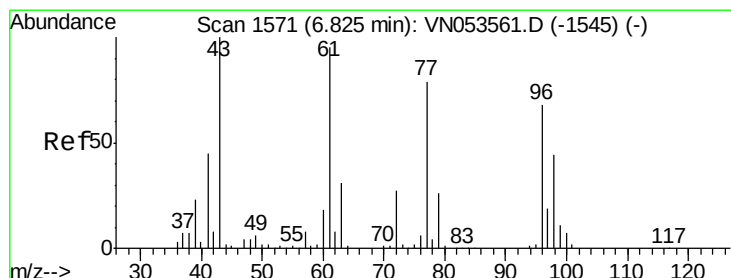
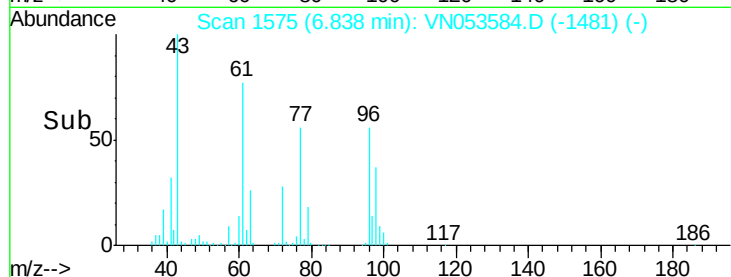
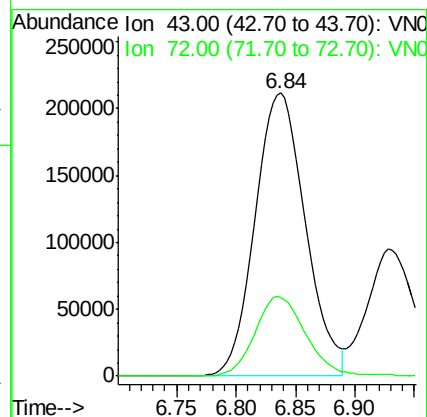
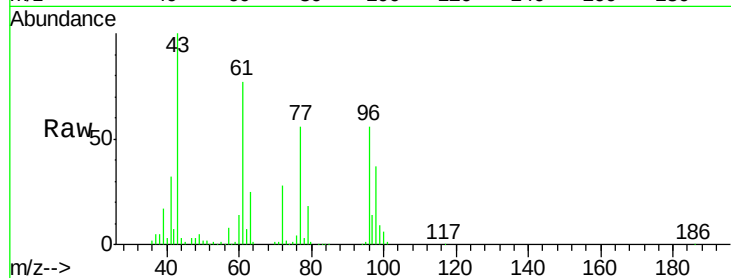
VSTDCCC050EC

Tot Ion: 43 Resp: 618803

Ion Ratio Lower Upper

43 100

72 27.7 22.0 33.0



#26

2,2-Dichloropropane

Concen: 47.514 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN053584.D

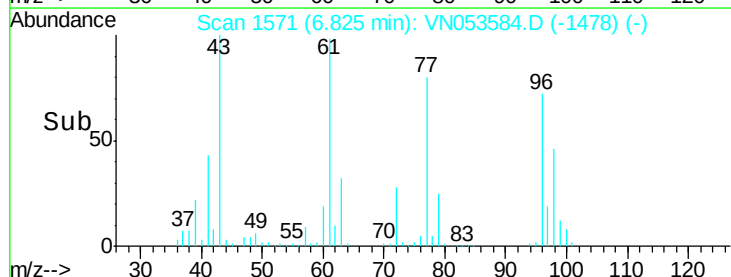
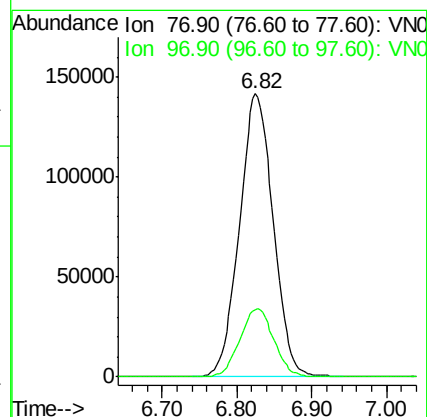
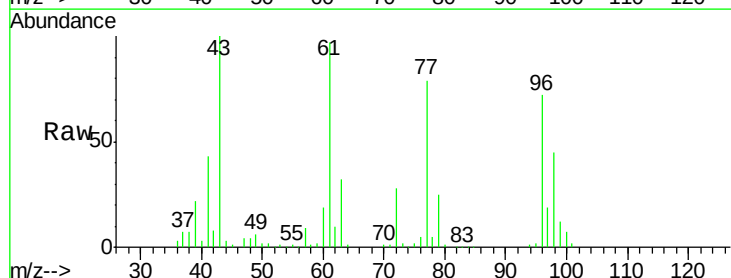
Acq: 1 Feb 2019 18:42

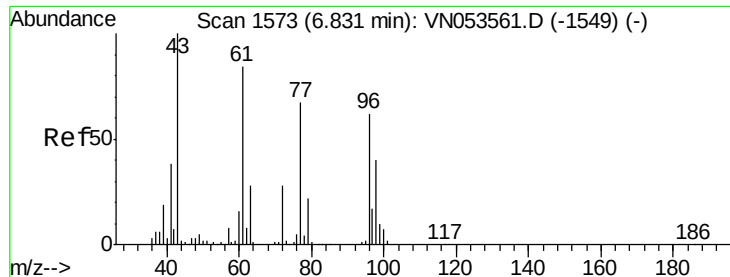
Tgt Ion: 77 Resp: 444023

Ion Ratio Lower Upper

77 100

97 24.3 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 50.438 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

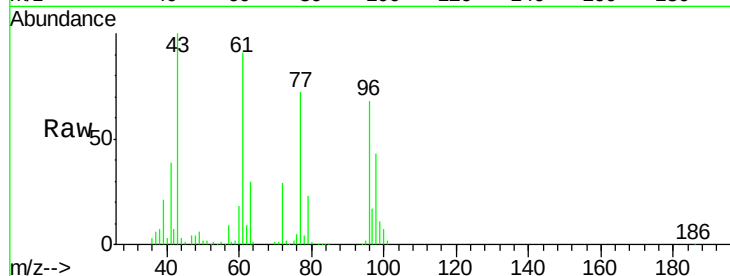
Tot Ion: 96 Resp: 376436

Ion Ratio Lower Upper

96 100

61 138.3 0.0 283.8

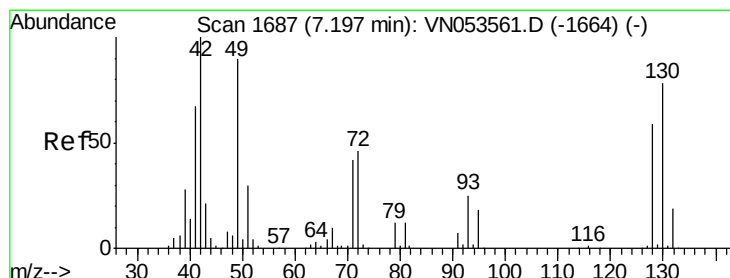
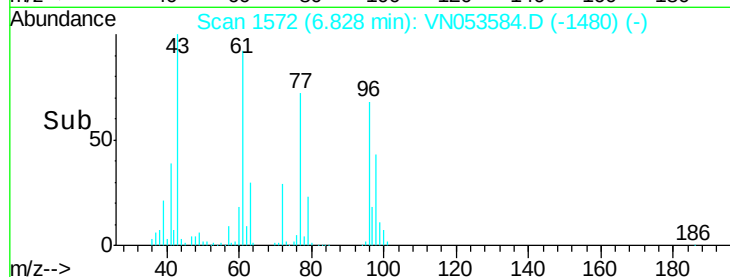
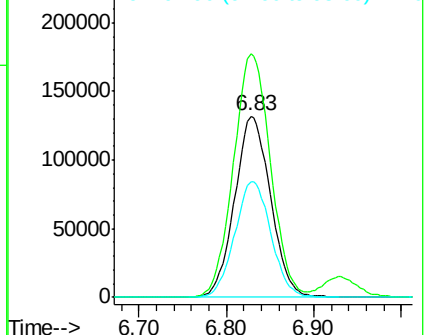
98 64.2 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN053561.D (-1549) (-)

Ion 60.90 (60.60 to 61.60): VN053561.D (-1549) (-)

Ion 97.90 (97.60 to 98.60): VN053561.D (-1549) (-)



#28

Bromochloromethane

Concen: 47.800 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

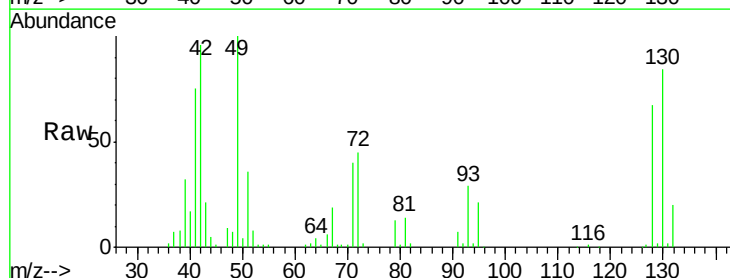
Tgt Ion: 49 Resp: 253939

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.0

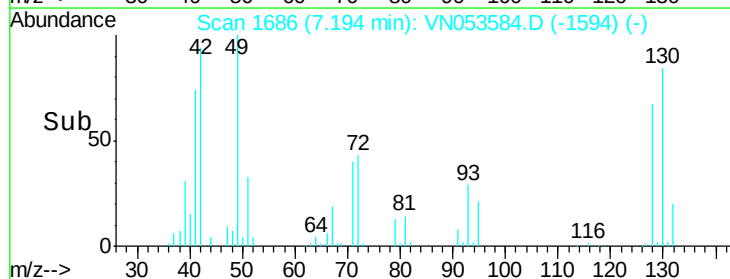
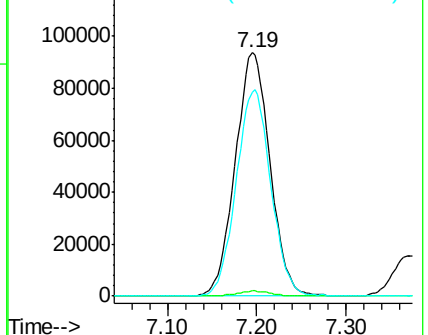
130 84.3 66.3 99.5

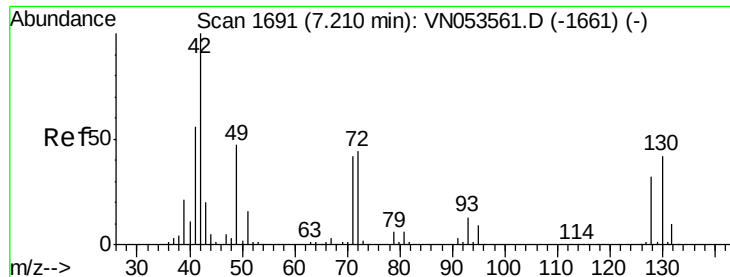


Abundance Ion 48.90 (48.60 to 49.60): VN053561.D (-1664) (-)

Ion 128.80 (128.50 to 129.50): VN053561.D (-1664) (-)

Ion 129.80 (129.50 to 130.50): VN053561.D (-1664) (-)

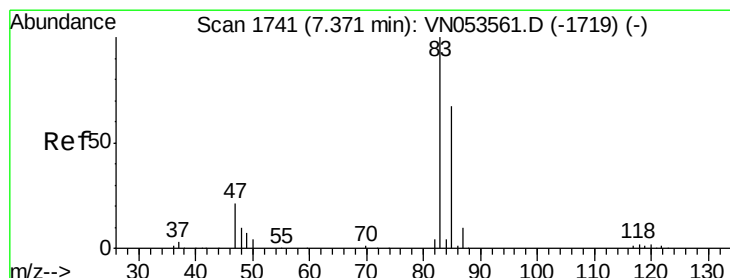
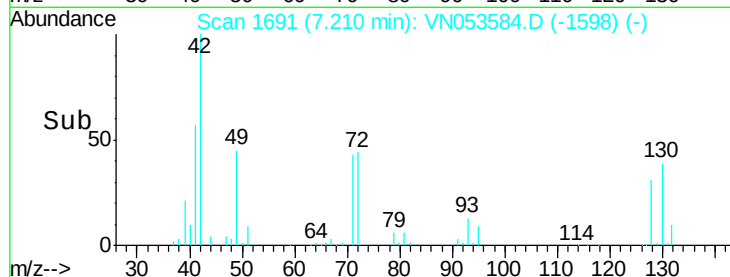
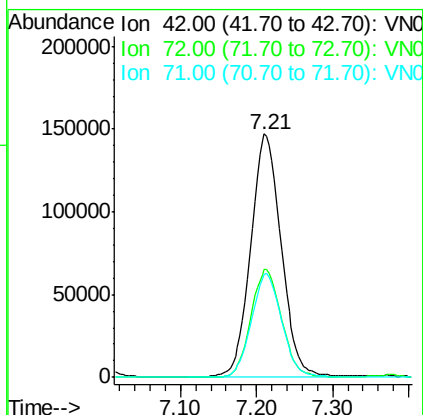
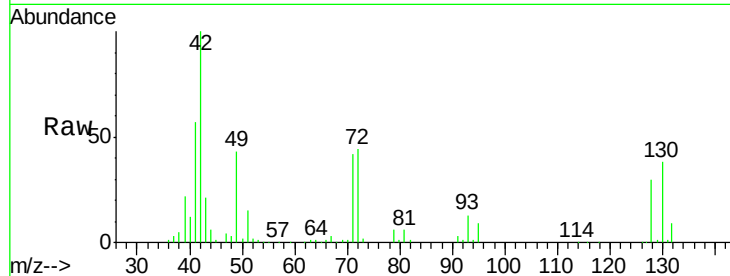




#29
Tetrahydrofuran
Concen: 260.695 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

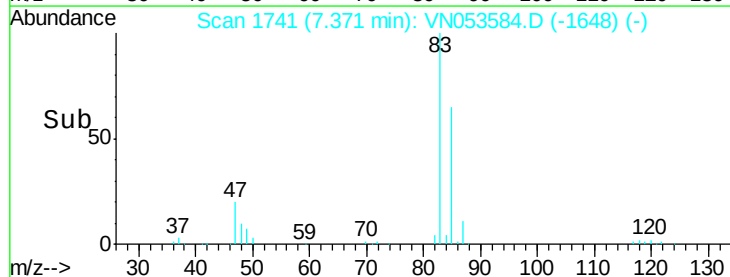
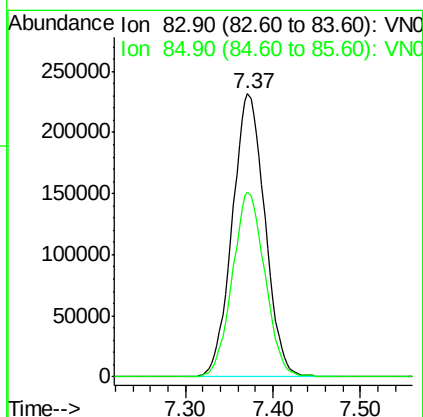
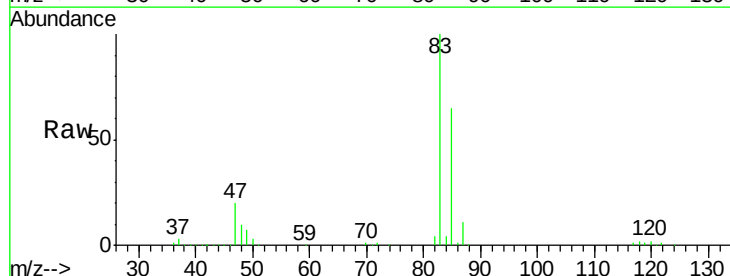
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

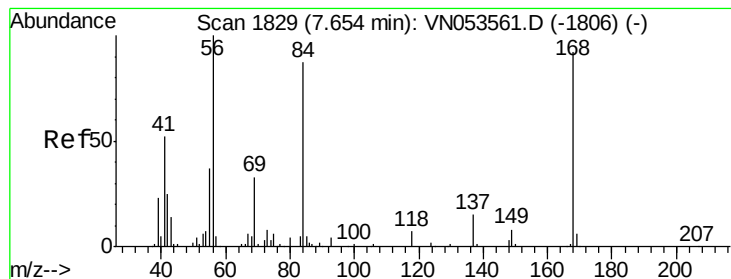
Tot Ion: 42 Resp: 412733
Ion Ratio Lower Upper
42 100
72 44.4 35.2 52.8
71 42.3 33.0 49.4



#30
Chloroform
Concen: 49.445 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

Tgt Ion: 83 Resp: 600032
Ion Ratio Lower Upper
83 100
85 65.2 52.2 78.2





#31

Cyclohexane

Concen: 48.151 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

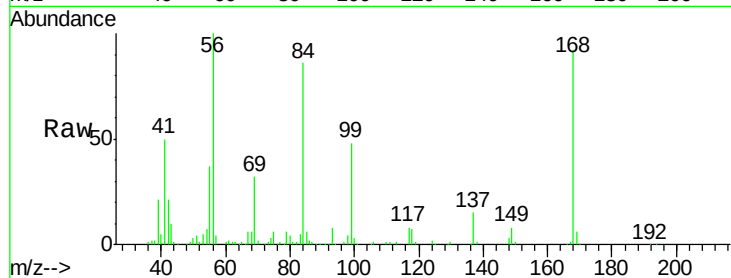
Tot Ion: 56 Resp: 548881

Ion Ratio Lower Upper

56 100

69 32.3 26.4 39.6

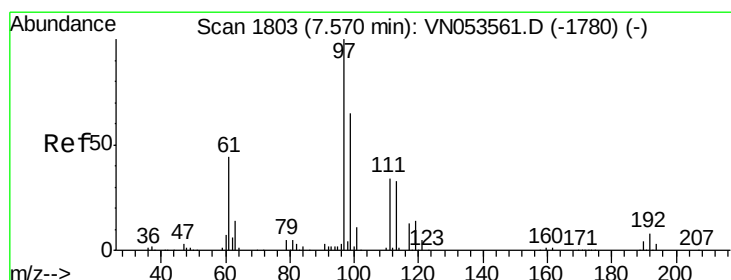
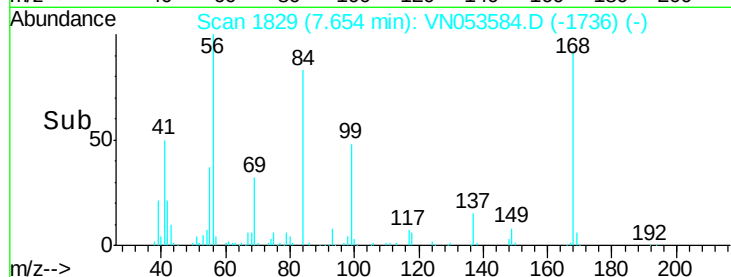
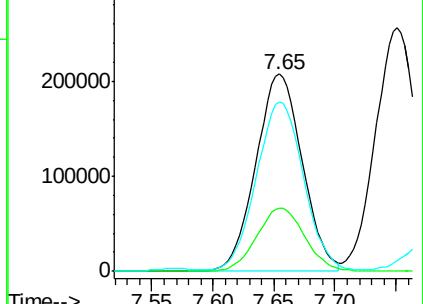
84 85.0 67.9 101.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 50.142 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

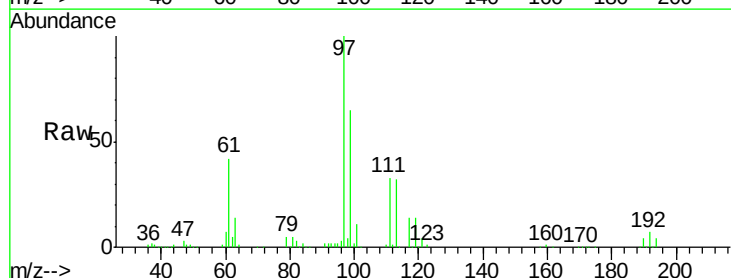
Tgt Ion: 97 Resp: 506397

Ion Ratio Lower Upper

97 100

99 64.3 52.0 78.0

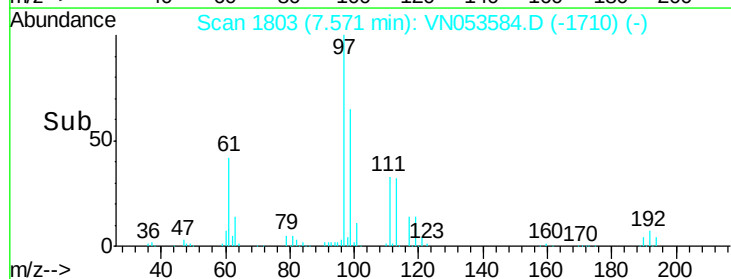
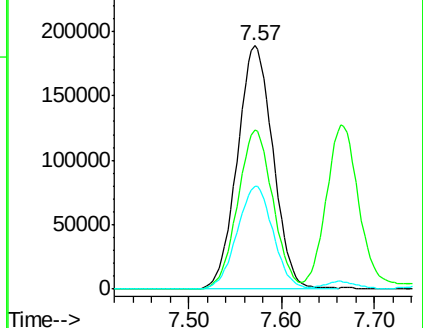
61 42.3 34.4 51.6

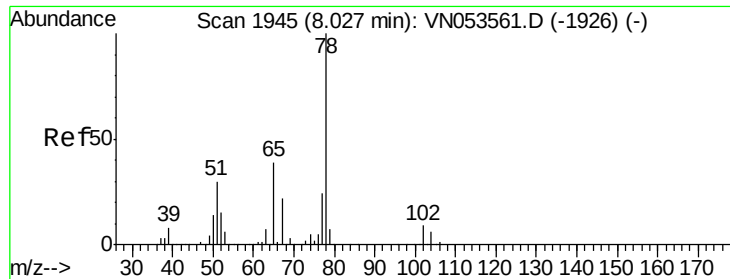


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

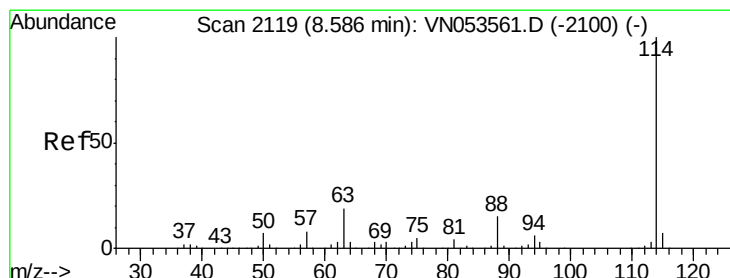
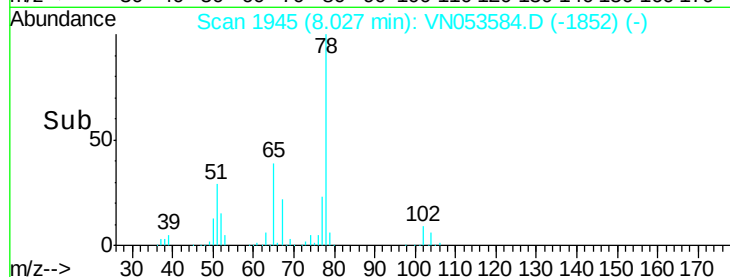
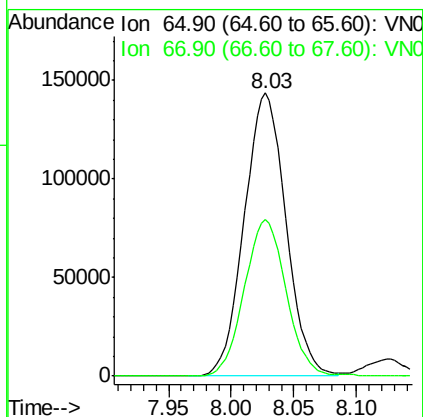
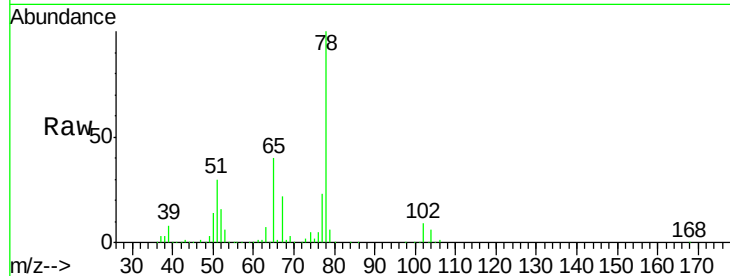




