

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020819\
 Data File : VN053676.D
 Acq On : 8 Feb 2019 12:50
 Operator : JC/SP
 Sample : VN0208MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 09 02:33:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	675895	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	998568	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	861589	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	416776	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	328505	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	
35) Dibromofluoromethane	7.59	113	315027	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
50) Toluene-d8	10.09	98	1146534	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	
62) 4-Bromofluorobenzene	12.40	95	387003	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	140854	18.698	ug/l	99
3) Chloromethane	2.06	50	147289	18.356	ug/l	100
4) Vinyl Chloride	2.19	62	145534	18.683	ug/l	98
5) Bromomethane	2.57	94	106705	20.951	ug/l	97
6) Chloroethane	2.71	64	96079	21.584	ug/l	99
7) Trichlorofluoromethane	3.02	101	217391	20.580	ug/l	99
8) Diethyl Ether	3.41	74	76703	19.883	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	137198	21.001	ug/l	100
10) Methyl Iodide	3.96	142	191106	18.638	ug/l	100
11) Tert butyl alcohol	4.78	59	37152	92.582	ug/l	99
12) 1,1-Dichloroethene	3.74	96	122831	19.625	ug/l	99
13) Acrolein	3.61	56	19210	87.924	ug/l	97
14) Allyl chloride	4.33	41	192995	19.366	ug/l	98
15) Acrylonitrile	4.98	53	214141	98.848	ug/l	98
16) Acetone	3.82	43	176054	101.226	ug/l	97
17) Carbon Disulfide	4.06	76	348677	17.891	ug/l	100
18) Methyl Acetate	4.32	43	108858	21.134	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	308766	19.460	ug/l	98
20) Methylene Chloride	4.55	84	138599	18.995	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	124566	18.447	ug/l	97
22) Diisopropyl ether	5.95	45	351329	19.026	ug/l	99
23) Vinyl Acetate	5.90	43	1207560	94.532	ug/l	99
24) 1,1-Dichloroethane	5.85	63	235816	19.147	ug/l	99
25) 2-Butanone	6.84	43	235061	94.763	ug/l	98
26) 2,2-Dichloropropane	6.83	77	176163	18.737	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	144962	19.306	ug/l	98
28) Bromochloromethane	7.19	49	103679	19.398	ug/l	94
29) Tetrahydrofuran	7.21	42	152823	95.945	ug/l	98
30) Chloroform	7.37	83	232337	19.030	ug/l	99
31) Cyclohexane	7.65	56	208866	18.107	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	195966	19.287	ug/l	99
36) 1,1-Dichloropropene	7.79	75	170108	18.898	ug/l	99
37) Ethyl Acetate	6.93	43	101457	20.181	ug/l	97
38) Carbon Tetrachloride	7.77	117	178411	19.675	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)
39) Methylcyclohexane	9.08	83	197382	18.483	ug/l	98
40) Benzene	8.04	78	542980	19.561	ug/l	99
41) Methacrylonitrile	7.17	41	43364	15.433	ug/l #	73
42) 1,2-Dichloroethane	8.12	62	161934	19.647	ug/l	100
43) Isopropyl Acetate	8.17	43	189434	19.511	ug/l	97
44) Trichloroethene	8.84	130	152505	19.298	ug/l	98
45) 1,2-Dichloropropane	9.12	63	141345	19.908	ug/l	100
46) Dibromomethane	9.21	93	83238	19.449	ug/l	97
47) Bromodichloromethane	9.40	83	178373	20.045	ug/l	99
48) Methyl methacrylate	9.20	41	81898	17.671	ug/l	89
49) 1,4-Dioxane	9.20	88	25252	400.430	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	472961	99.133	ug/l	98
52) Toluene	10.16	92	326023	19.790	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	167871	18.839	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	204669	19.383	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	122791	20.684	ug/l	97
56) Ethyl methacrylate	10.43	69	137191	19.535	ug/l	98
57) 1,3-Dichloropropane	10.71	76	199135	19.628	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	336636	82.826	ug/l	99
59) 2-Hexanone	10.75	43	298011	92.011	ug/l	99
60) Dibromochloromethane	10.90	129	132706	19.824	ug/l	98
61) 1,2-Dibromoethane	11.00	107	112938	19.221	ug/l	100
64) Tetrachloroethene	10.63	164	145753	19.735	ug/l	99
65) Chlorobenzene	11.43	112	356952	19.504	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	129732	20.298	ug/l	100
67) Ethyl Benzene	11.51	91	589327	19.603	ug/l	100
68) m/p-Xylenes	11.62	106	465411	40.562	ug/l	99
69) o-Xylene	11.95	106	224474	20.250	ug/l	97
70) Styrene	11.97	104	362738	20.189	ug/l	99
71) Bromoform	12.13	173	89324	20.385	ug/l #	98
73) Isopropylbenzene	12.25	105	592899	20.236	ug/l	99
74) N-amyl acetate	12.07	43	139083	19.741	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	136735	19.500	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	166099	31.028	ug/l #	100
77) Bromobenzene	12.53	156	157509	19.947	ug/l	97
78) n-propylbenzene	12.59	91	687670	20.303	ug/l	100
79) 2-Chlorotoluene	12.68	91	408033	20.306	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	507790	20.900	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	34272	18.002	ug/l	95
82) 4-Chlorotoluene	12.77	91	414863	20.120	ug/l	99
83) tert-Butylbenzene	12.99	119	447902	20.859	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	522840	21.122	ug/l	100
85) sec-Butylbenzene	13.17	105	618692	21.173	ug/l	100
86) p-Isopropyltoluene	13.29	119	537429	21.029	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	276061	19.448	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	271919	19.366	ug/l	98
89) n-Butylbenzene	13.62	91	450490	20.365	ug/l	99
90) Hexachloroethane	13.88	117	88065	20.891	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	270807	19.928	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	19498	19.511	ug/l	98

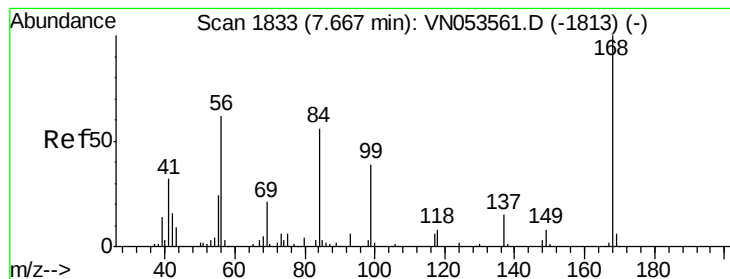
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN020819\
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Instrument :
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Quant Time: Feb 09 02:33:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 01 09:11:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	144559	18.548	ug/l	99
94) Hexachlorobutadiene	15.01	225	103935	21.414	ug/l	99
95) Naphthalene	15.13	128	278643	16.427	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	136892	18.929	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

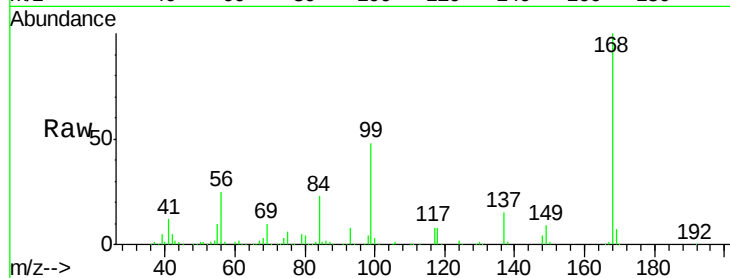
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 675895

Ion Ratio Lower Upper

168 100

99 47.7 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

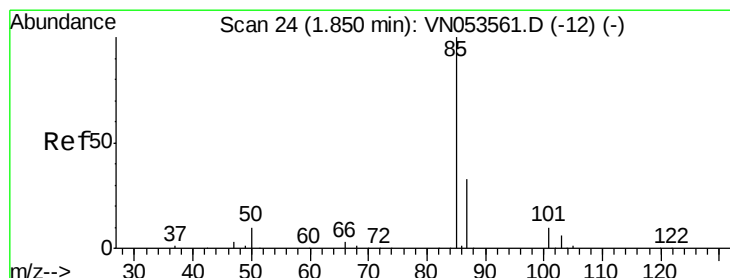
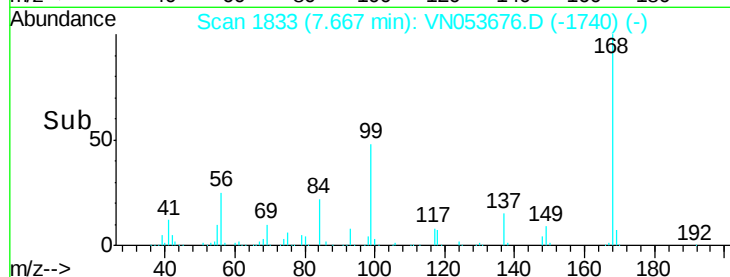
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.698 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053676.D

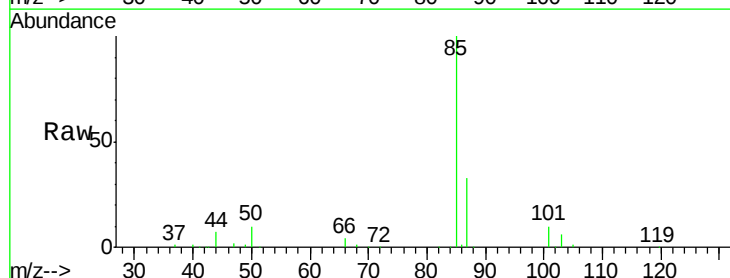
Acq: 8 Feb 2019 12:50

Tgt Ion: 85 Resp: 140854

Ion Ratio Lower Upper

85 100

87 32.8 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

120000

100000

80000

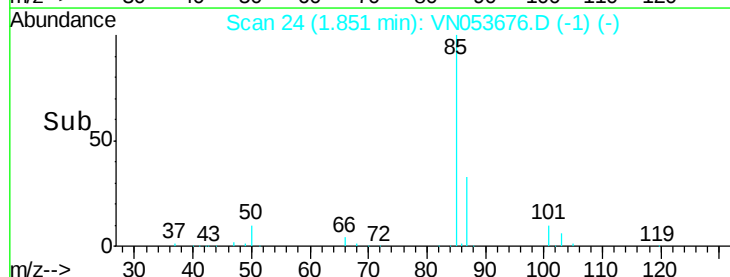
60000

40000

20000

0

Time-->





#3

Chloromethane

Concen: 18.356 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

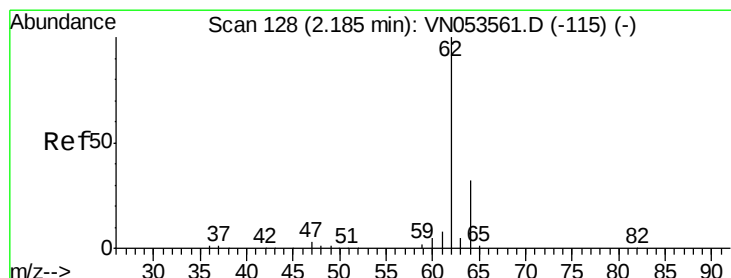
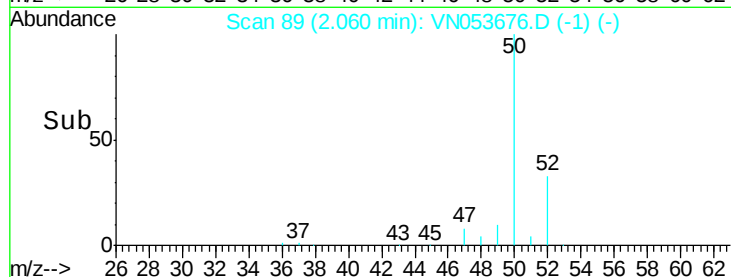
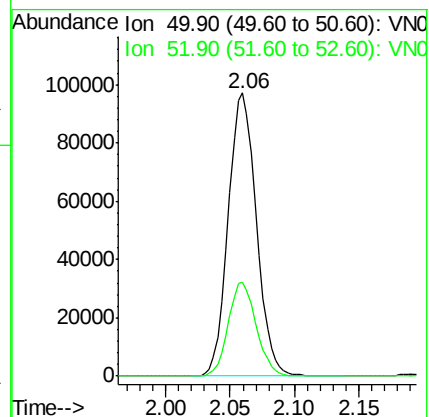
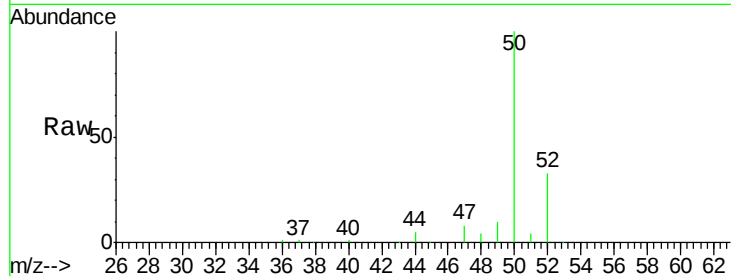
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 50 Resp: 147289

Ion Ratio Lower Upper

50 100

52 33.2 26.6 40.0



#4

Vinyl Chloride

Concen: 18.683 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053676.D

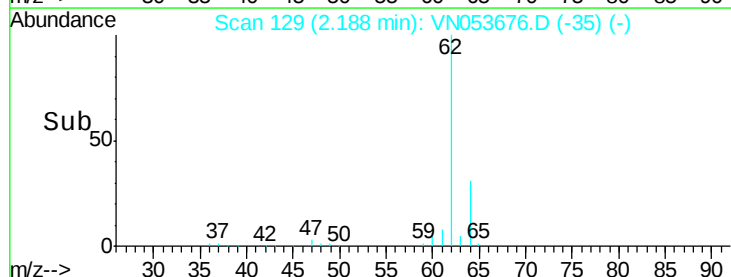
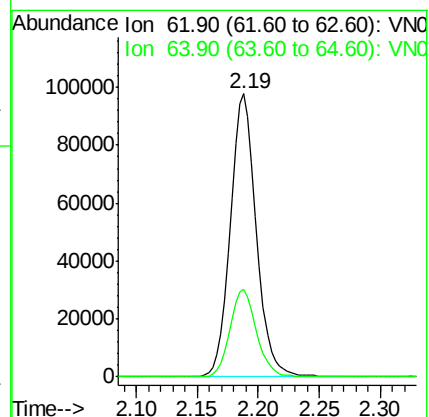
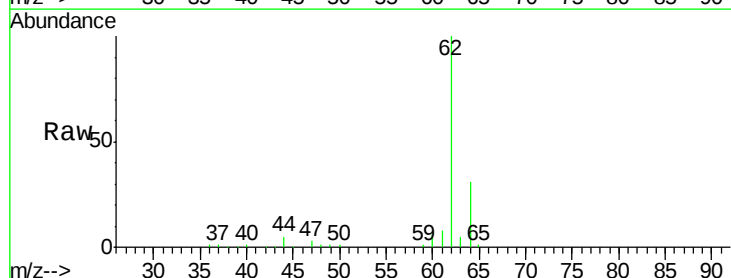
Acq: 8 Feb 2019 12:50

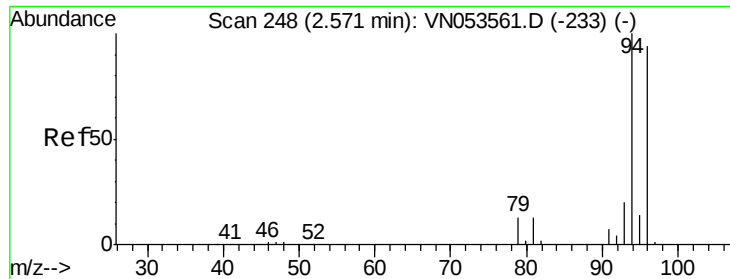
Tgt Ion: 62 Resp: 145534

Ion Ratio Lower Upper

62 100

64 30.8 25.4 38.2





#5

Bromomethane

Concen: 20.951 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

Instrument :

MSVOA_N

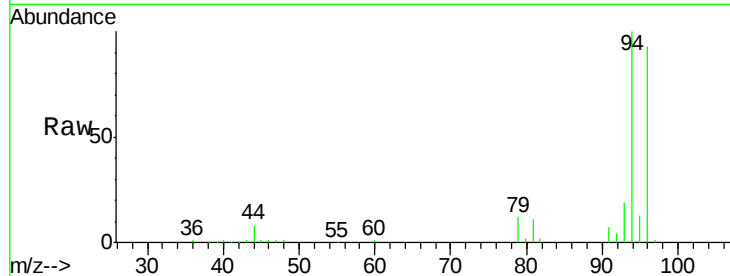
ClientSampled :

Tot Ion: 94 Resp: 106705

Ion Ratio Lower Upper

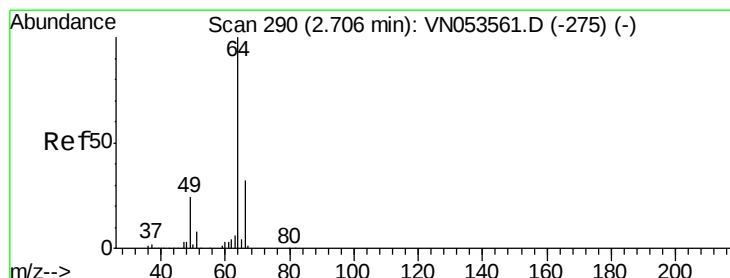
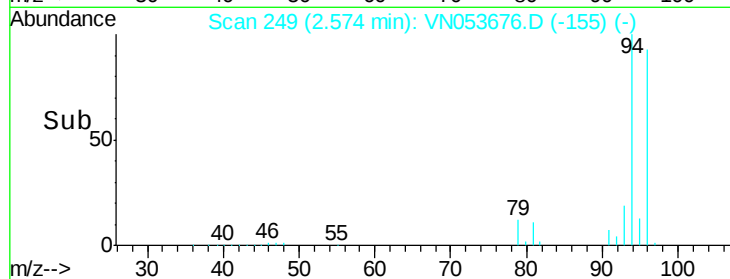
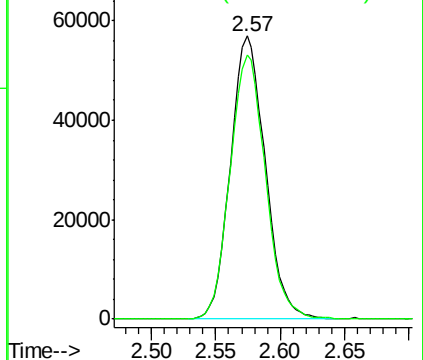
94 100

96 93.1 76.8 115.2



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 21.584 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053676.D

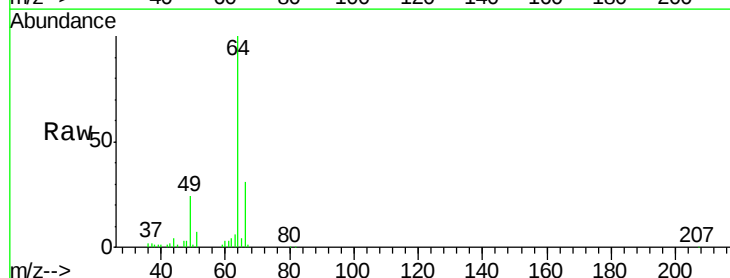
Acq: 8 Feb 2019 12:50

Tgt Ion: 64 Resp: 96079

Ion Ratio Lower Upper

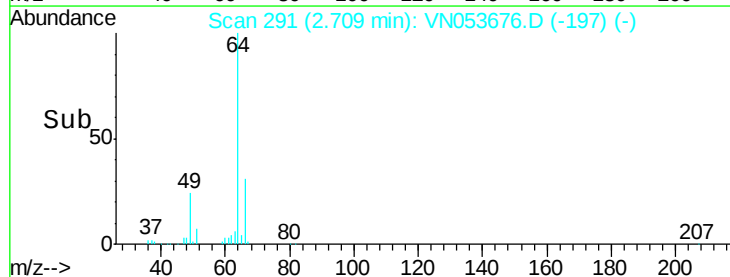
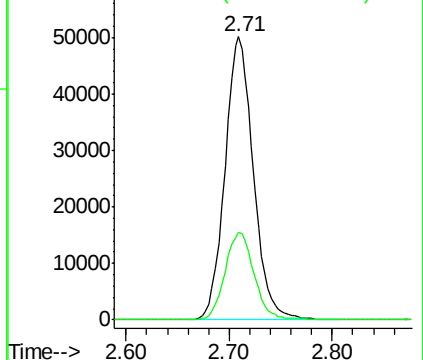
64 100

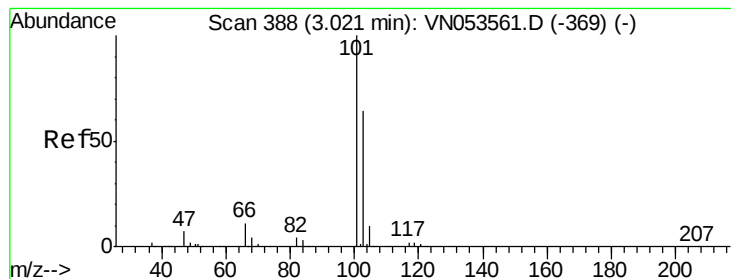
66 30.8 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO



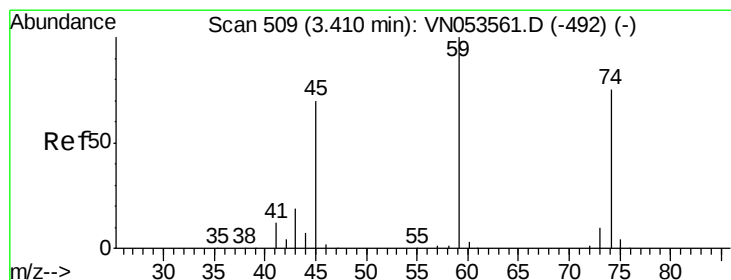
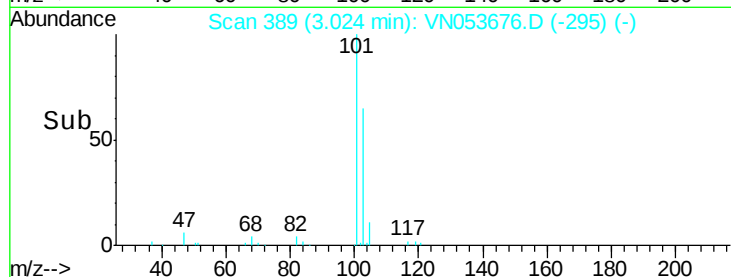
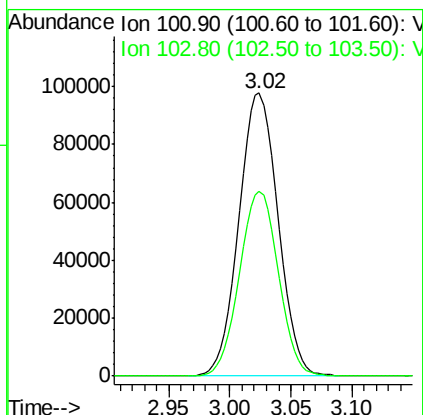
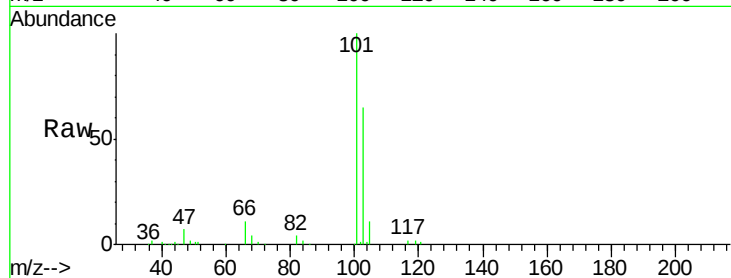


#7

Trichlorofluoromethane
 Concen: 20.580 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053676.D
 Acq: 8 Feb 2019 12:50

Instrument :
 MSVOA_N
 ClientSampled :

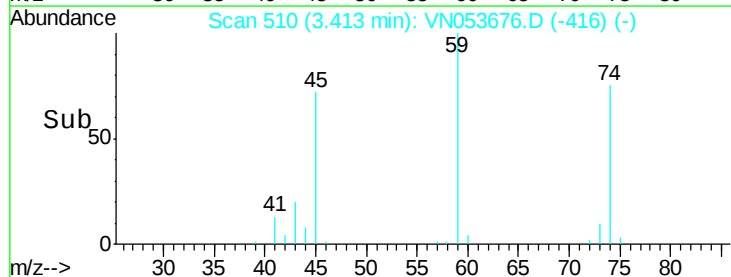
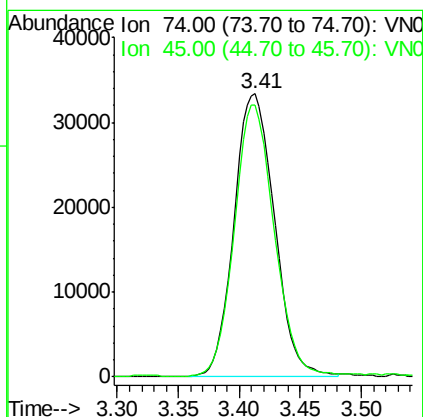
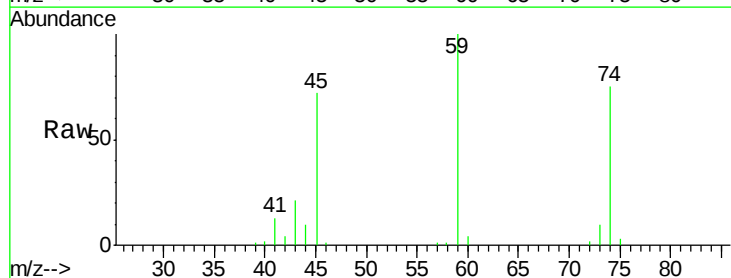
Tot Ion:101 Resp: 217391
 Ion Ratio Lower Upper
 101 100
 103 65.5 51.6 77.4



#8

Diethyl Ether
 Concen: 19.883 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053676.D
 Acq: 8 Feb 2019 12:50

Tgt Ion: 74 Resp: 76703
 Ion Ratio Lower Upper
 74 100
 45 95.7 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.001 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

Instrument :

MSVOA_N

ClientSampled :

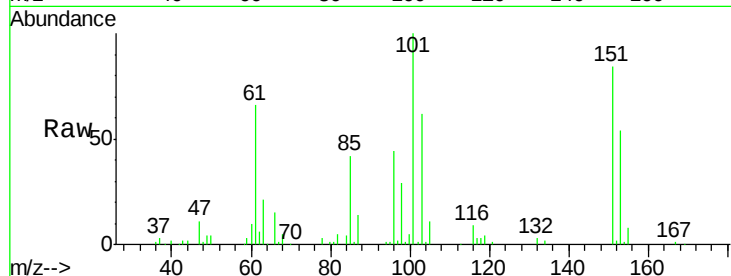
Tot Ion:101 Resp: 137198

Ion Ratio Lower Upper

101 100

85 41.0 32.8 49.2

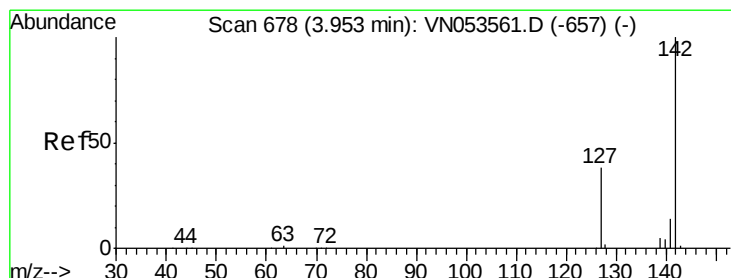
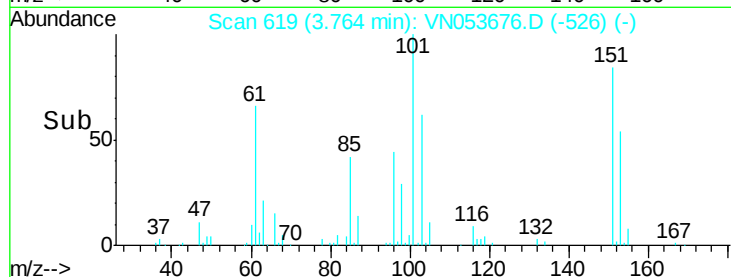
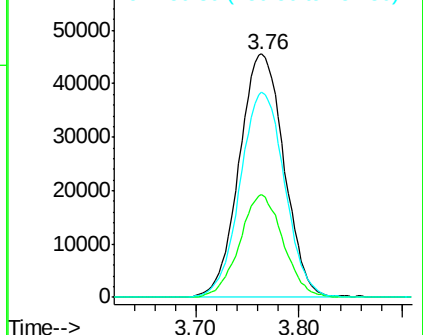
151 84.0 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.638 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