#33
 1,2-Dichloroethane-d4
 Concen: 50.142 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053584.D
 Acq: 1 Feb 2019 18:42

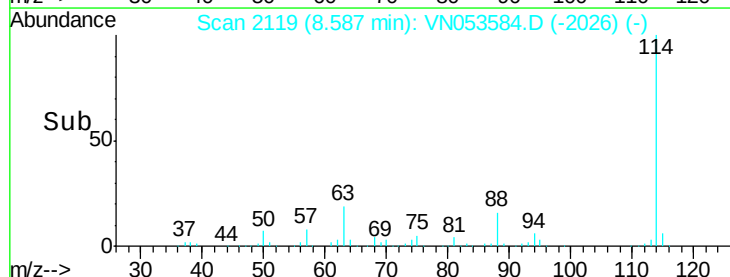
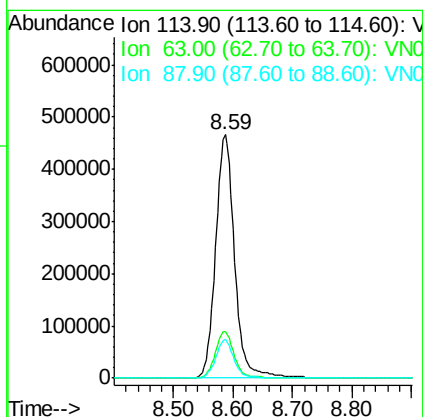
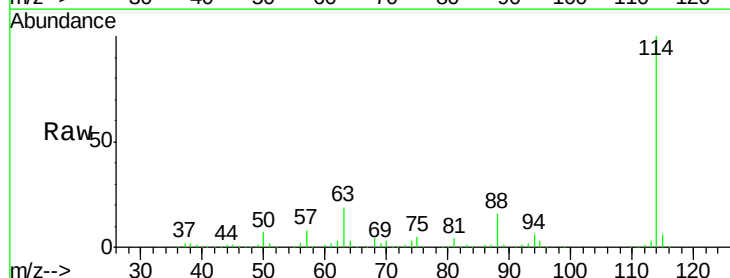
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

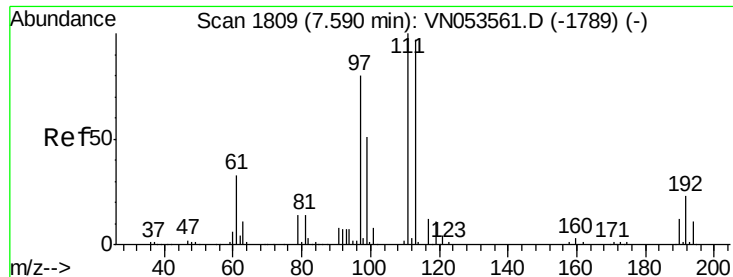
Tot Ion: 65 Resp: 332371
 Ion Ratio Lower Upper
 65 100
 67 55.6 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053584.D
 Acq: 1 Feb 2019 18:42

Tgt Ion: 114 Resp: 1029014
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 38.6
 88 15.8 0.0 30.4

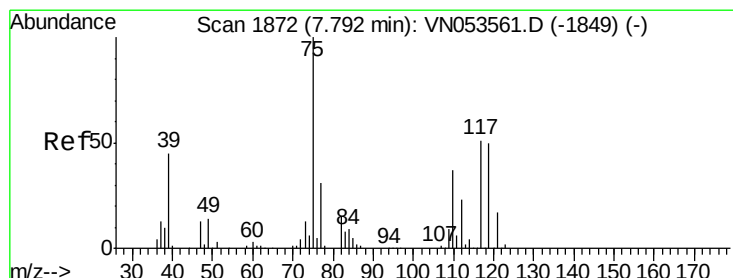
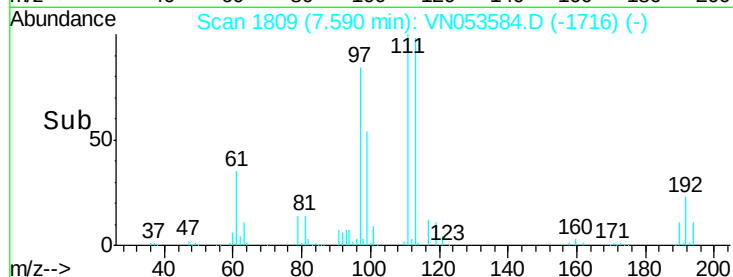
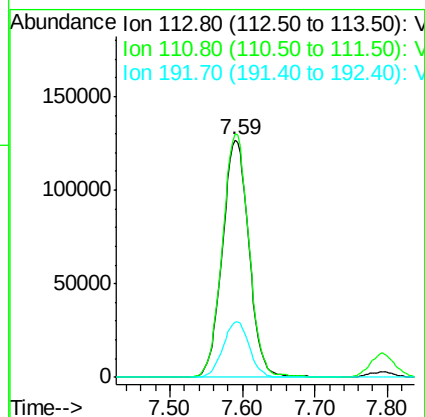
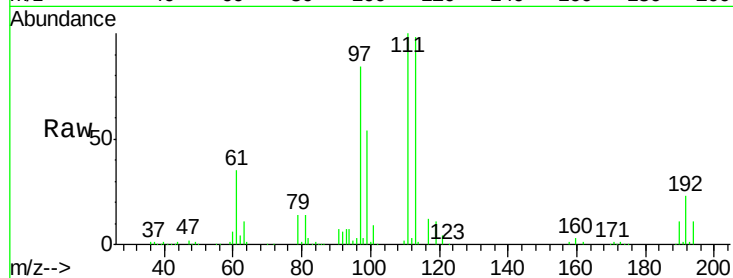




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053584.D
 Acq: 1 Feb 2019 18:42

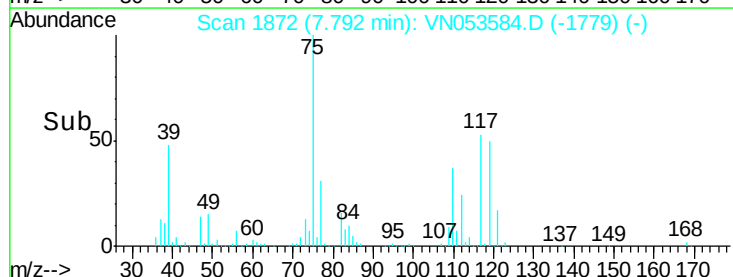
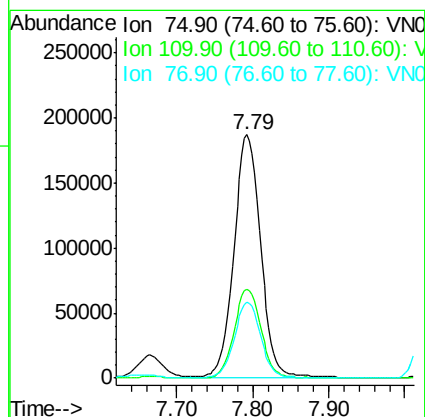
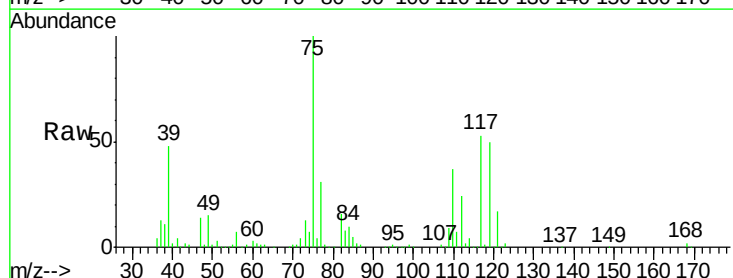
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

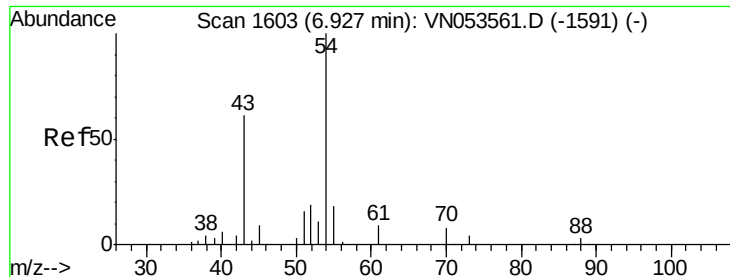
Tot Ion:113 Resp: 322720
 Ion Ratio Lower Upper
 113 100
 111 101.5 81.1 121.7
 192 23.0 18.2 27.2



#36
 1,1-Dichloropropene
 Concen: 49.134 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053584.D
 Acq: 1 Feb 2019 18:42

Tgt Ion: 75 Resp: 455760
 Ion Ratio Lower Upper
 75 100
 110 36.8 18.1 54.3
 77 31.3 25.1 37.7

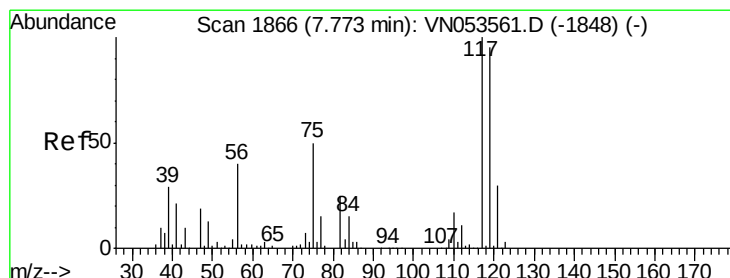
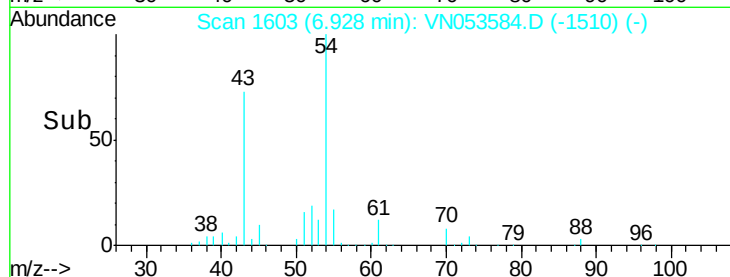
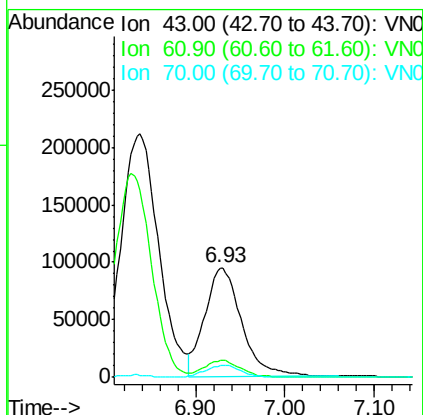
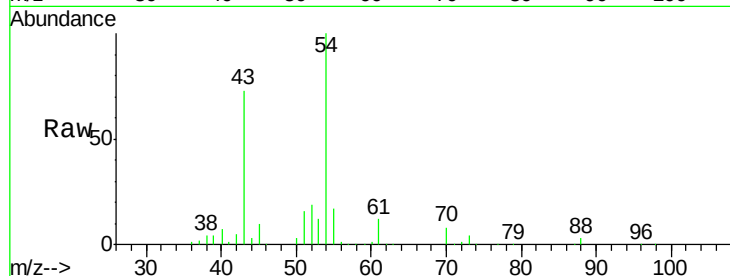




#37
Ethyl Acetate
Concen: 52.088 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

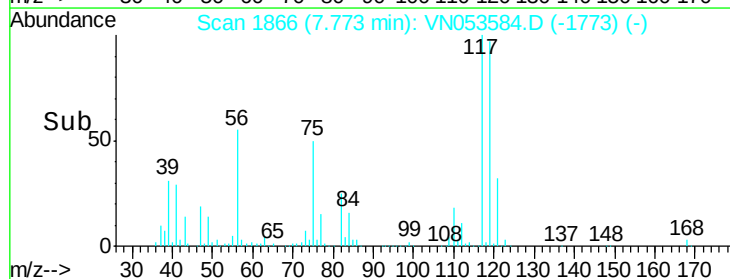
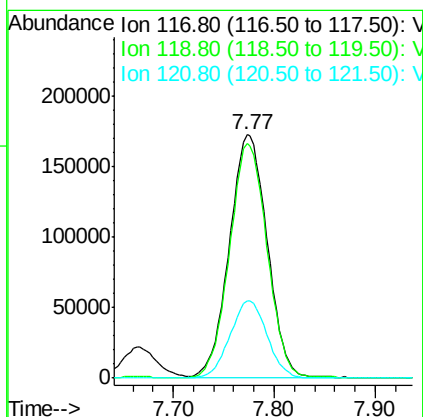
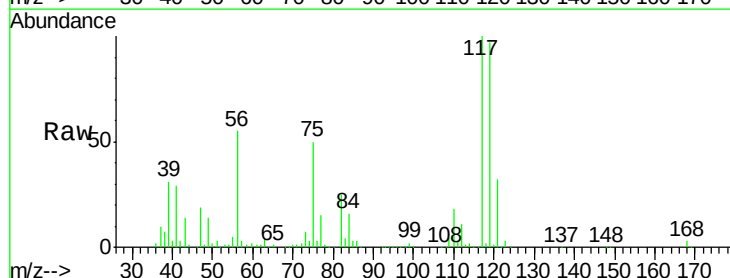
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

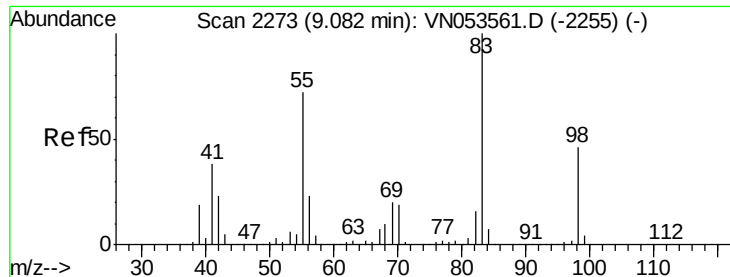
Tot Ion: 43 Resp: 269849
Ion Ratio Lower Upper
43 100
61 15.2 11.8 17.6
70 10.9 8.6 12.8



#38
Carbon Tetrachloride
Concen: 47.870 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

Tgt Ion: 117 Resp: 447322
Ion Ratio Lower Upper
117 100
119 96.7 77.2 115.8
121 31.7 24.6 37.0

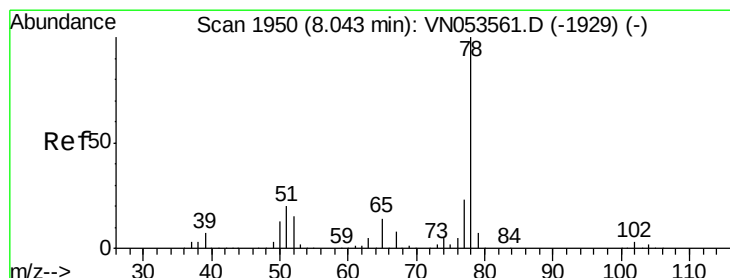
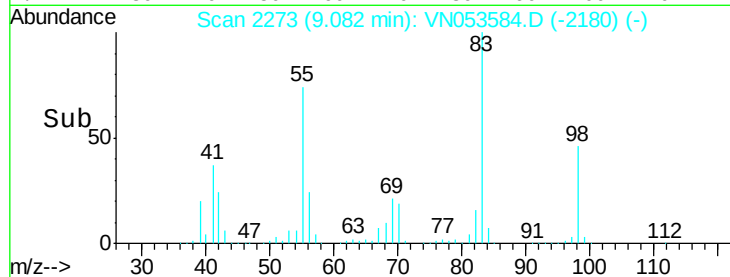
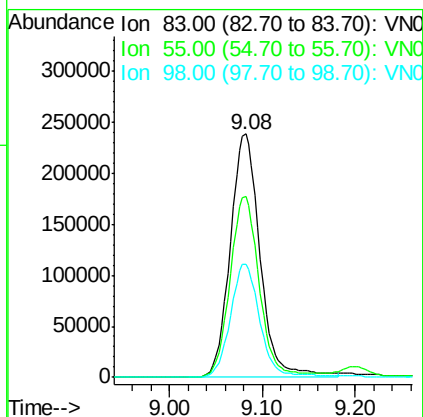
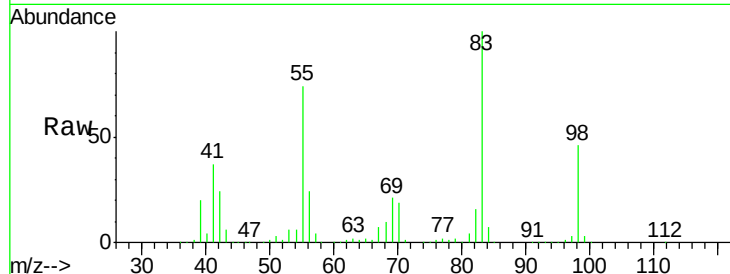




#39
Methylvlcyclohexane
Concen: 48.366 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

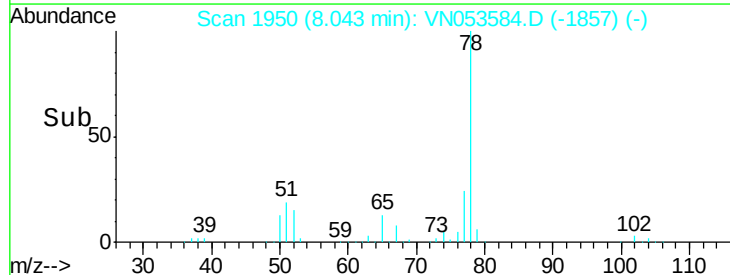
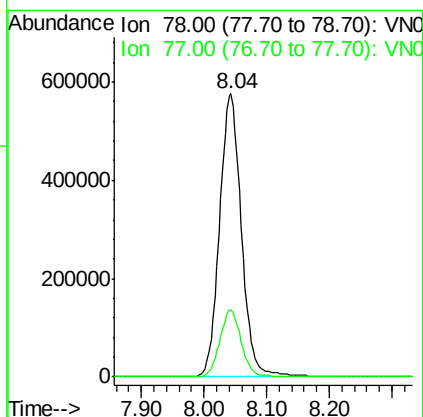
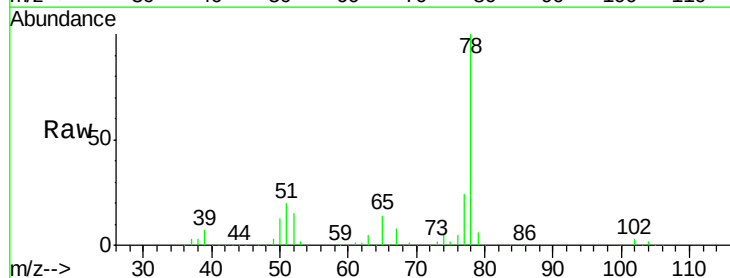
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

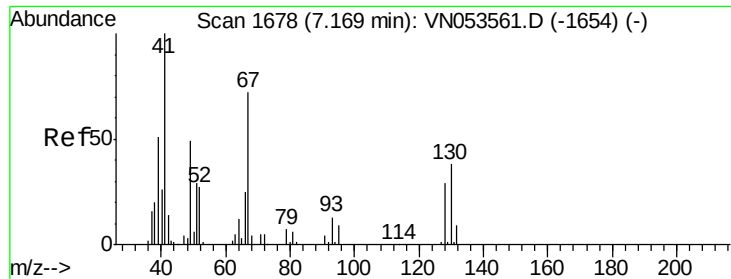
Tot Ion: 83 Resp: 532264
Ion Ratio Lower Upper
83 100
55 74.2 60.1 90.1
98 46.4 36.6 55.0



#40
Benzene
Concen: 48.648 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

Tgt Ion: 78 Resp: 1391558
Ion Ratio Lower Upper
78 100
77 23.7 18.8 28.2

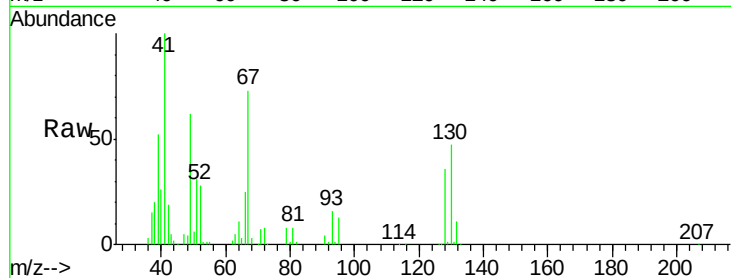




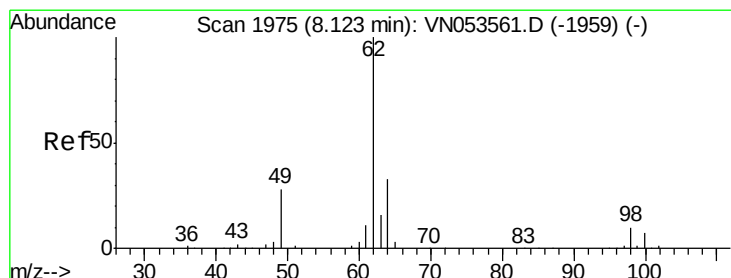
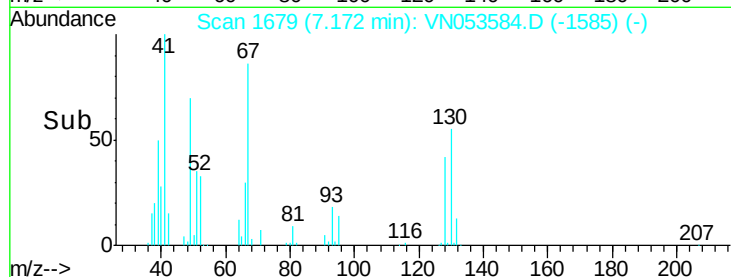
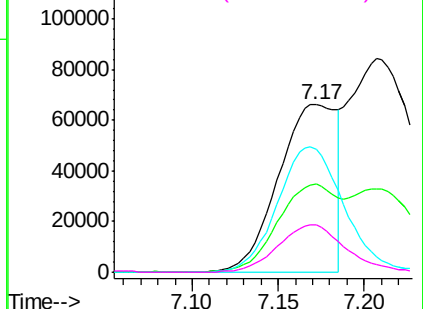
#41
Methacrylonitrile
Concen: 53.670 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 41 Resp: 155400
Ion Ratio Lower Upper
41 100
39 55.2 46.8 70.2
67 86.4 63.0 94.6
52 32.2 23.8 35.8

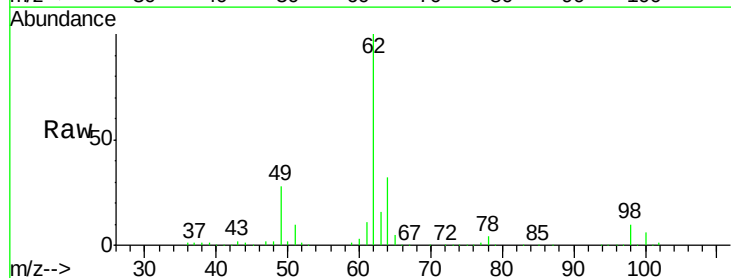


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

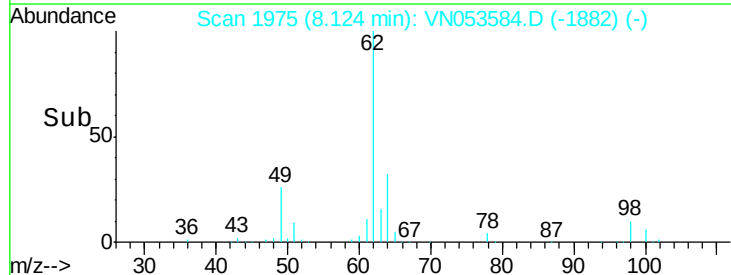
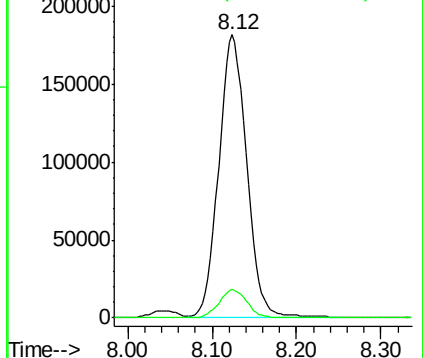


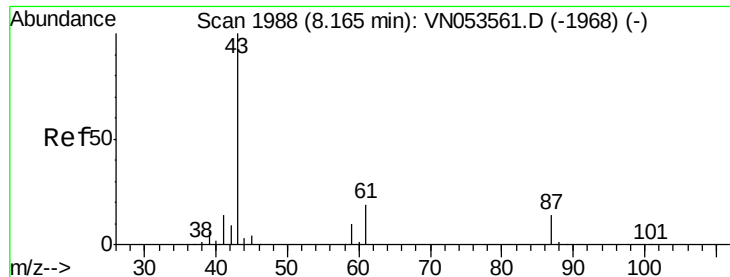
#42
1,2-Dichloroethane
Concen: 49.075 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

Tgt Ion: 62 Resp: 416808
Ion Ratio Lower Upper
62 100
98 10.0 0.0 19.6



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





#43

Isopropyl Acetate

Concen: 47.845 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

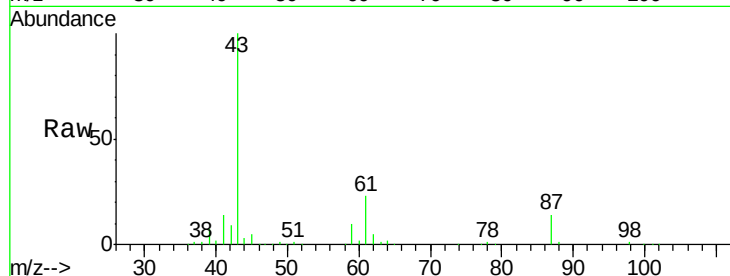
Tot Ion: 43 Resp: 478690

Ion Ratio Lower Upper

43 100

61 30.7 23.9 35.9

87 14.2 11.0 16.6

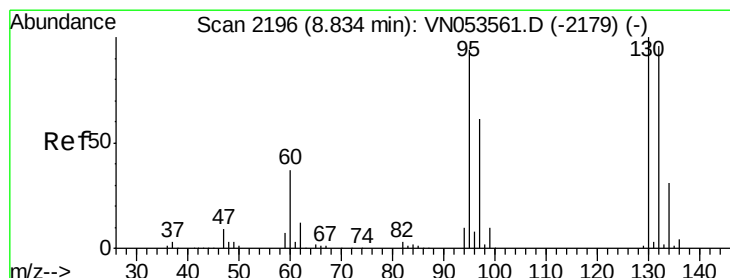
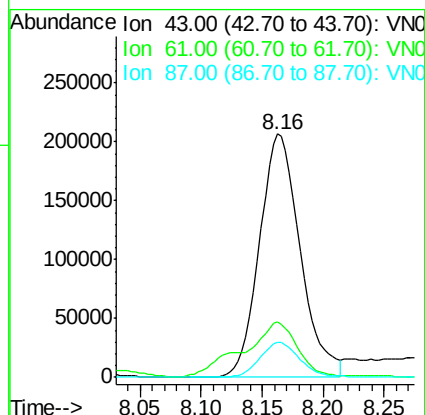
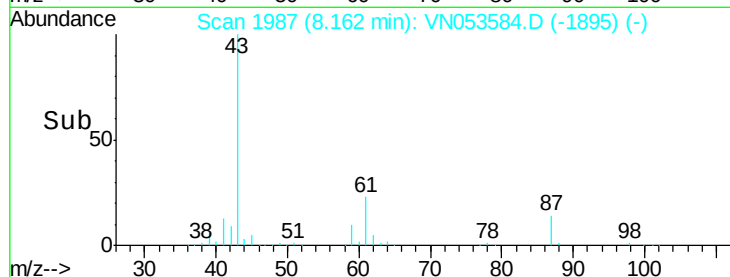


Abundance Ion 43.00 (42.70 to 43.70): VN053561.D (-1968) (-)

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

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

Time-->



#44

Trichloroethene

Concen: 45.936 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN053584.D

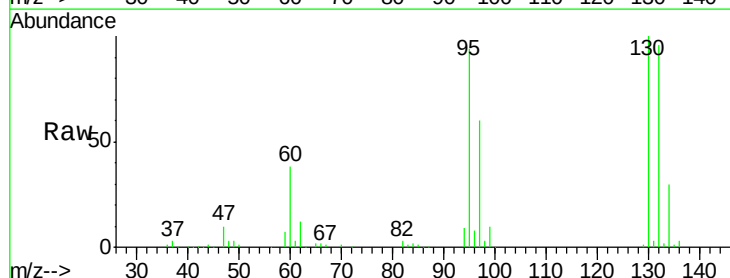
Acq: 1 Feb 2019 18:42

Tgt Ion:130 Resp: 374081

Ion Ratio Lower Upper

130 100

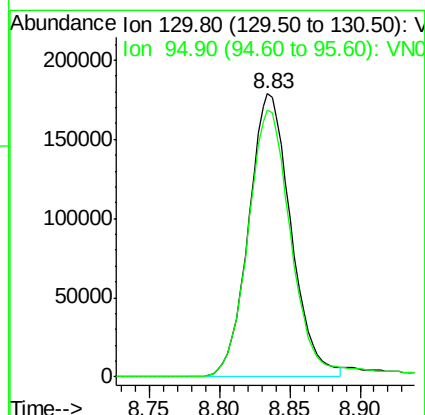
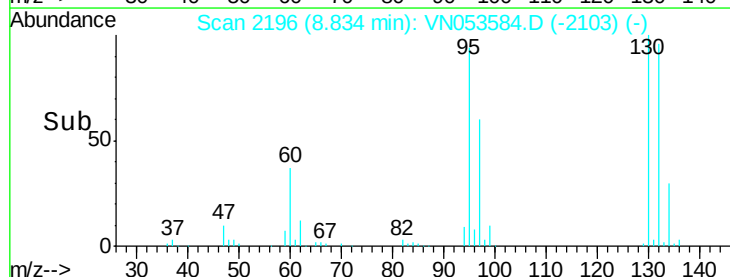
95 94.4 0.0 191.4

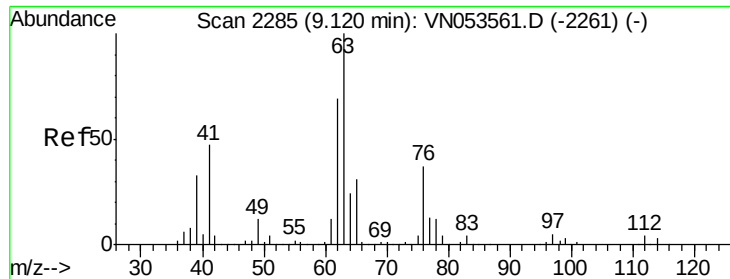


Abundance Ion 129.80 (129.50 to 130.50): VN053561.D (-2179) (-)

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

Time-->





#45

1,2-Dichloropropane

Concen: 49.667 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

Instrument :

MSVOA_N

ClientSampleId :

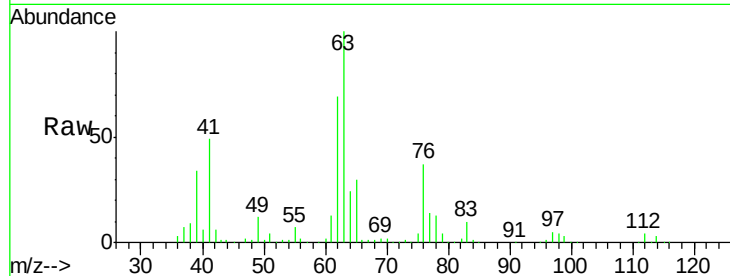
VSTDCCC050EC

Tot Ion: 63 Resp: 363379

Ion Ratio Lower Upper

63 100

65 30.4 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

200000

150000

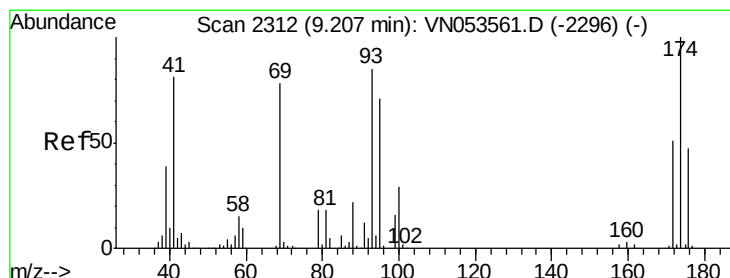
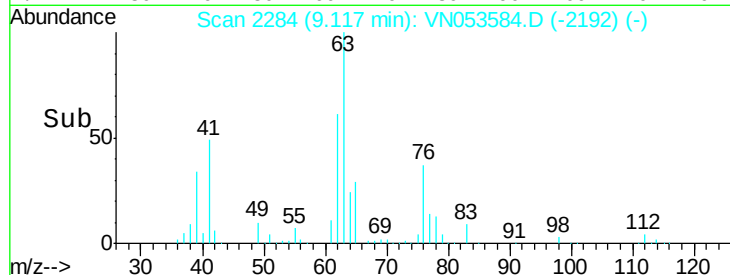
100000

50000

0

9.00 9.10 9.20 9.30

Time-->



#46

Dibromomethane

Concen: 49.103 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

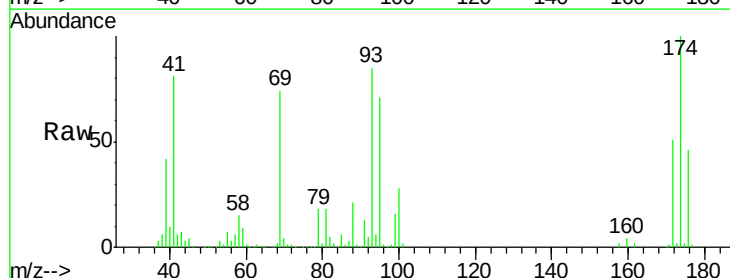
Tgt Ion: 93 Resp: 216563

Ion Ratio Lower Upper

93 100

95 82.9 67.3 100.9

174 116.8 91.0 136.4



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

150000

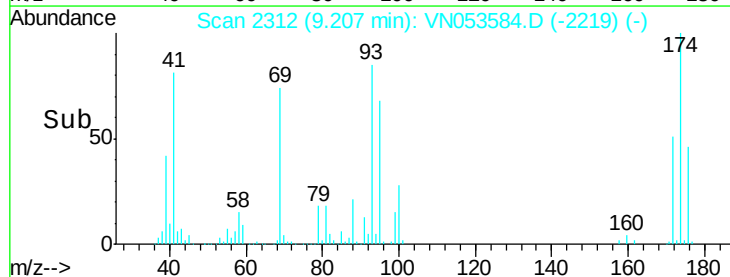
100000

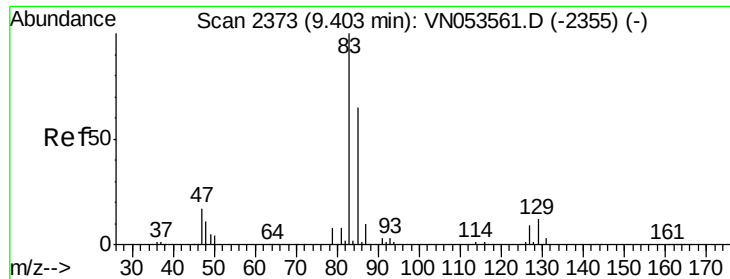
50000

0

9.10 9.20 9.30

Time-->

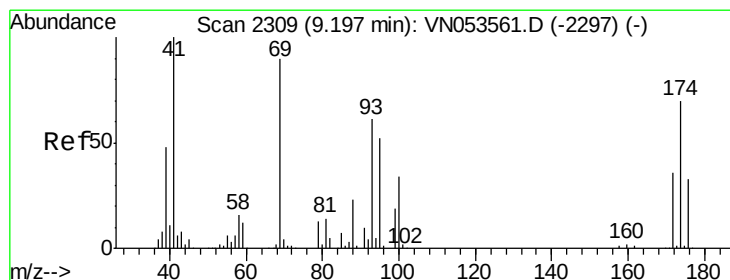
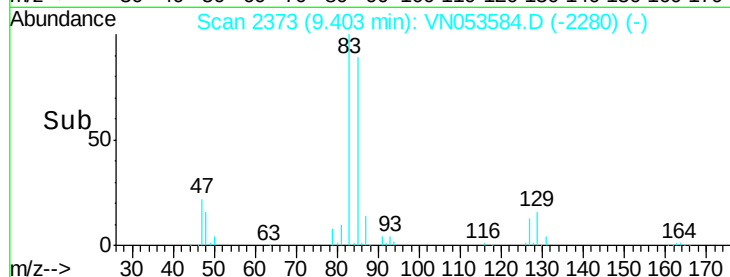
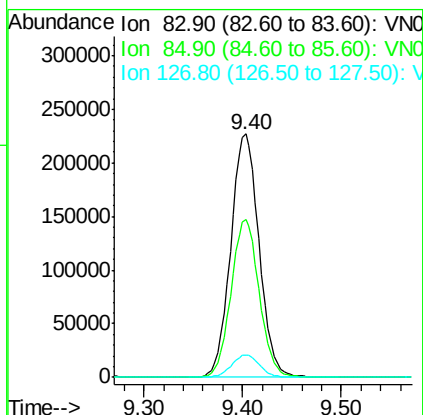
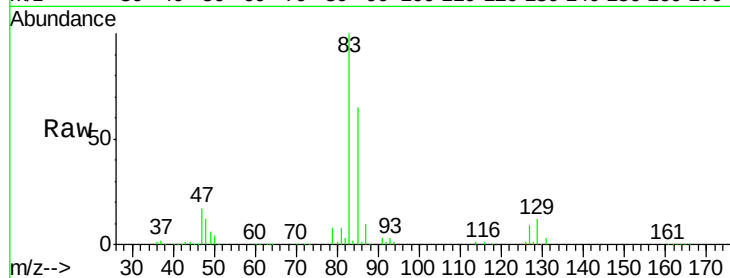




#47
Bromodichloromethane
Concen: 49.442 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

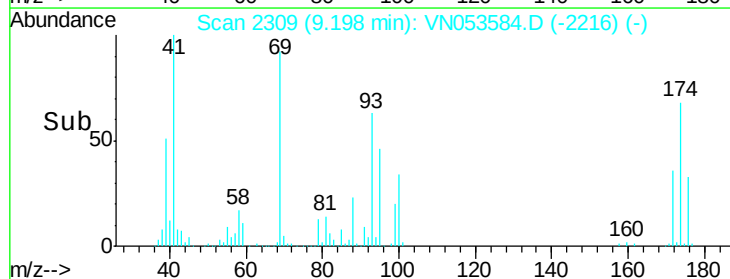
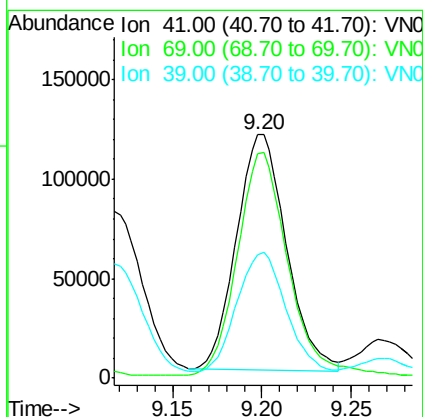
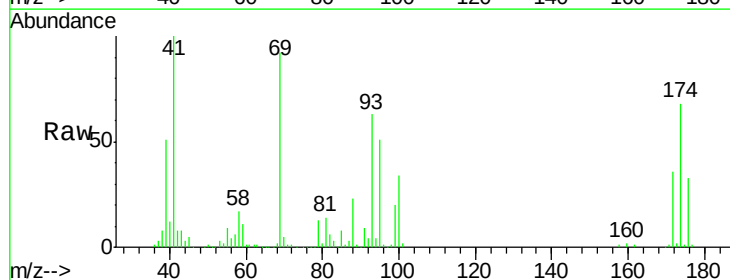
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

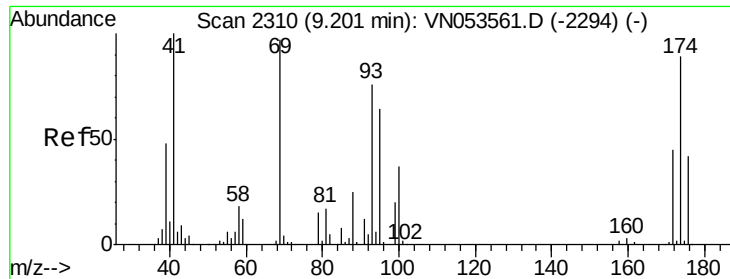
Tot Ion: 83 Resp: 453386
Ion Ratio Lower Upper
83 100
85 65.1 51.0 76.6
127 9.2 7.0 10.6



#48
Methyl methacrylate
Concen: 48.638 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

Tgt Ion: 41 Resp: 232285
Ion Ratio Lower Upper
41 100
69 100.4 73.8 110.6
39 55.1 40.0 60.0





#49

1,4-Dioxane

Concen: 927.532 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

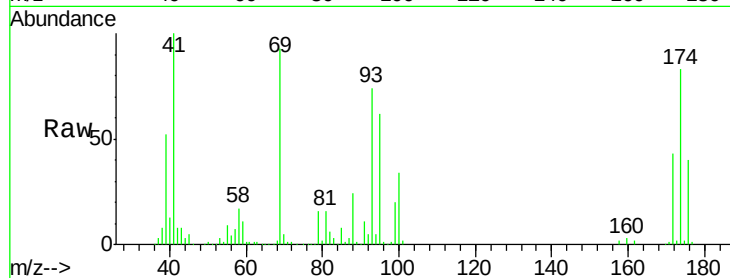
Tot Ion: 88 Resp: 63982

Ion Ratio Lower Upper

88 100

43 30.2 27.8 41.6

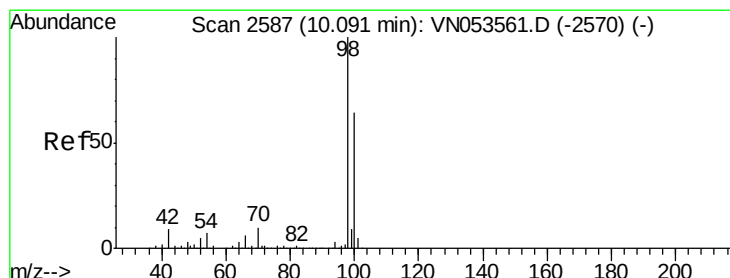
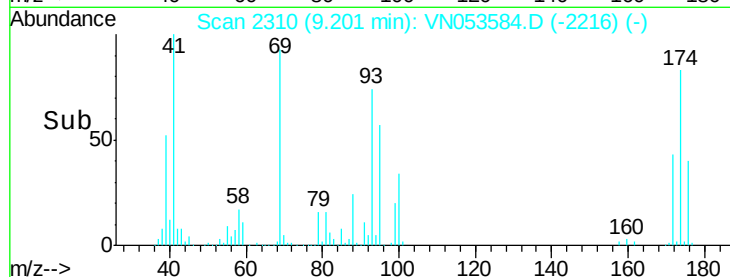
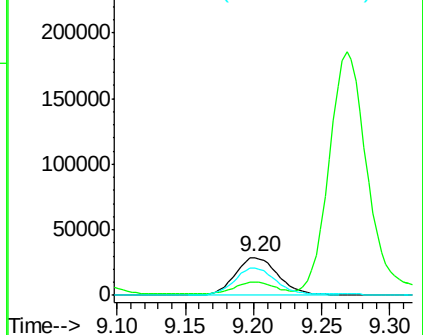
58 69.0 56.5 84.7



Abundance Ion 88.00 (87.70 to 88.70): VN053561.D (-2294) (-)

Ion 43.00 (42.70 to 43.70): VN053561.D (-2294) (-)

Ion 58.00 (57.70 to 58.70): VN053561.D (-2294) (-)



#50

Toluene-d8

Concen: 927.532 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053584.D

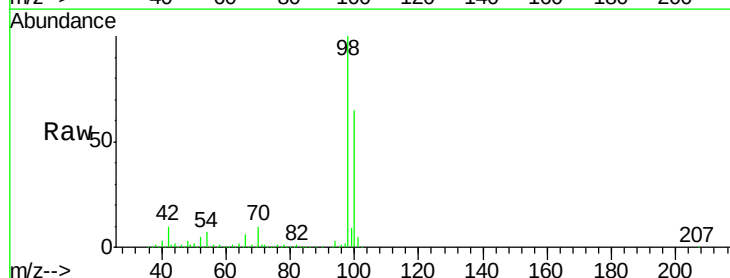
Acq: 1 Feb 2019 18:42

Tgt Ion: 98 Resp: 1189269

Ion Ratio Lower Upper

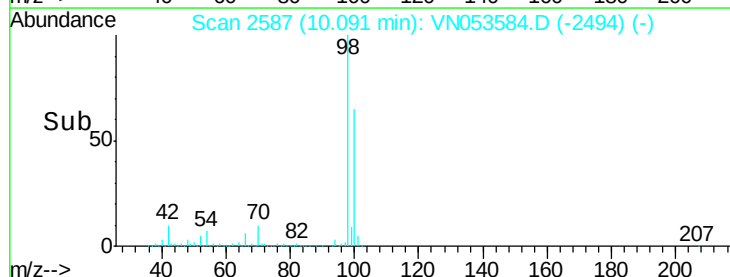
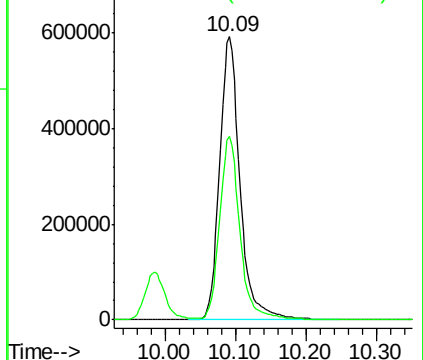
98 100

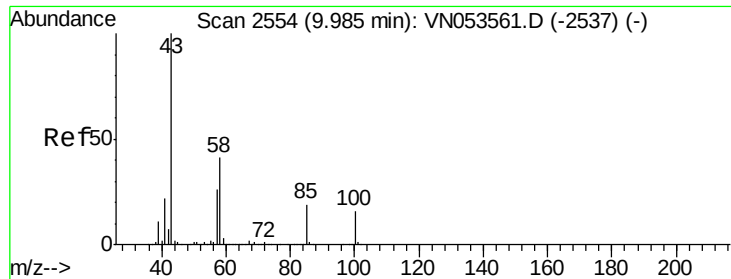
100 65.0 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN053561.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN053561.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 261.743 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

Instrument :

MSVOA_N

ClientSampleId :

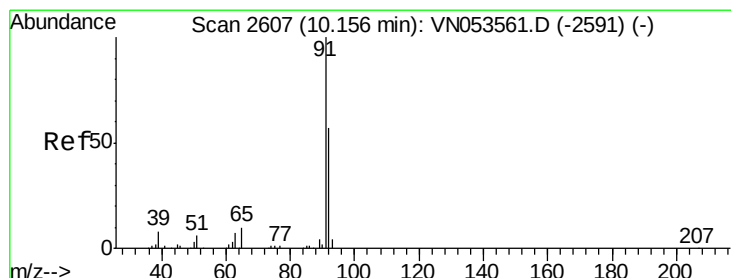
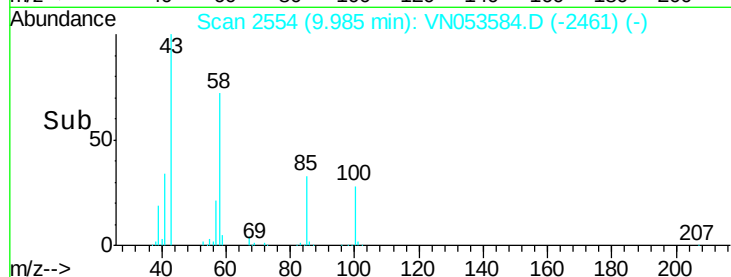
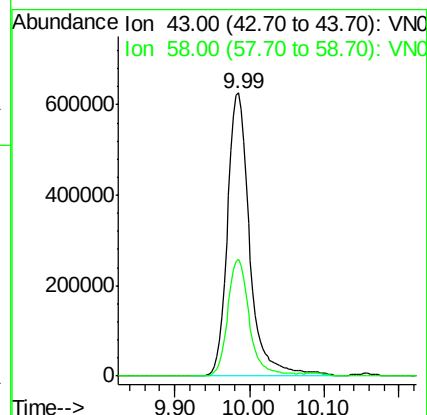
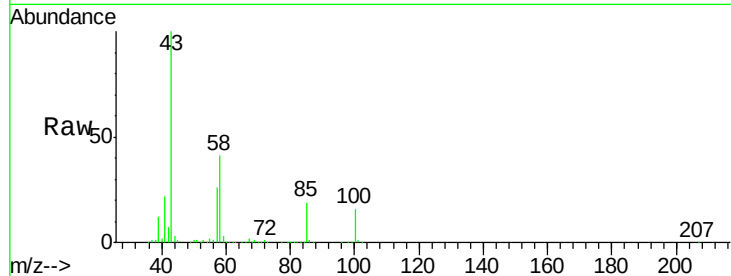
VSTDCCC050EC