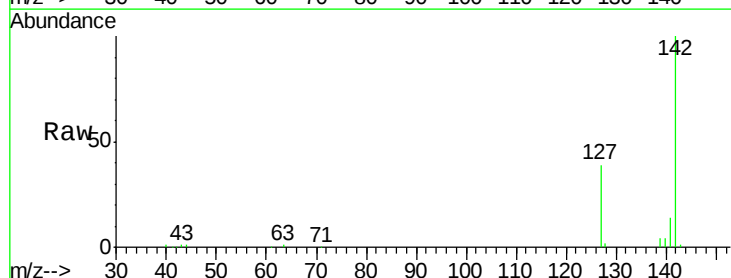
Tgt Ion:142 Resp: 191106

Ion Ratio Lower Upper

142 100

127 38.5 31.0 46.4

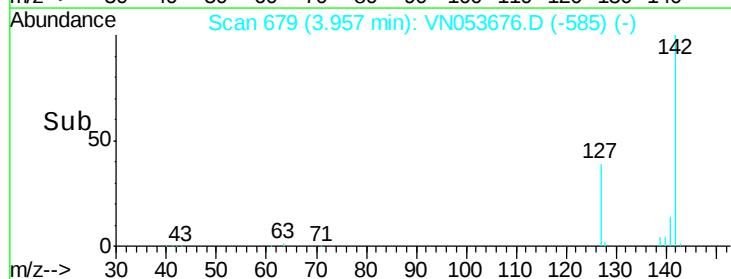
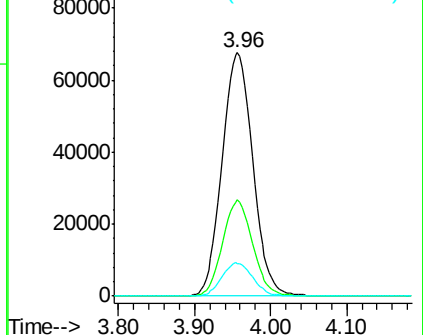
141 13.7 11.1 16.7

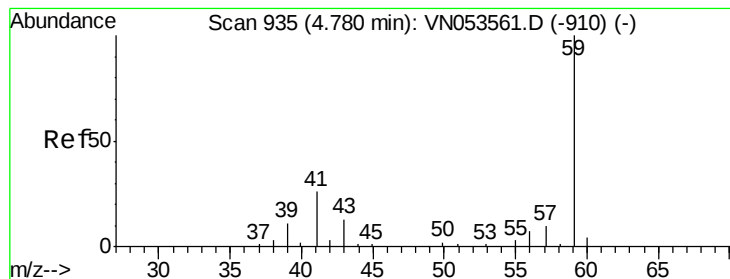


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 92.582 ug/l

RT: 4.78 min Scan# 935

Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

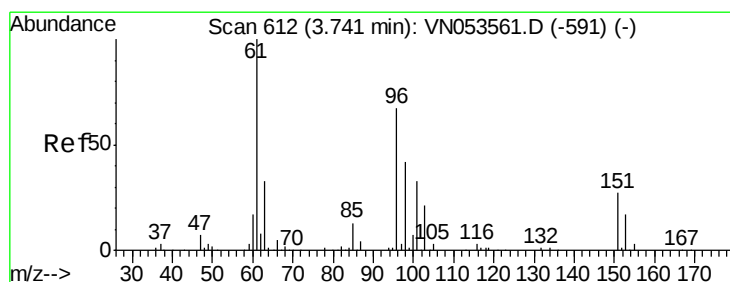
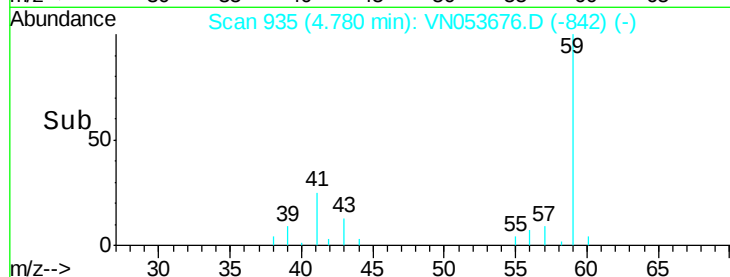
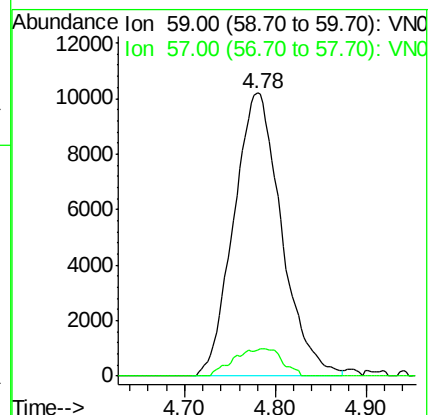
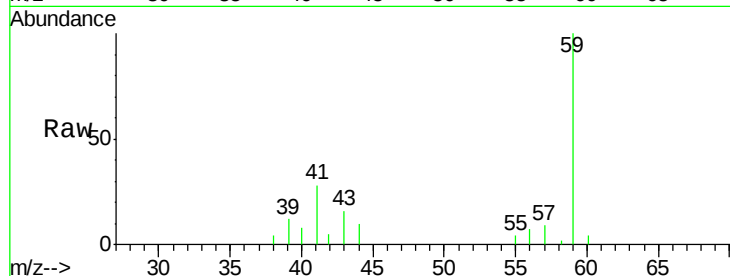
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 59 Resp: 37152

Ion Ratio Lower Upper

59 100

57 9.7 8.2 12.4



#12

1,1-Dichloroethene

Concen: 19.625 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

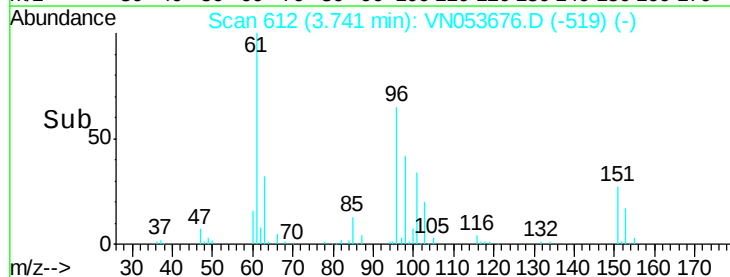
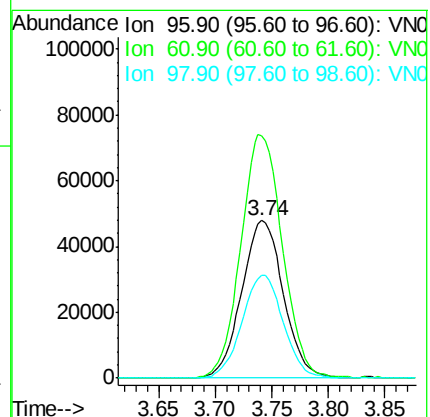
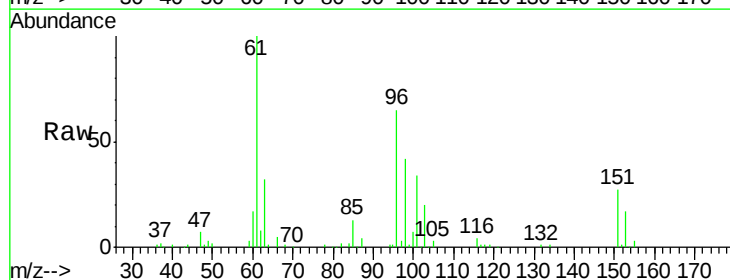
Tgt Ion: 96 Resp: 122831

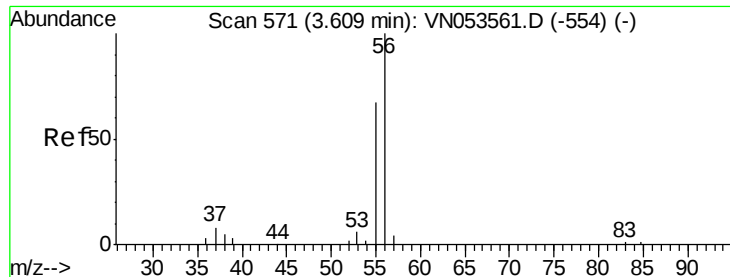
Ion Ratio Lower Upper

96 100

61 153.6 122.9 184.3

98 64.8 49.4 74.0





#13

Acrolein

Concen: 87.924 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

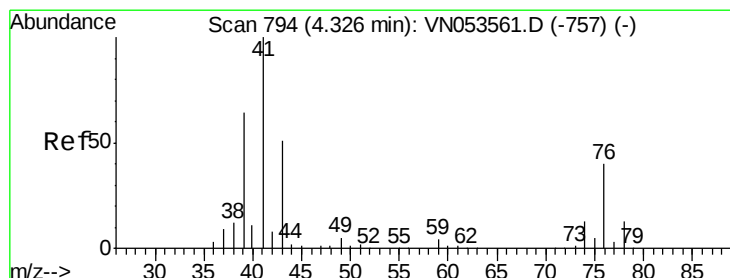
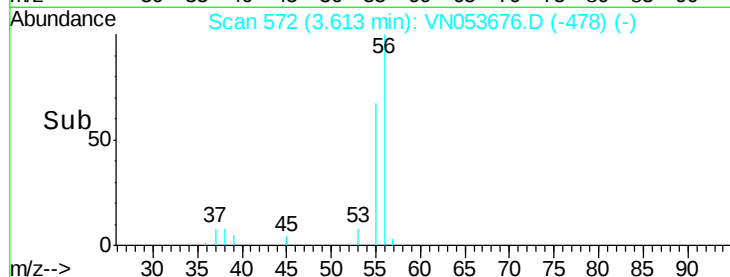
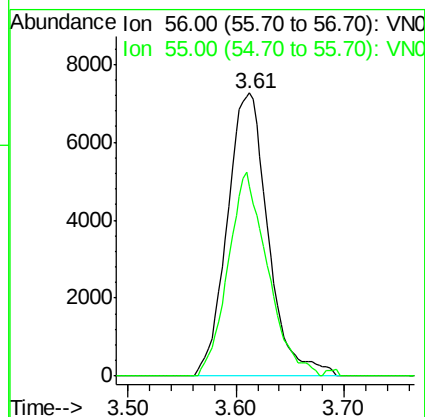
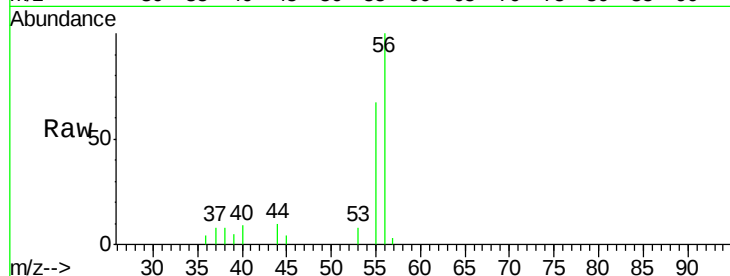
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 19210

Ion Ratio Lower Upper

56 100

55 69.5 57.4 86.0



#14

Allyl chloride

Concen: 19.366 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

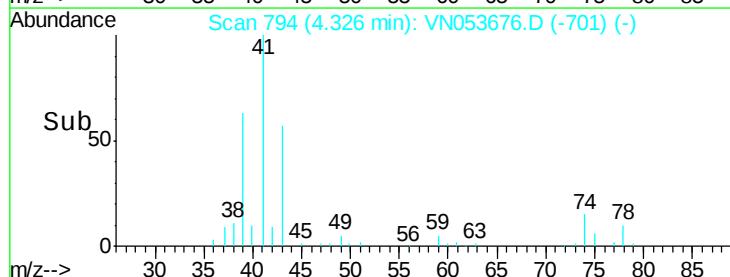
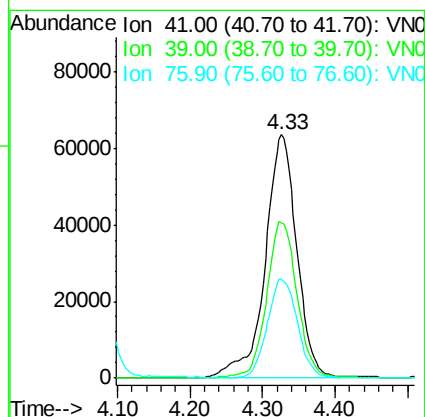
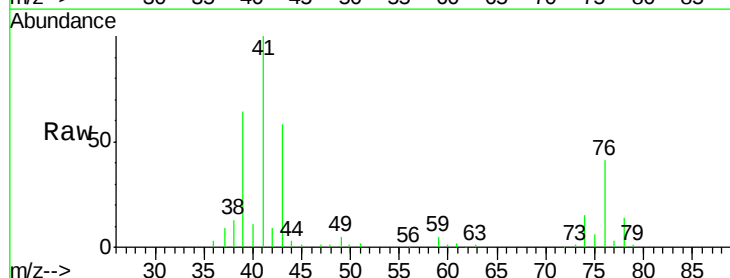
Tgt Ion: 41 Resp: 192995

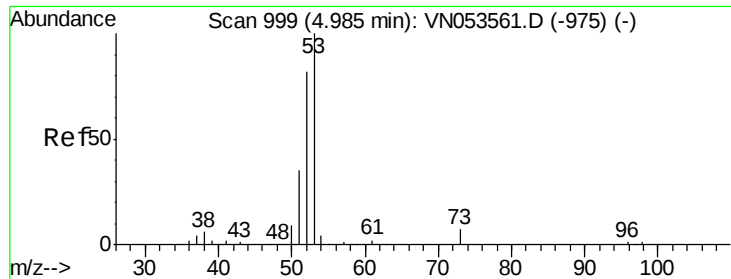
Ion Ratio Lower Upper

41 100

39 61.8 48.9 73.3

76 39.0 29.4 44.2





#15

Acrylonitrile

Concen: 98.848 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

Instrument :

MSVOA_N

ClientSampleId :

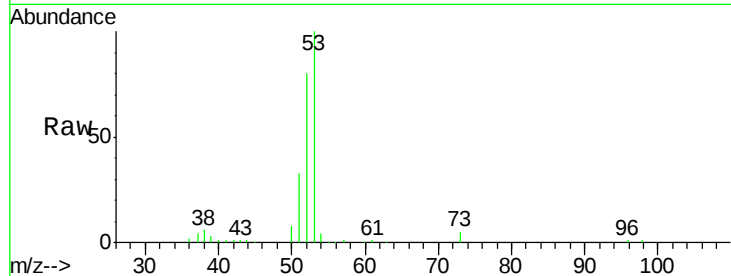
Tot Ion: 53 Resp: 214141

Ion Ratio Lower Upper

53 100

52 80.5 66.0 99.0

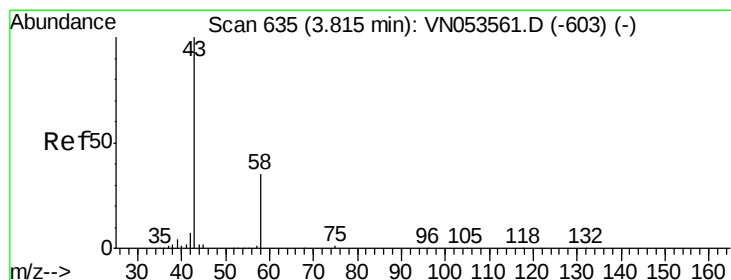
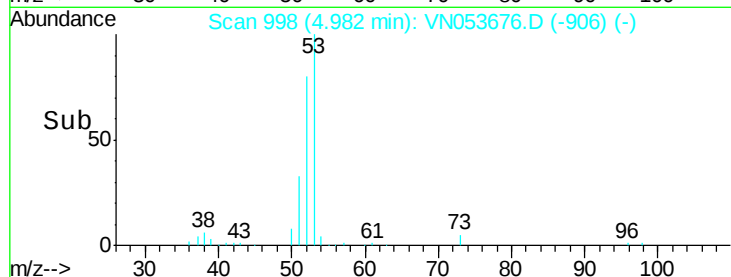
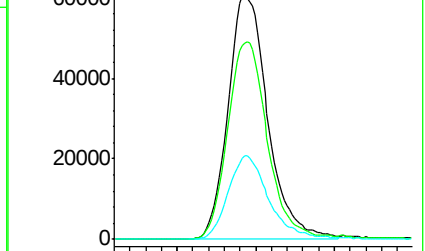
51 34.9 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN053561.D (-975) (-)

Ion 52.00 (51.70 to 52.70): VN053561.D (-975) (-)

Ion 51.00 (50.70 to 51.70): VN053561.D (-975) (-)



#16

Acetone

Concen: 101.226 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053676.D

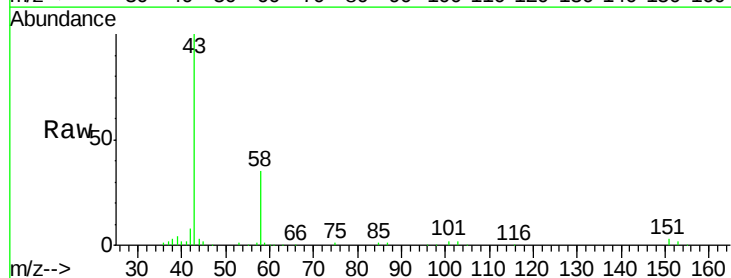
Acq: 8 Feb 2019 12:50

Tgt Ion: 43 Resp: 176054

Ion Ratio Lower Upper

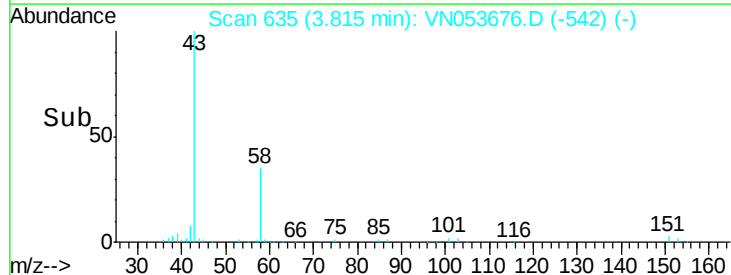
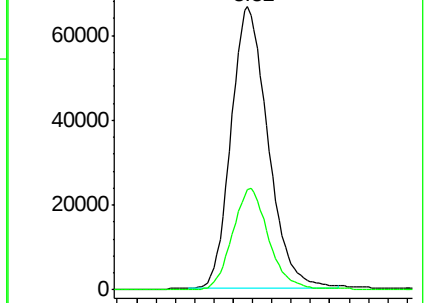
43 100

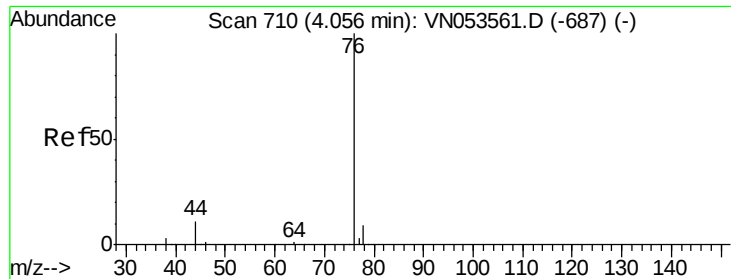
58 35.6 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN053561.D (-603) (-)

Ion 58.00 (57.70 to 58.70): VN053561.D (-603) (-)

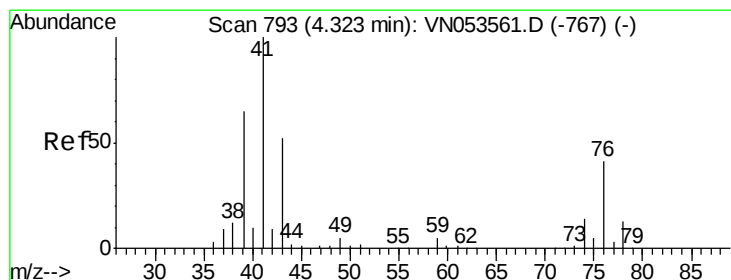
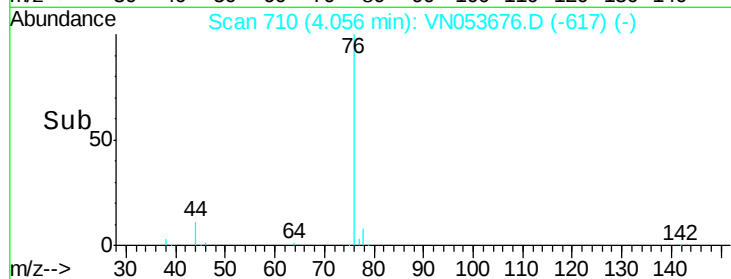
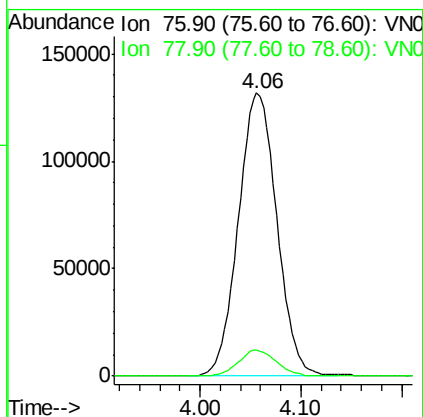
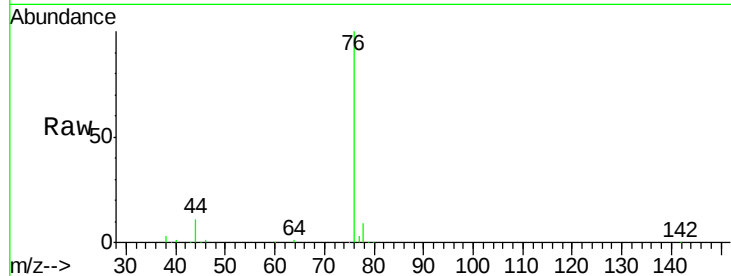




#17
Carbon Disulfide
Concen: 17.891 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN053676.D
Acq: 8 Feb 2019 12:50

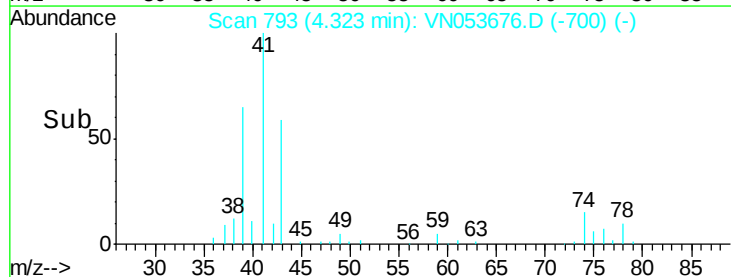
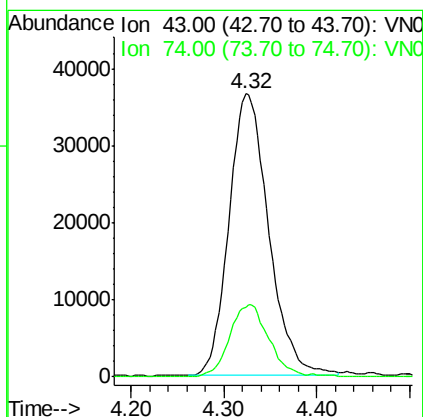
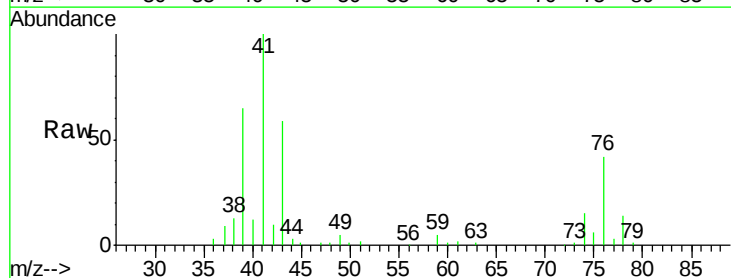
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 76 Resp: 348677
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9



#18
Methyl Acetate
Concen: 21.134 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053676.D
Acq: 8 Feb 2019 12:50

Tgt Ion: 43 Resp: 108858
Ion Ratio Lower Upper
43 100
74 25.1 19.4 29.2

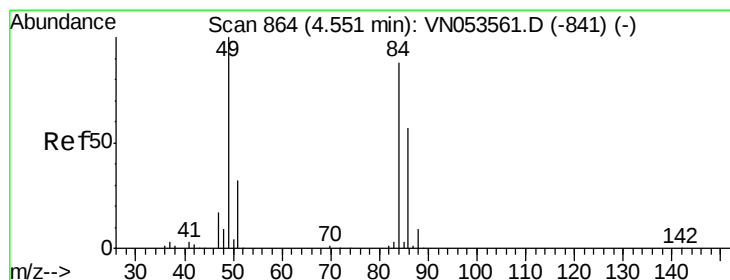
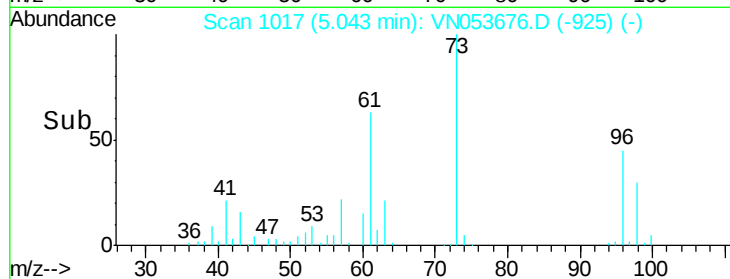
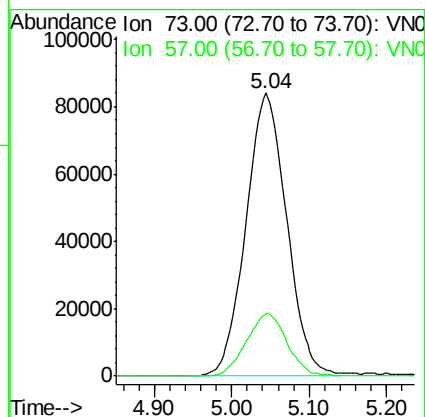
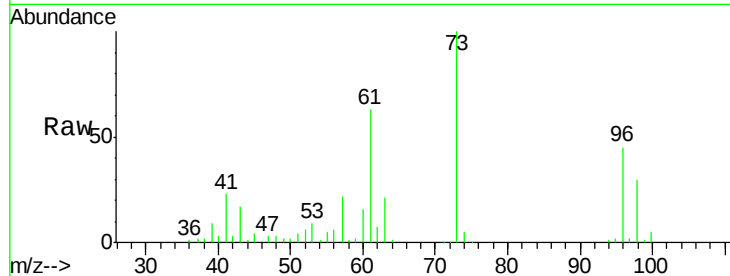




#19
Methvl tert-butvl Ether
Concen: 19.460 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053676.D
Acq: 8 Feb 2019 12:50

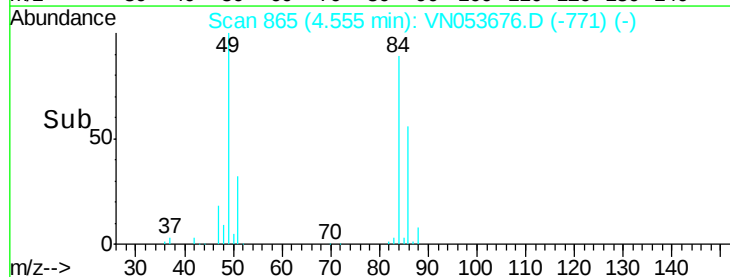
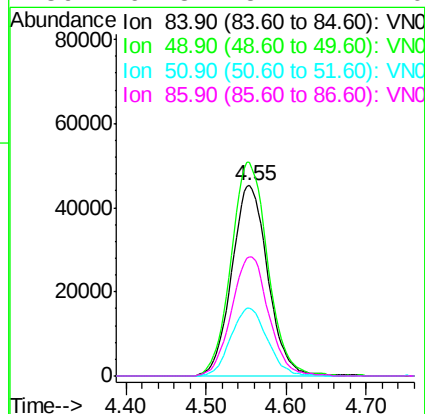
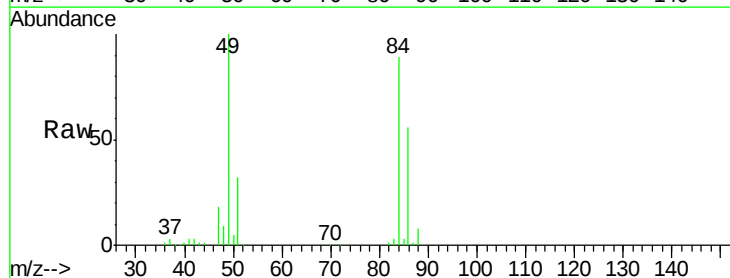
Instrument :
MSVOA_N
ClientSampled :

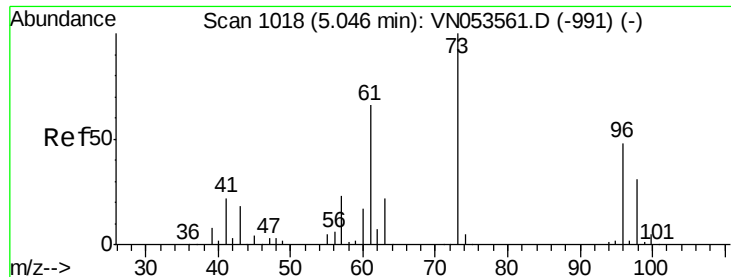
Tot Ion: 73 Resp: 308766
Ion Ratio Lower Upper
73 100
57 22.1 18.3 27.5



#20
Methylene Chloride
Concen: 18.995 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053676.D
Acq: 8 Feb 2019 12:50

Tgt Ion: 84 Resp: 138599
Ion Ratio Lower Upper
84 100
49 112.1 94.3 141.5
51 35.9 29.4 44.2
86 62.8 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 18.447 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