Tot Ion: 43 Resp: 1286843

Ion Ratio Lower Upper

43 100

58 40.3 32.8 49.2



#52

Toluene

Concen: 50.070 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053584.D

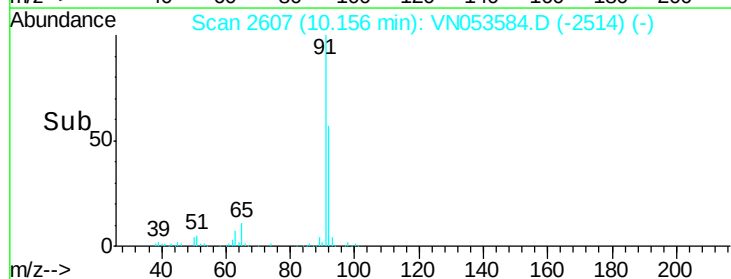
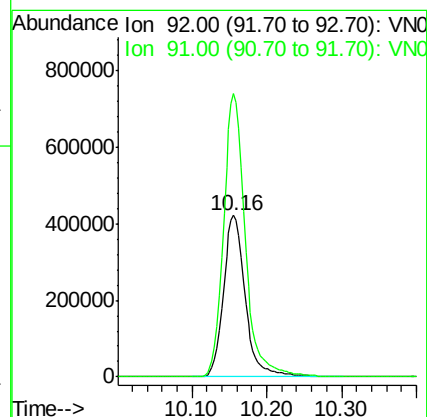
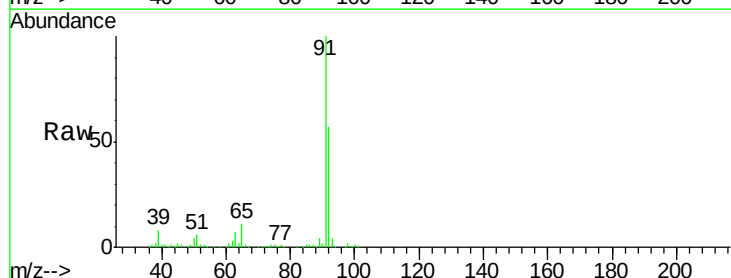
Acq: 1 Feb 2019 18:42

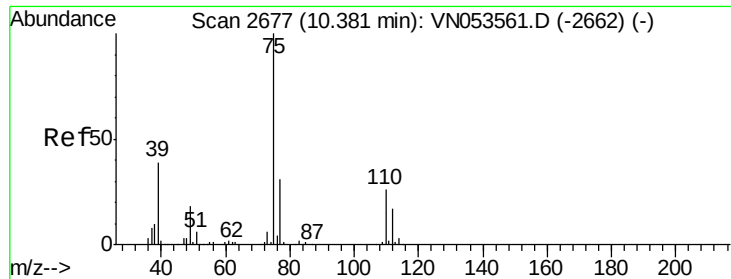
Tgt Ion: 92 Resp: 850028

Ion Ratio Lower Upper

92 100

91 174.5 139.9 209.9

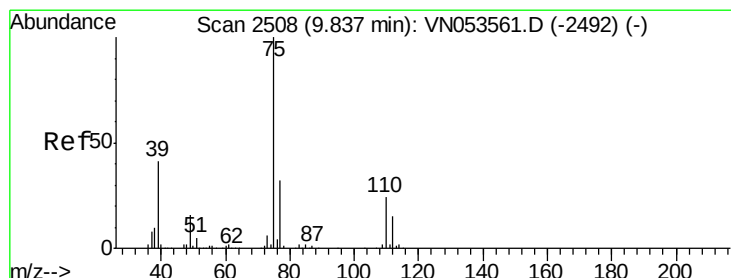
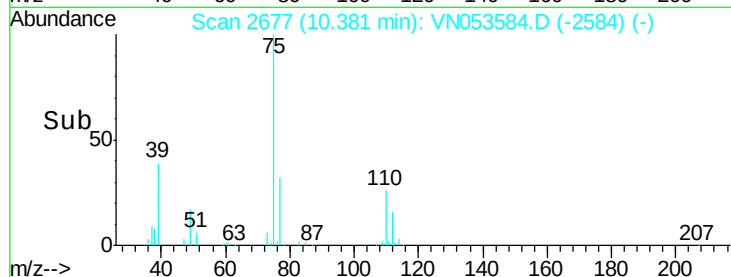
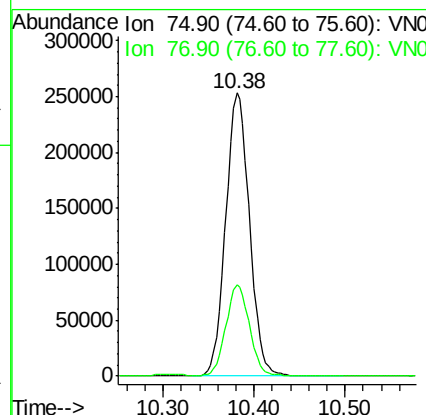
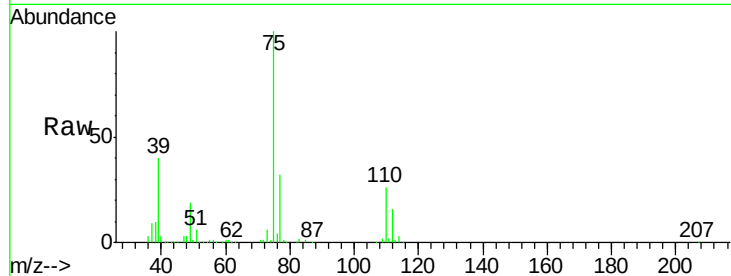




#53
t-1,3-Dichloropropene
Concen: 50.055 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

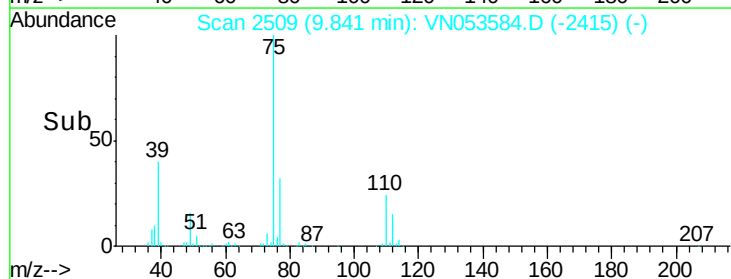
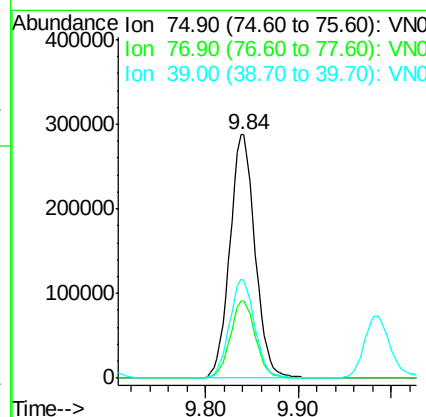
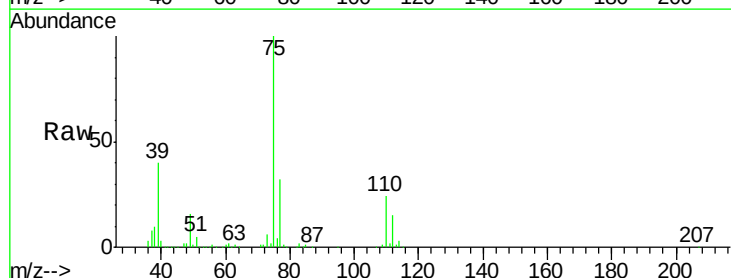
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

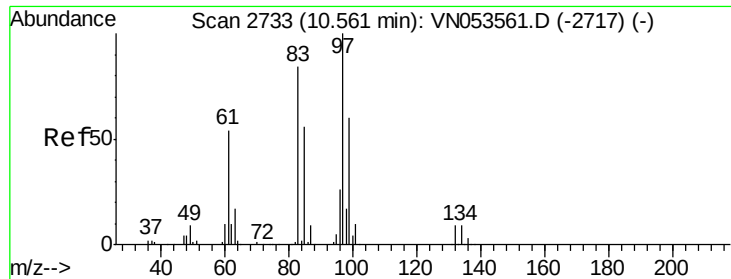
Tot Ion: 75 Resp: 459622
Ion Ratio Lower Upper
75 100
77 32.1 25.5 38.3



#54
cis-1,3-Dichloropropene
Concen: 49.850 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

Tgt Ion: 75 Resp: 542418
Ion Ratio Lower Upper
75 100
77 31.8 25.8 38.6
39 40.2 33.4 50.0





#55

1,1,2-Trichloroethane

Concen: 50.310 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 307768

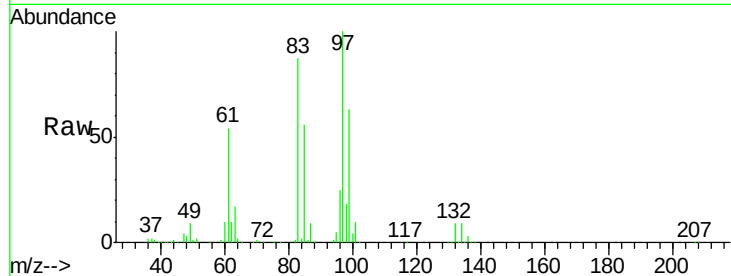
Ion Ratio Lower Upper

97 100

83 86.9 70.1 105.1

85 56.1 45.4 68.0

99 63.2 49.8 74.8

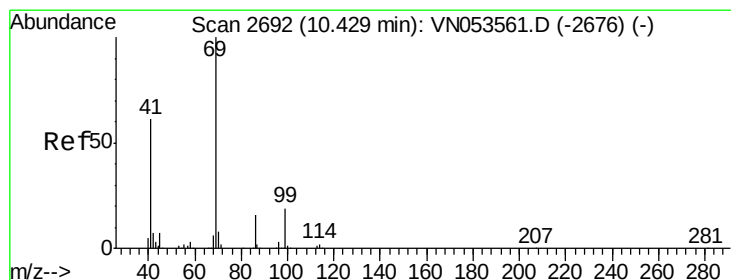
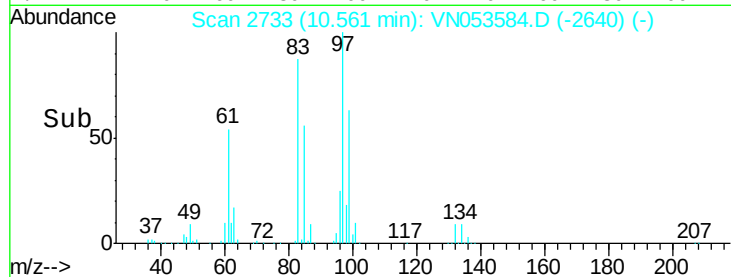
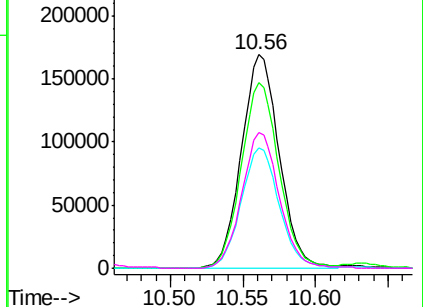


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 52.678 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

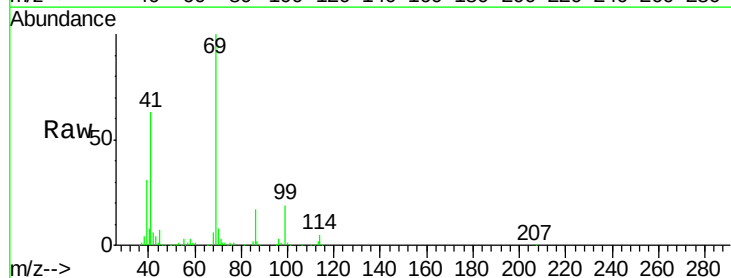
Tgt Ion: 69 Resp: 381226

Ion Ratio Lower Upper

69 100

41 60.8 49.4 74.0

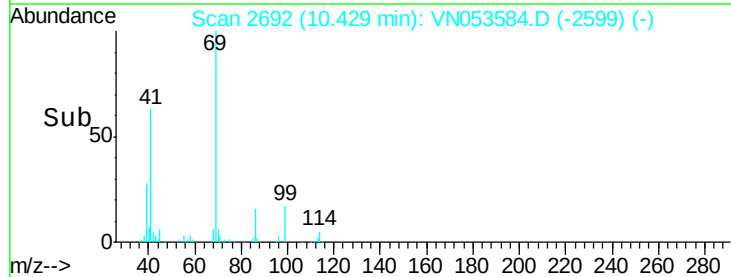
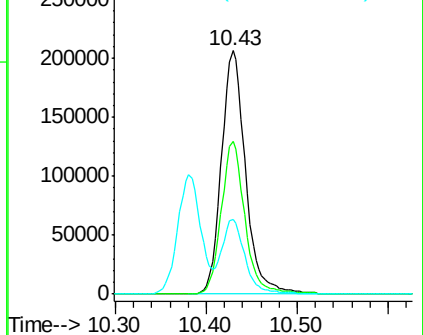
39 29.8 23.3 34.9

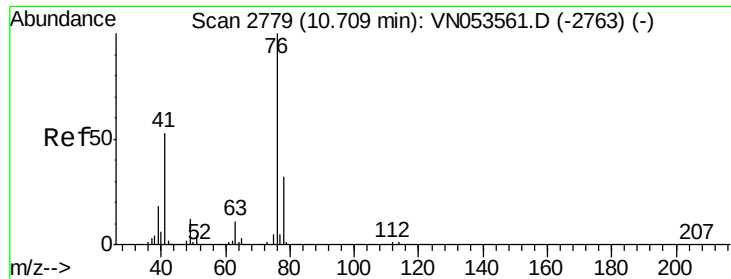


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 49.514 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

Instrument :

MSVOA_N

ClientSampleId :

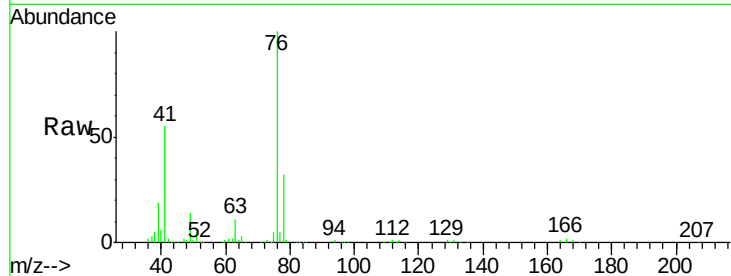
VSTDCCC050EC

Tot Ion: 76 Resp: 517664

Ion Ratio Lower Upper

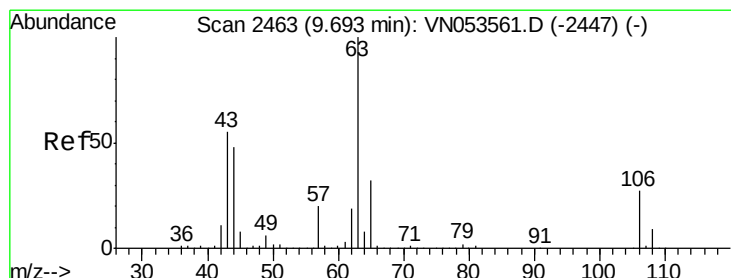
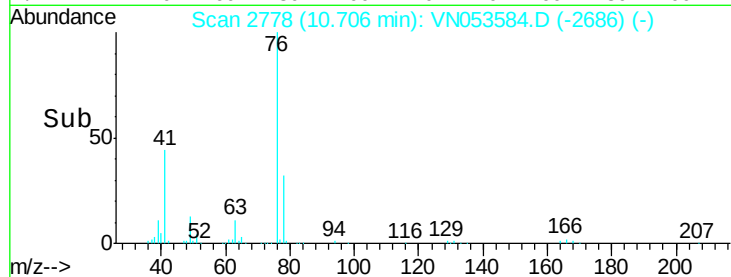
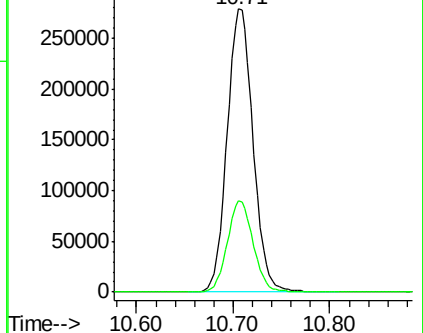
76 100

78 32.1 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 233.908 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN053584.D

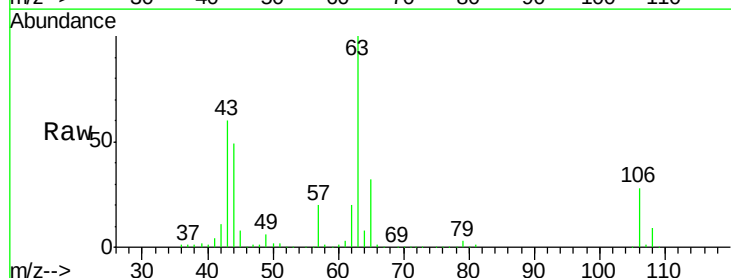
Acq: 1 Feb 2019 18:42

Tgt Ion: 63 Resp: 1047419

Ion Ratio Lower Upper

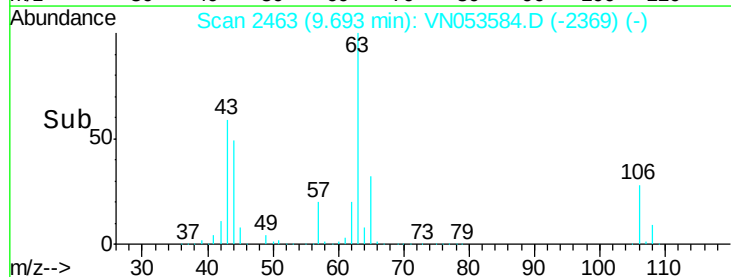
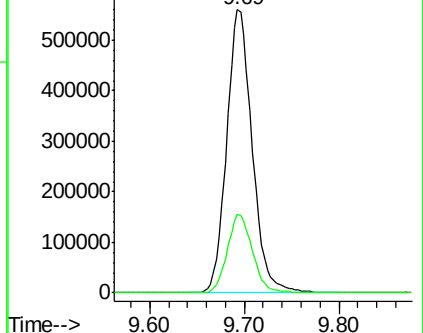
63 100

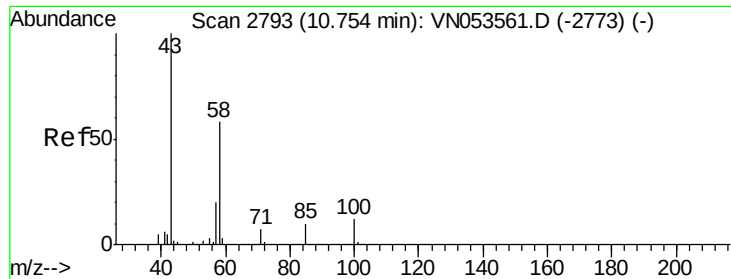
106 27.4 21.5 32.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

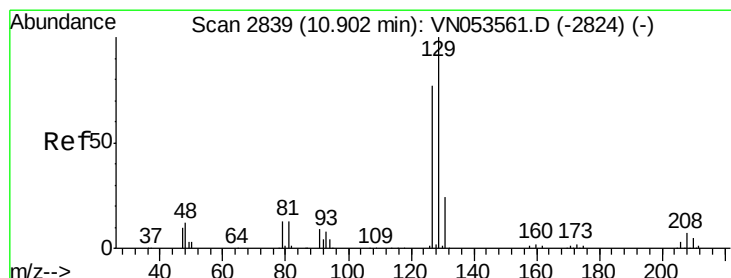
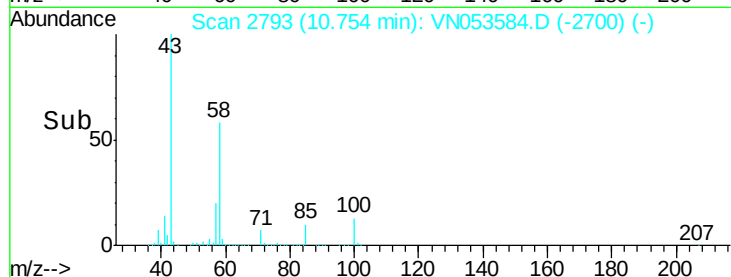
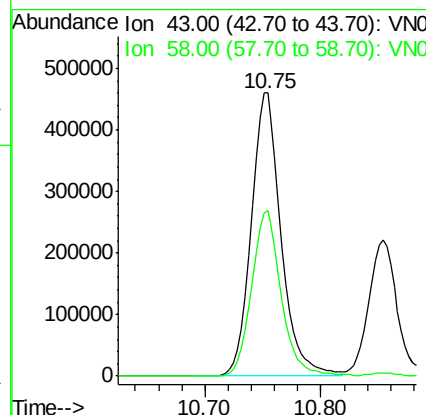
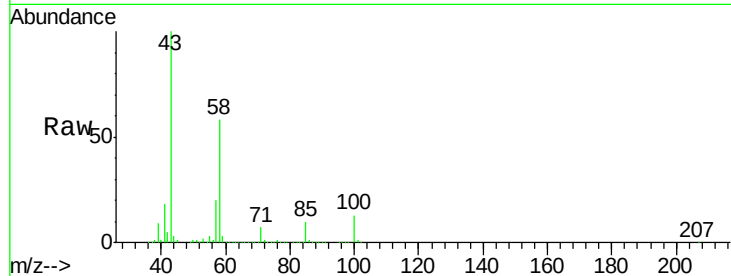




#59
2-Hexanone
Concen: 246.896 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

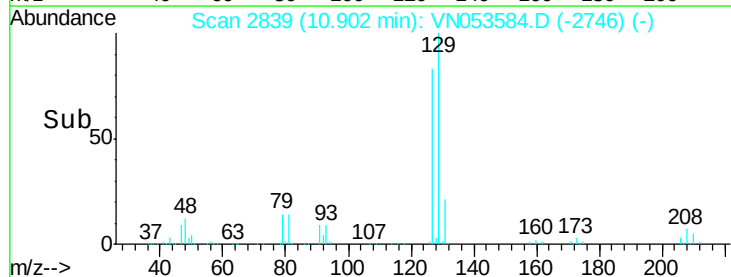
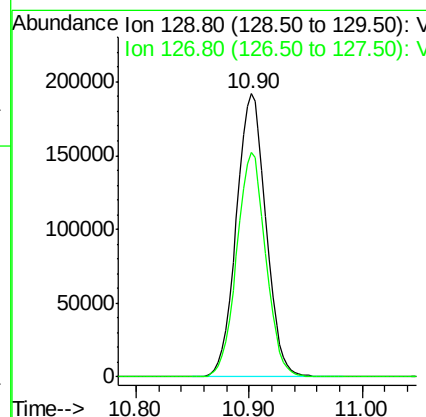
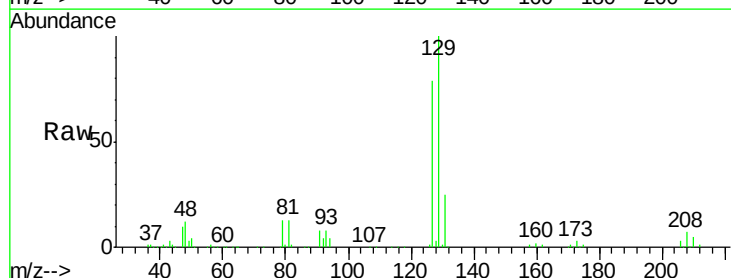
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