Instrument :
MSVOA_N
ClientSampleId :

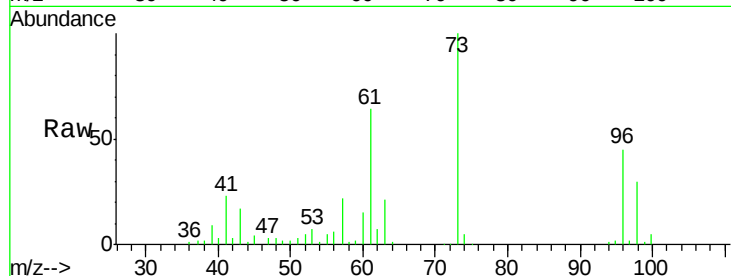
Tot Ion: 96 Resp: 124566

Ion Ratio Lower Upper

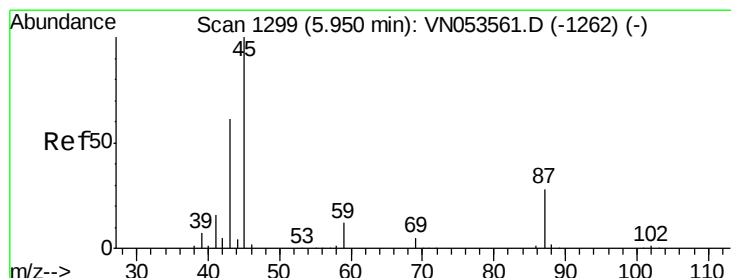
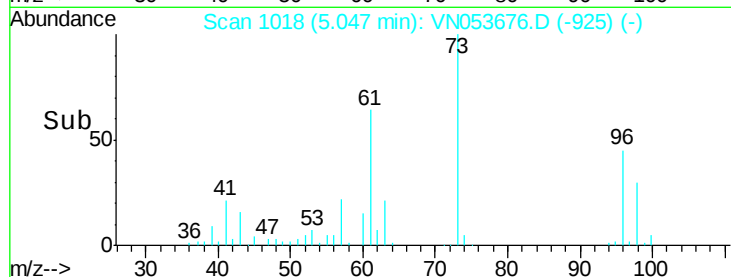
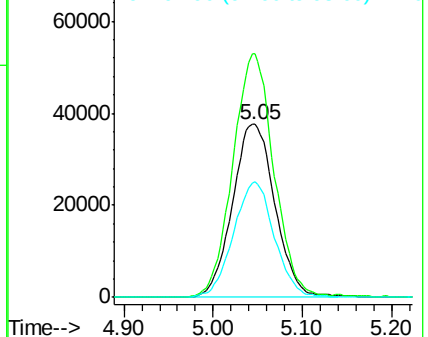
96 100

61 140.4 110.1 165.1

98 66.6 50.0 75.0



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



#22

Diisopropyl ether

Concen: 19.026 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

Tgt Ion: 45 Resp: 351329

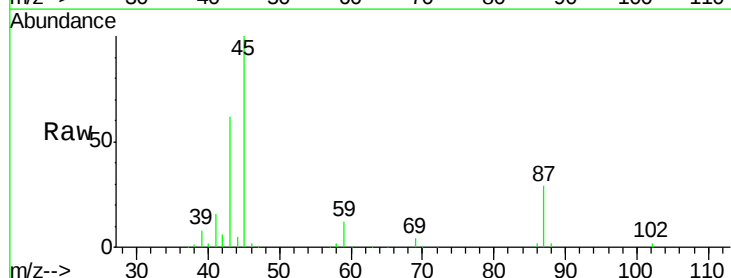
Ion Ratio Lower Upper

45 100

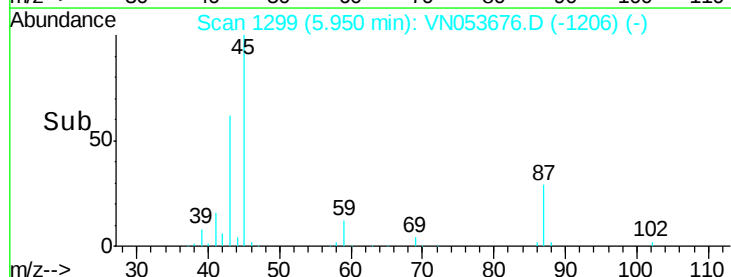
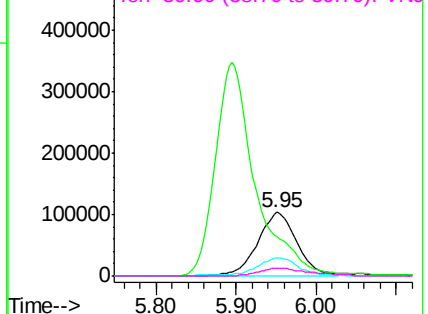
43 57.0 44.2 66.4

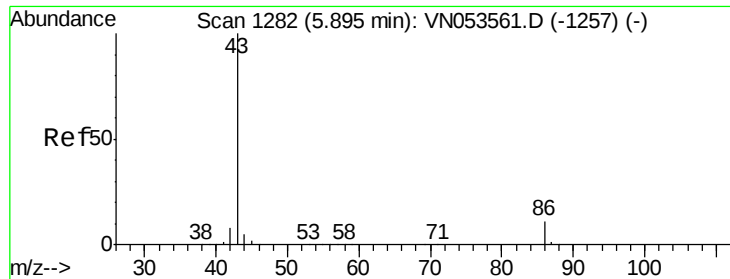
87 28.5 22.7 34.1

59 11.5 9.4 14.2



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

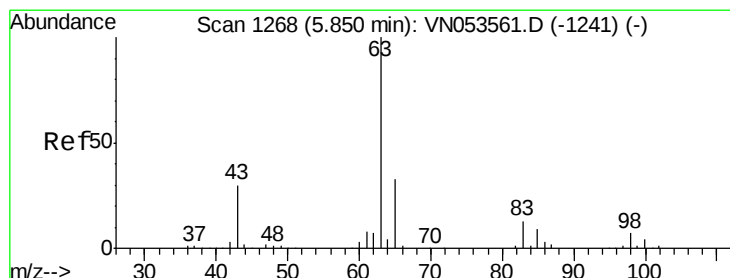
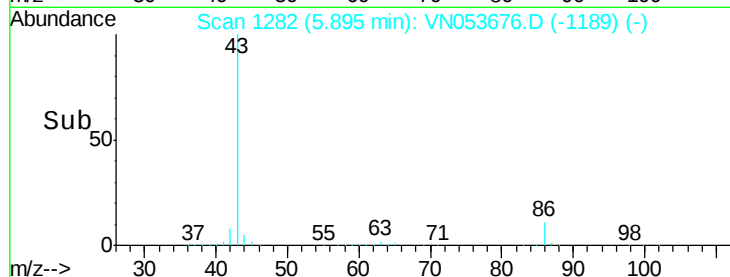
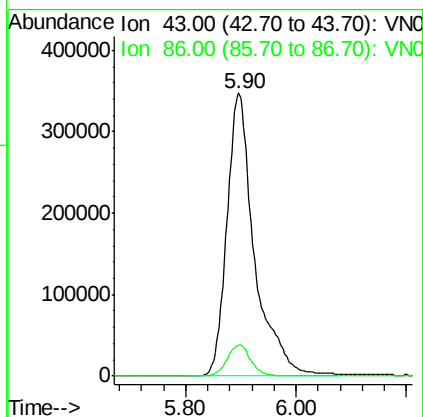
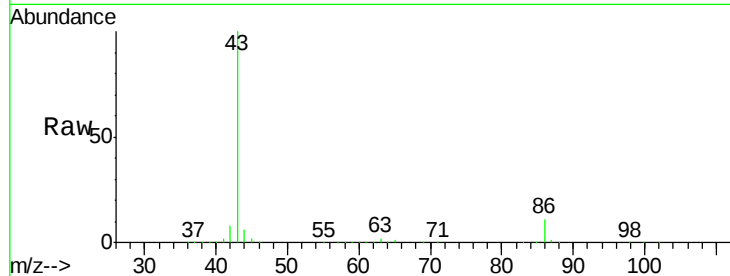




#23
 Vinyl Acetate
 Concen: 94.532 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053676.D
 Acq: 8 Feb 2019 12:50

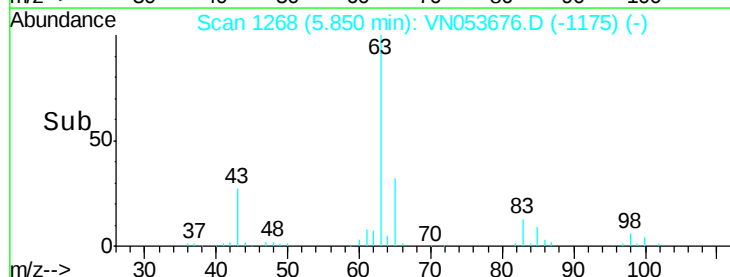
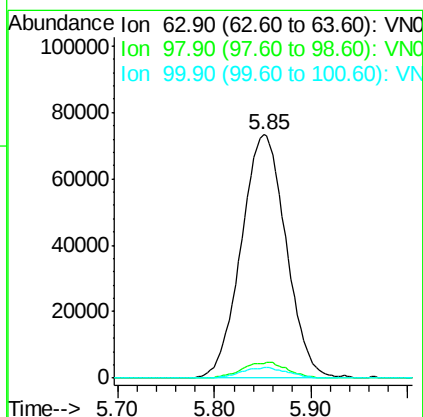
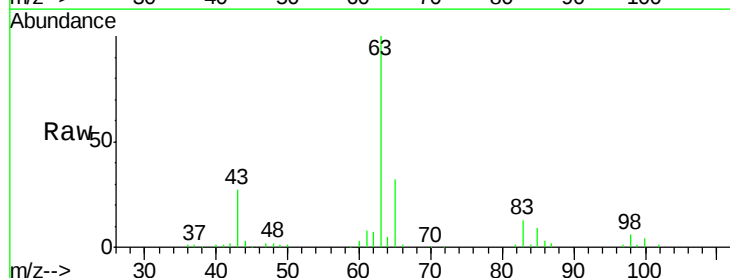
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 43 Resp: 1207560
 Ion Ratio Lower Upper
 43 100
 86 10.9 8.4 12.6



#24
 1,1-Dichloroethane
 Concen: 19.147 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN053676.D
 Acq: 8 Feb 2019 12:50

Tgt Ion: 63 Resp: 235816
 Ion Ratio Lower Upper
 63 100
 98 6.1 3.3 9.9
 100 4.3 2.1 6.5





#25

2-Butanone

Concen: 94.763 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

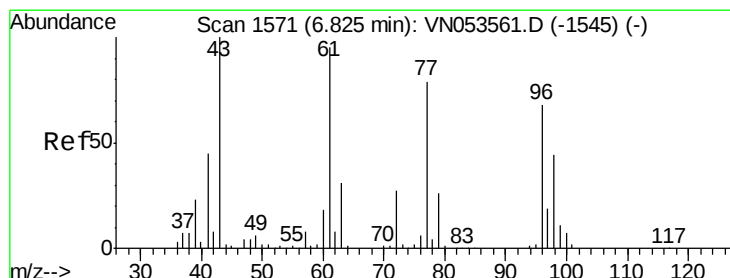
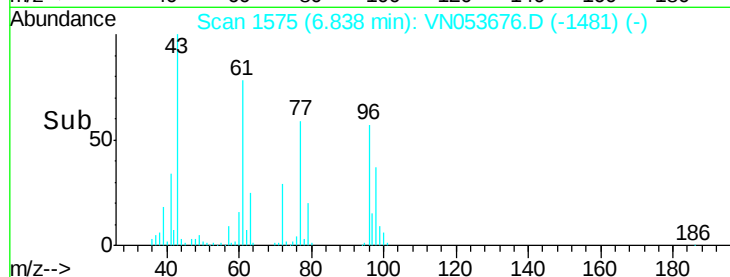
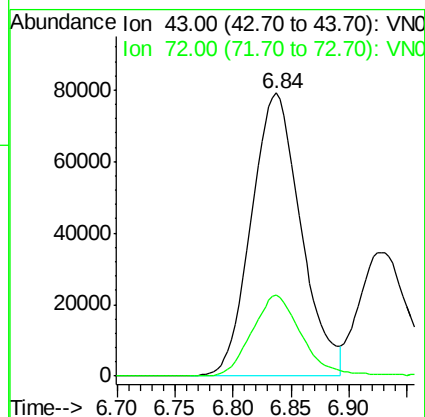
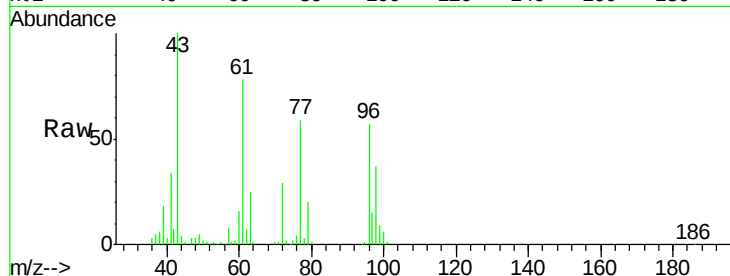
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 235061

Ion Ratio Lower Upper

43 100

72 28.7 22.0 33.0



#26

2,2-Dichloropropane

Concen: 18.737 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053676.D

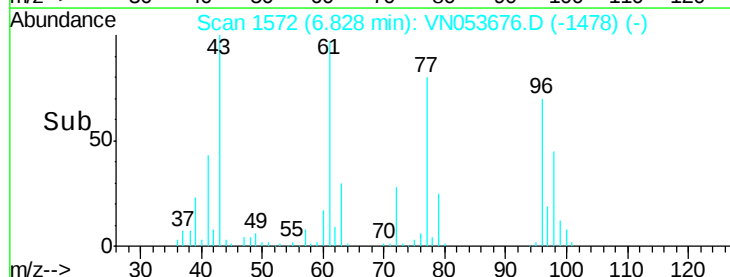
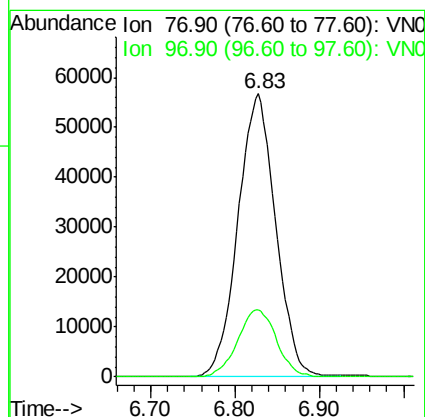
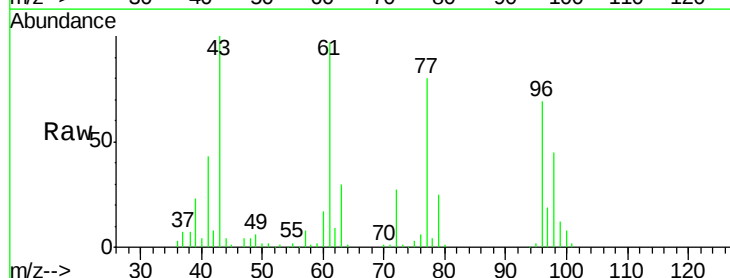
Acq: 8 Feb 2019 12:50

Tgt Ion: 77 Resp: 176163

Ion Ratio Lower Upper

77 100

97 24.6 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 19.306 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

Instrument :
MSVOA_N
ClientSampleId :

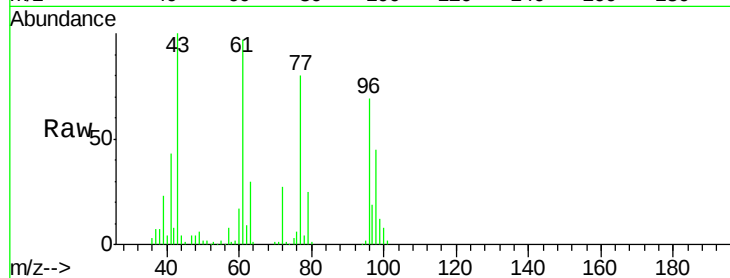
Tot Ion: 96 Resp: 144962

Ion Ratio Lower Upper

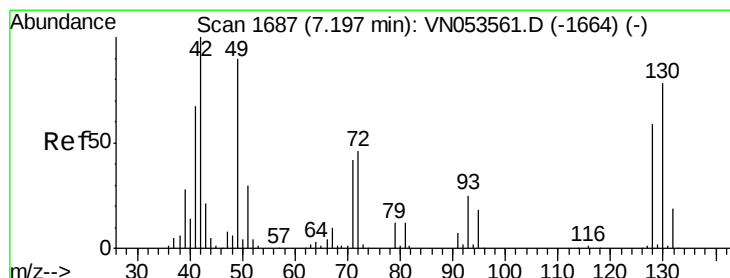
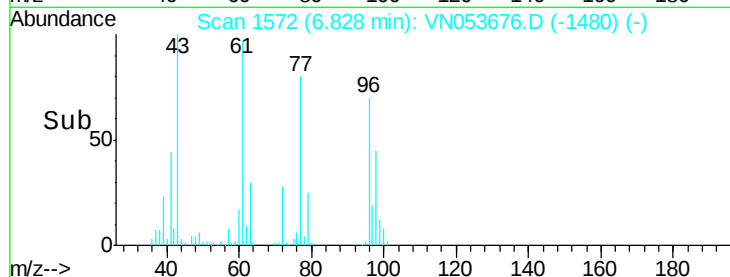
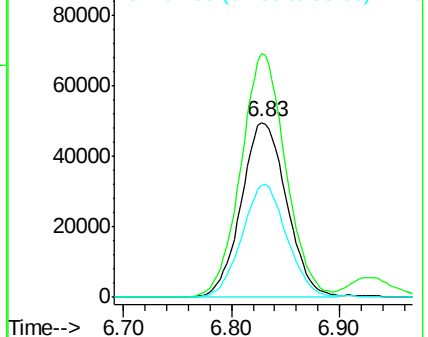
96 100

61 137.6 0.0 283.8

98 64.5 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 19.398 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

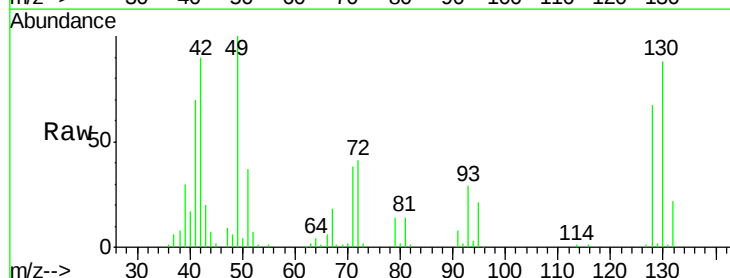
Tgt Ion: 49 Resp: 103679

Ion Ratio Lower Upper

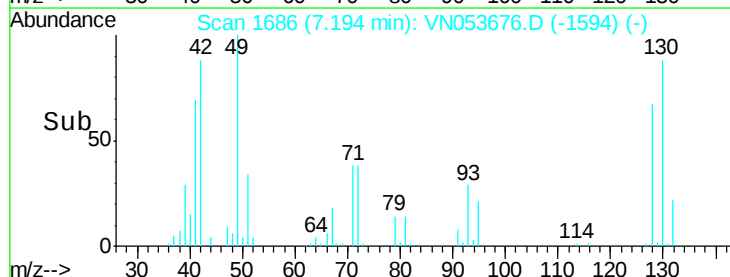
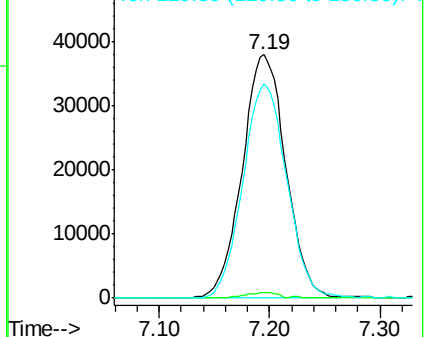
49 100

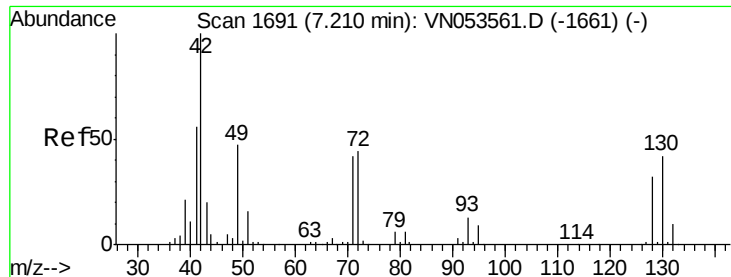
129 1.7 0.0 4.0

130 88.6 66.3 99.5



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

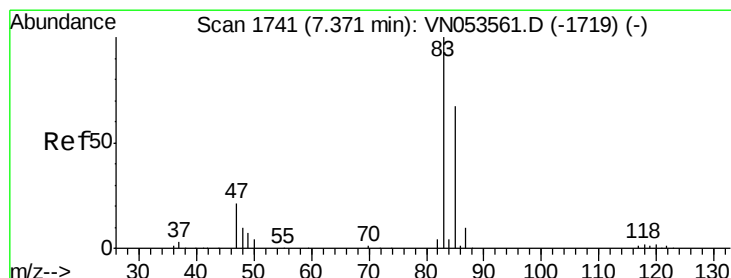
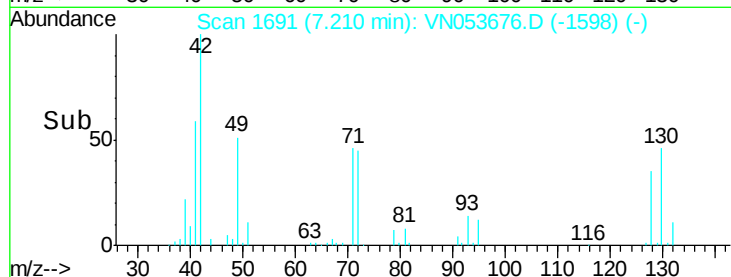
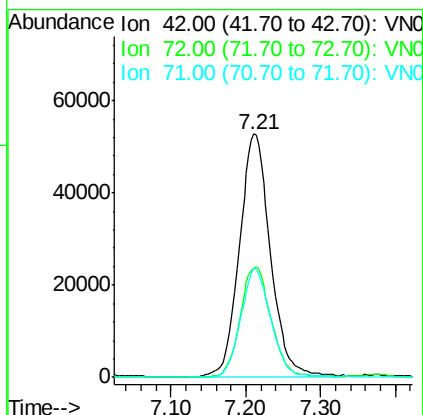
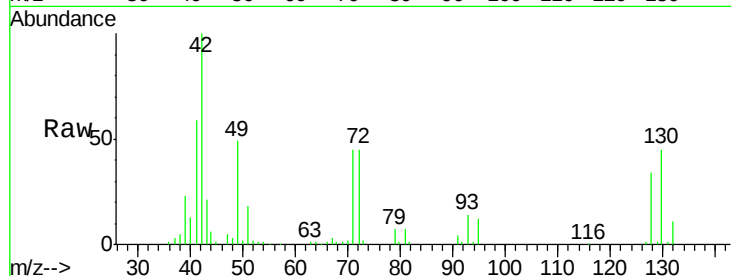




#29
Tetrahydrofuran
Concen: 95.945 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053676.D
Acq: 8 Feb 2019 12:50

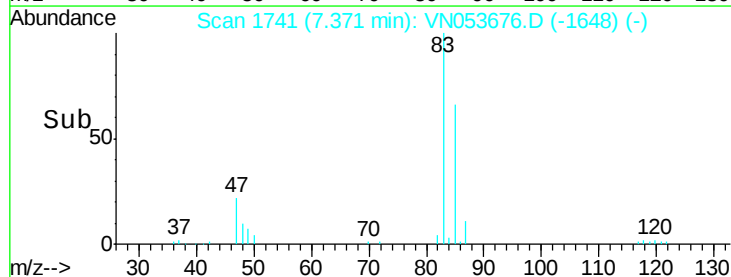
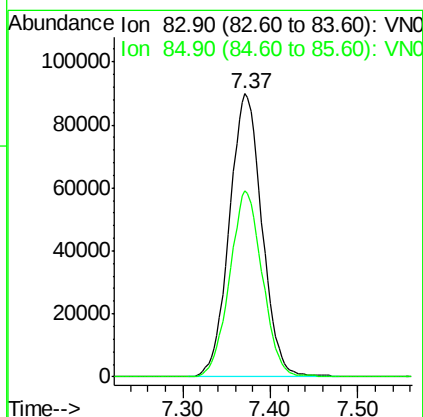
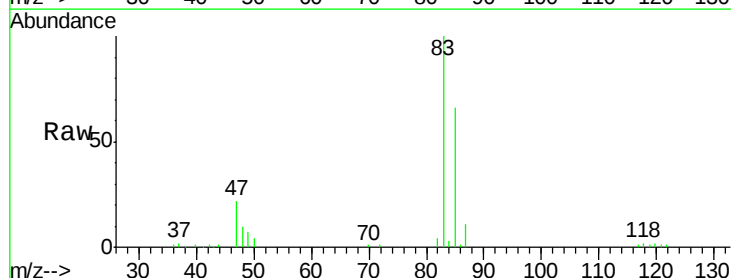
Instrument :
MSVOA_N
ClientSampled :

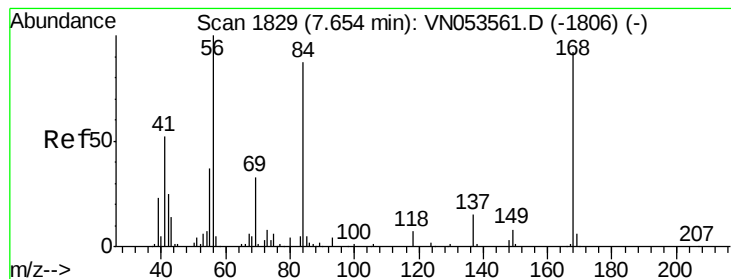
Tot Ion: 42 Resp: 152823
Ion Ratio Lower Upper
42 100
72 45.1 35.2 52.8
71 43.2 33.0 49.4



#30
Chloroform
Concen: 19.030 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053676.D
Acq: 8 Feb 2019 12:50

Tgt Ion: 83 Resp: 232337
Ion Ratio Lower Upper
83 100
85 65.7 52.2 78.2





#31

Cyclohexane

Concen: 18.107 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

Instrument :
MSVOA_N
ClientSampleId :

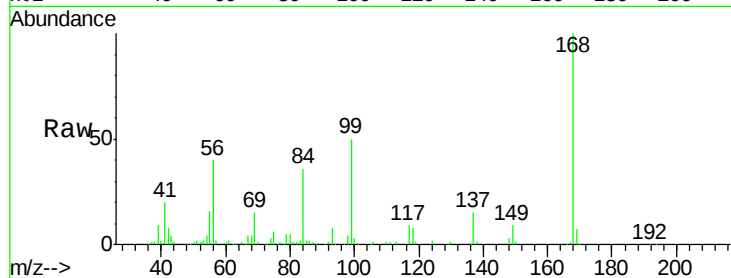
Tot Ion: 56 Resp: 208866

Ion Ratio Lower Upper

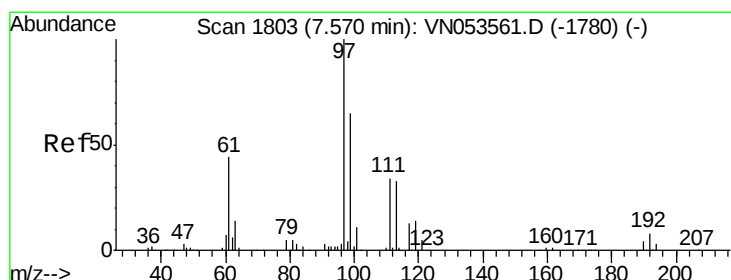
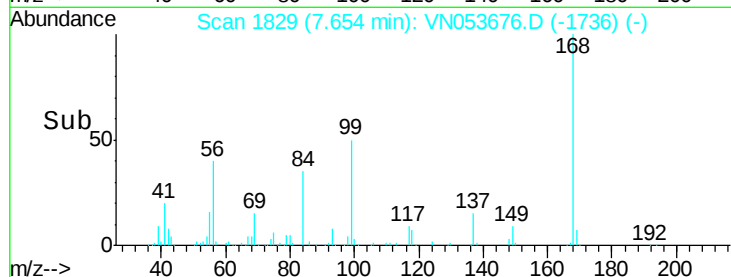
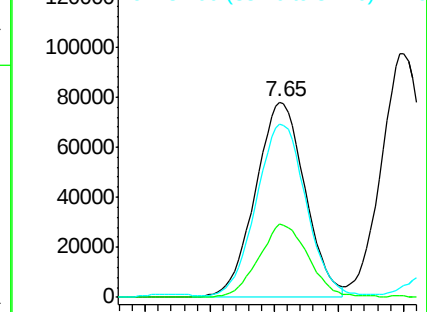
56 100

69 37.5 26.4 39.6

84 87.4 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: 19.287 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