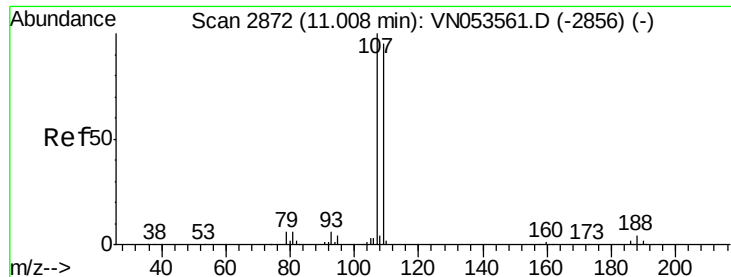
Tot Ion: 43 Resp: 824049
Ion Ratio Lower Upper
43 100
58 58.1 28.6 85.8



#60
Dibromochloromethane
Concen: 50.682 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

Tgt Ion: 129 Resp: 349627
Ion Ratio Lower Upper
129 100
127 77.9 38.6 115.8

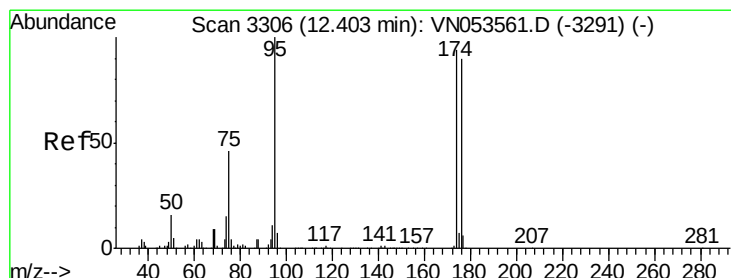
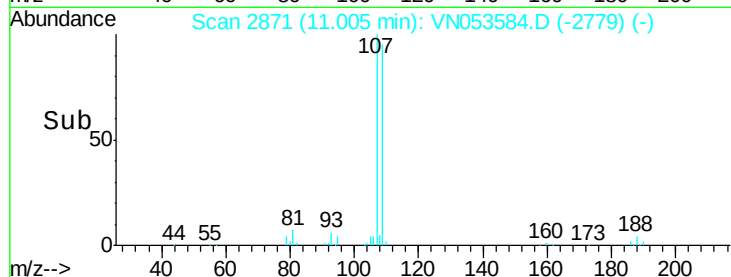
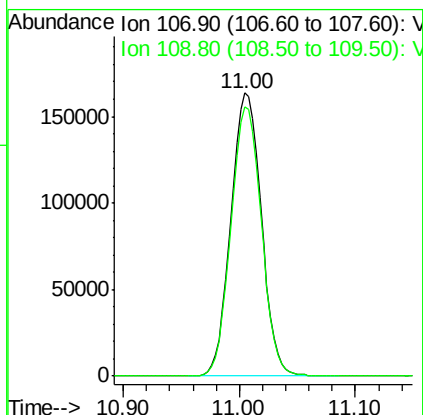
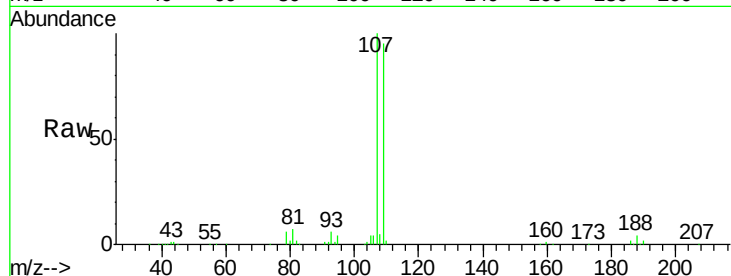




#61
 1,2-Dibromoethane
 Concen: 48.977 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN053584.D
 Acq: 1 Feb 2019 18:42

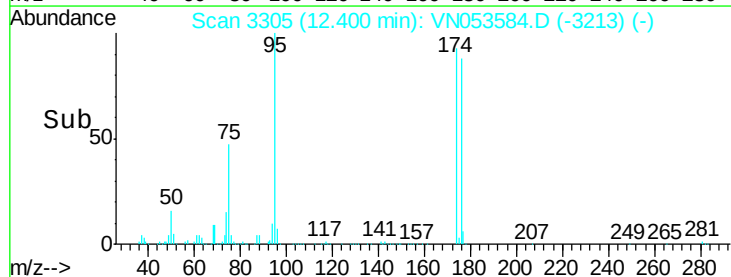
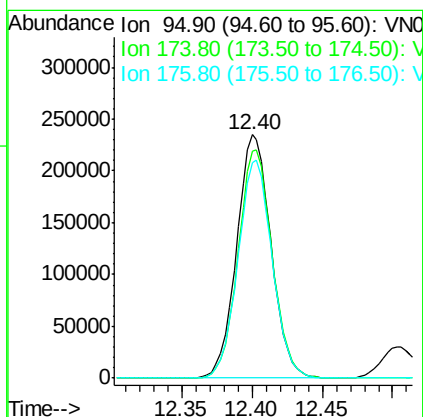
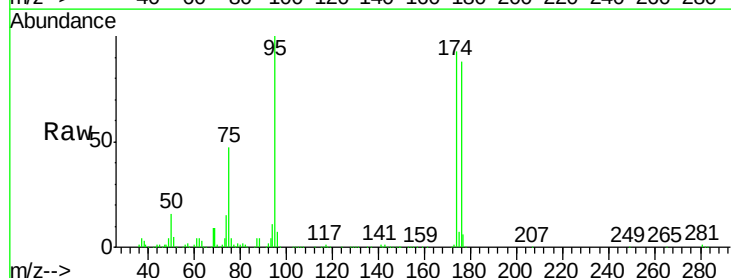
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

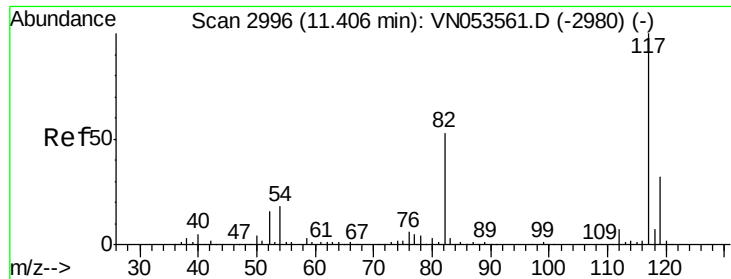
Tot Ion:107 Resp: 296548
 Ion Ratio Lower Upper
 107 100
 109 95.2 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 48.977 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053584.D
 Acq: 1 Feb 2019 18:42

Tgt Ion: 95 Resp: 400602
 Ion Ratio Lower Upper
 95 100
 174 93.0 0.0 183.2
 176 89.2 0.0 177.4

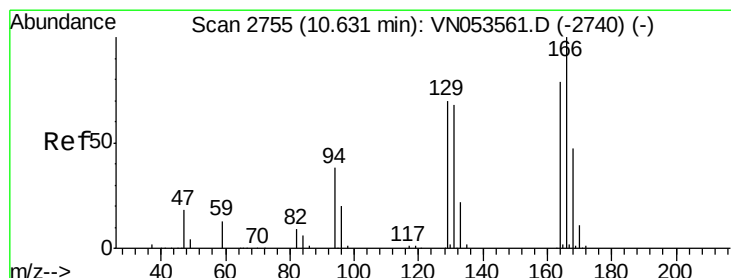
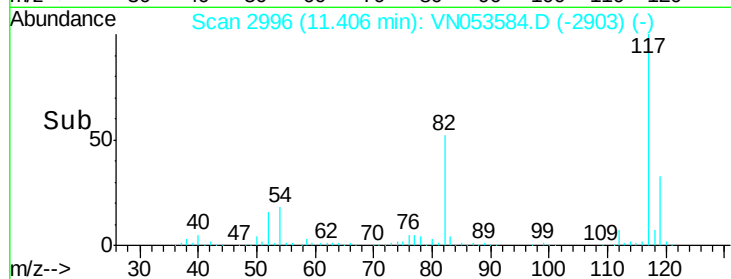
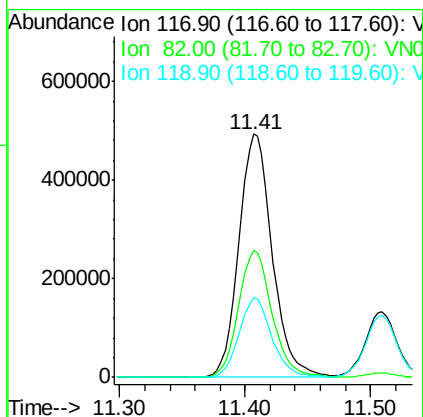
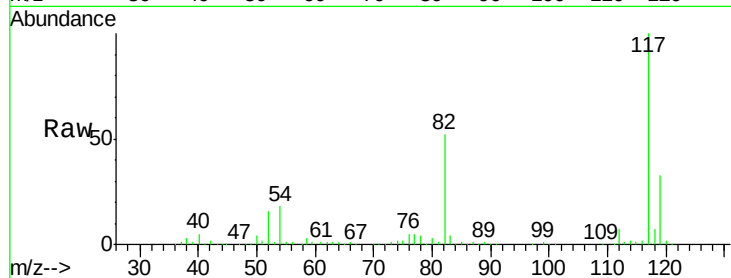




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

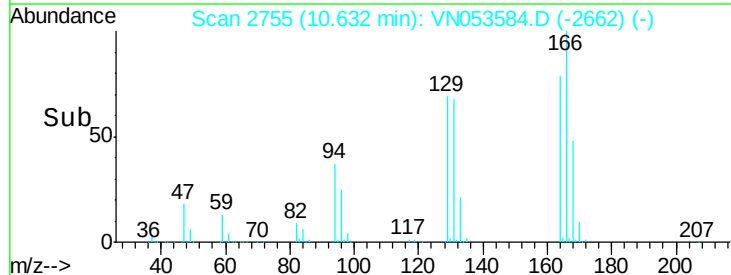
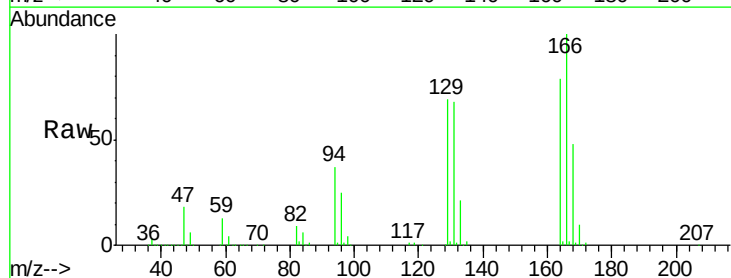
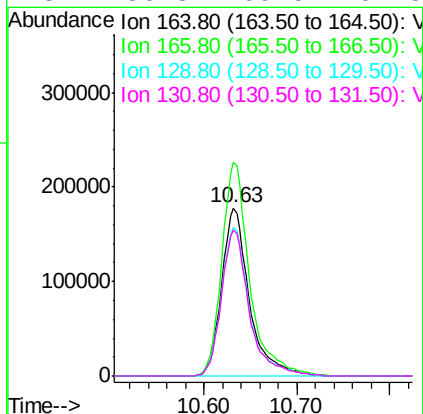
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

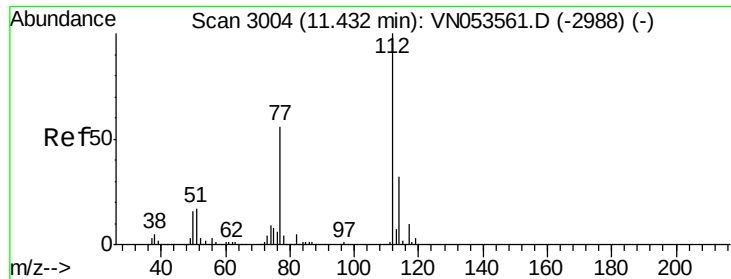
Tot Ion:117 Resp: 915030
Ion Ratio Lower Upper
117 100
82 52.1 42.9 64.3
119 32.6 26.0 39.0



#64
Tetrachloroethene
Concen: 46.923 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

Tgt Ion:164 Resp: 368053
Ion Ratio Lower Upper
164 100
166 127.3 102.2 153.4
129 88.3 72.6 109.0
131 86.8 69.5 104.3

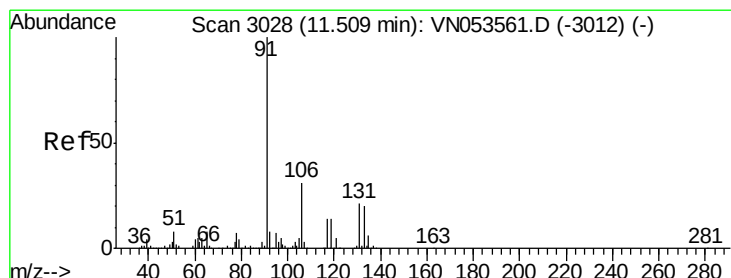
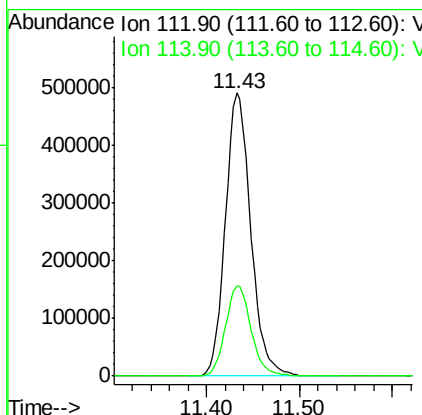
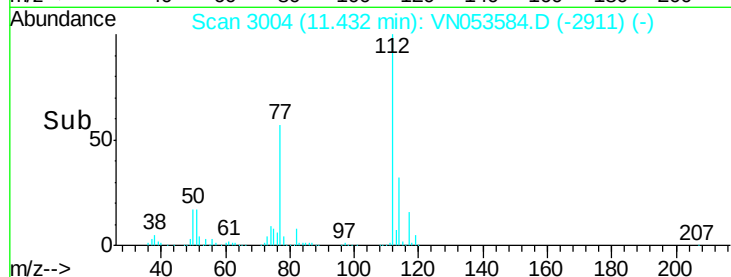
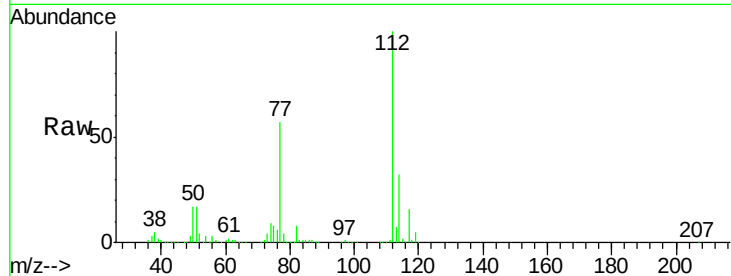




#65
Chlorobenzene
Concen: 47.791 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

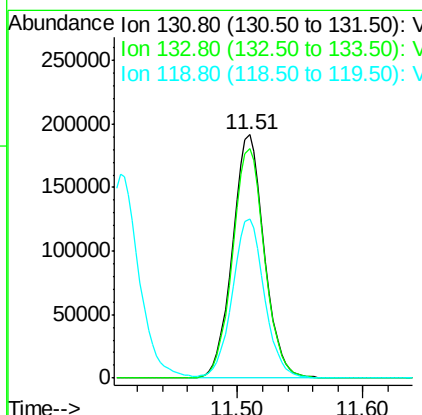
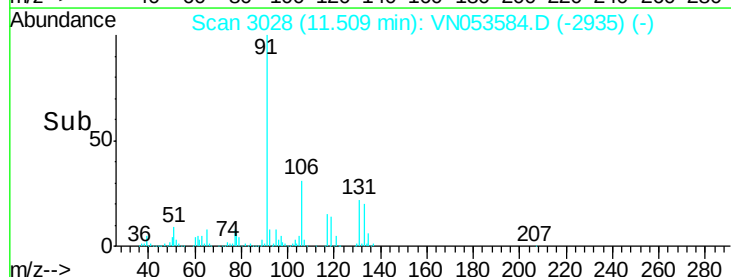
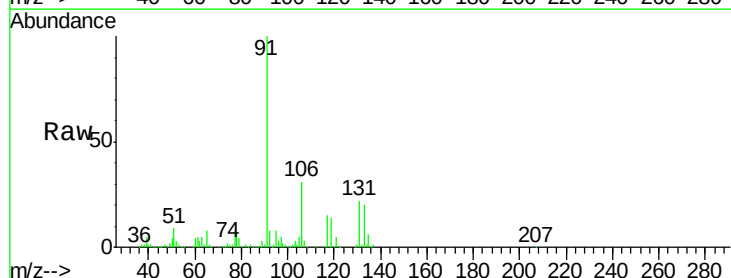
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

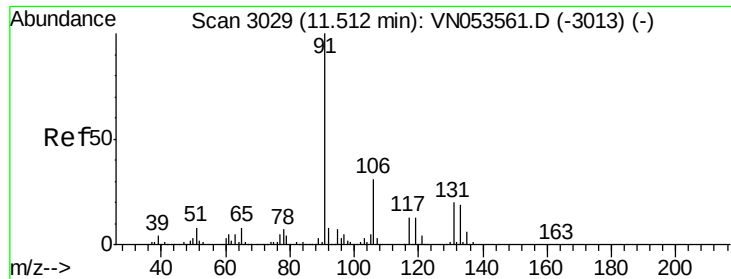
Tot Ion:112 Resp: 928869
Ion Ratio Lower Upper
112 100
114 31.9 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 49.534 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

Tgt Ion:131 Resp: 336231
Ion Ratio Lower Upper
131 100
133 95.3 48.0 144.0
119 66.1 33.5 100.5

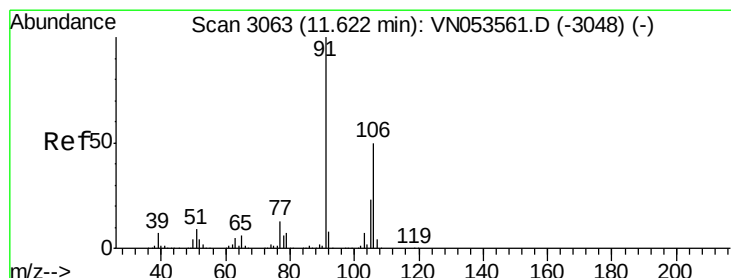
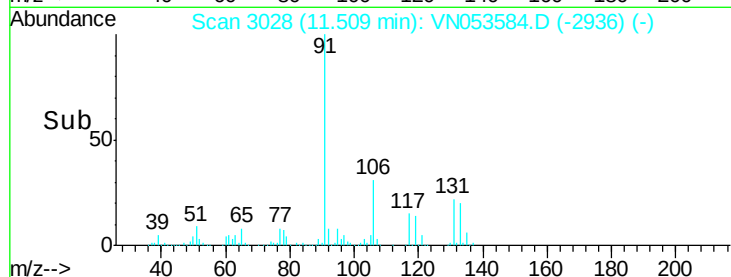
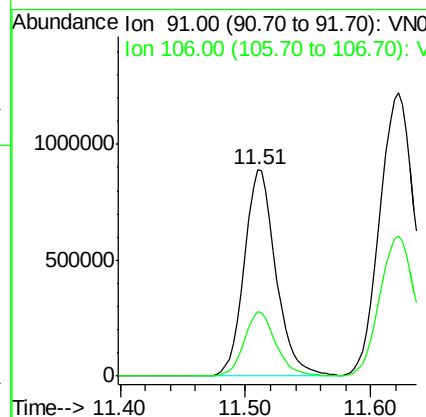
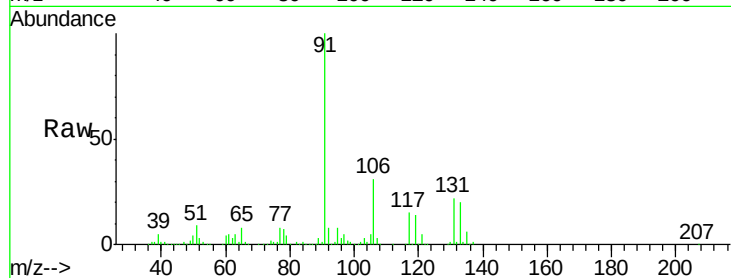




#67
Ethyl Benzene
Concen: 49.076 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

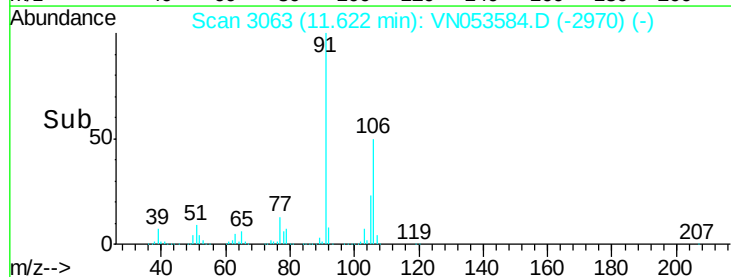
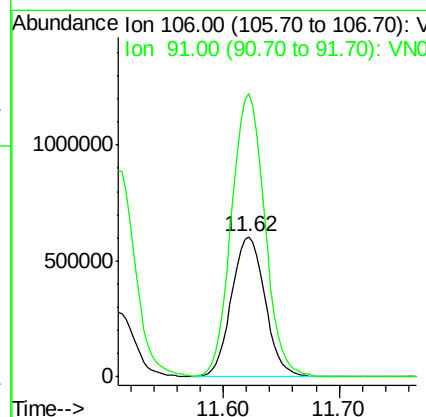
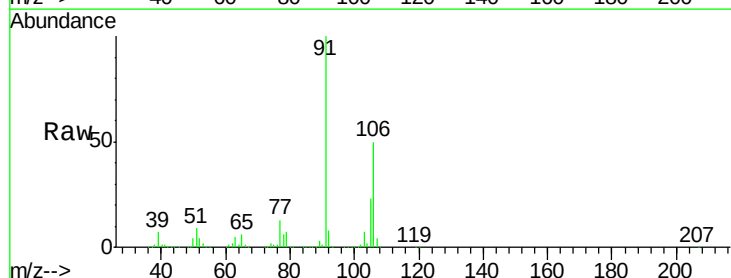
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

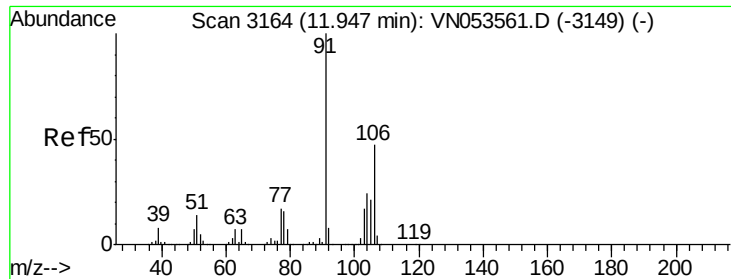
Tot Ion: 91 Resp: 1566876
Ion Ratio Lower Upper
91 100
106 31.0 25.0 37.6



#68
m/p-Xylenes
Concen: 99.941 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

Tgt Ion: 106 Resp: 1217843
Ion Ratio Lower Upper
106 100
91 200.4 161.4 242.2

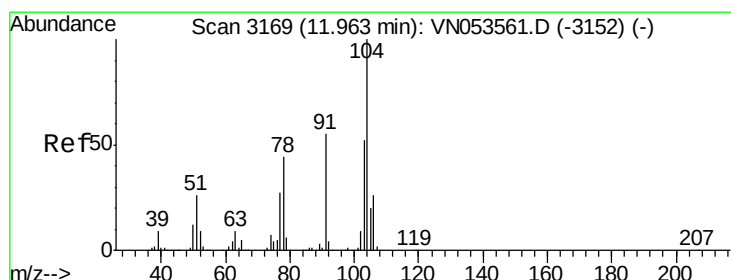
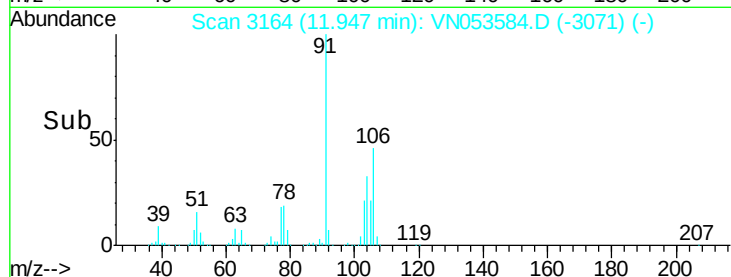
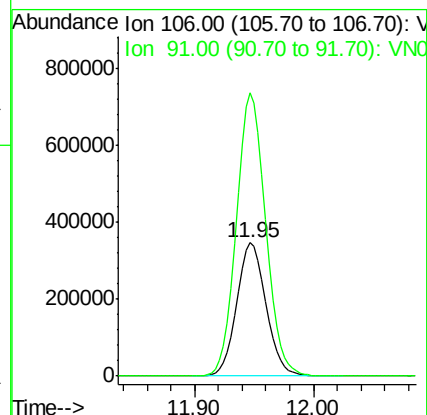
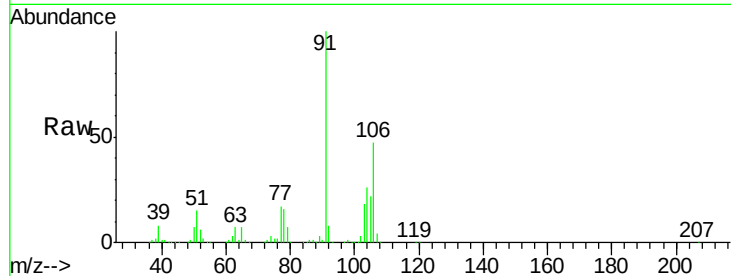




#69
o-Xylene
Concen: 50.296 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

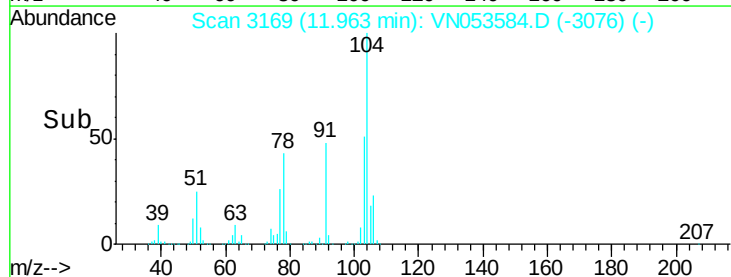
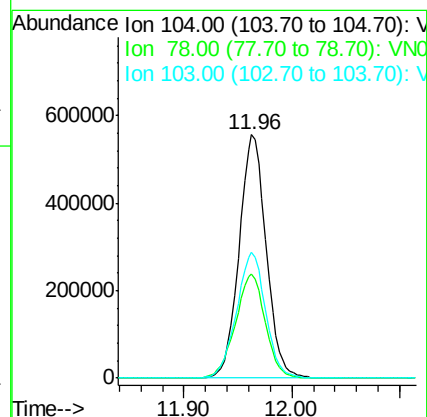
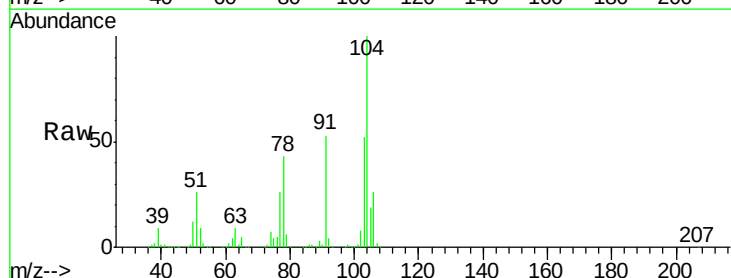
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

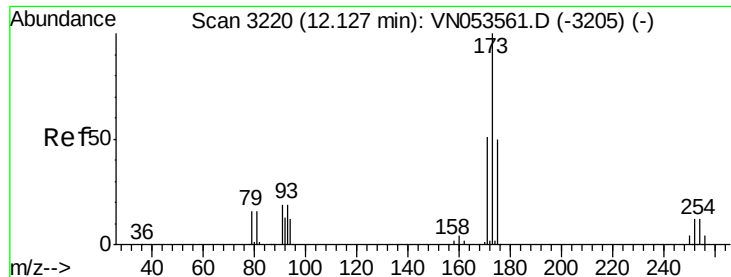
Tot Ion:106 Resp: 592107
Ion Ratio Lower Upper
106 100
91 211.7 106.9 320.8



#70
Styrene
Concen: 50.976 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

Tgt Ion:104 Resp: 972676
Ion Ratio Lower Upper
104 100
78 47.3 38.2 57.2
103 55.5 44.4 66.6





#71

Bromoform

Concen: 50.856 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

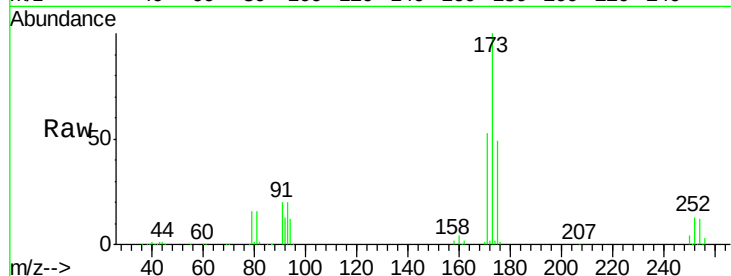
Tot Ion:173 Resp: 236666

Ion Ratio Lower Upper

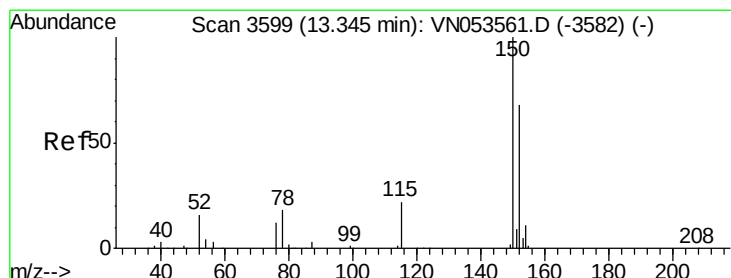
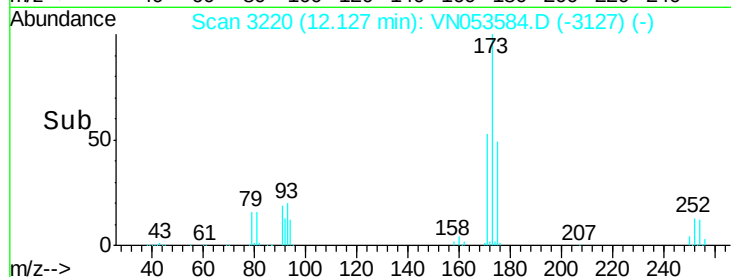
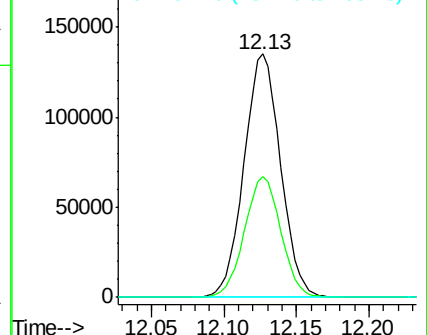
173 100

175 49.1 24.6 74.0

254 0.2 0.2 0.2



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: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

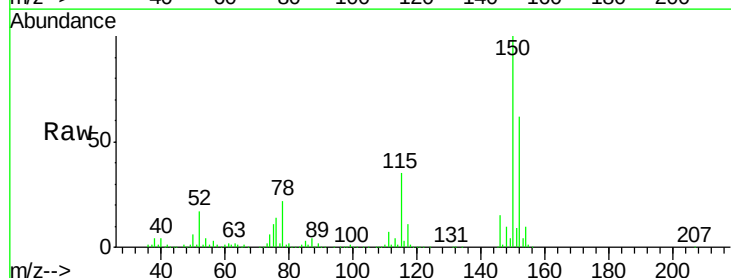
Tgt Ion:152 Resp: 441057

Ion Ratio Lower Upper

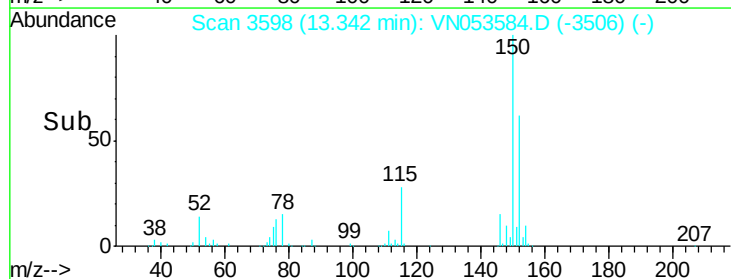
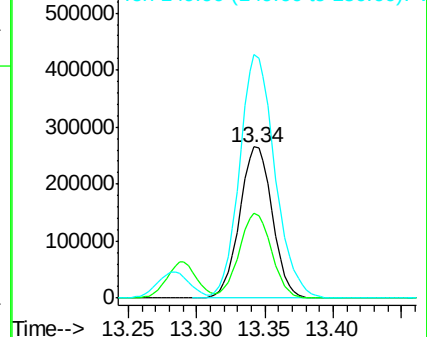
152 100

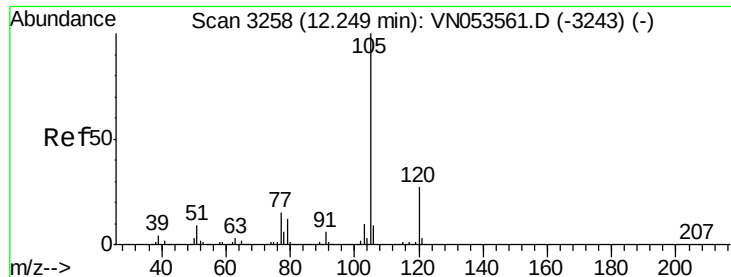
115 55.6 27.8 83.4

150 174.1 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: 49.345 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

Instrument :

MSVOA_N

ClientSampleId :

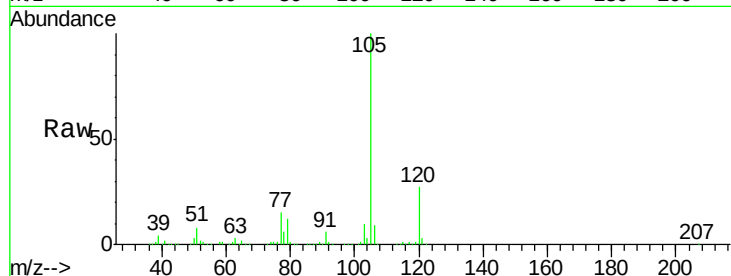
VSTDCCC050EC

Tot Ion:105 Resp: 1529963

Ion Ratio Lower Upper

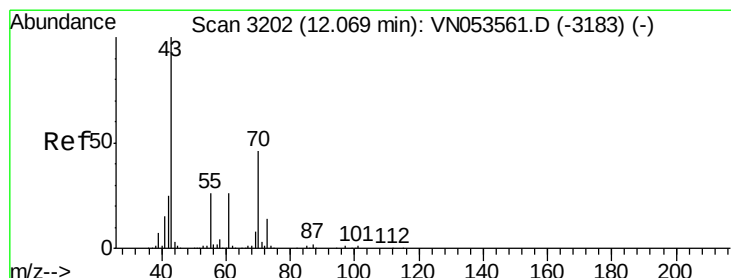
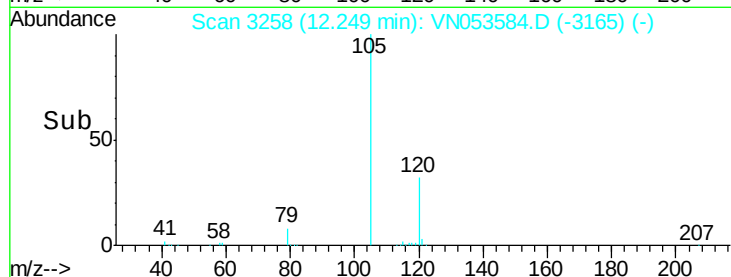
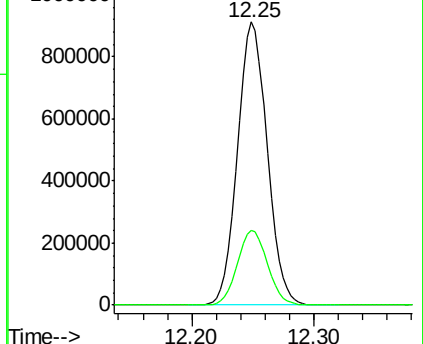
105 100

120 26.8 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.402 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

Tgt Ion: 43 Resp: 383245

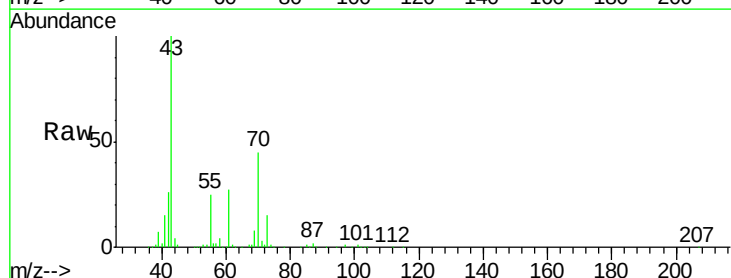
Ion Ratio Lower Upper

43 100

70 45.2 35.4 53.2

55 26.0 20.9 31.3

61 25.6 20.5 30.7

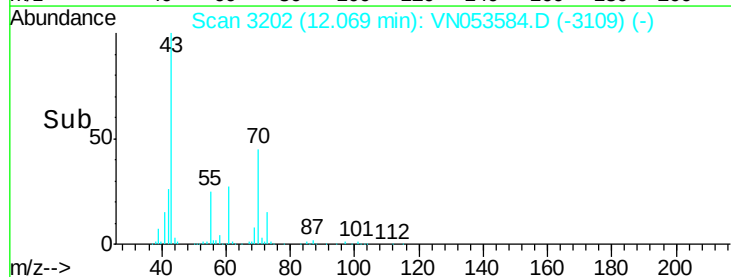
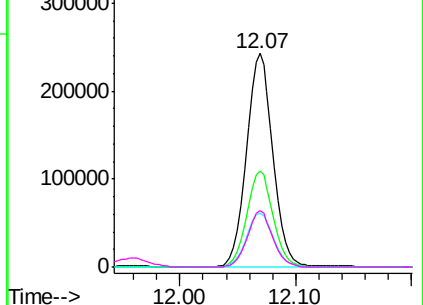


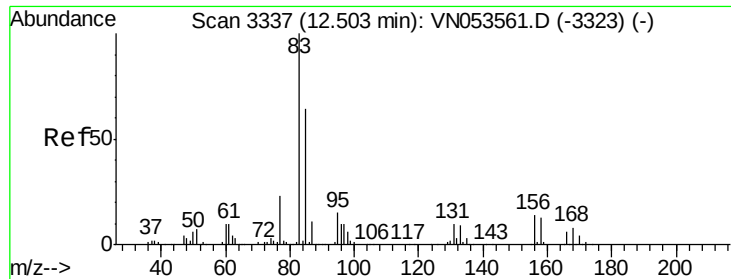
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 48.615 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

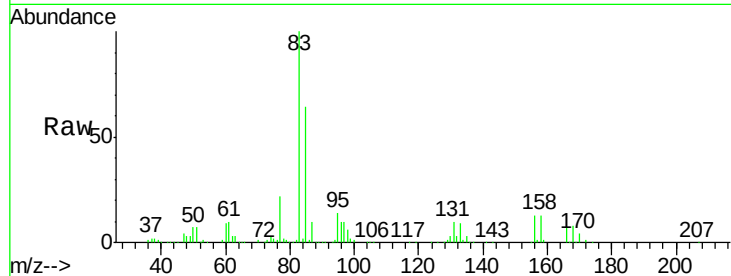
Tot Ion: 83 Resp: 360746

Ion Ratio Lower Upper

83 100

131 10.6 5.3 15.8

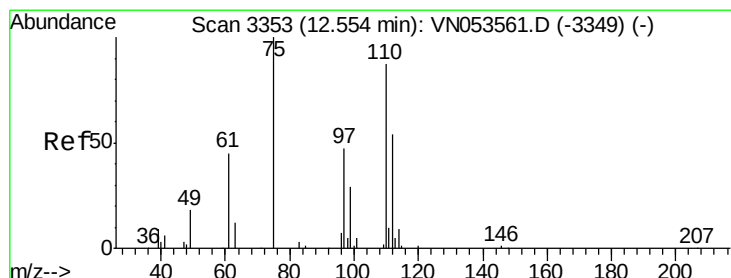
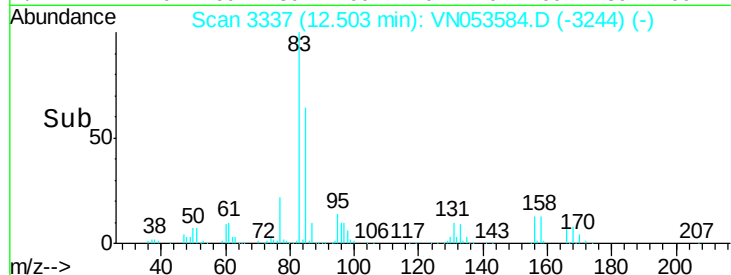
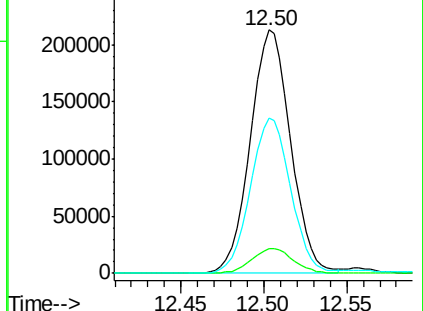
85 63.8 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 77.738 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053584.D

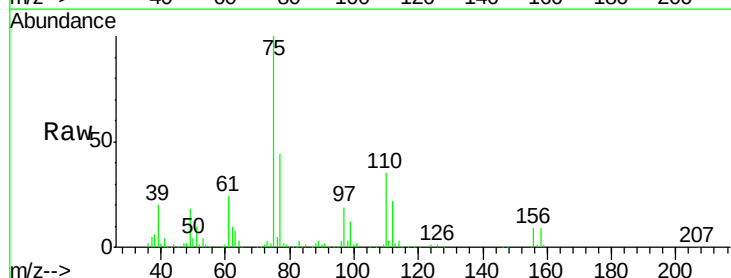
Acq: 1 Feb 2019 18:42

Tgt Ion: 75 Resp: 440396

Ion Ratio Lower Upper

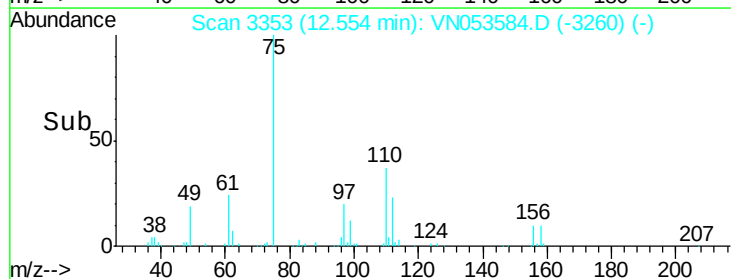
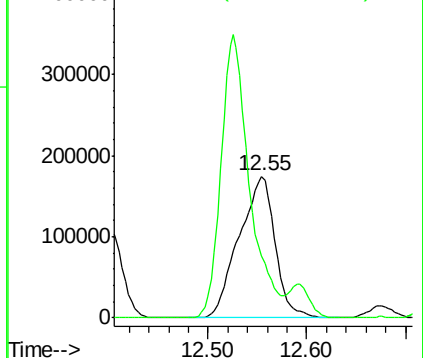
75 100

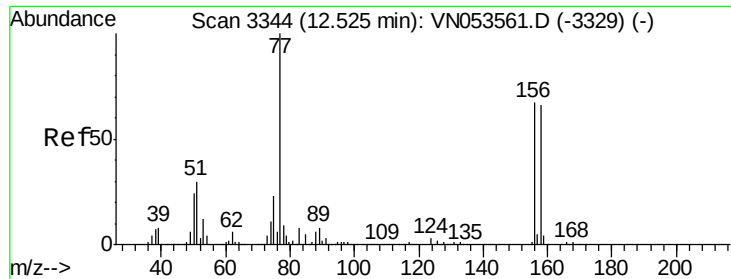
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 48.507 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

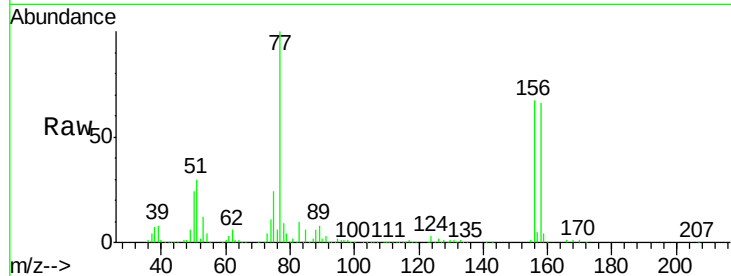
Tot Ion:156 Resp: 405340

Ion Ratio Lower Upper

156 100

77 174.5 87.9 263.8

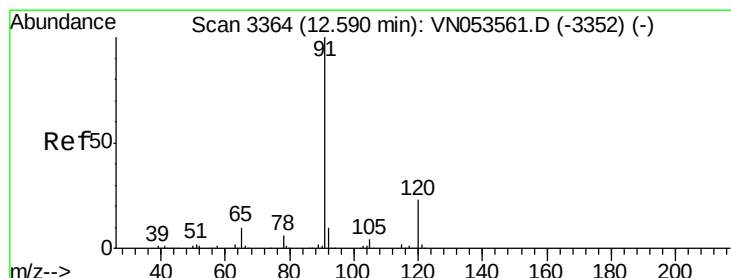
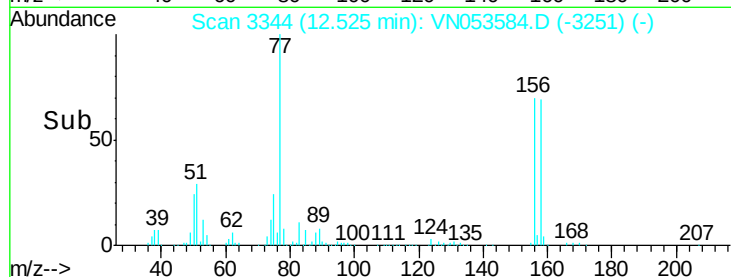
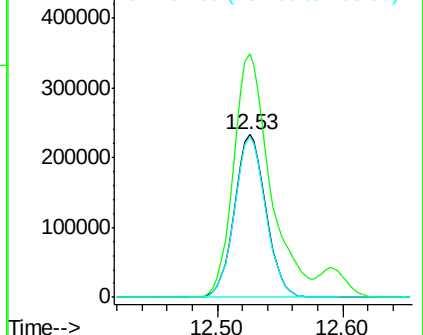
158 98.0 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.449 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053584.D