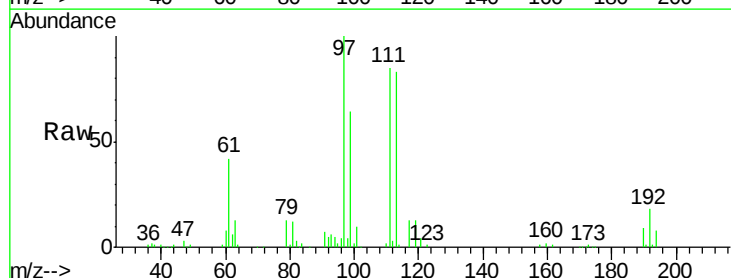
Tgt Ion: 97 Resp: 195966

Ion Ratio Lower Upper

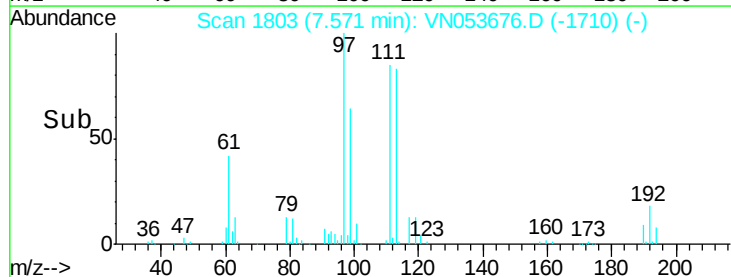
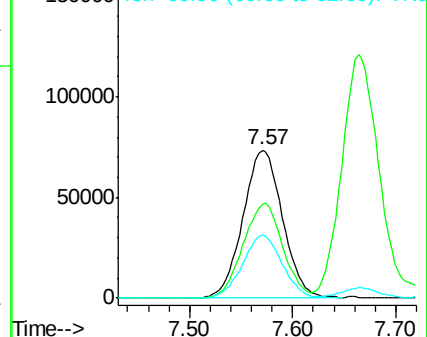
97 100

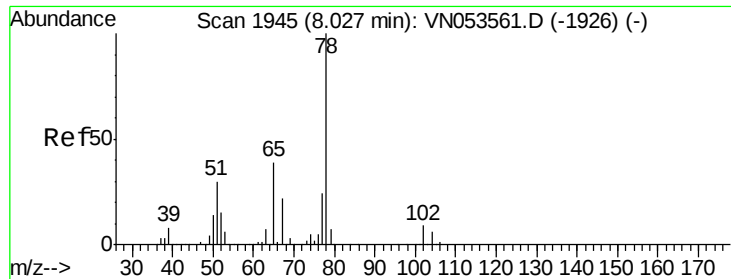
99 64.1 52.0 78.0

61 42.4 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: 19.287 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

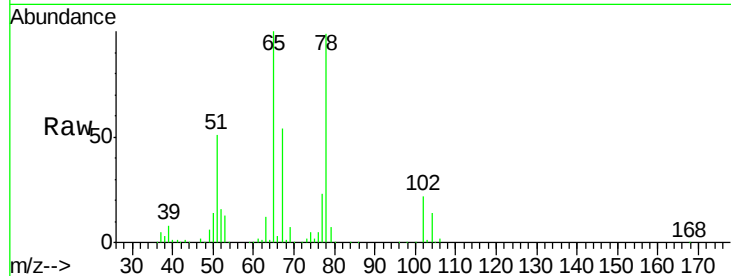
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 65 Resp: 328505

Ion Ratio Lower Upper

65 100

67 54.3 0.0 111.2



Abundance Ion 64.90 (64.60 to 65.60): VN053561.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN053561.D (-1926) (-)

8.03

150000

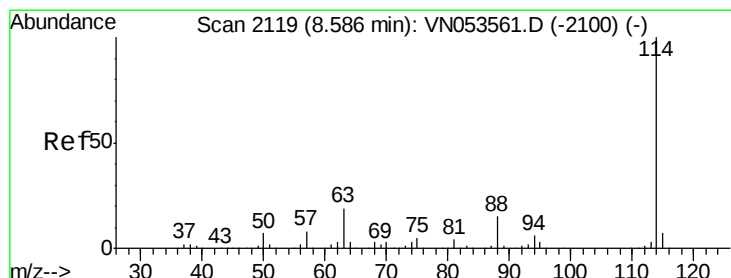
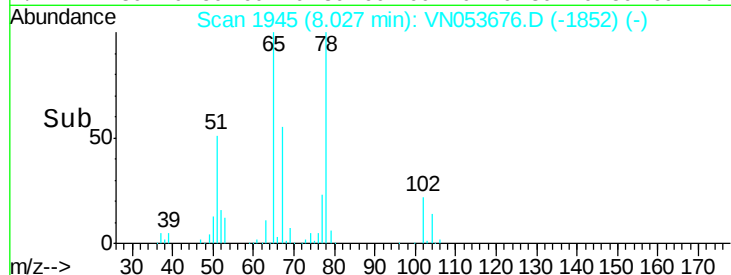
100000

50000

0

Time-->

7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

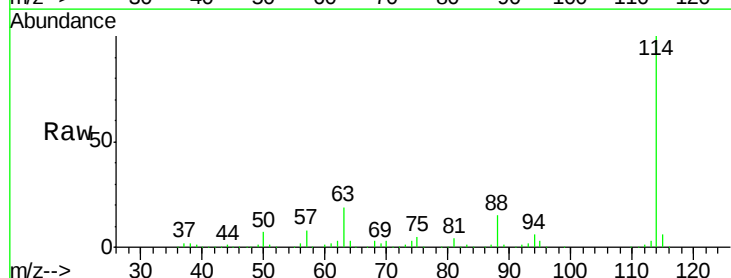
Tgt Ion: 114 Resp: 998568

Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.6

88 14.9 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): VN053561.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN053561.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN053561.D (-2100) (-)

8.59

600000

500000

400000

300000

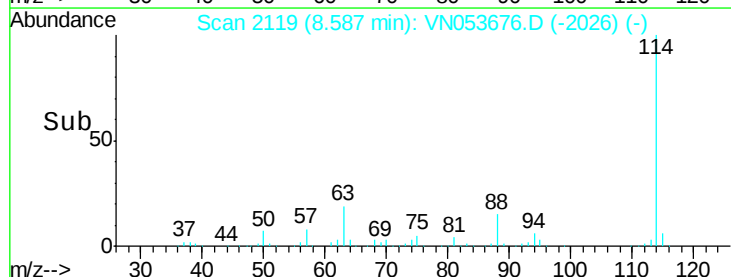
200000

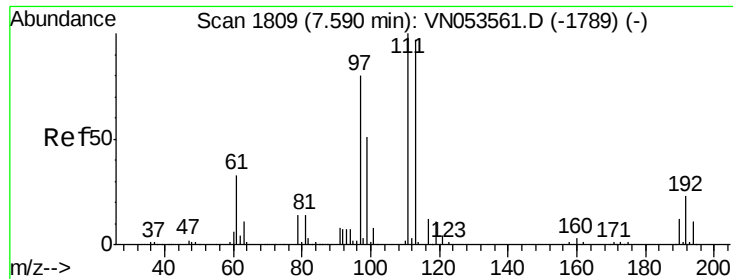
100000

0

Time-->

8.40 8.60 8.80

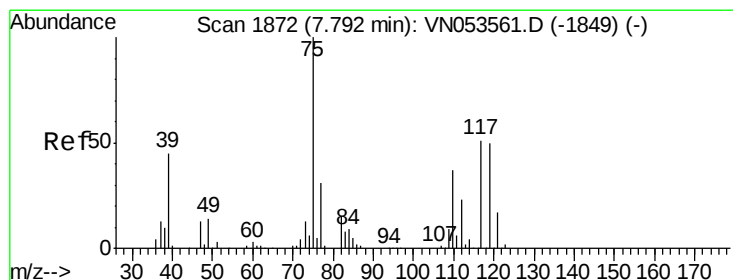
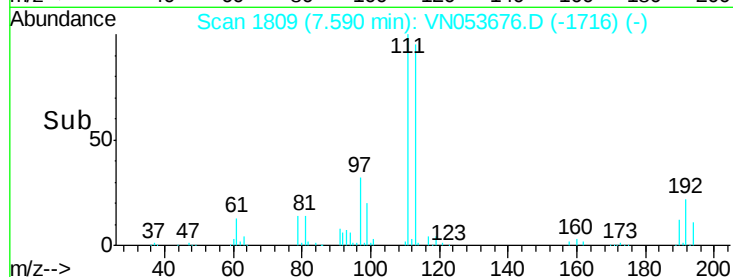
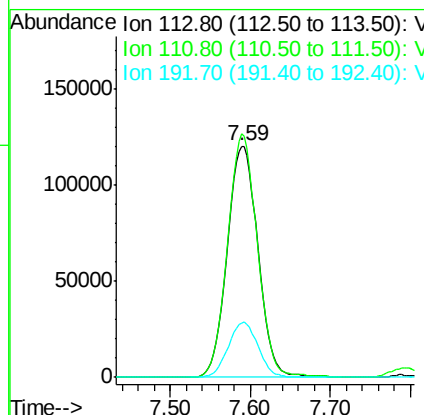
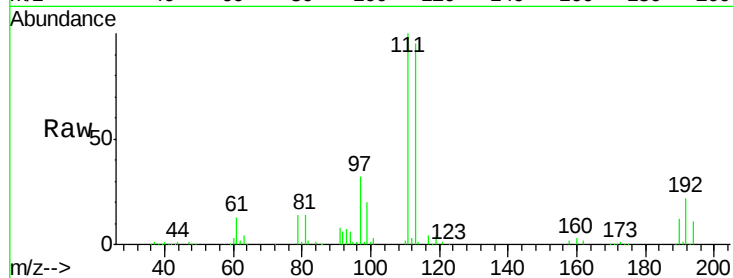




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053676.D
 Acq: 8 Feb 2019 12:50

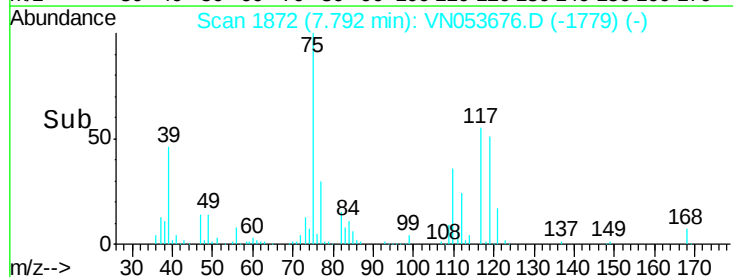
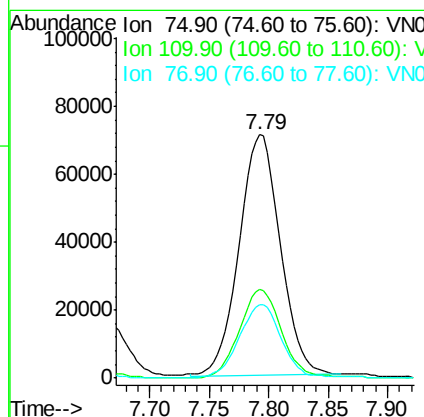
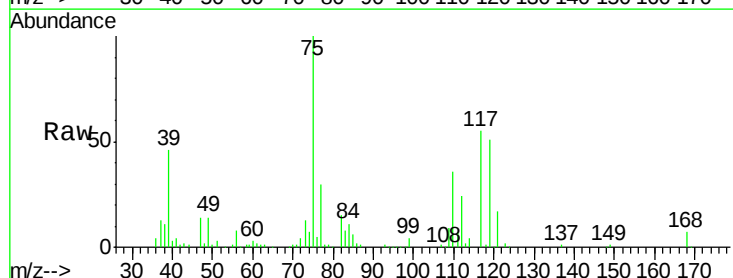
Instrument :
 MSVOA_N
 ClientSampleId :

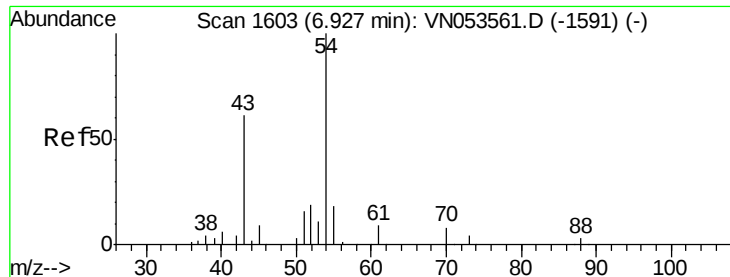
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.1	121.7
192	23.3	18.2	27.2



#36
 1,1-Dichloropropene
 Concen: 18.898 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053676.D
 Acq: 8 Feb 2019 12:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.7	18.1	54.3
77	31.3	25.1	37.7

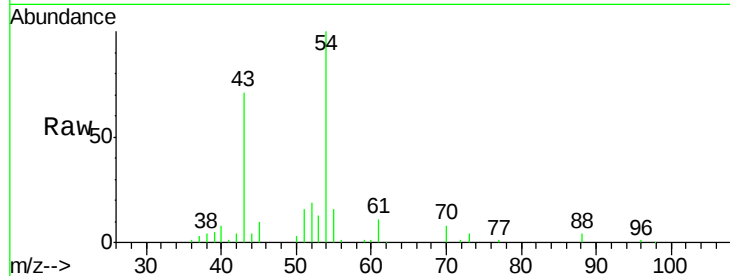




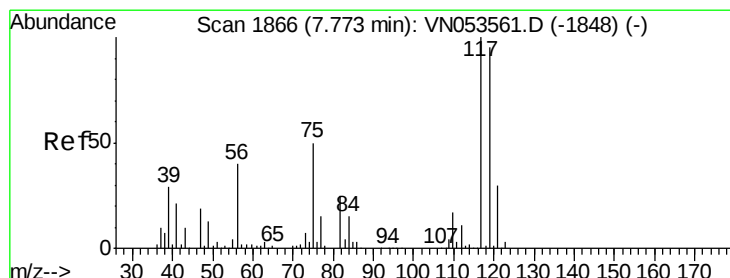
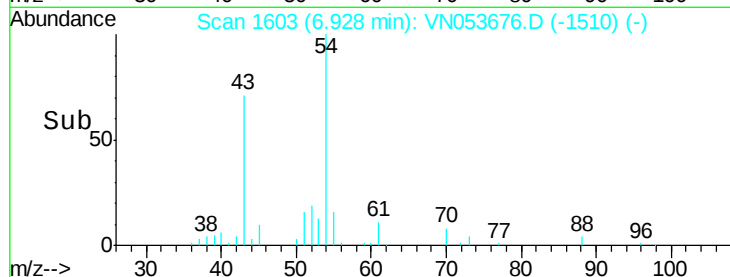
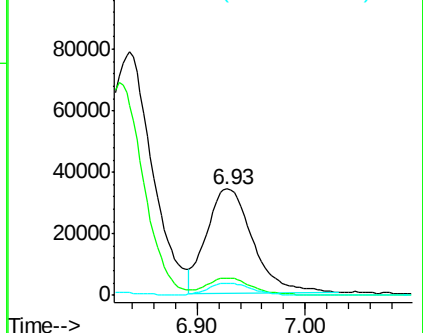
#37
Ethyl Acetate
Concen: 20.181 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053676.D
Acq: 8 Feb 2019 12:50

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 101457
Ion Ratio Lower Upper
43 100
61 16.7 11.8 17.6
70 10.1 8.6 12.8

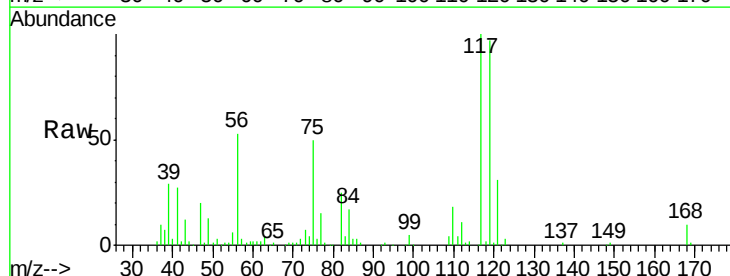


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

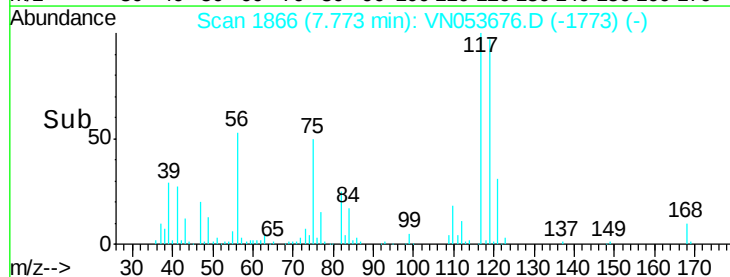
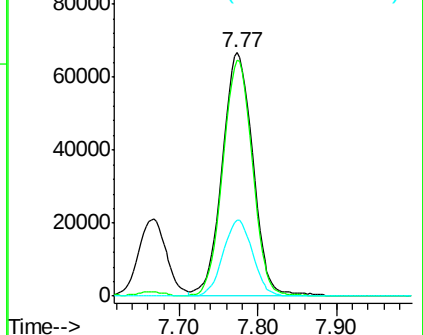


#38
Carbon Tetrachloride
Concen: 19.675 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN053676.D
Acq: 8 Feb 2019 12:50

Tgt Ion: 117 Resp: 178411
Ion Ratio Lower Upper
117 100
119 97.1 77.2 115.8
121 31.4 24.6 37.0



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

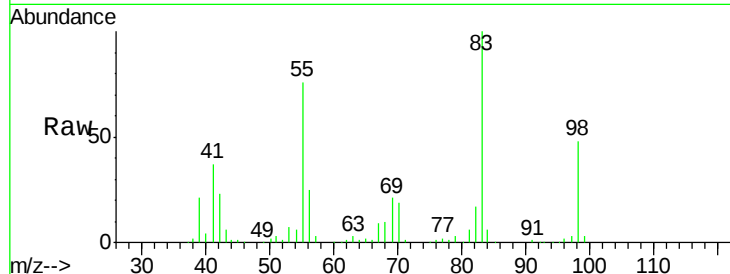




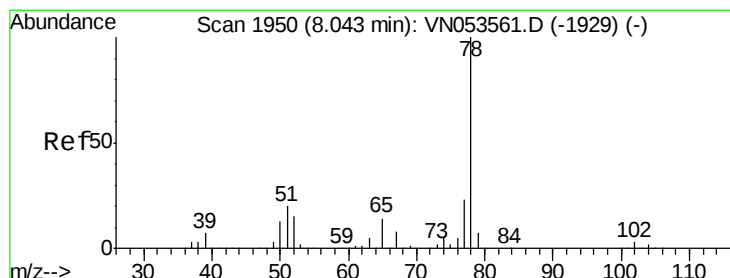
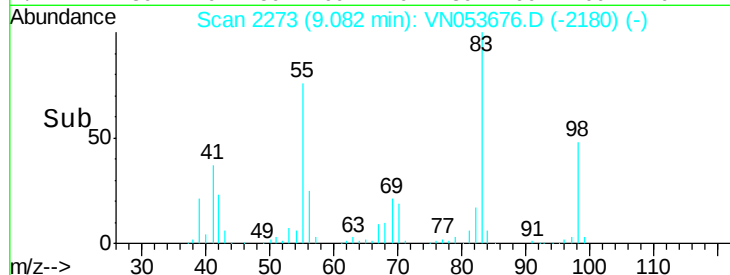
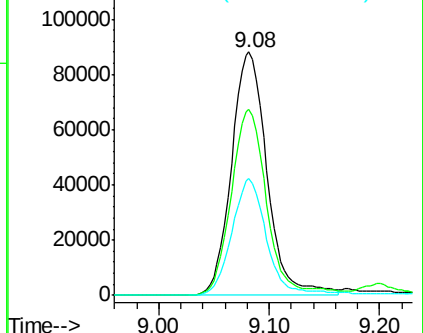
#39
Methvlcvclohexane
Concen: 18.483 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053676.D
Acq: 8 Feb 2019 12:50

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 197382
Ion Ratio Lower Upper
83 100
55 76.4 60.1 90.1
98 47.8 36.6 55.0

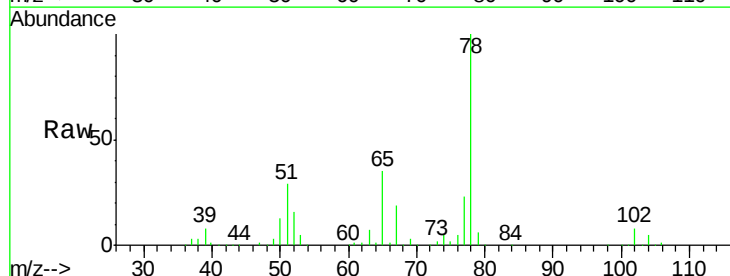


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

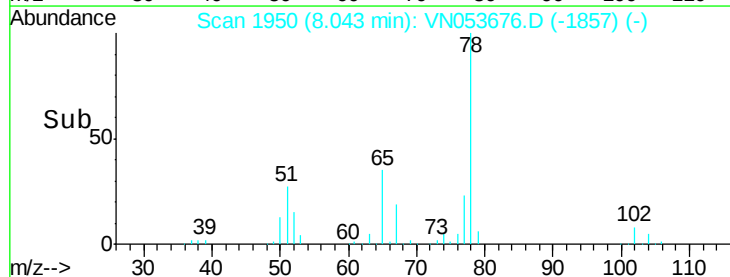
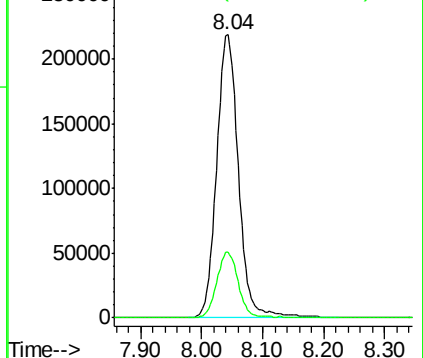


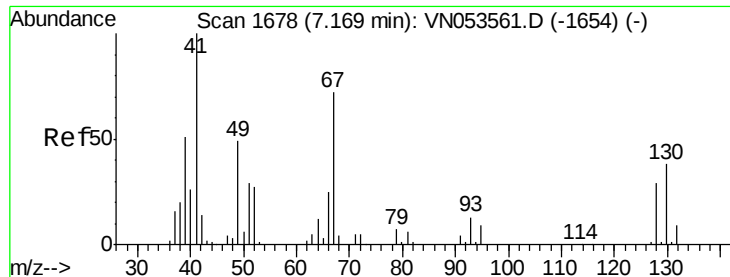
#40
Benzene
Concen: 19.561 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053676.D
Acq: 8 Feb 2019 12:50

Tgt Ion: 78 Resp: 542980
Ion Ratio Lower Upper
78 100
77 23.1 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





#41

Methacrylonitrile

Concen: 15.433 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 41 Resp: 43364

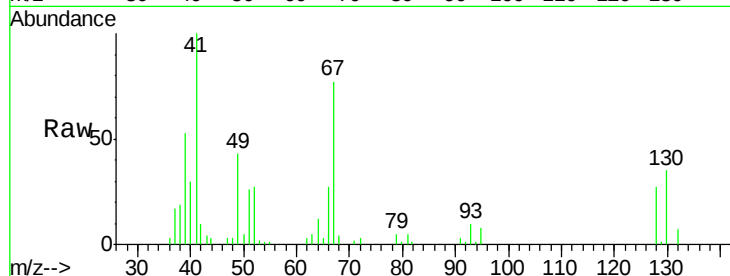
Ion Ratio Lower Upper

41 100

39 53.5 46.8 70.2

67 115.1 63.0 94.6#

52 44.7 23.8 35.8#

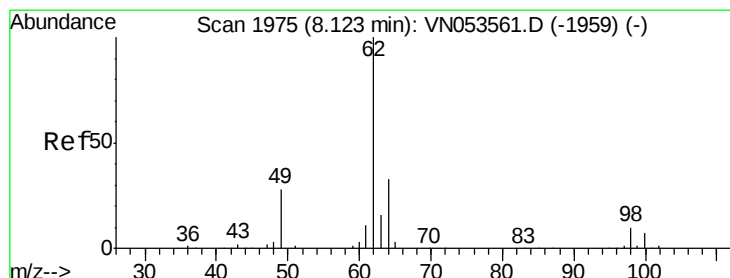
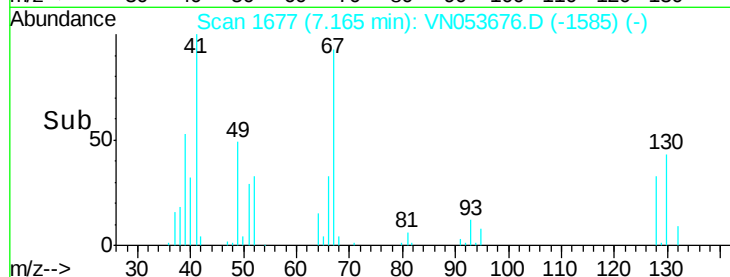
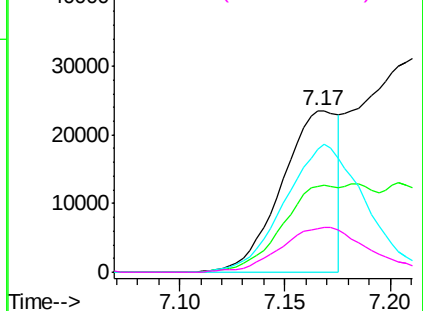


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 19.647 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VN053676.D

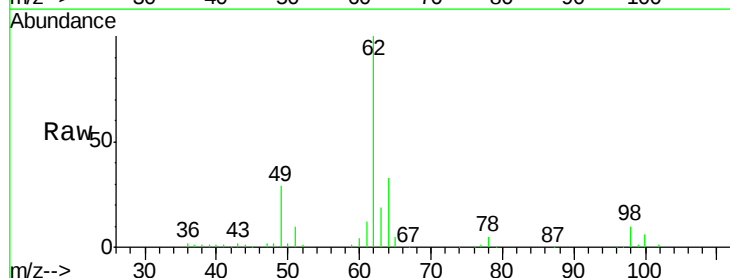
Acq: 8 Feb 2019 12:50

Tgt Ion: 62 Resp: 161934

Ion Ratio Lower Upper

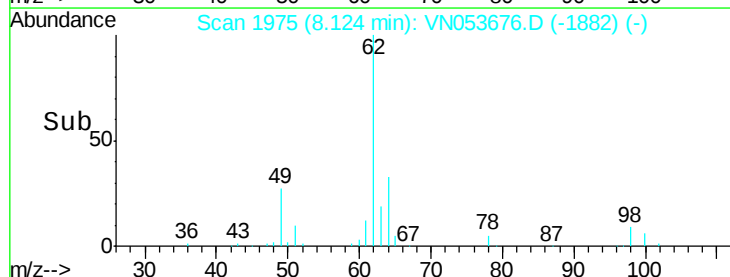
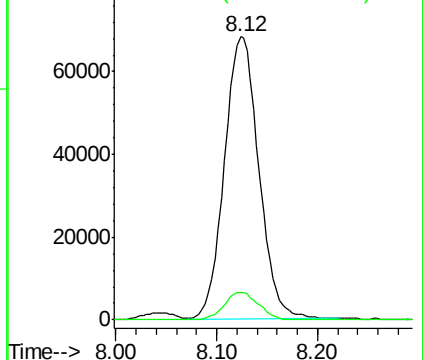
62 100

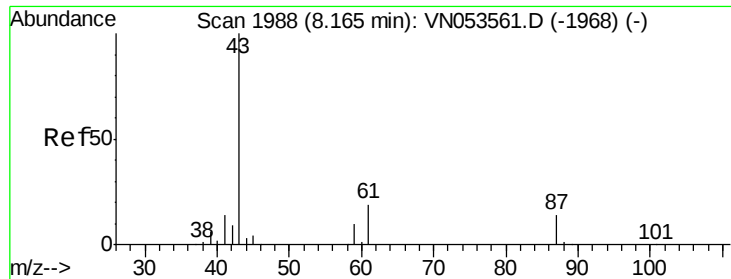
98 9.8 0.0 19.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 19.511 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

Instrument :
MSVOA_N
ClientSampleId :

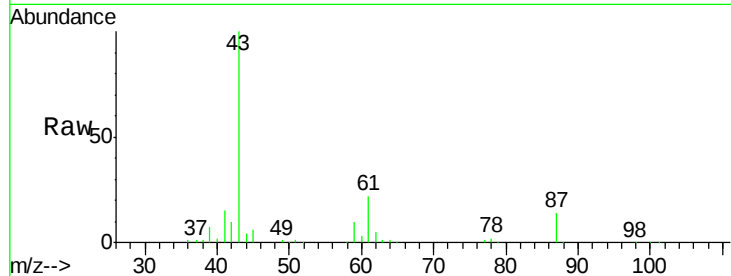
Tot Ion: 43 Resp: 189434

Ion Ratio Lower Upper

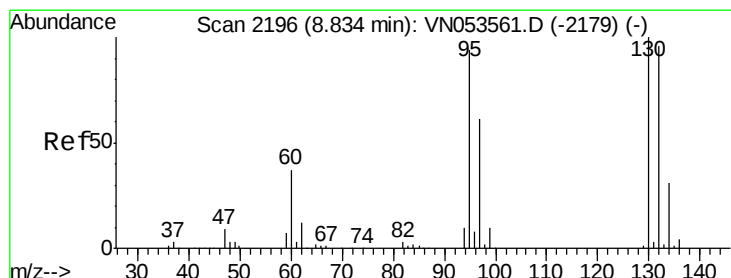
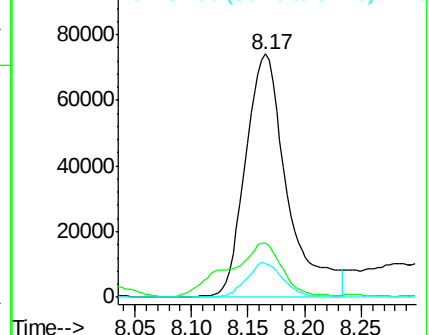
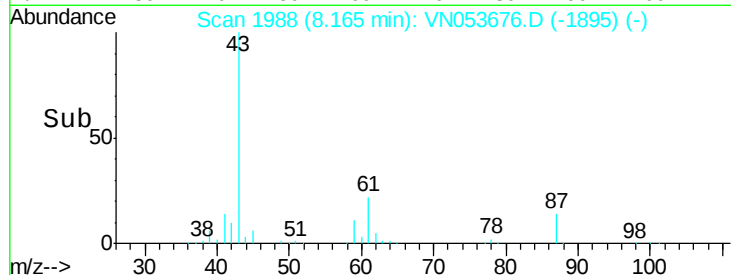
43 100