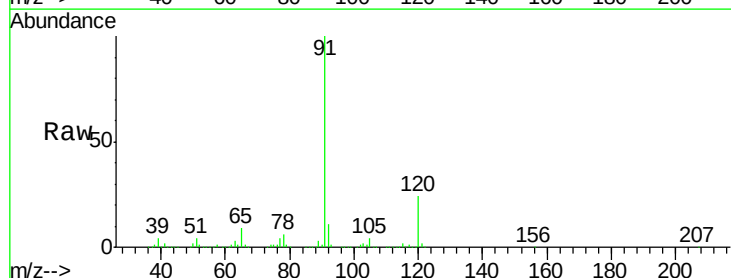
Acq: 1 Feb 2019 18:42

Tgt Ion: 91 Resp: 1772384

Ion Ratio Lower Upper

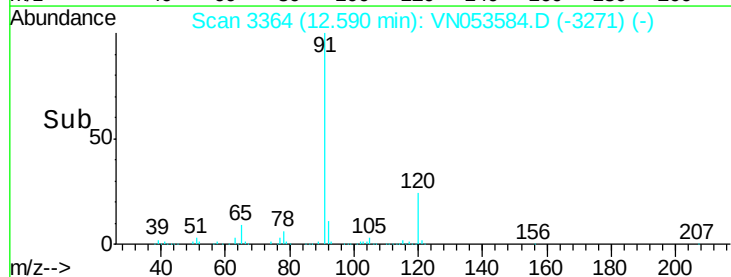
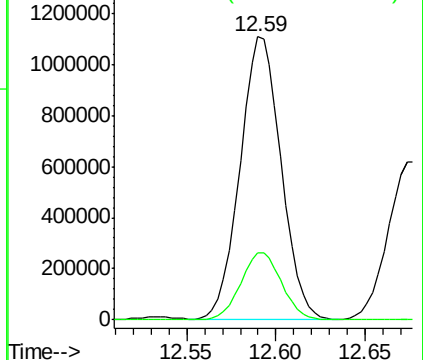
91 100

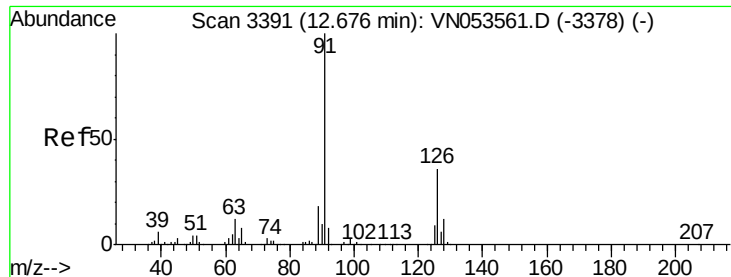
120 23.8 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.665 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

Instrument :

MSVOA_N

ClientSampleId :

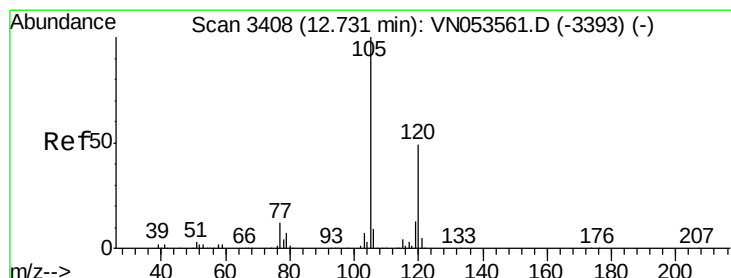
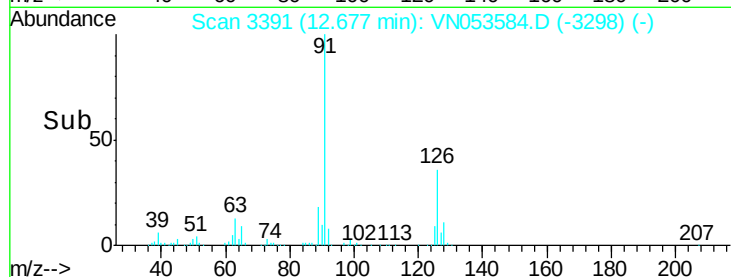
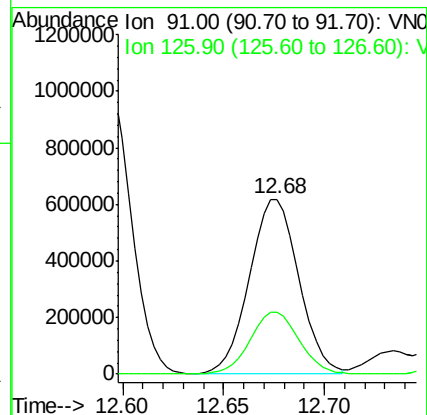
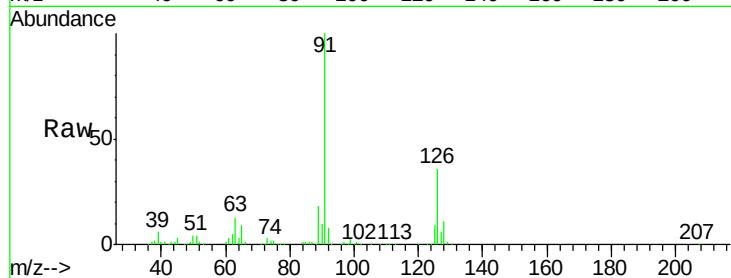
VSTDCCC050EC

Tot Ion: 91 Resp: 1056117

Ion Ratio Lower Upper

91 100

126 35.6 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 51.009 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053584.D

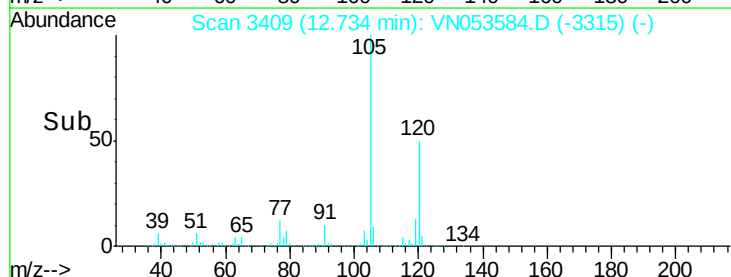
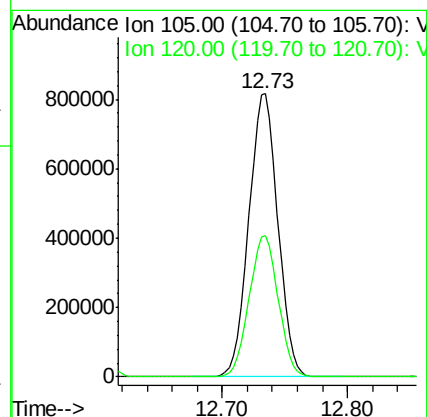
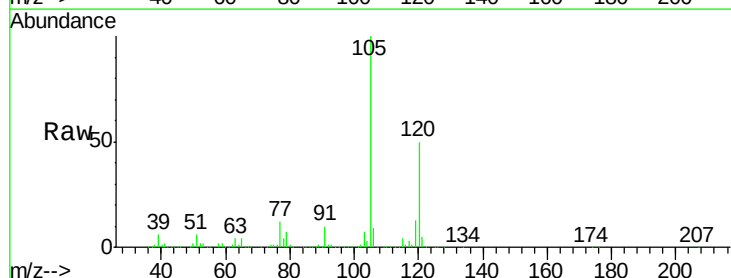
Acq: 1 Feb 2019 18:42

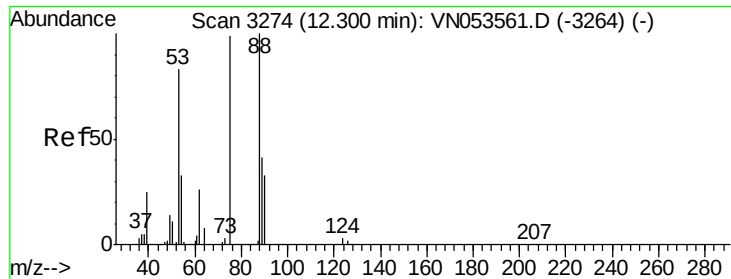
Tgt Ion: 105 Resp: 1311510

Ion Ratio Lower Upper

105 100

120 50.1 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 49.180 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

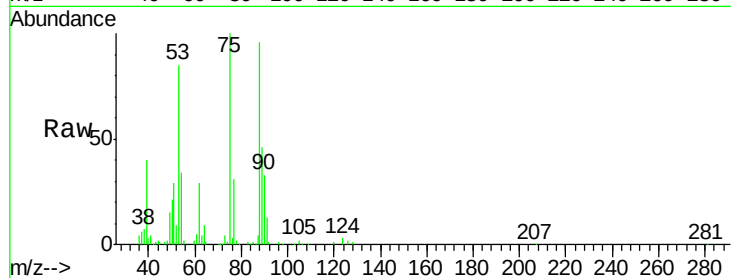
Tot Ion: 75 Resp: 99082

Ion Ratio Lower Upper

75 100

53 89.4 69.8 104.6

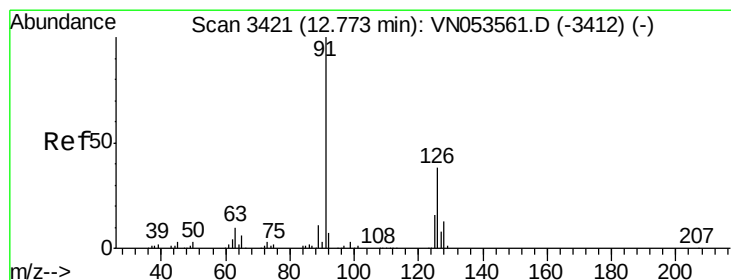
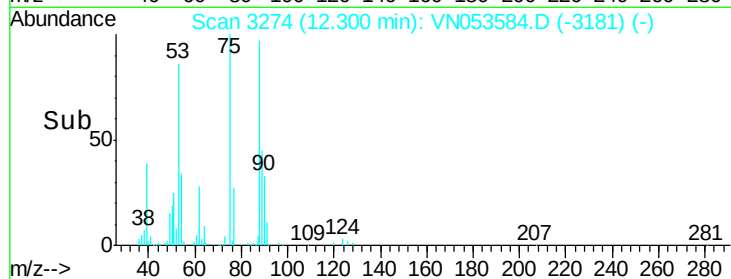
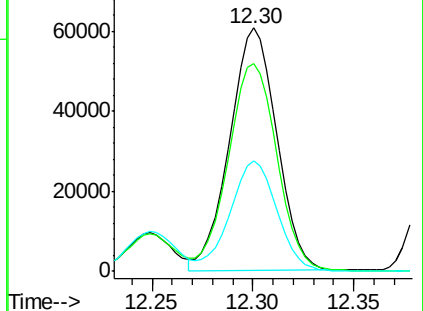
89 45.4 35.6 53.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 48.752 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053584.D

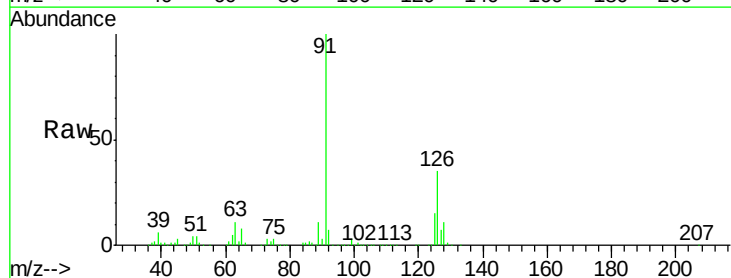
Acq: 1 Feb 2019 18:42

Tgt Ion: 91 Resp: 1063812

Ion Ratio Lower Upper

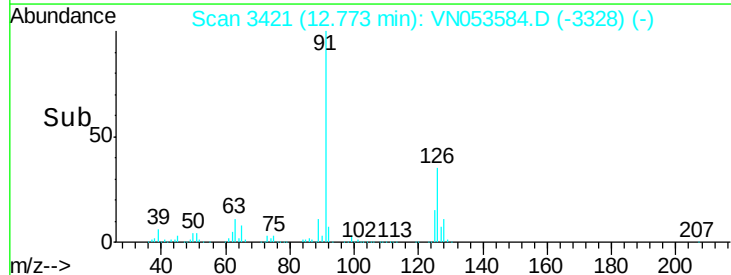
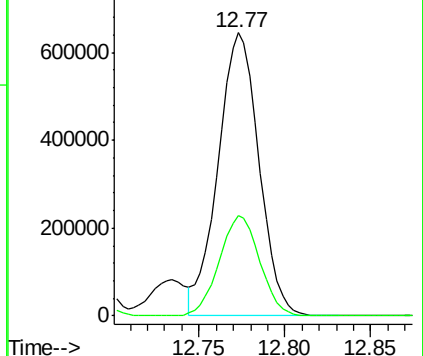
91 100

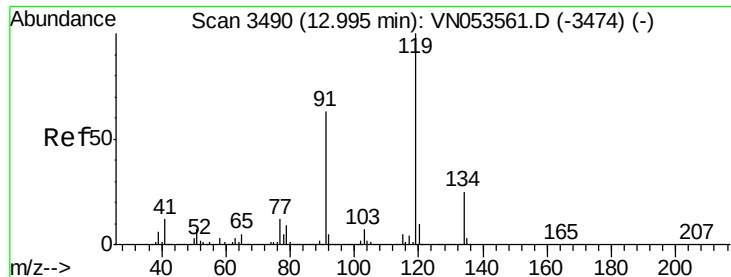
126 35.0 17.6 52.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

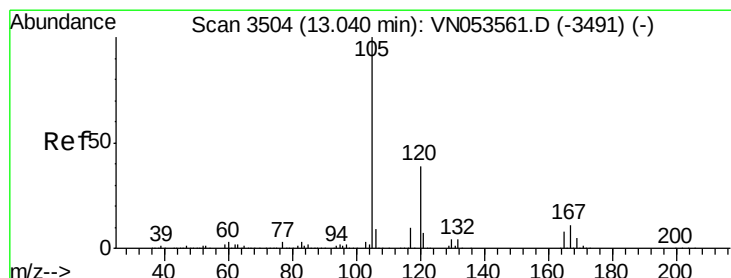
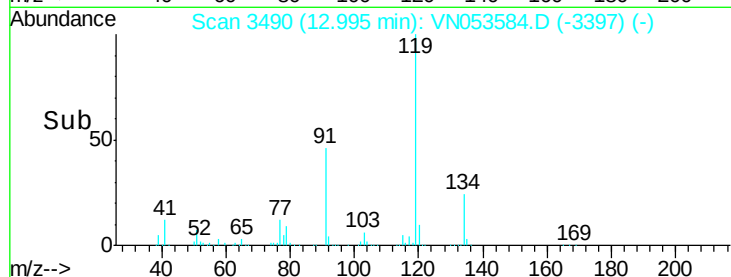
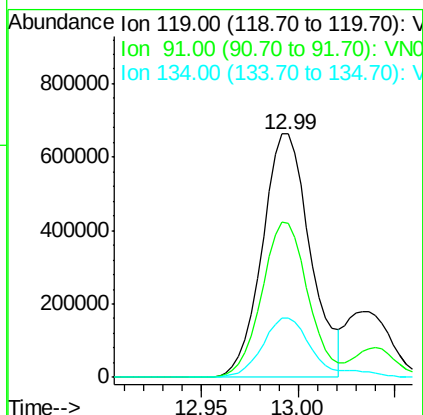
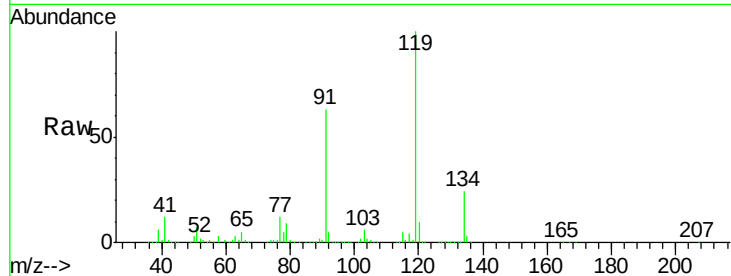




#83
 tert-Butylbenzene
 Concen: 50.589 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053584.D
 Acq: 1 Feb 2019 18:42

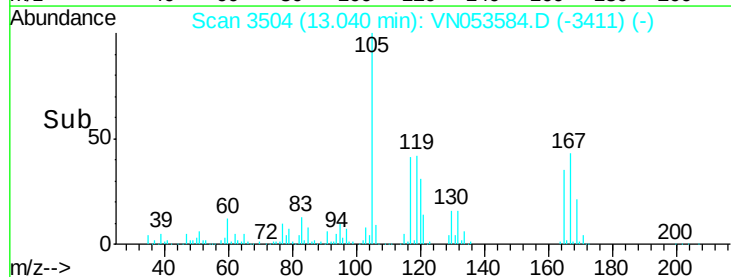
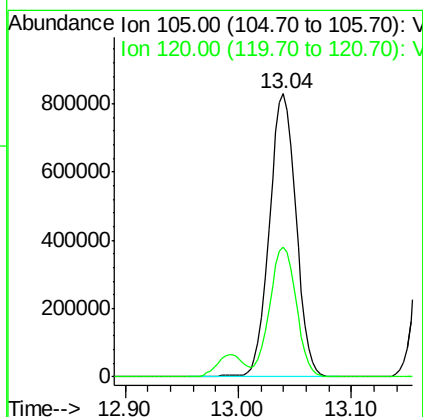
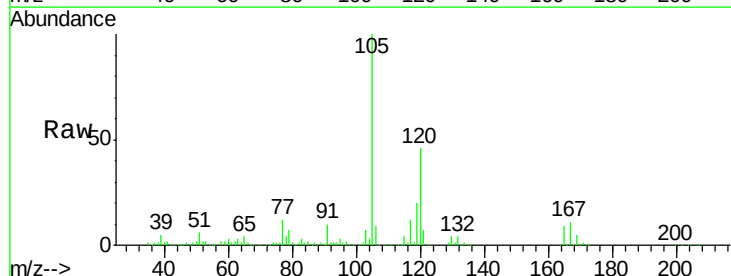
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

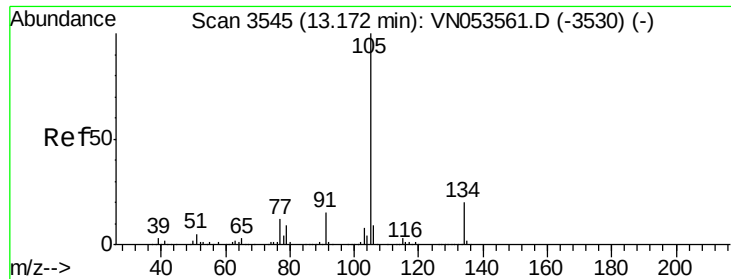
Tot Ion:119 Resp: 1149606
 Ion Ratio Lower Upper
 119 100
 91 61.2 31.3 93.8
 134 25.9 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 51.493 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053584.D
 Acq: 1 Feb 2019 18:42

Tgt Ion:105 Resp: 1348873
 Ion Ratio Lower Upper
 105 100
 120 45.9 23.0 69.0





#85

sec-Butylbenzene

Concen: 50.171 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

Instrument :

MSVOA_N

ClientSampleId :

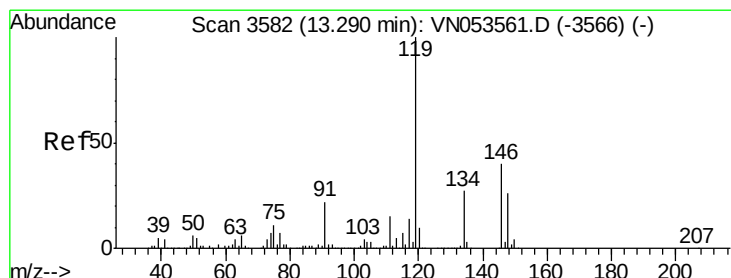
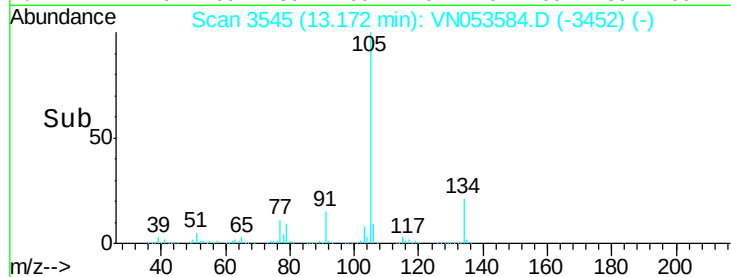
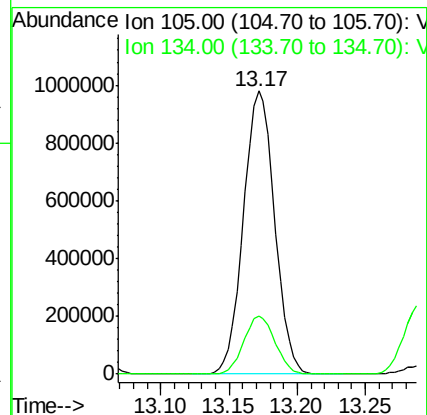
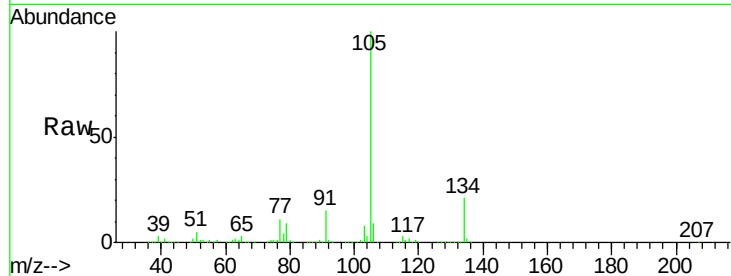
VSTDCCC050EC

Tot Ion:105 Resp: 1551457

Ion Ratio Lower Upper

105 100

134 20.6 10.2 30.6



#86

p-Isopropyltoluene

Concen: 50.784 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

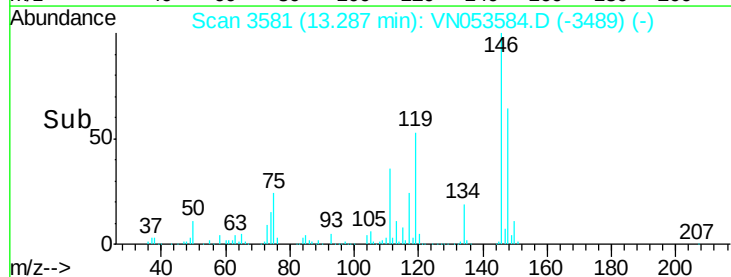
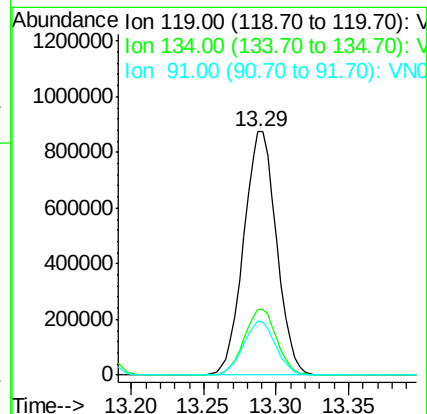
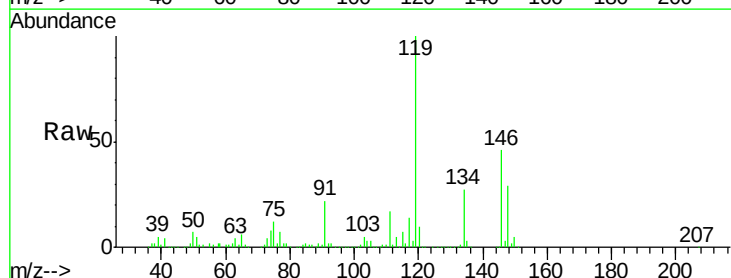
Tgt Ion:119 Resp: 1373467

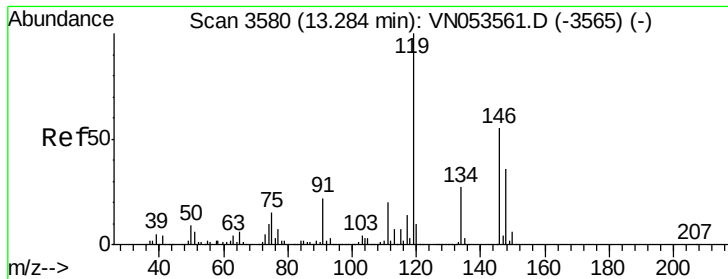
Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