61 28.0 23.9 35.9

87 12.8 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VN053676.D (-1895) (-)



#44

Trichloroethene

Concen: 19.298 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN053676.D

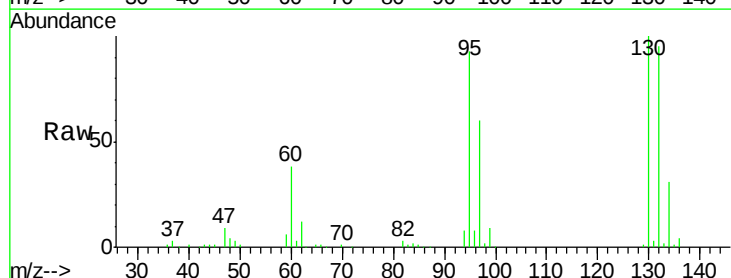
Acq: 8 Feb 2019 12:50

Tgt Ion: 130 Resp: 152505

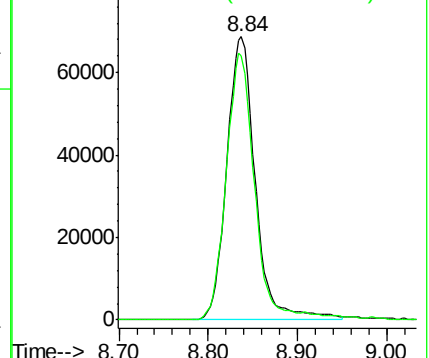
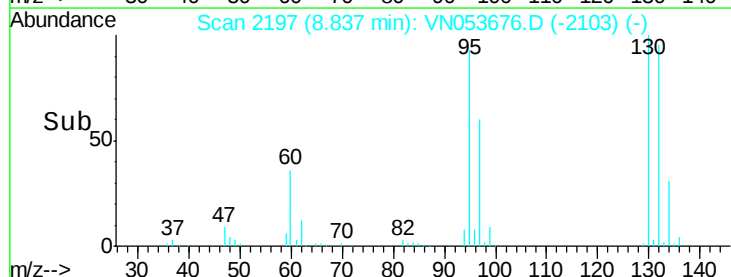
Ion Ratio Lower Upper

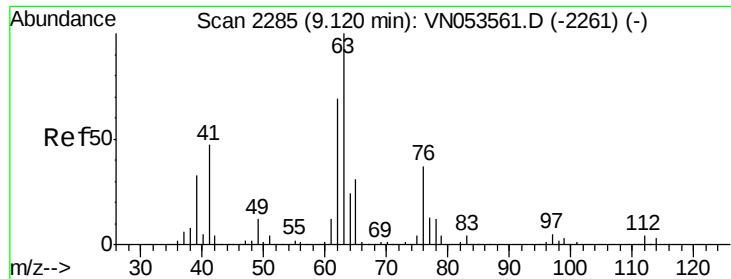
130 100

95 93.4 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): VN053676.D (-2103) (-)

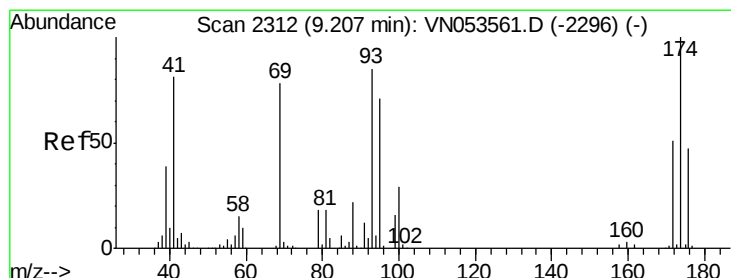
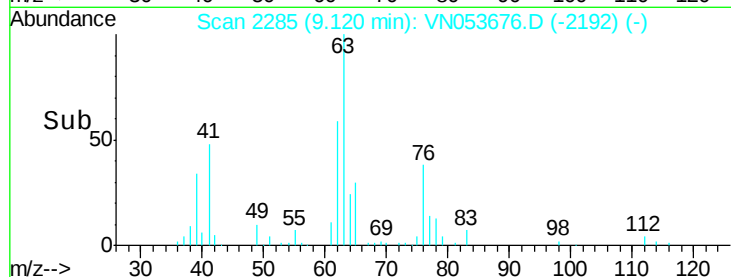
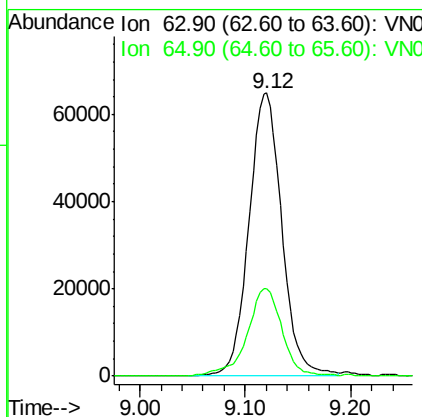
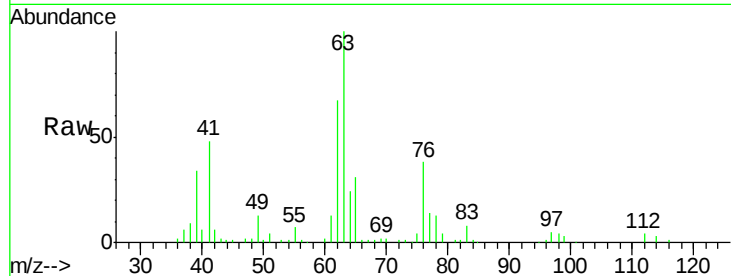




#45
 1,2-Dichloropropane
 Concen: 19.908 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053676.D
 Acq: 8 Feb 2019 12:50

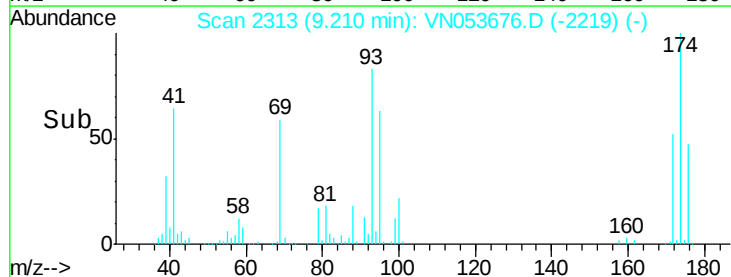
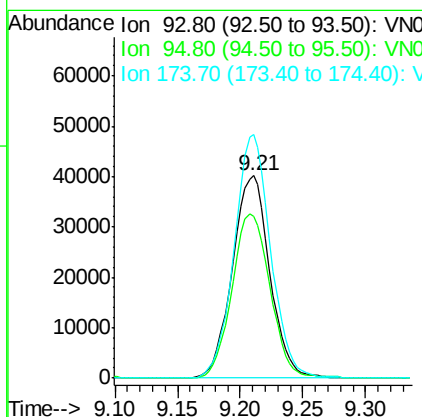
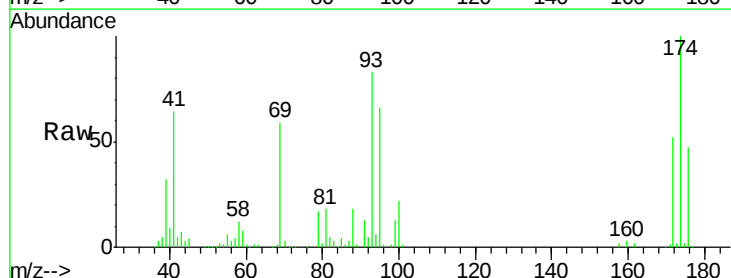
Instrument :
 MSVOA_N
 ClientSampled :

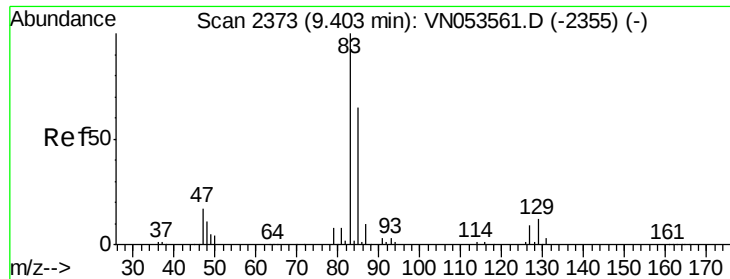
Tot Ion: 63 Resp: 141345
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.0 37.4



#46
 Dibromomethane
 Concen: 19.449 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053676.D
 Acq: 8 Feb 2019 12:50

Tgt Ion: 93 Resp: 83238
 Ion Ratio Lower Upper
 93 100
 95 82.8 67.3 100.9
 174 117.3 91.0 136.4

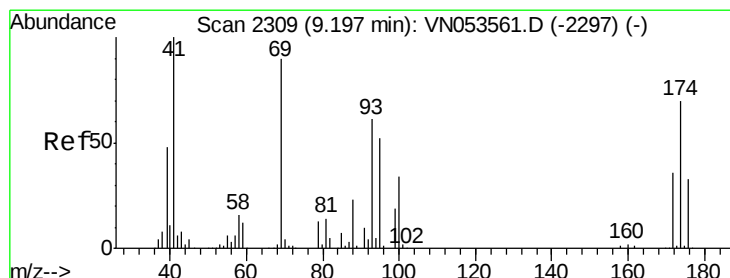
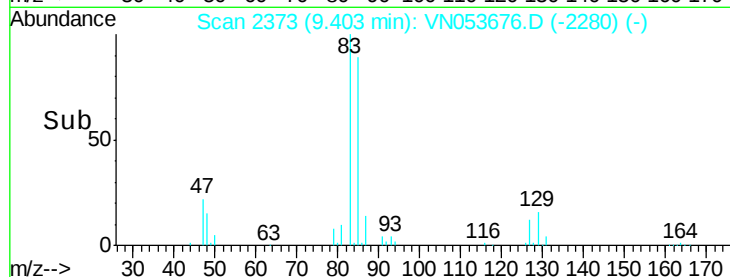
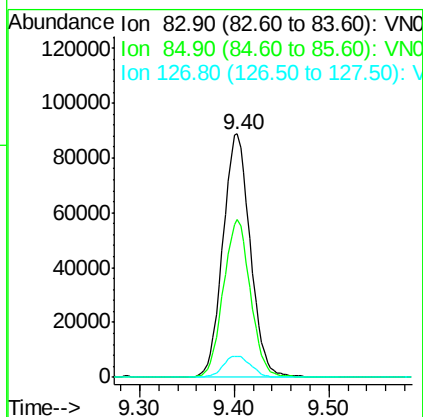
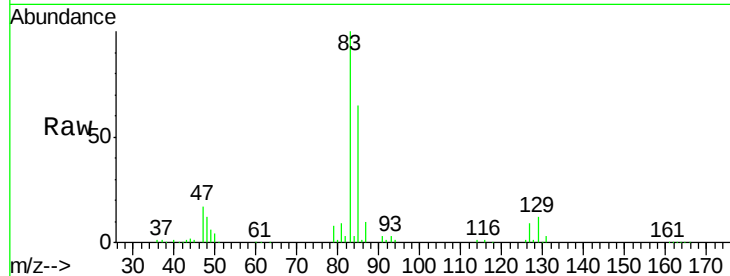




#47
Bromodichloromethane
Concen: 20.045 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053676.D
Acq: 8 Feb 2019 12:50

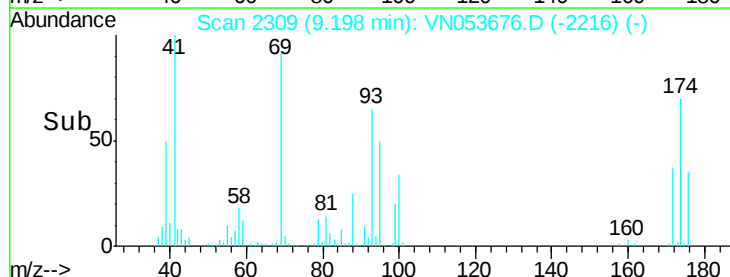
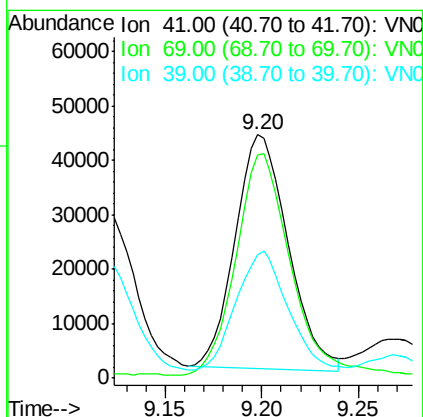
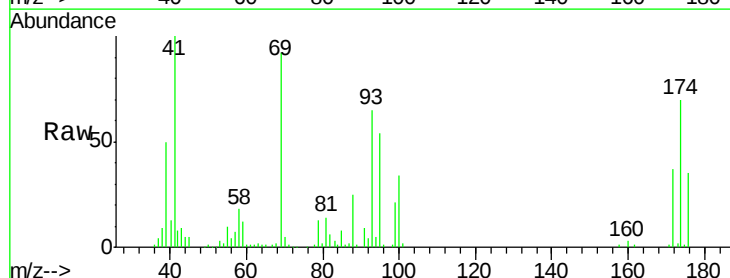
Instrument :
MSVOA_N
ClientSampled :

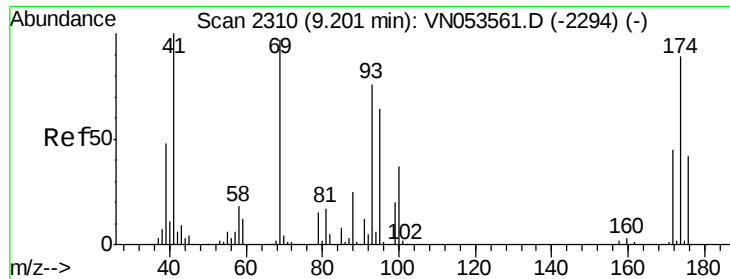
Tot Ion: 83 Resp: 178373
Ion Ratio Lower Upper
83 100
85 64.8 51.0 76.6
127 8.7 7.0 10.6



#48
Methyl methacrylate
Concen: 17.671 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN053676.D
Acq: 8 Feb 2019 12:50

Tgt Ion: 41 Resp: 81898
Ion Ratio Lower Upper
41 100
69 102.1 73.8 110.6
39 57.4 40.0 60.0





#49

1,4-Dioxane

Concen: 400.430 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

Instrument :
MSVOA_N
ClientSampled :

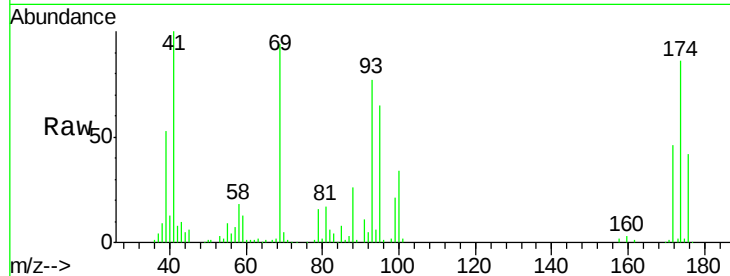
Tot Ion: 88 Resp: 25252

Ion Ratio Lower Upper

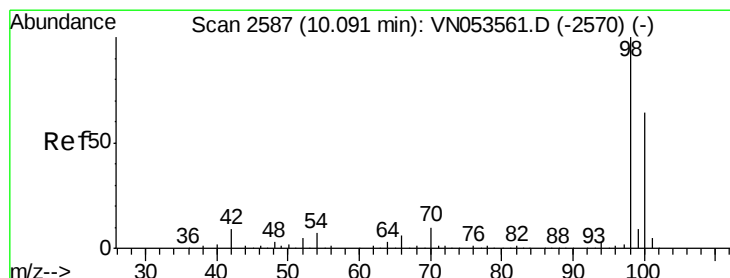
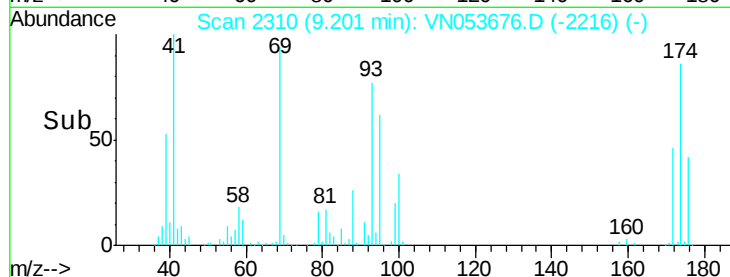
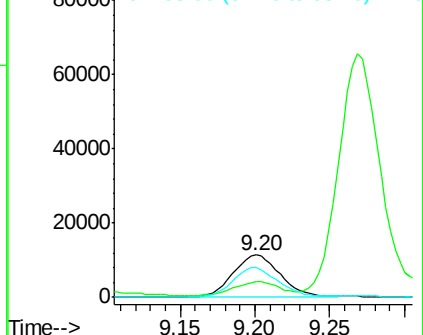
88 100

43 30.9 27.8 41.6

58 67.8 56.5 84.7



Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 400.430 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053676.D

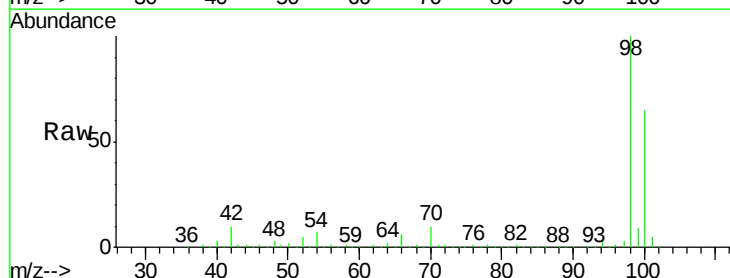
Acq: 8 Feb 2019 12:50

Tgt Ion: 98 Resp: 1146534

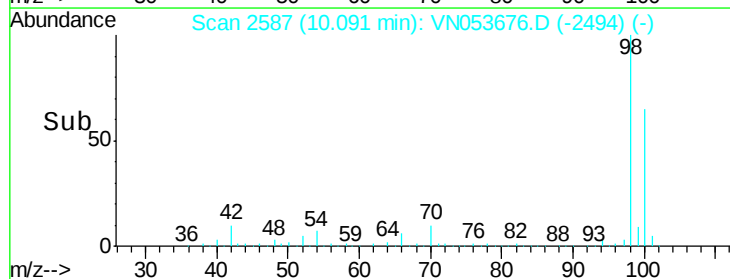
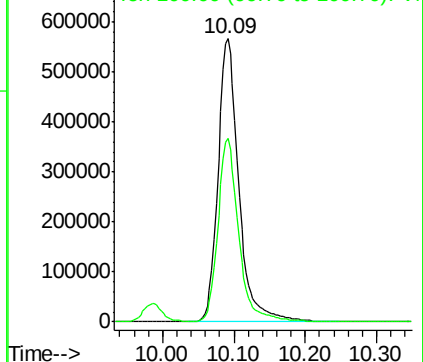
Ion Ratio Lower Upper

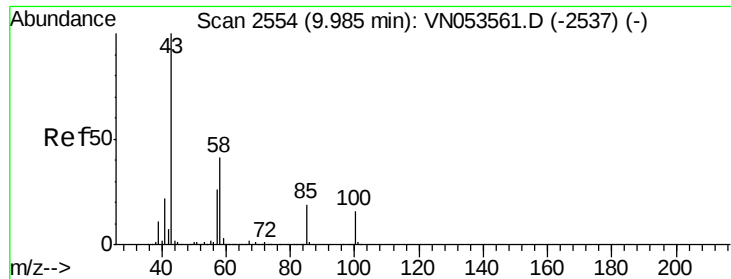
98 100

100 64.8 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 99.133 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

Instrument :

MSVOA_N

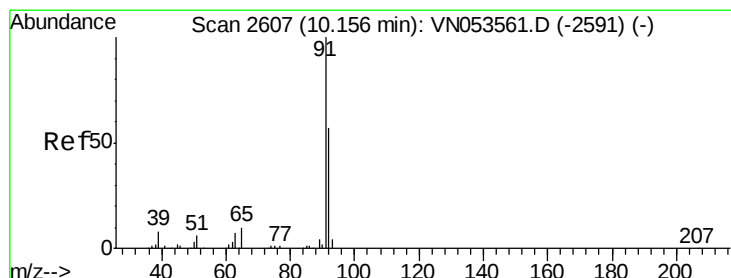
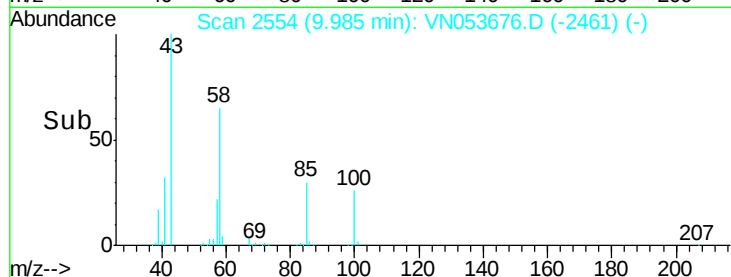
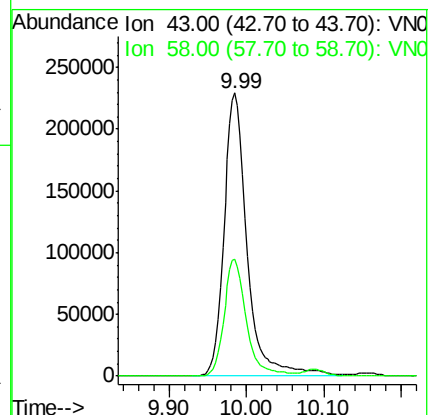
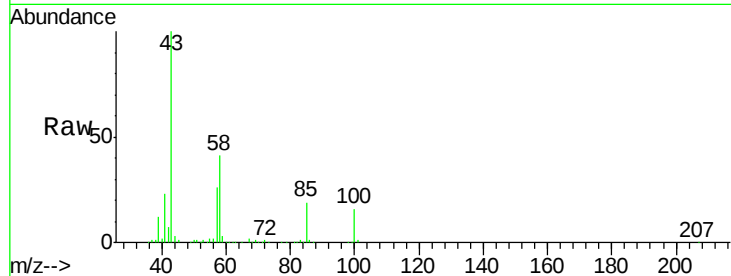
ClientSampled :

Tot Ion: 43 Resp: 472961

Ion Ratio Lower Upper

43 100

58 40.1 32.8 49.2



#52

Toluene

Concen: 19.790 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053676.D

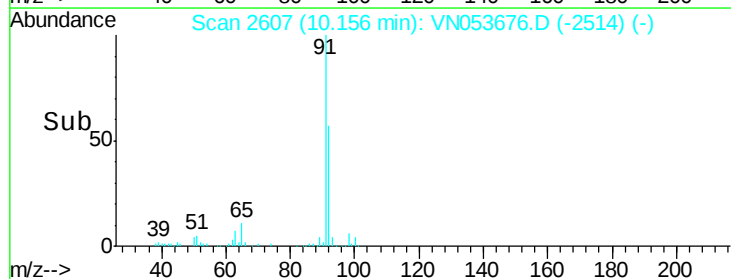
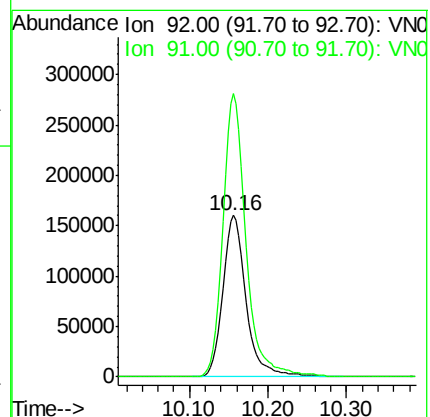
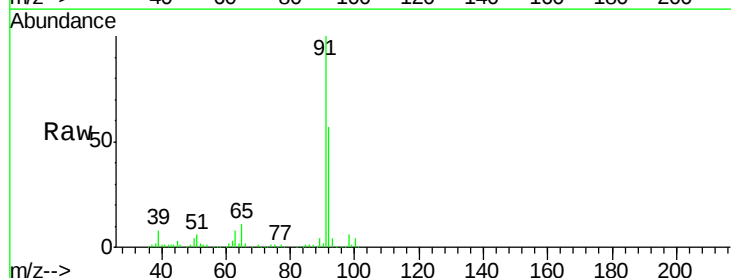
Acq: 8 Feb 2019 12:50

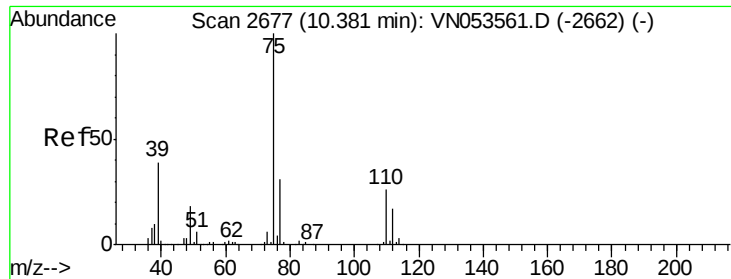
Tgt Ion: 92 Resp: 326023

Ion Ratio Lower Upper

92 100

91 173.9 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 18.839 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

Instrument :

MSVOA_N

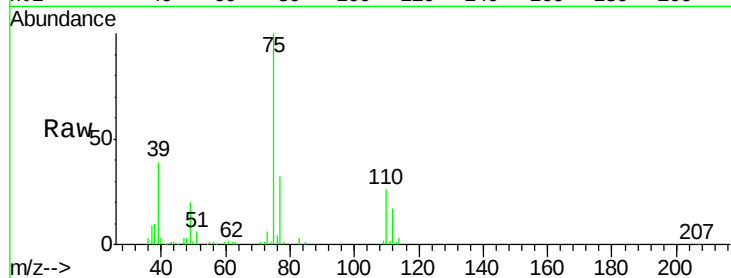
ClientSampled :

Tot Ion: 75 Resp: 167871

Ion Ratio Lower Upper

75 100

77 32.2 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

80000

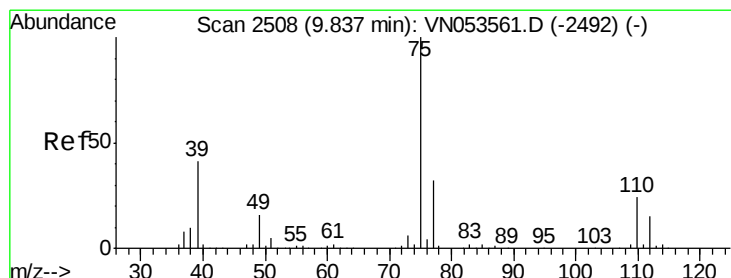
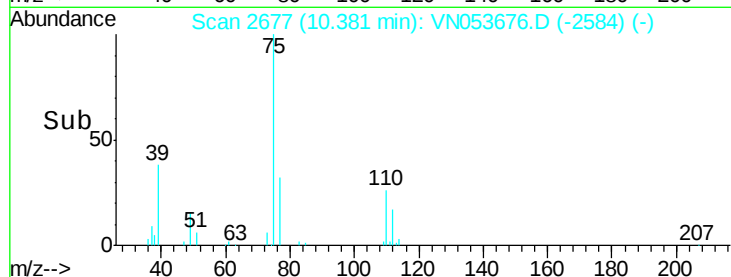
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.383 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

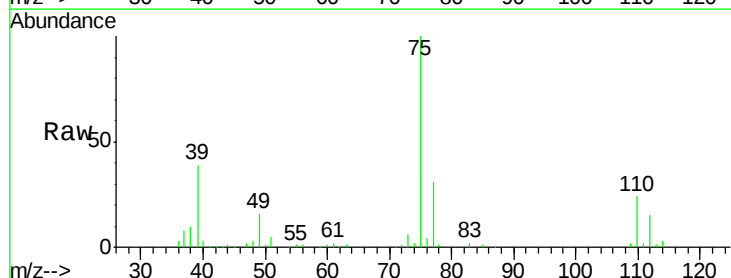
Tgt Ion: 75 Resp: 204669

Ion Ratio Lower Upper

75 100

77 30.8 25.8 38.6

39 39.3 33.4 50.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

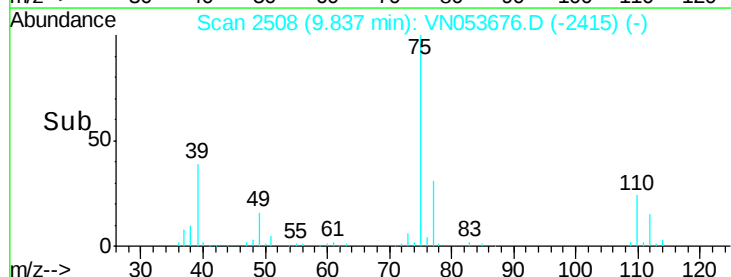
150000

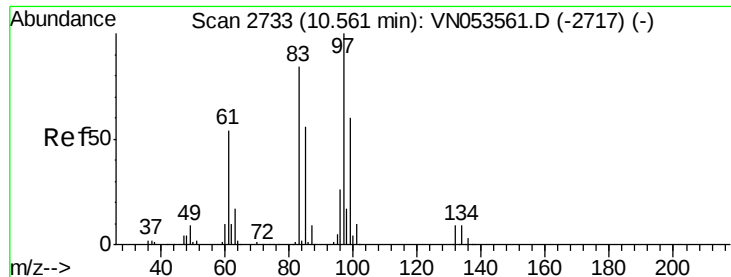
100000

50000

0

Time-->

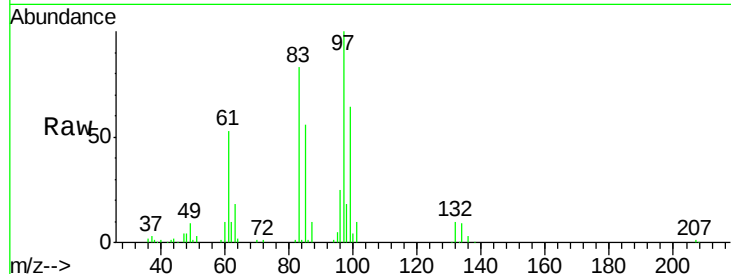




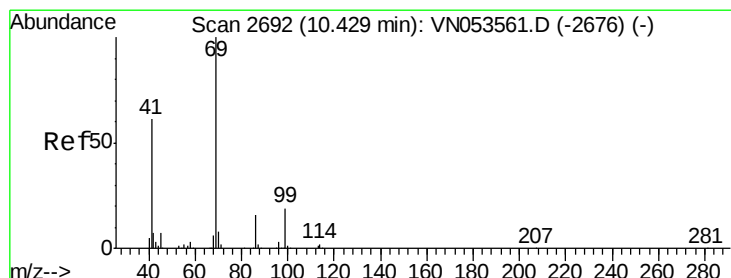
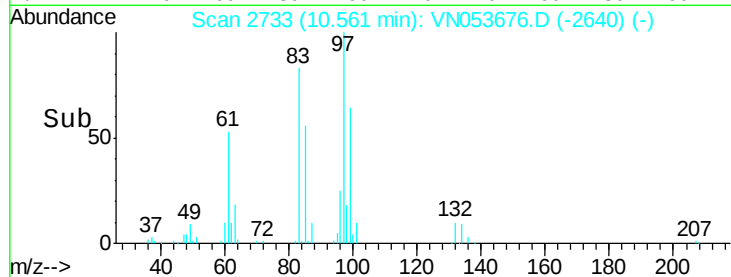
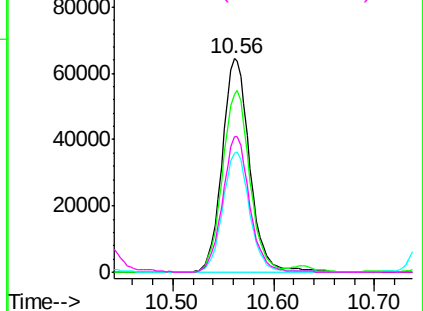
#55
 1,1,2-Trichloroethane
 Concen: 20.684 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053676.D
 Acq: 8 Feb 2019 12:50

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 97 Resp: 122791
 Ion Ratio Lower Upper
 97 100
 83 83.3 70.1 105.1
 85 55.8 45.4 68.0
 99 63.5 49.8 74.8

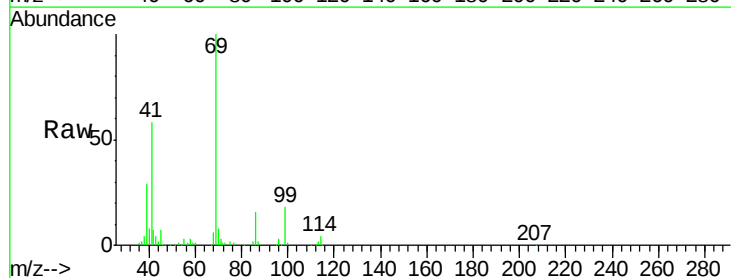


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

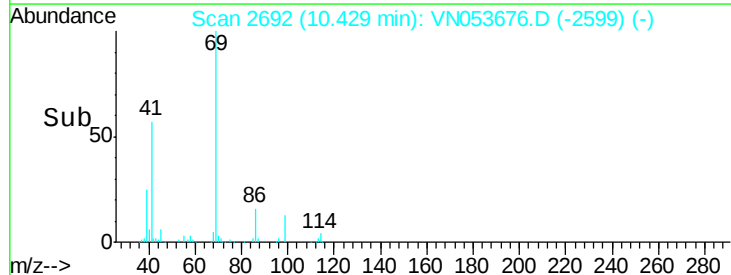
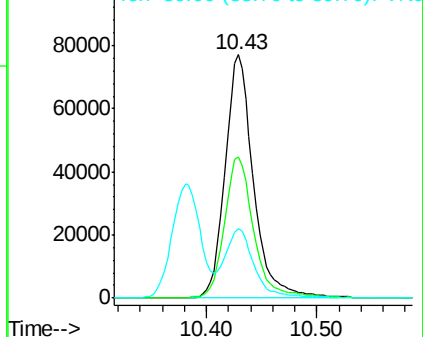


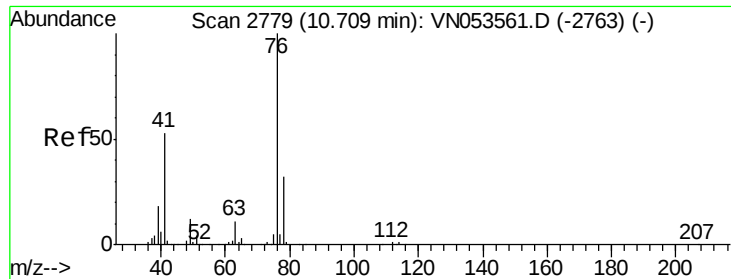
#56
 Ethyl methacrylate
 Concen: 19.535 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053676.D
 Acq: 8 Feb 2019 12:50

Tgt Ion: 69 Resp: 137191
 Ion Ratio Lower Upper
 69 100
 41 59.2 49.4 74.0
 39 28.6 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

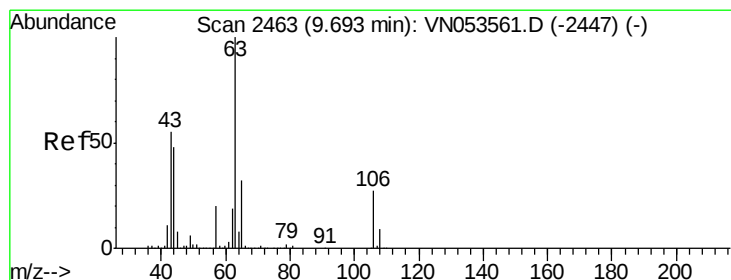
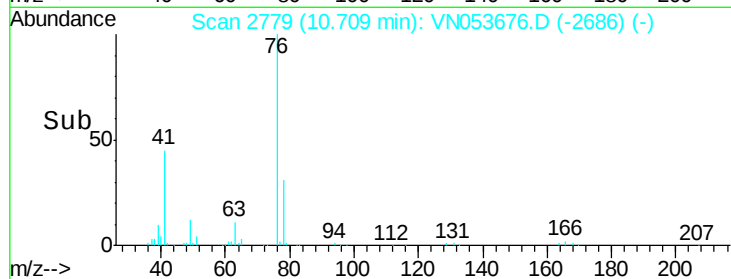
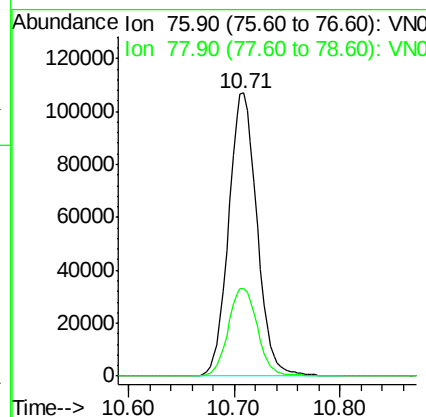
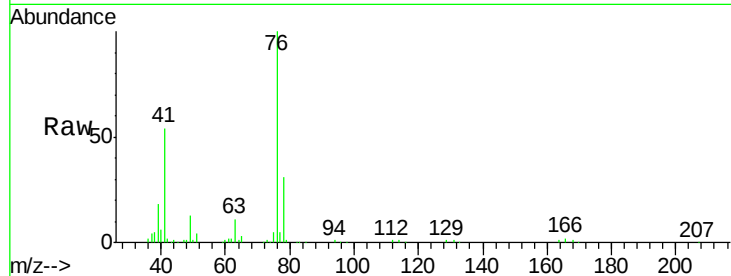




#57
 1,3-Dichloropropane
 Concen: 19.628 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN053676.D
 Acq: 8 Feb 2019 12:50

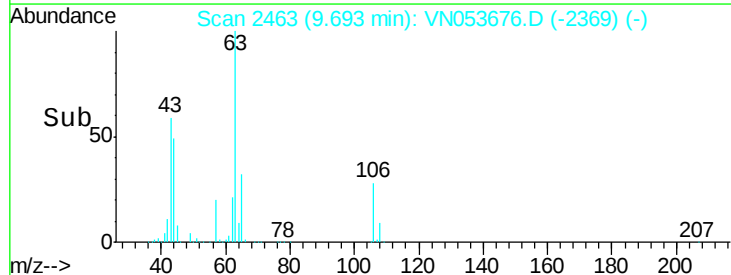
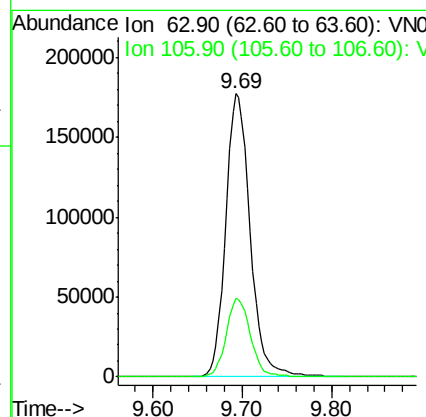
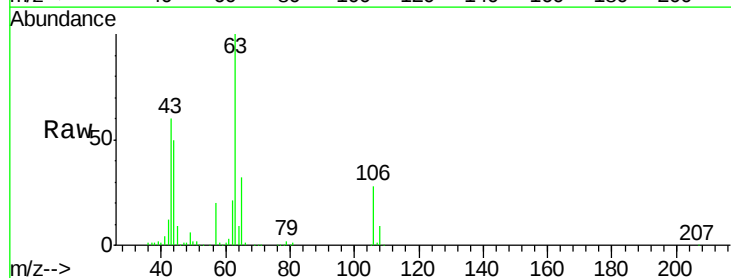
Instrument :
 MSVOA_N
 ClientSampled :

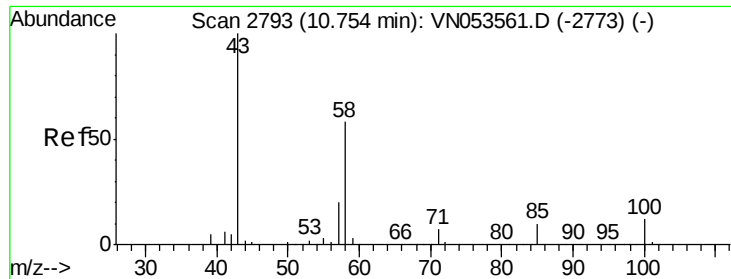
Tot Ion: 76 Resp: 199135
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 82.826 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN053676.D
 Acq: 8 Feb 2019 12:50

Tgt Ion: 63 Resp: 336636
 Ion Ratio Lower Upper
 63 100
 106 27.5 21.5 32.3

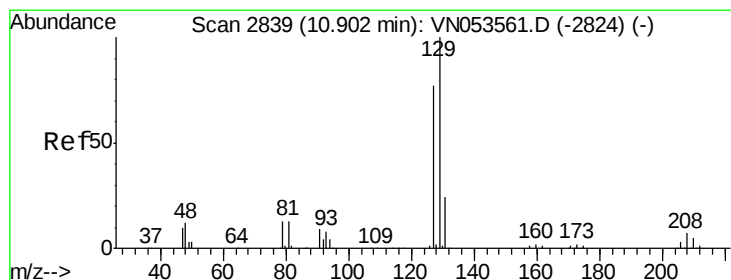
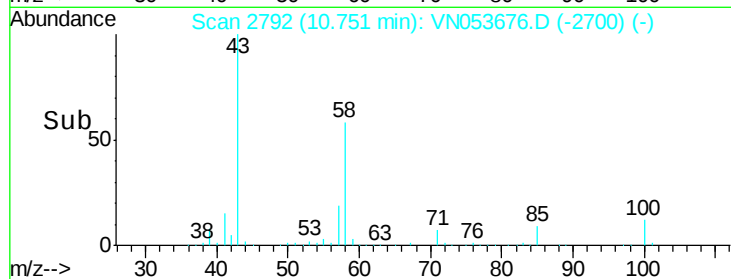
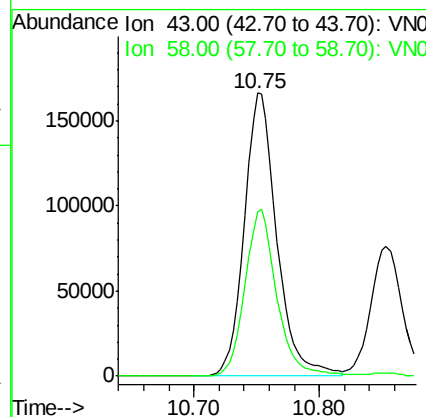
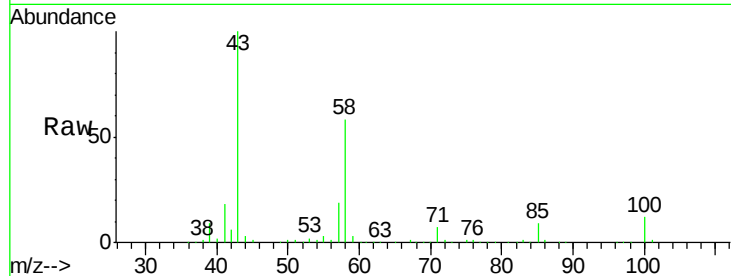




#59
2-Hexanone
Concen: 92.011 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053676.D
Acq: 8 Feb 2019 12:50

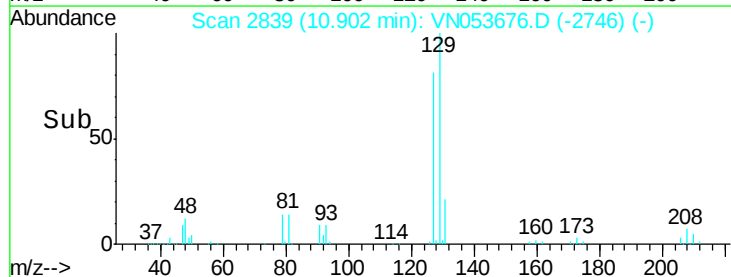
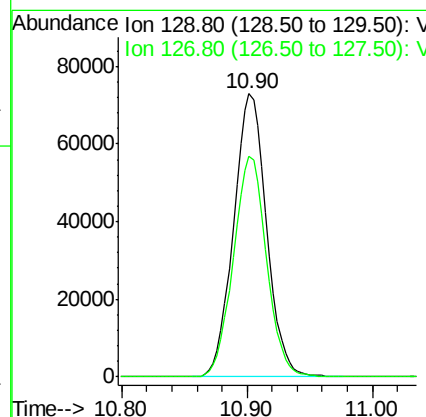
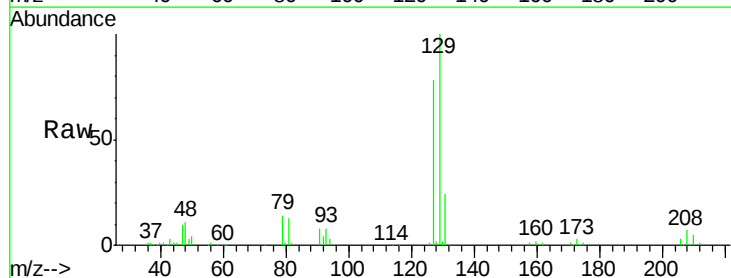
Instrument :
MSVOA_N
ClientSampled :

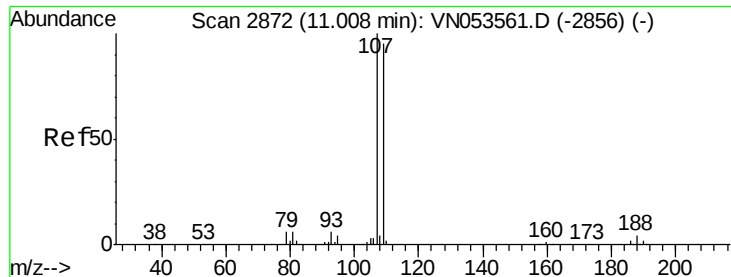
Tot Ion: 43 Resp: 298011
Ion Ratio Lower Upper
43 100
58 58.1 28.6 85.8



#60
Dibromochloromethane
Concen: 19.824 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053676.D
Acq: 8 Feb 2019 12:50

Tgt Ion: 129 Resp: 132706
Ion Ratio Lower Upper
129 100
127 78.6 38.6 115.8

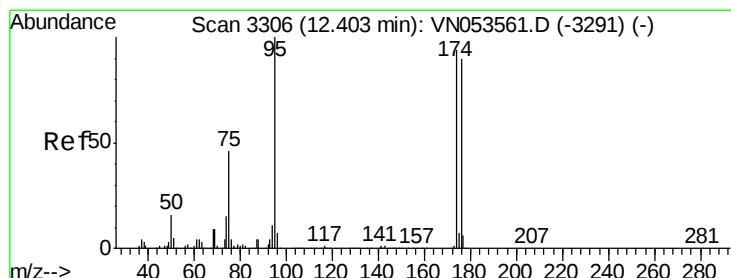
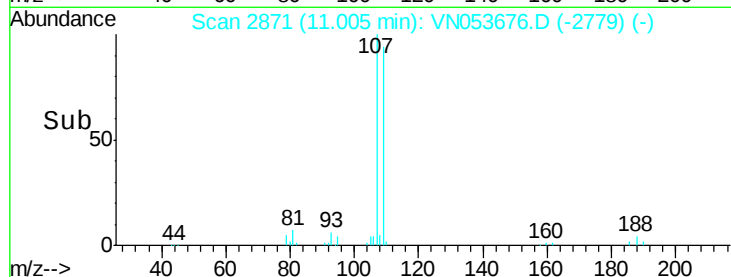
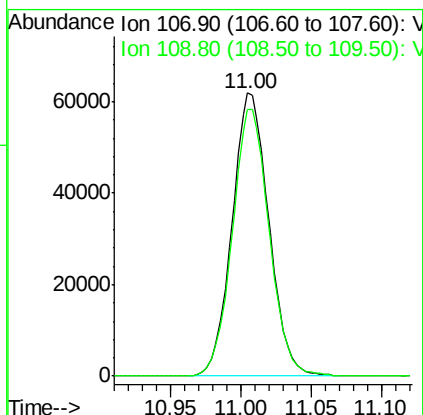
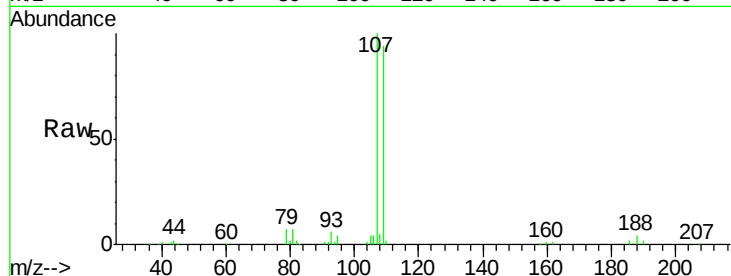




#61
 1,2-Dibromoethane
 Concen: 19.221 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN053676.D
 Acq: 8 Feb 2019 12:50

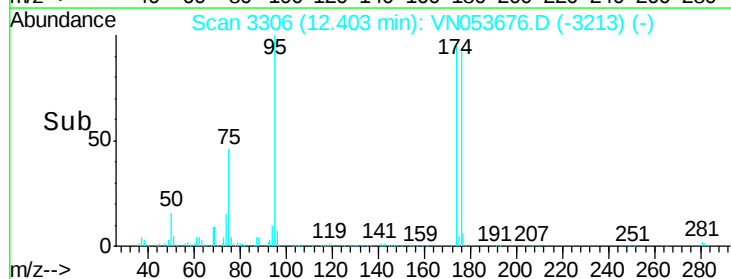
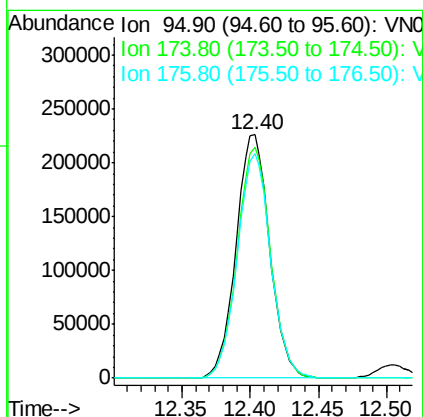
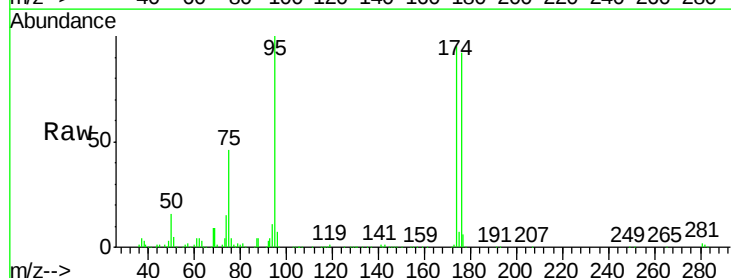
Instrument :
 MSVOA_N
 ClientSampleId :

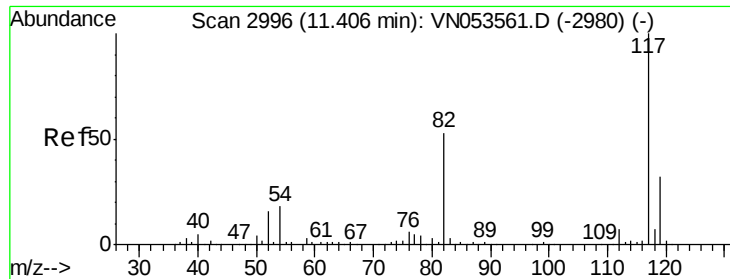
Tot Ion:107 Resp: 112938
 Ion Ratio Lower Upper
 107 100
 109 94.7 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 19.221 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN053676.D
 Acq: 8 Feb 2019 12:50

Tgt Ion: 95 Resp: 387003
 Ion Ratio Lower Upper
 95 100
 174 94.5 0.0 183.2
 176 91.4 0.0 177.4

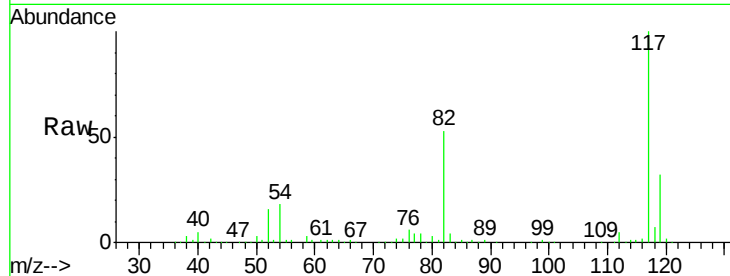




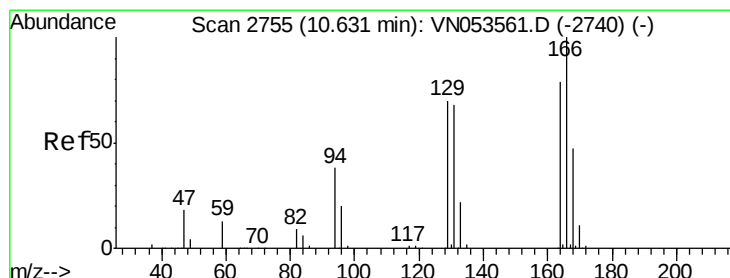
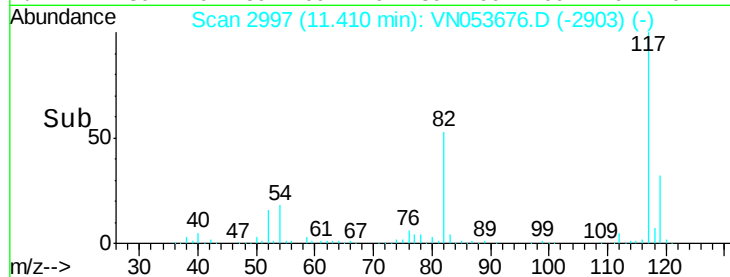
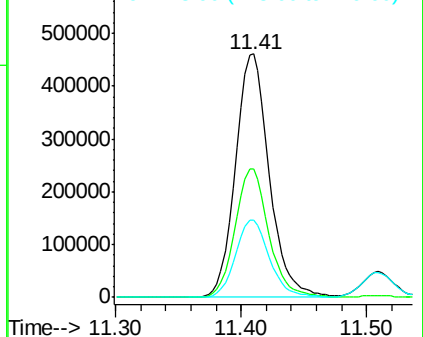
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053676.D
Acq: 8 Feb 2019 12:50

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 861589
Ion Ratio Lower Upper
117 100
82 52.6 42.9 64.3
119 31.9 26.0 39.0

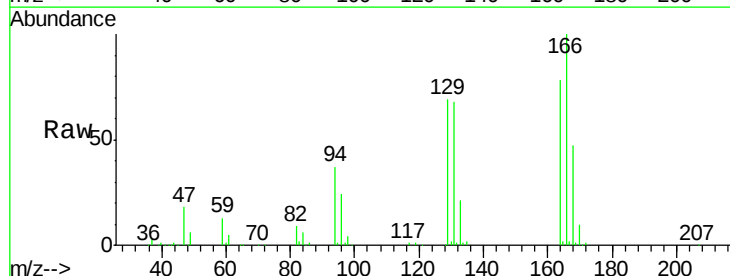


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

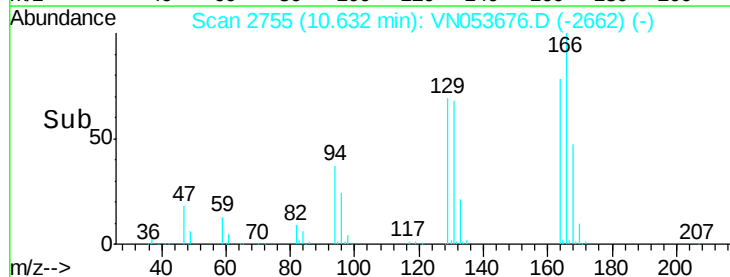
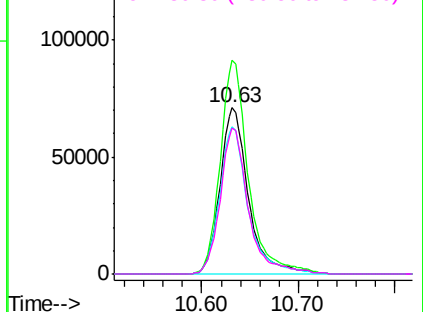


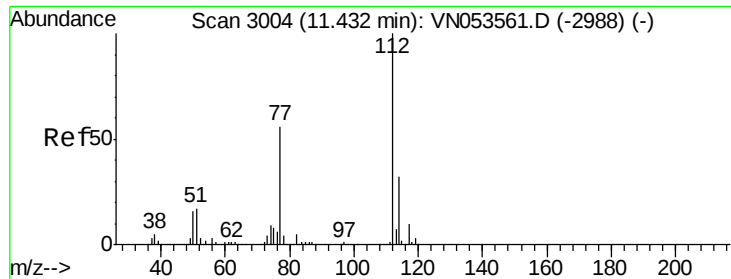
#64
Tetrachloroethene
Concen: 19.735 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053676.D
Acq: 8 Feb 2019 12:50

Tgt Ion:164 Resp: 145753
Ion Ratio Lower Upper
164 100
166 128.6 102.2 153.4
129 88.8 72.6 109.0
131 87.9 69.5 104.3