91 21.9 11.0 33.0

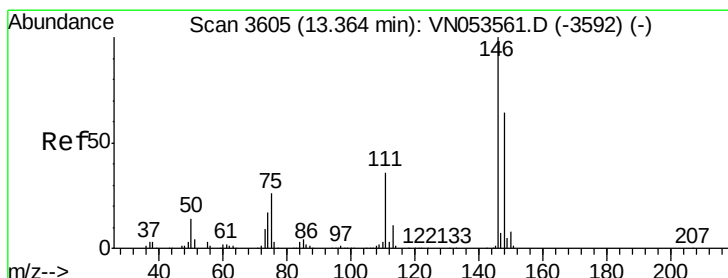
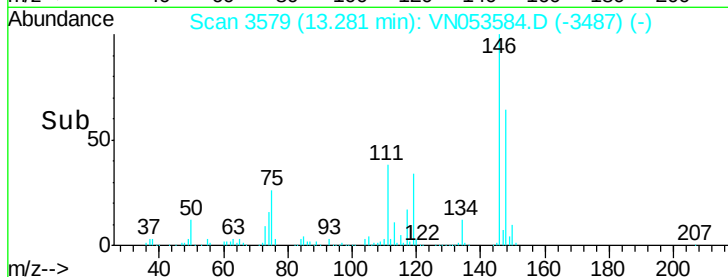
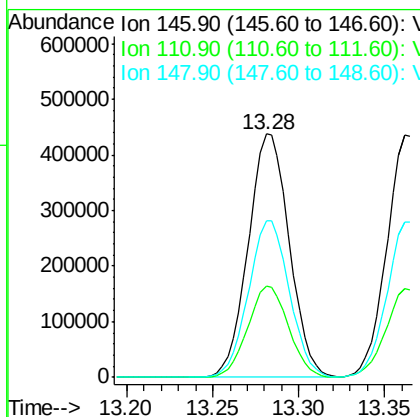
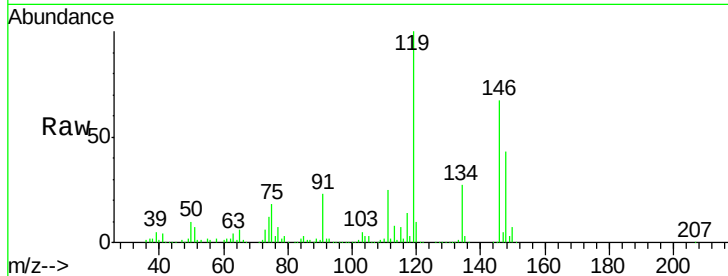




#87
 1,3-Dichlorobenzene
 Concen: 48.279 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN053584.D
 Acq: 1 Feb 2019 18:42

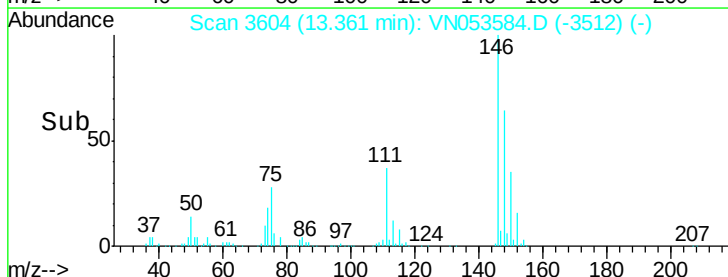
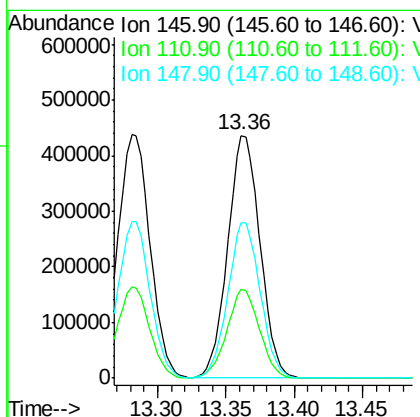
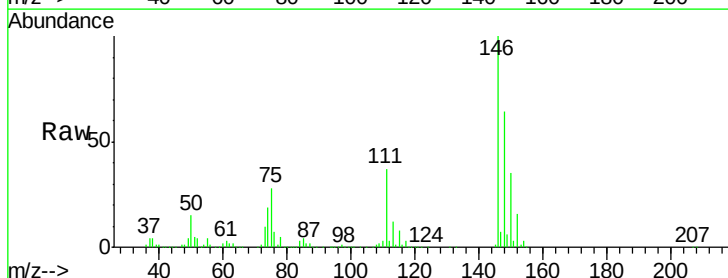
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

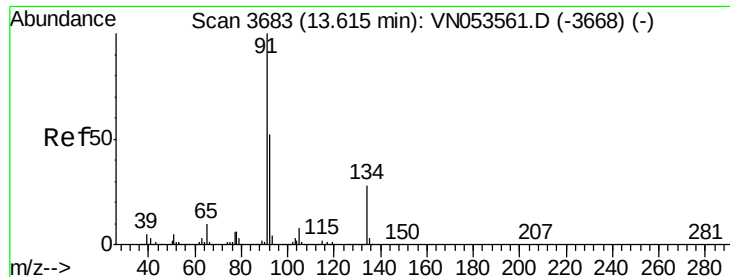
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.8	56.3
148	64.0	32.0	96.2



#88
 1,4-Dichlorobenzene
 Concen: 48.298 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN053584.D
 Acq: 1 Feb 2019 18:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.6	55.8
148	64.0	32.4	97.0





#89

n-Butylbenzene

Concen: 49.929 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

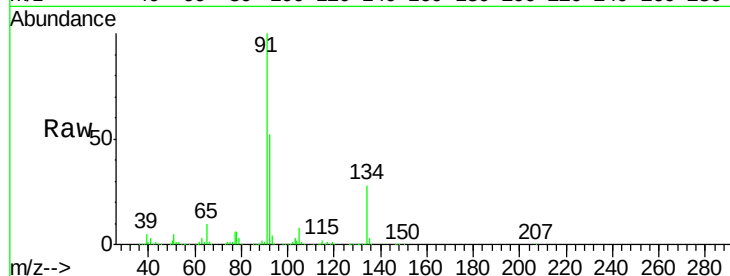
Tot Ion: 91 Resp: 1168792

Ion Ratio Lower Upper

91 100

92 52.5 26.3 78.8

134 27.3 13.5 40.5

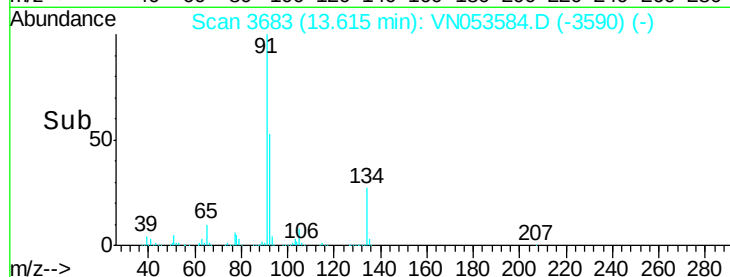


Abundance Ion 91.00 (90.70 to 91.70): VN053561.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN053561.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN053561.D (-3668) (-)

Time-->

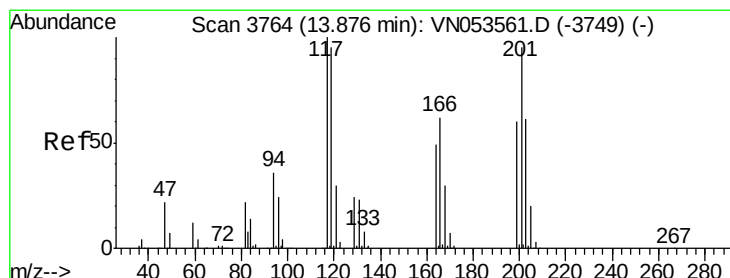


Abundance Ion 91.00 (90.70 to 91.70): VN053584.D (-3590) (-)

Ion 92.00 (91.70 to 92.70): VN053584.D (-3590) (-)

Ion 134.00 (133.70 to 134.70): VN053584.D (-3590) (-)

Time-->



#90

Hexachloroethane

Concen: 49.967 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN053584.D

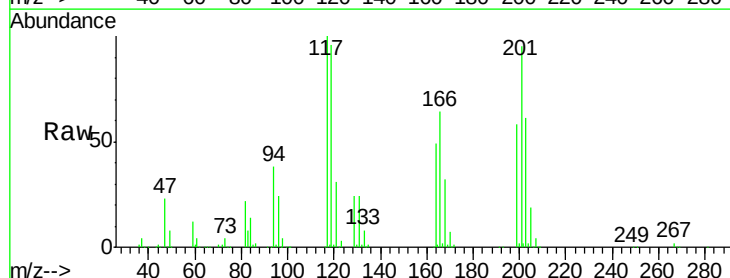
Acq: 1 Feb 2019 18:42

Tgt Ion: 117 Resp: 222905

Ion Ratio Lower Upper

117 100

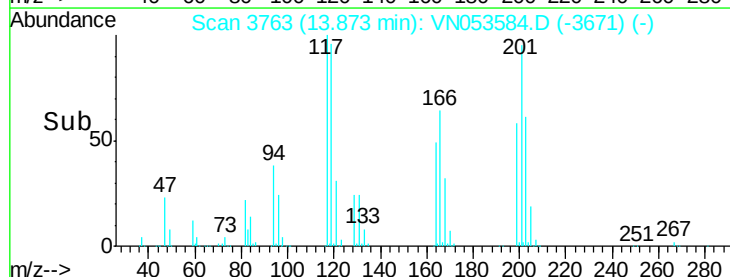
201 95.8 46.8 140.4



Abundance Ion 116.80 (116.50 to 117.50): VN053561.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN053561.D (-3749) (-)

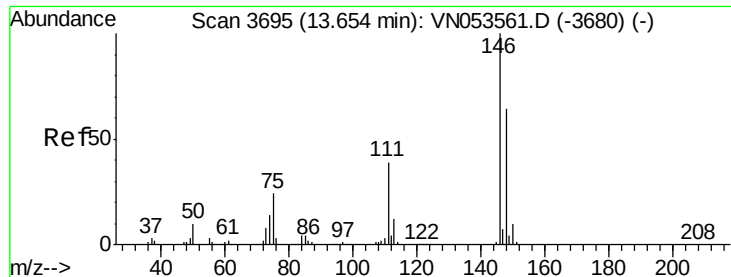
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN053584.D (-3671) (-)

Ion 200.70 (200.40 to 201.40): VN053584.D (-3671) (-)

Time-->



#91

1,2-Dichlorobenzene

Concen: 49.211 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

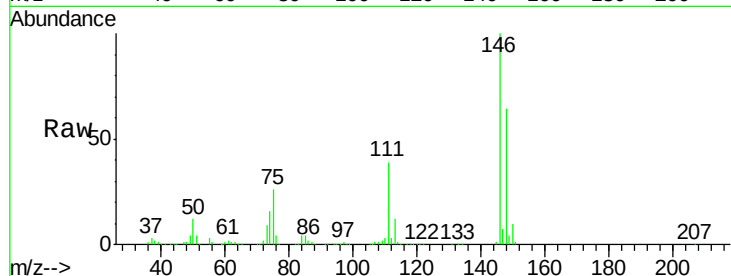
Tot Ion:146 Resp: 707698

Ion Ratio Lower Upper

146 100

111 38.8 19.5 58.5

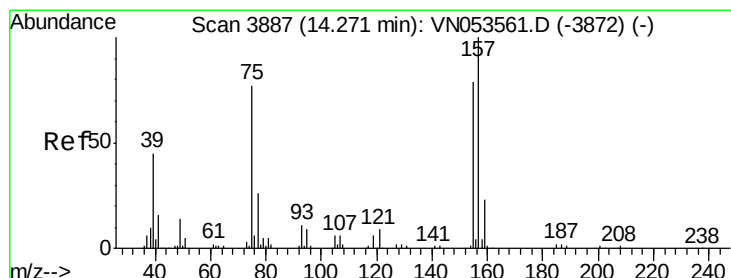
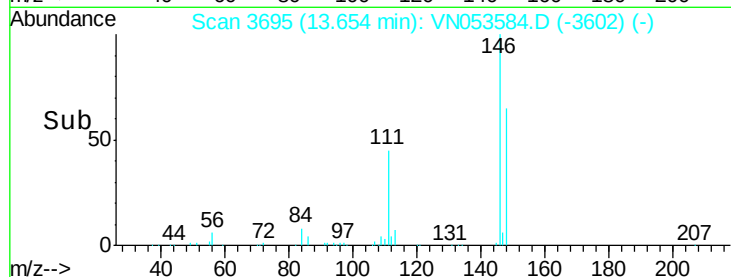
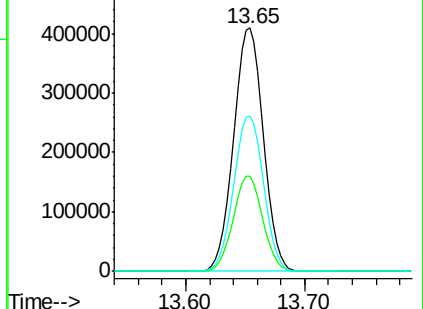
148 64.2 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.408 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

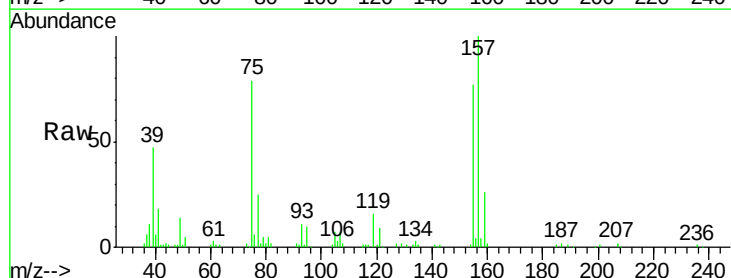
Tgt Ion: 75 Resp: 53309

Ion Ratio Lower Upper

75 100

155 98.7 48.9 146.7

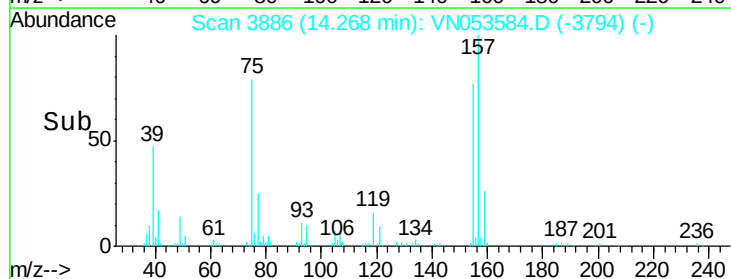
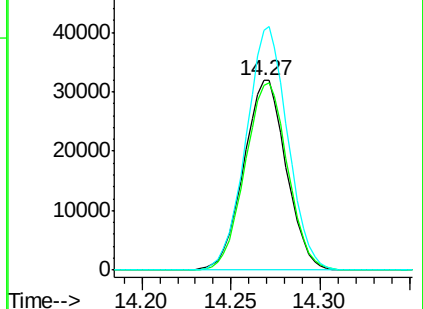
157 125.6 63.7 191.3

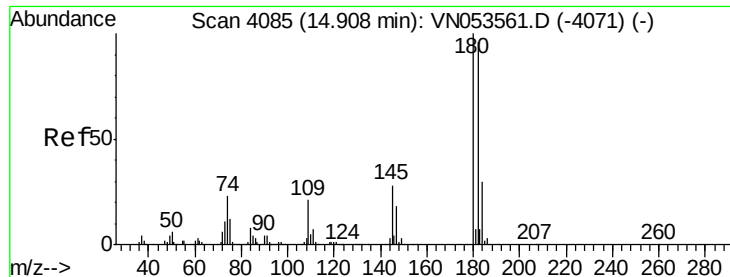


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

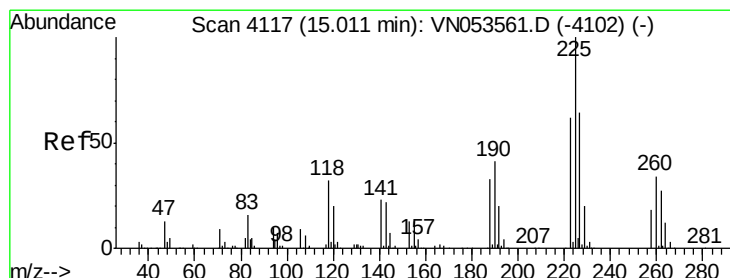
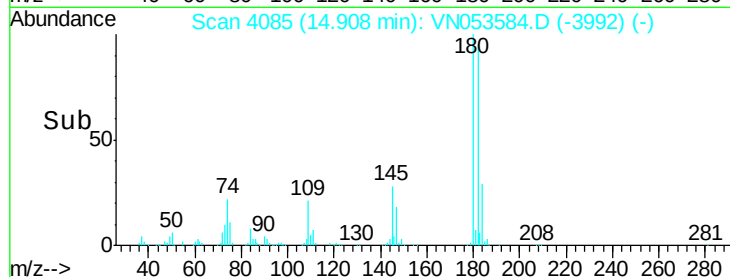
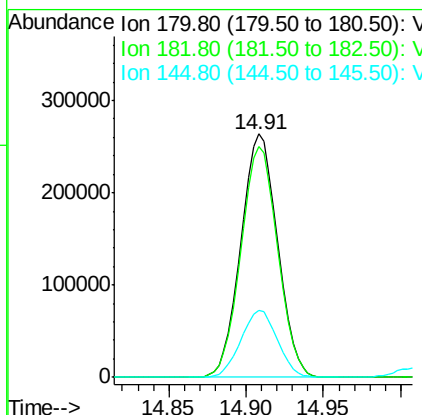
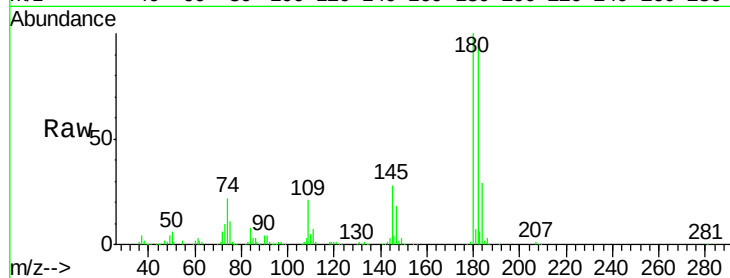




#93
 1,2,4-Trichlorobenzene
 Concen: 52.660 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053584.D
 Acq: 1 Feb 2019 18:42

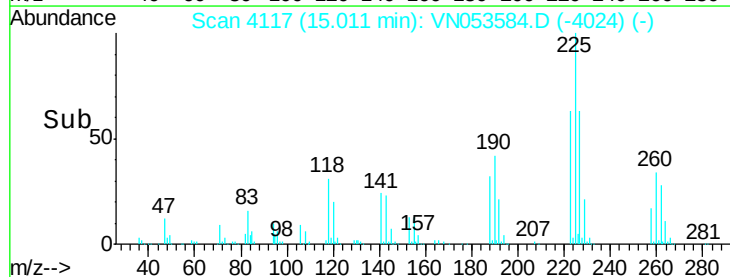
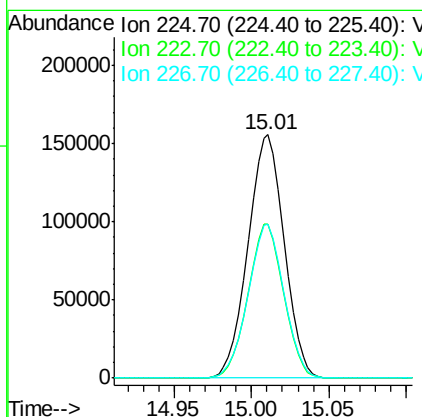
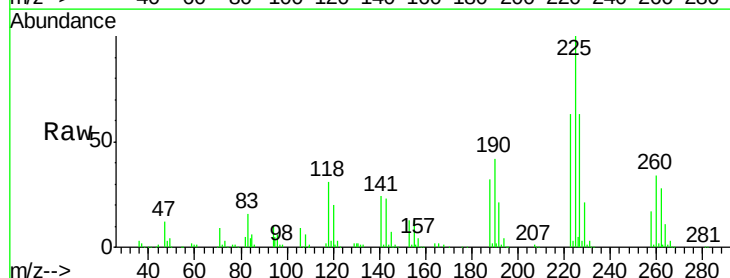
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

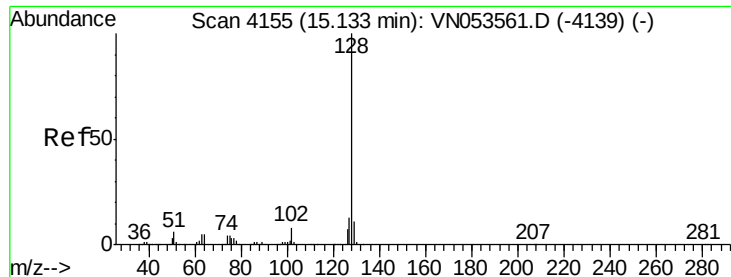
Tot Ion:180 Resp: 434334
 Ion Ratio Lower Upper
 180 100
 182 95.3 48.1 144.3
 145 27.5 13.9 41.6



#94
 Hexachlorobutadiene
 Concen: 49.494 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053584.D
 Acq: 1 Feb 2019 18:42

Tgt Ion:225 Resp: 254226
 Ion Ratio Lower Upper
 225 100
 223 62.2 31.1 93.2
 227 62.4 32.0 96.2





#95

Naphthalene

Concen: 48.484 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

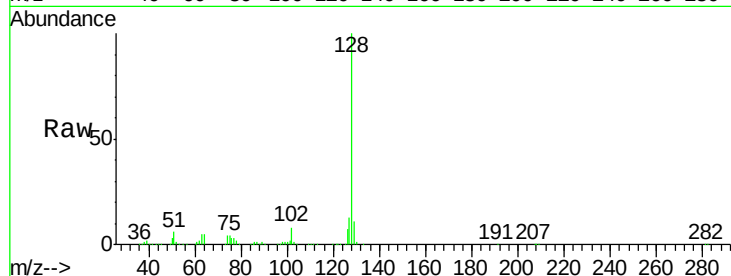
Tot Ion:128 Resp: 938318

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

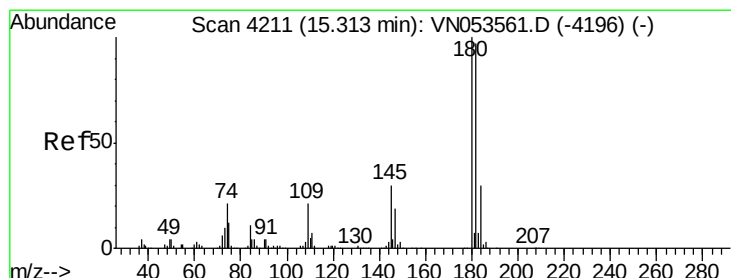
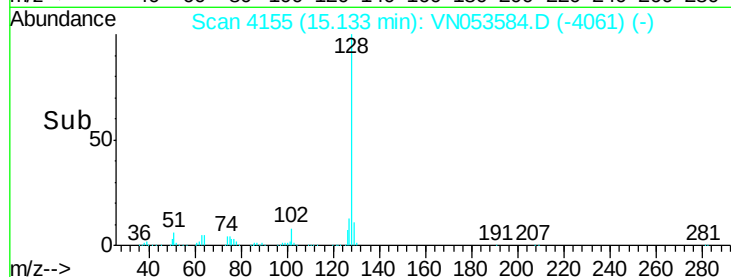
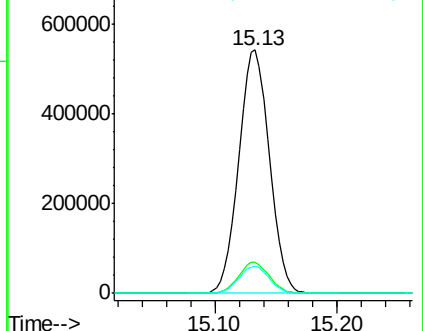
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 52.990 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

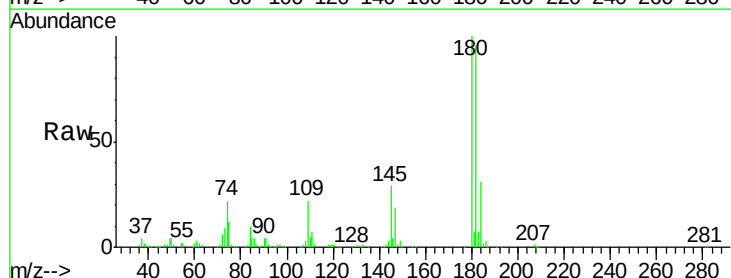
Tgt Ion:180 Resp: 405530

Ion Ratio Lower Upper

180 100

182 95.7 47.9 143.8

145 29.3 14.7 44.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