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

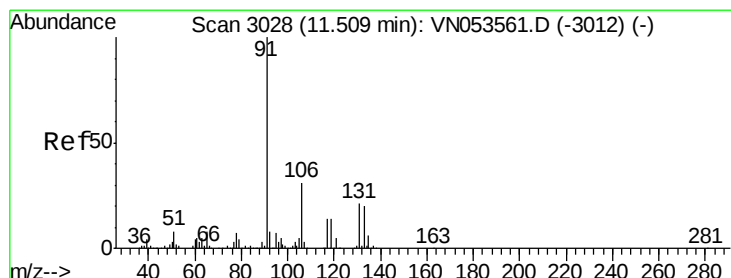
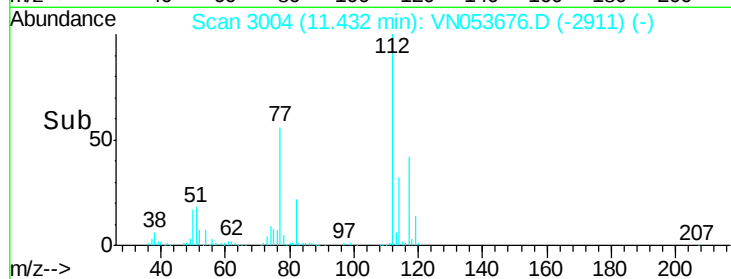
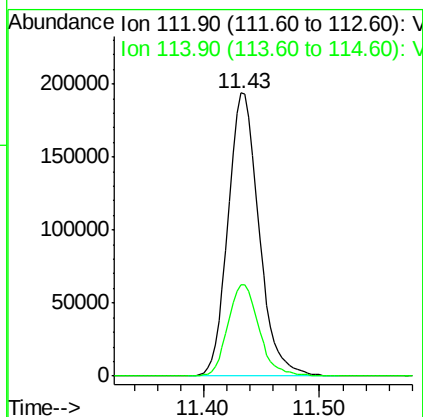
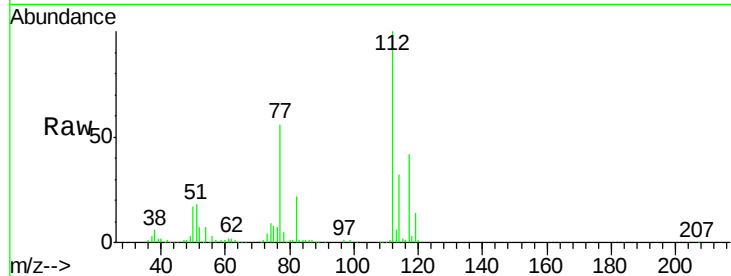




#65
Chlorobenzene
Concen: 19.504 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053676.D
Acq: 8 Feb 2019 12:50

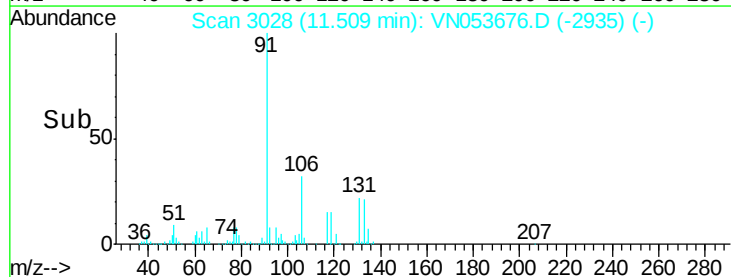
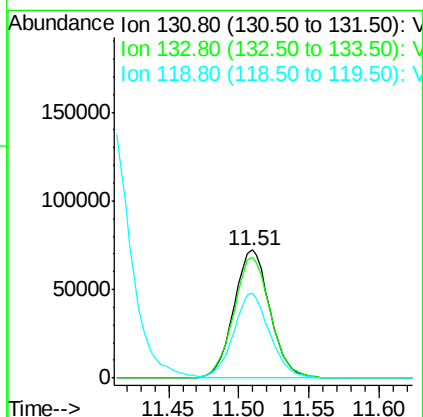
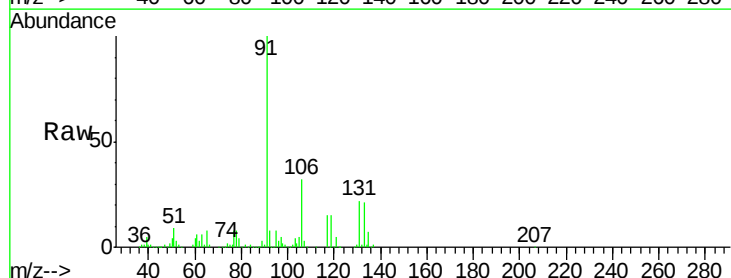
Instrument :
MSVOA_N
ClientSampleId :

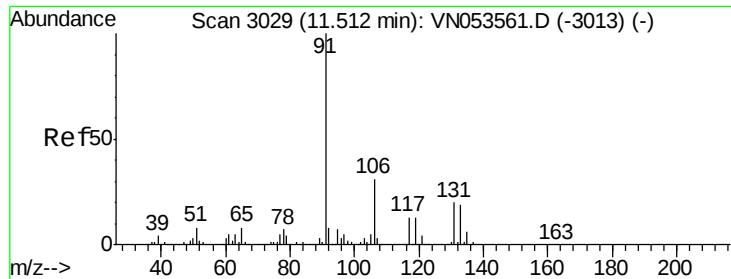
Tot Ion:112 Resp: 356952
Ion Ratio Lower Upper
112 100
114 32.3 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.298 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053676.D
Acq: 8 Feb 2019 12:50

Tgt Ion:131 Resp: 129732
Ion Ratio Lower Upper
131 100
133 96.2 48.0 144.0
119 66.4 33.5 100.5

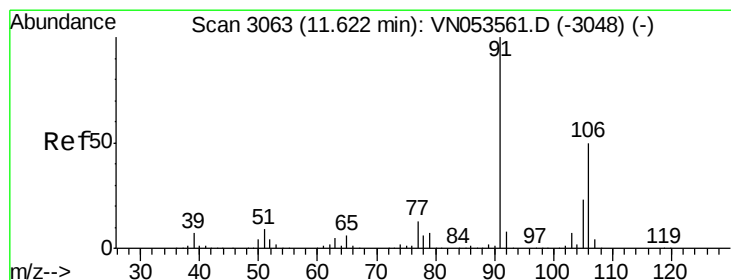
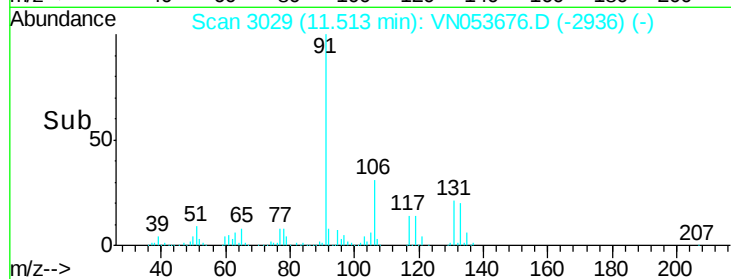
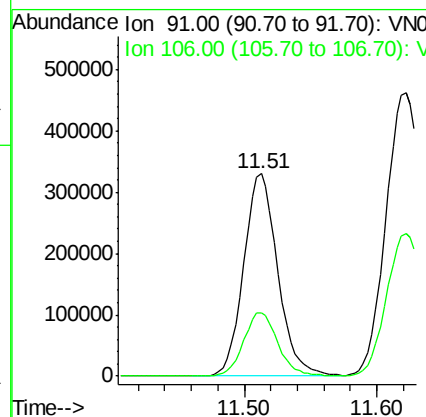
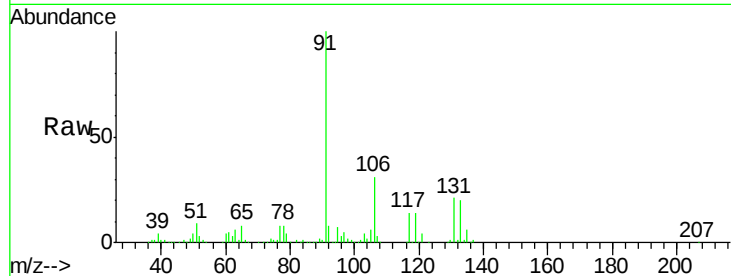




#67
Ethyl Benzene
Concen: 19.603 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053676.D
Acq: 8 Feb 2019 12:50

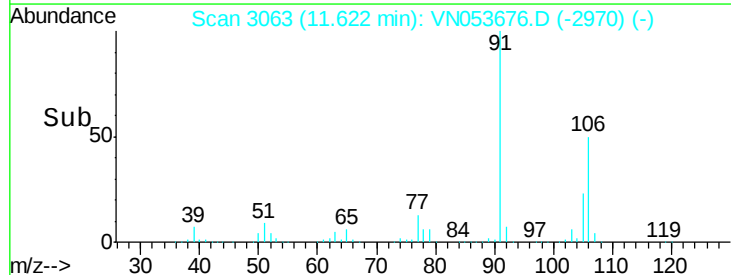
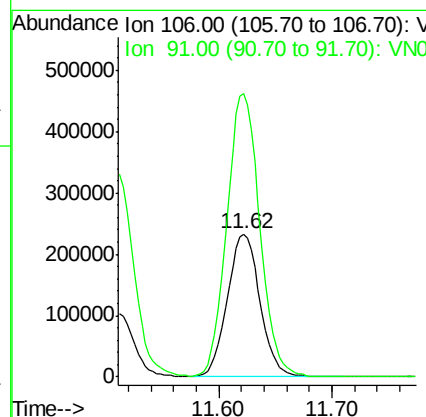
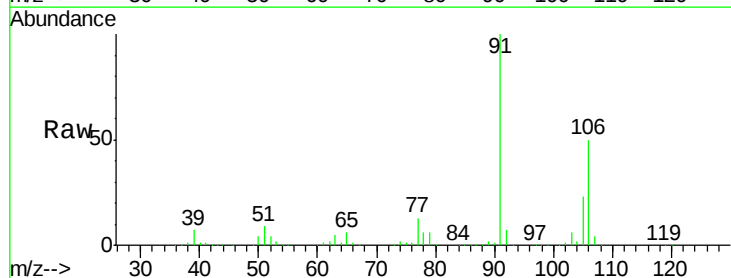
Instrument :
MSVOA_N
ClientSampled :

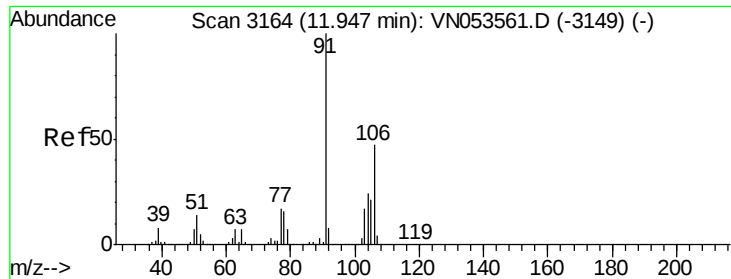
Tot Ion: 91 Resp: 589327
Ion Ratio Lower Upper
91 100
106 31.5 25.0 37.6



#68
m/p-Xylenes
Concen: 40.562 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053676.D
Acq: 8 Feb 2019 12:50

Tgt Ion: 106 Resp: 465411
Ion Ratio Lower Upper
106 100
91 200.6 161.4 242.2





#69

o-Xylene

Concen: 20.250 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

Instrument :

MSVOA_N

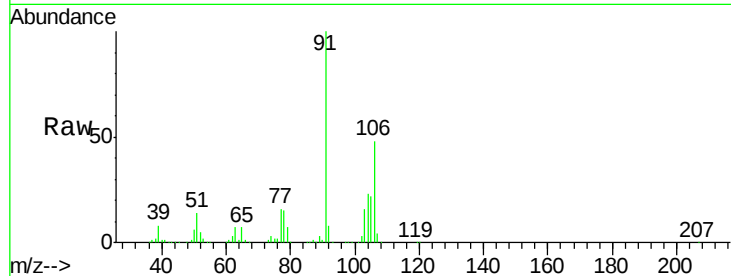
ClientSampled :

Tot Ion:106 Resp: 224474

Ion Ratio Lower Upper

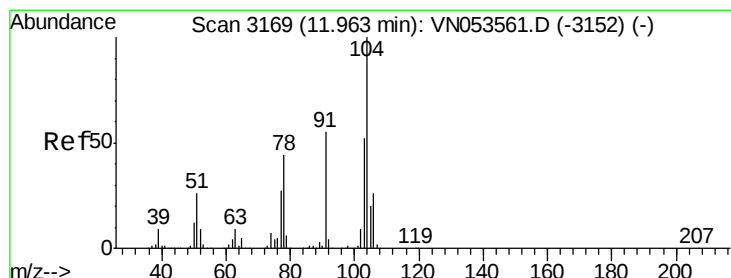
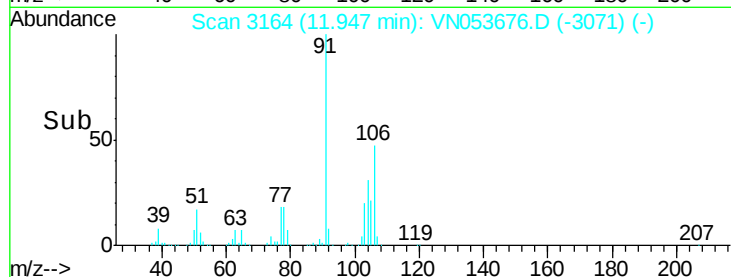
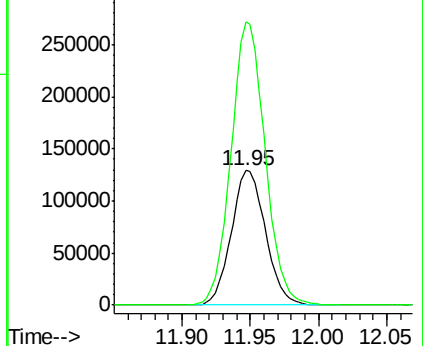
106 100

91 209.5 106.9 320.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#70

Styrene

Concen: 20.189 ug/l

RT: 11.97 min Scan# 3170

Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

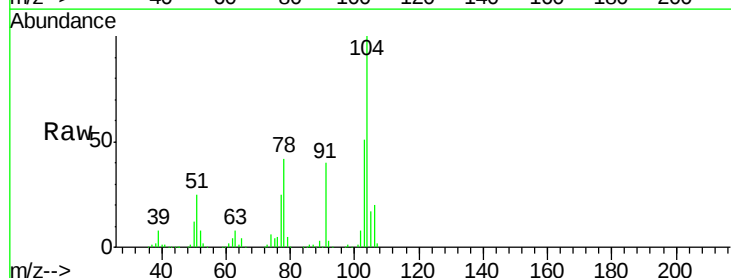
Tgt Ion:104 Resp: 362738

Ion Ratio Lower Upper

104 100

78 47.2 38.2 57.2

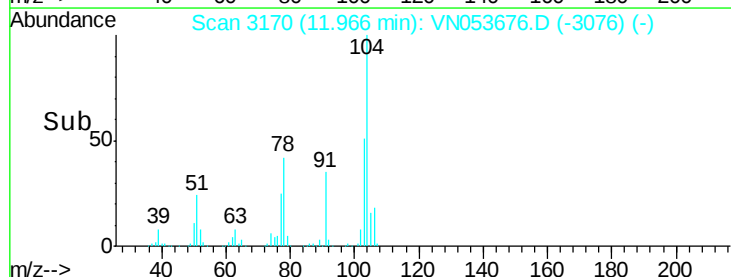
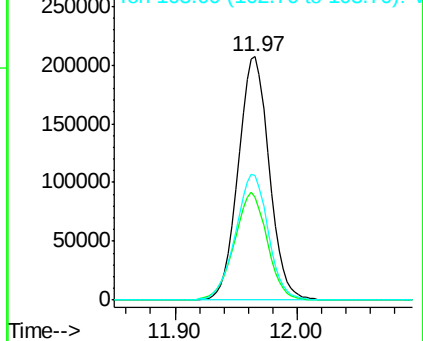
103 54.8 44.4 66.6

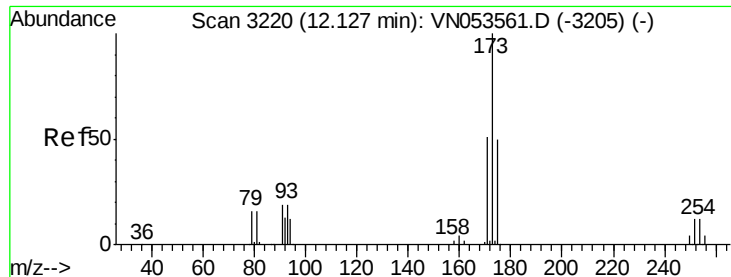


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN0

Ion 103.00 (102.70 to 103.70): V

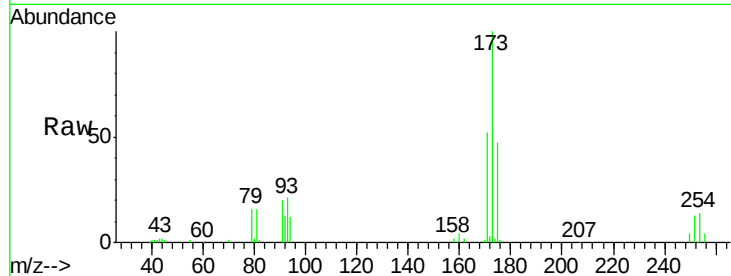




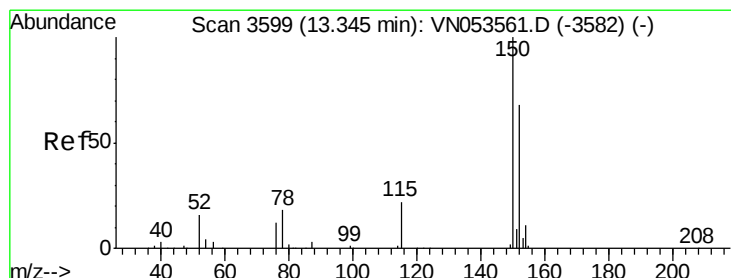
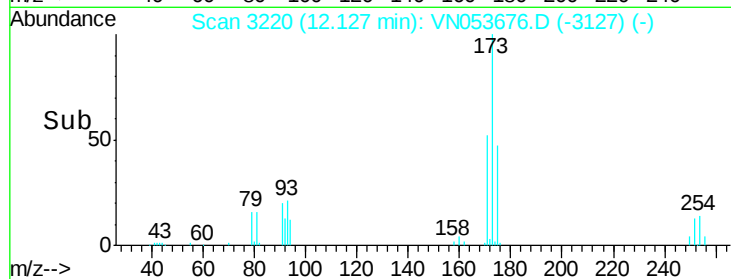
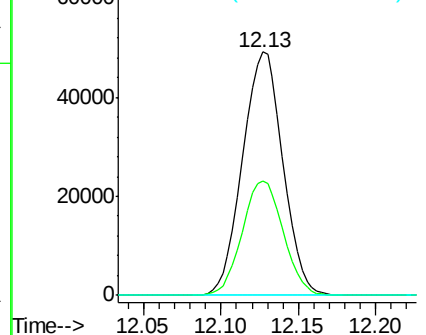
#71
Bromoform
Concen: 20.385 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053676.D
Acq: 8 Feb 2019 12:50

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:173 Resp: 89324
Ion Ratio Lower Upper
173 100
175 47.6 24.6 74.0
254 0.0 0.2 0.2#

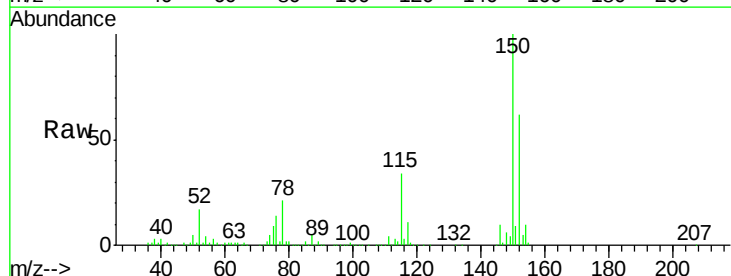


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

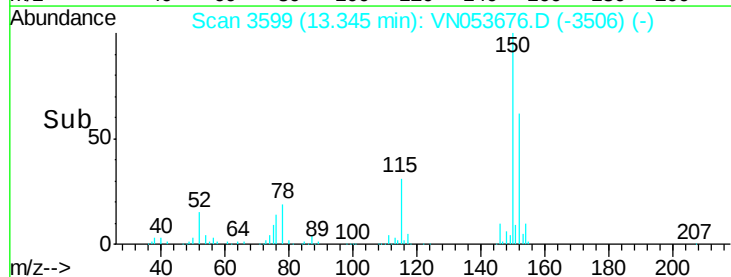
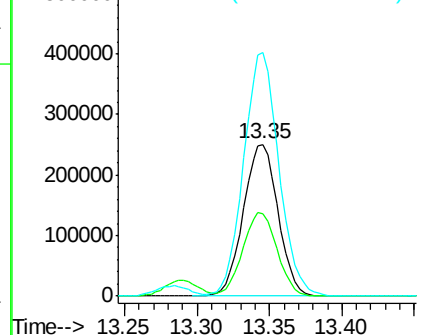


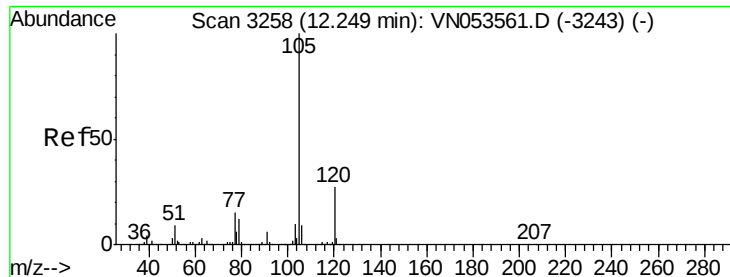
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053676.D
Acq: 8 Feb 2019 12:50

Tgt Ion:152 Resp: 416776
Ion Ratio Lower Upper
152 100
115 54.8 27.8 83.4
150 163.0 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: 20.236 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

Instrument :

MSVOA_N

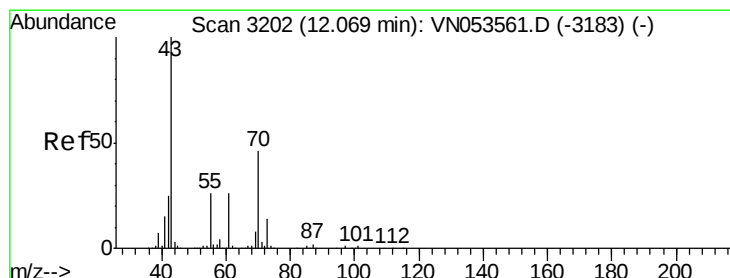
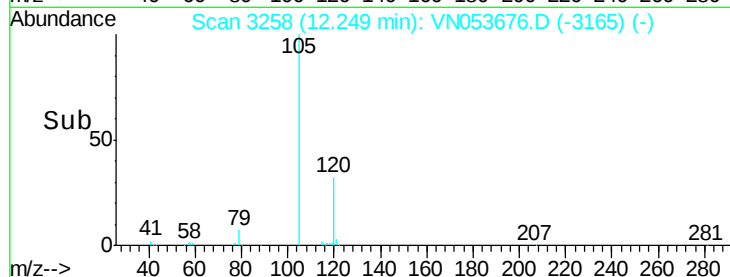
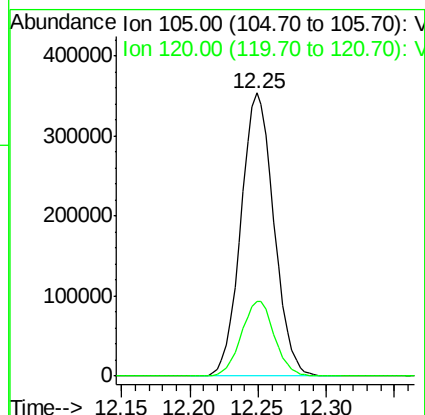
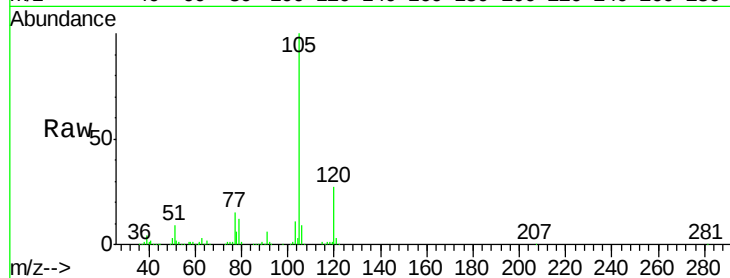
ClientSampled :

Tot Ion:105 Resp: 592899

Ion Ratio Lower Upper

105 100

120 26.6 13.6 40.7



#74

N-ethyl acetate

Concen: 19.741 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

Tgt Ion: 43 Resp: 139083

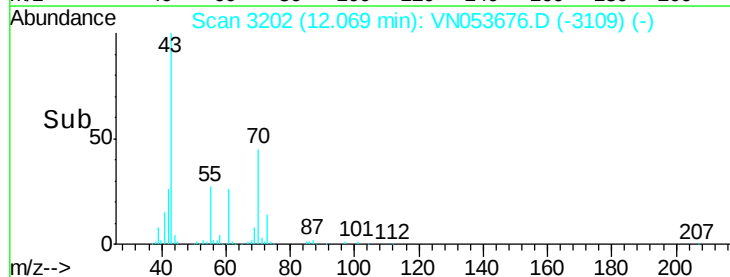
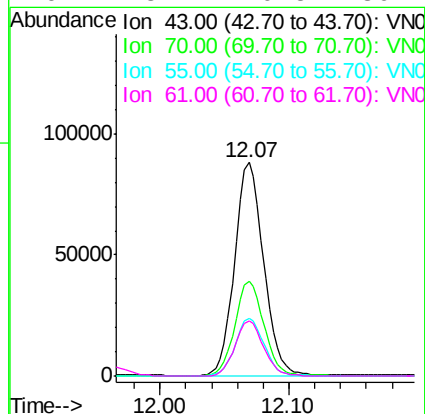
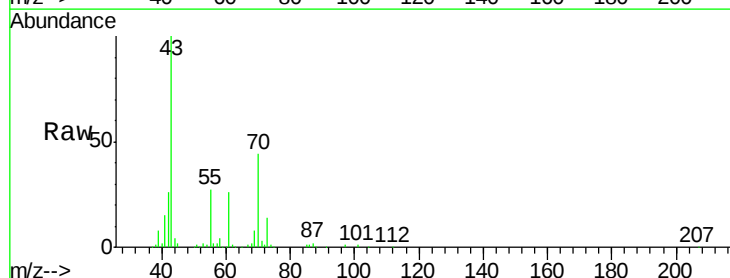
Ion Ratio Lower Upper

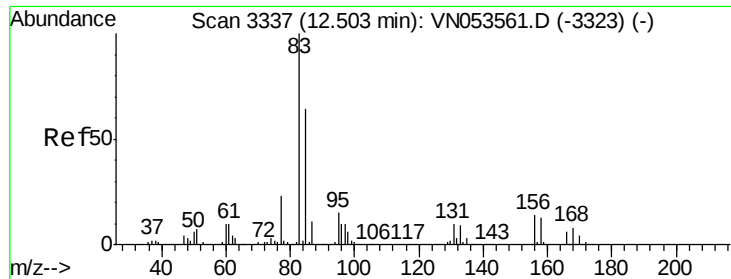
43 100

70 44.3 35.4 53.2

55 26.7 20.9 31.3

61 25.2 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.500 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

Instrument :

MSVOA_N

ClientSampled :

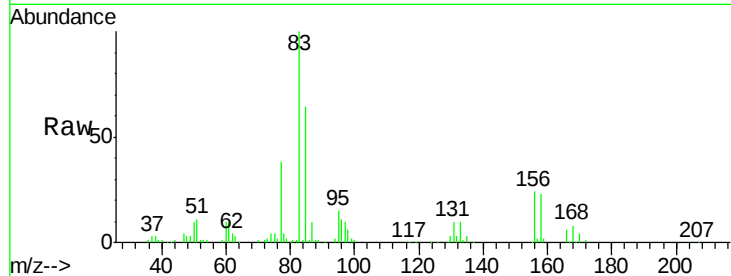
Tot Ion: 83 Resp: 136735

Ion Ratio Lower Upper

83 100

131 10.6 5.3 15.8

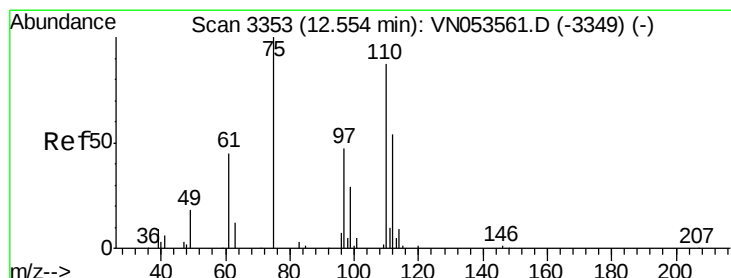
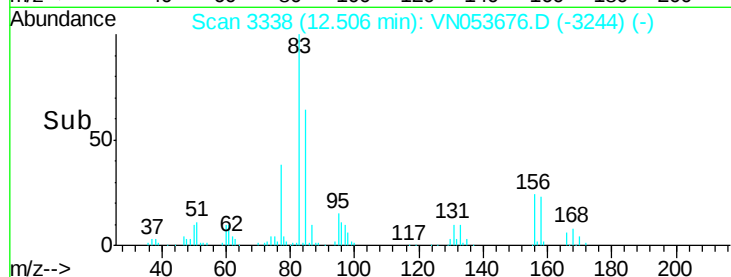
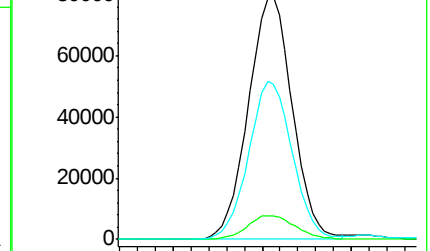
85 64.3 32.1 96.3



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: 31.028 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053676.D

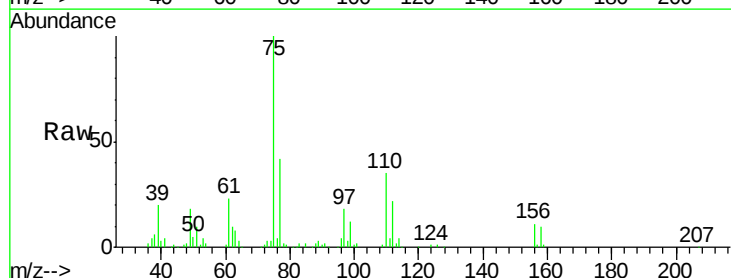
Acq: 8 Feb 2019 12:50

Tgt Ion: 75 Resp: 166099

Ion Ratio Lower Upper

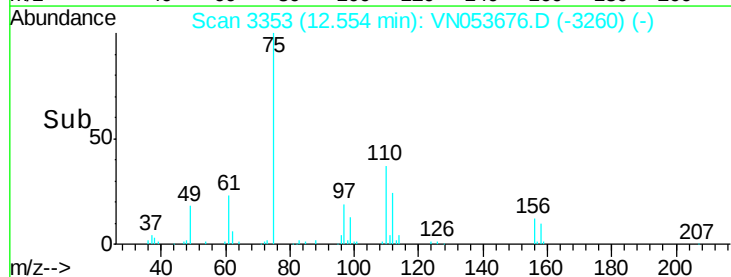
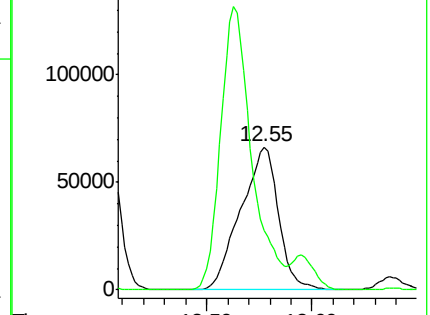
75 100

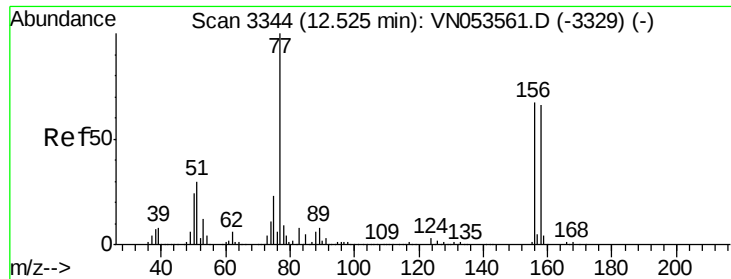
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.947 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

Instrument :

MSVOA_N

ClientSampled :

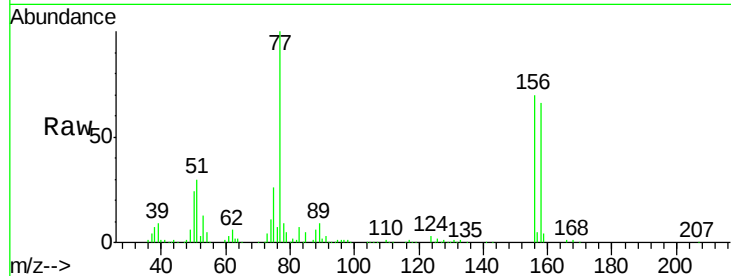
Tot Ion:156 Resp: 157509

Ion Ratio Lower Upper

156 100

77 170.2 87.9 263.8

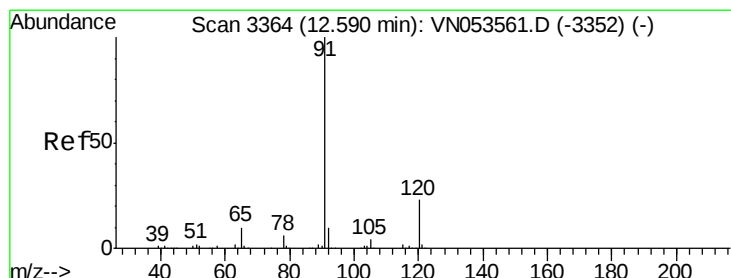
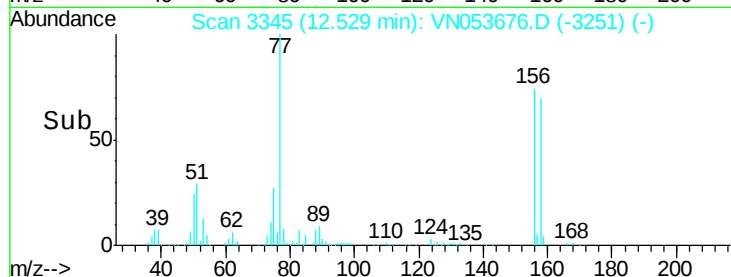
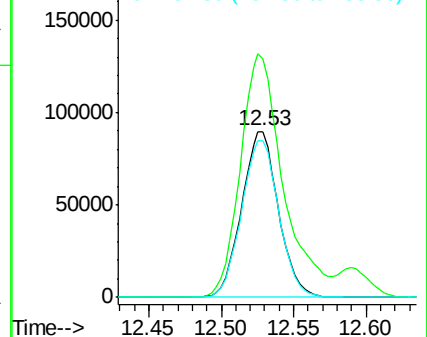
158 96.3 48.8 146.4



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: 20.303 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053676.D

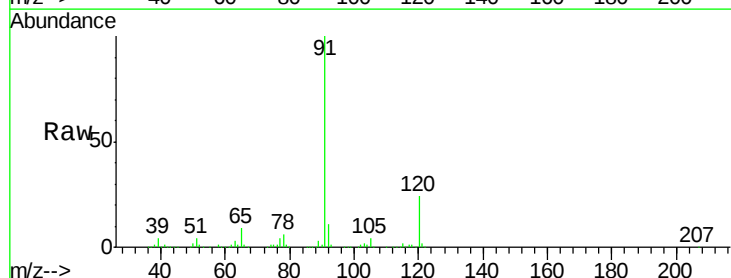
Acq: 8 Feb 2019 12:50

Tgt Ion: 91 Resp: 687670

Ion Ratio Lower Upper

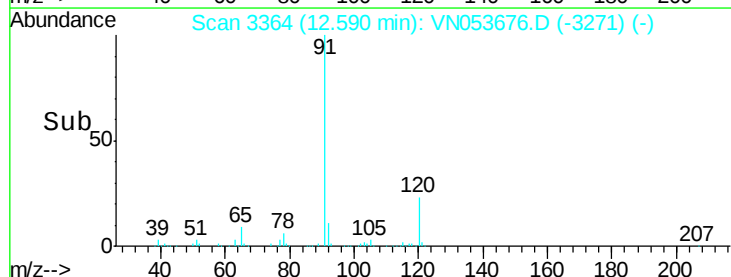
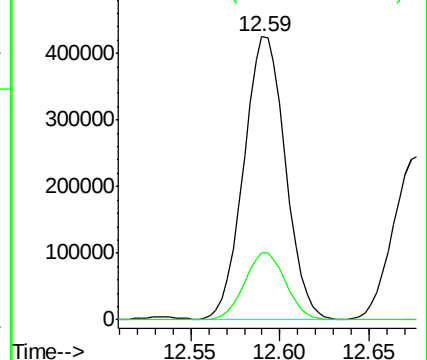
91 100

120 23.7 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: 20.306 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

Instrument :

MSVOA_N

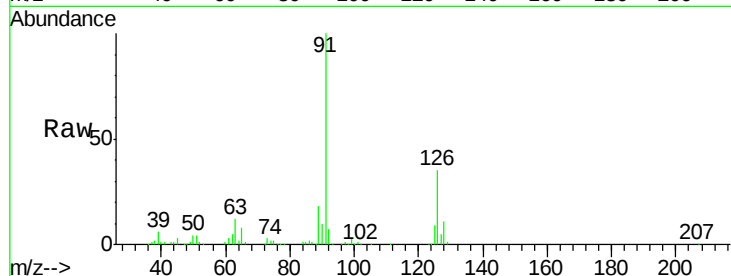
ClientSampled :

Tot Ion: 91 Resp: 408033

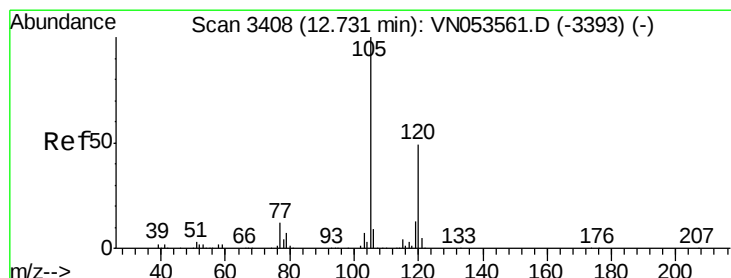
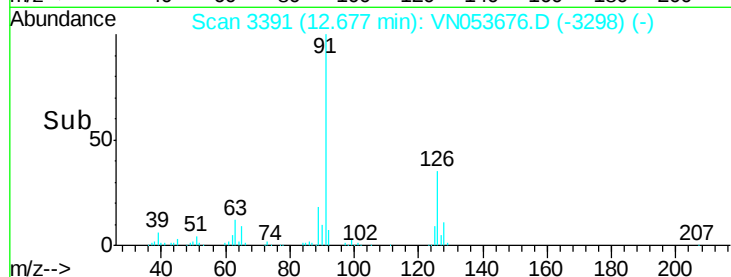
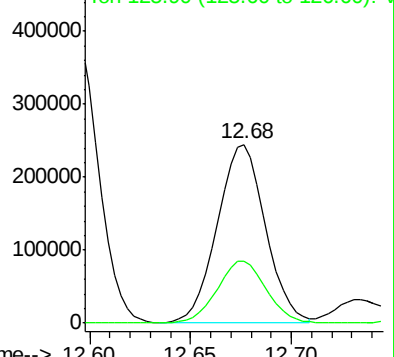
Ion Ratio Lower Upper

91 100

126 35.4 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN053561.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.900 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053676.D

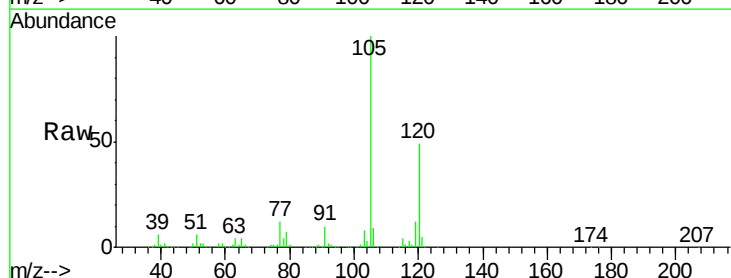
Acq: 8 Feb 2019 12:50

Tgt Ion: 105 Resp: 507790

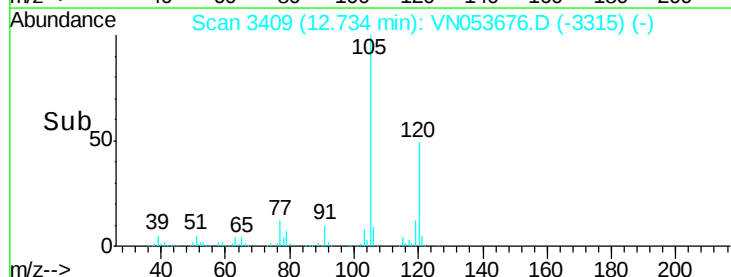
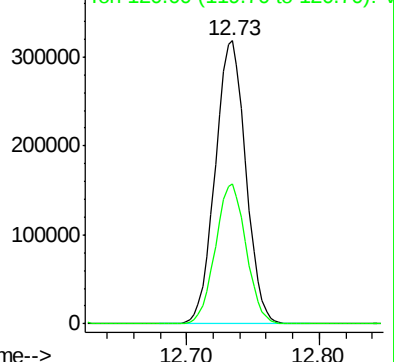
Ion Ratio Lower Upper

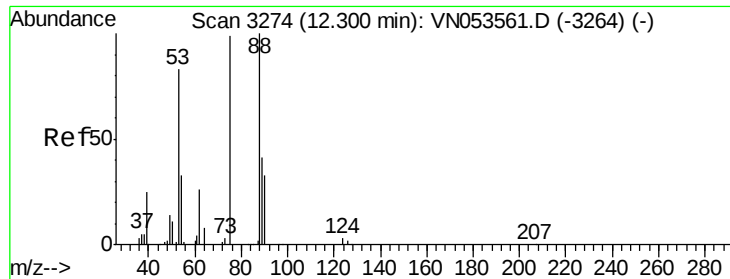
105 100

120 49.5 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN053561.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.002 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

Instrument :

MSVOA_N

ClientSampled :

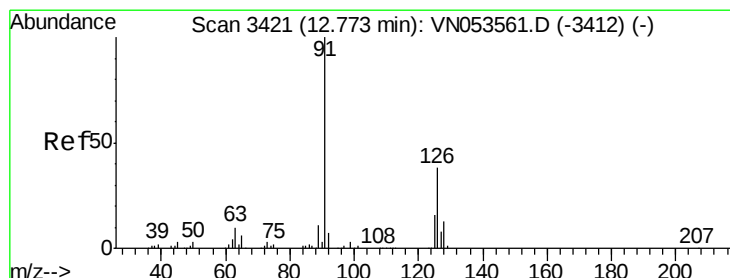
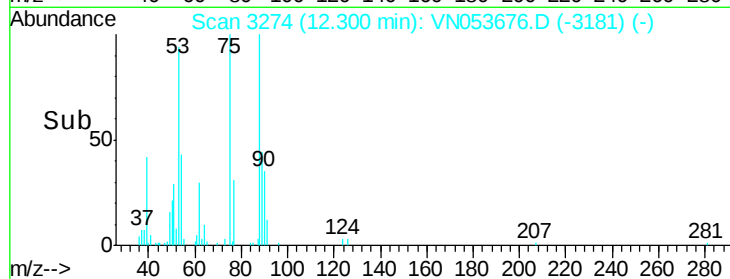
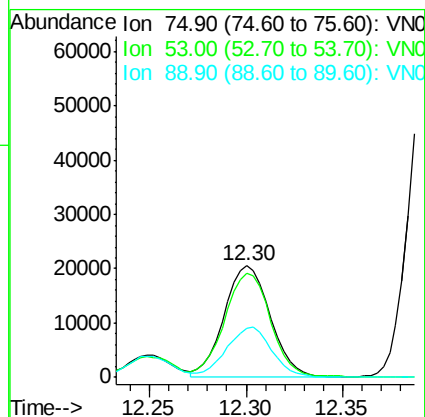
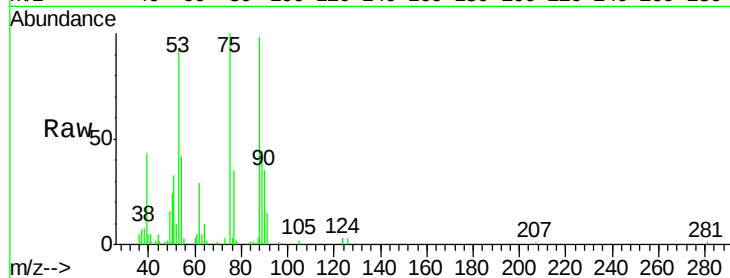
Tot Ion: 75 Resp: 34272

Ion Ratio Lower Upper

75 100

53 93.3 69.8 104.6

89 43.7 35.6 53.4



#82

4-Chlorotoluene

Concen: 20.120 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053676.D

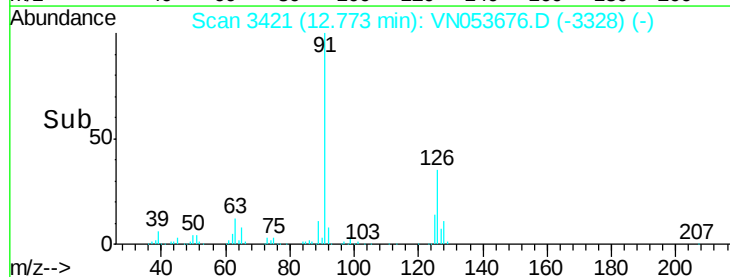
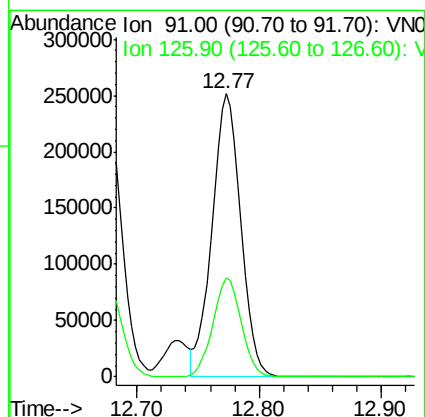
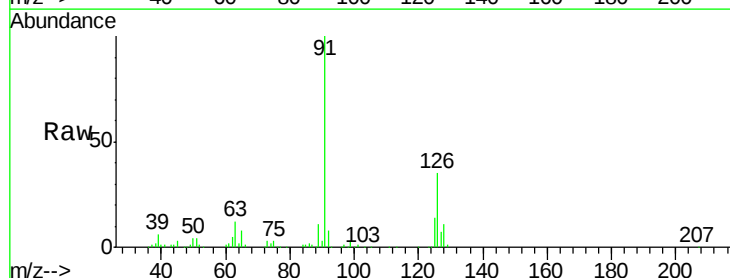
Acq: 8 Feb 2019 12:50

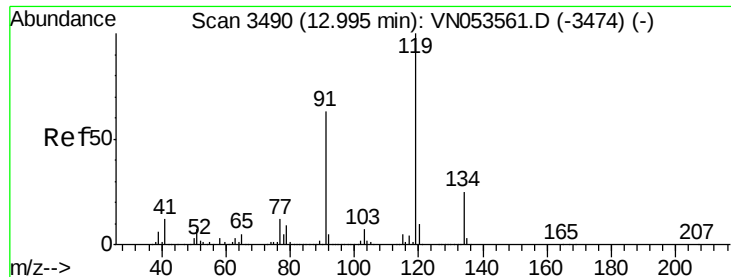
Tgt Ion: 91 Resp: 414863

Ion Ratio Lower Upper

91 100

126 34.7 17.6 52.9

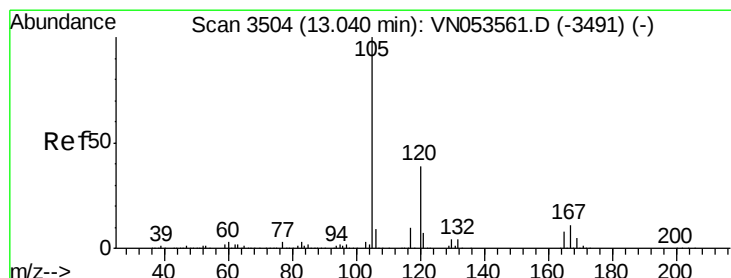
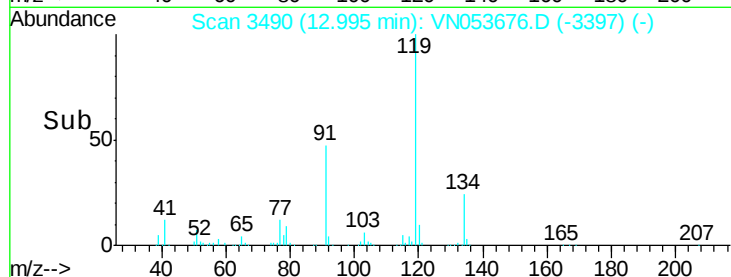
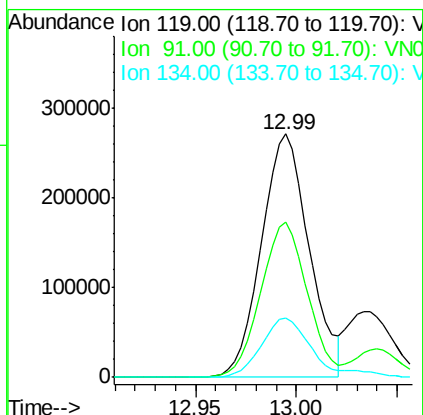
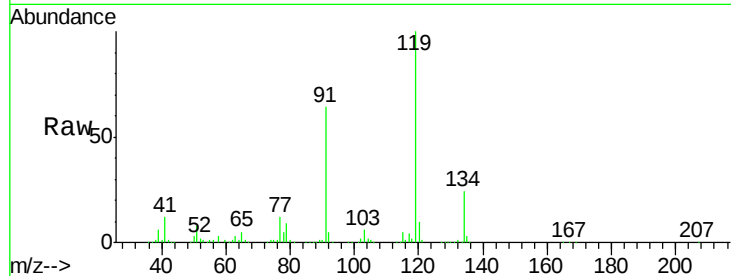




#83
 tert-Butylbenzene
 Concen: 20.859 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053676.D
 Acq: 8 Feb 2019 12:50

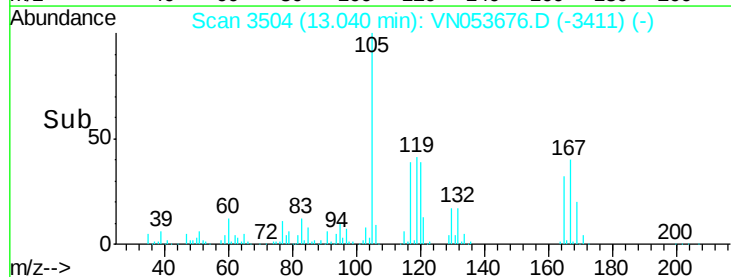
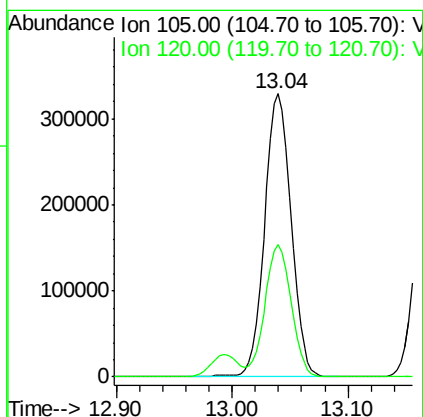
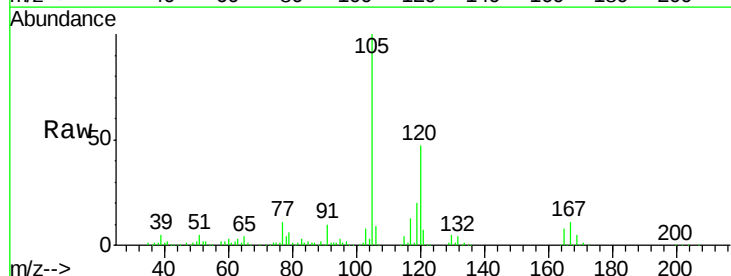
Instrument :
 MSVOA_N
 ClientSampled :

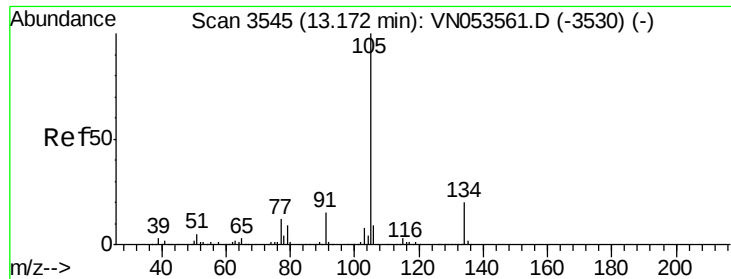
Tot Ion:119 Resp: 447902
 Ion Ratio Lower Upper
 119 100
 91 61.9 31.3 93.8
 134 24.4 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 21.122 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053676.D
 Acq: 8 Feb 2019 12:50

Tgt Ion:105 Resp: 522840
 Ion Ratio Lower Upper
 105 100
 120 46.2 23.0 69.0





#85

sec-Butylbenzene

Concen: 21.173 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

Instrument :

MSVOA_N

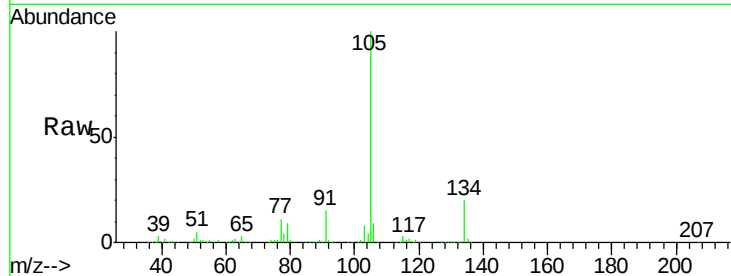
ClientSampleId :

Tot Ion:105 Resp: 618692

Ion Ratio Lower Upper

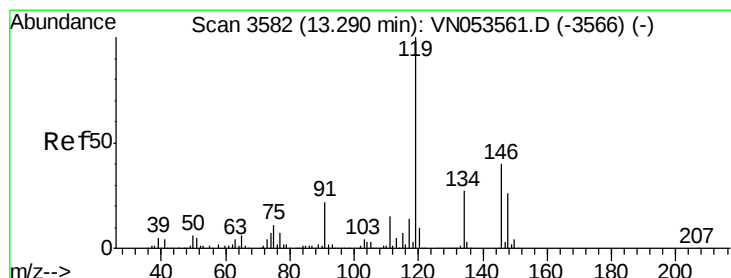
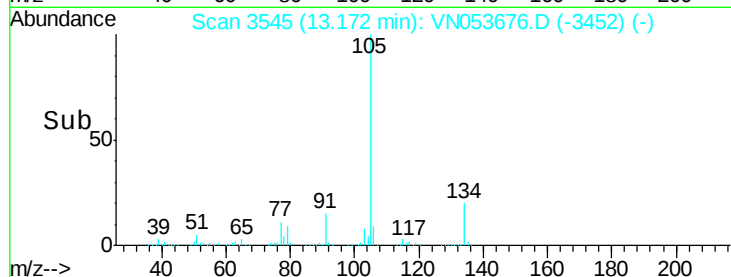
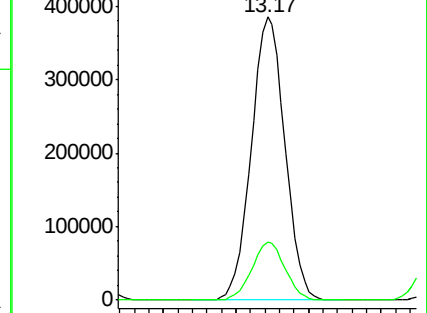
105 100

134 20.3 10.2 30.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.029 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

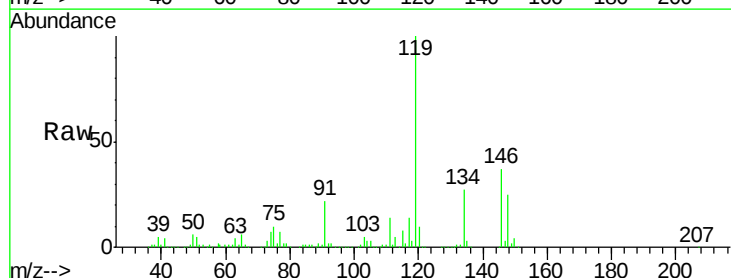
Tgt Ion:119 Resp: 537429

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

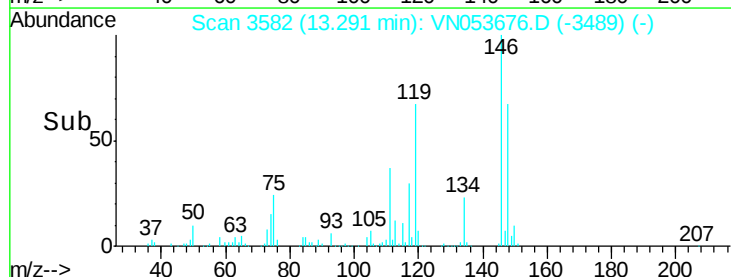
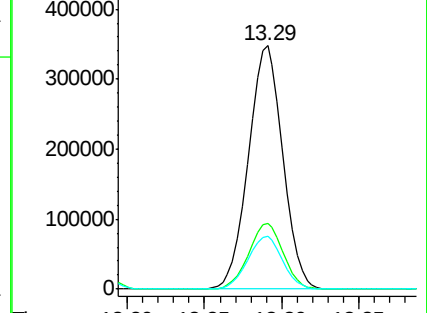
91 22.0 11.0 33.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.448 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

Instrument :

MSVOA_N

ClientSampled :

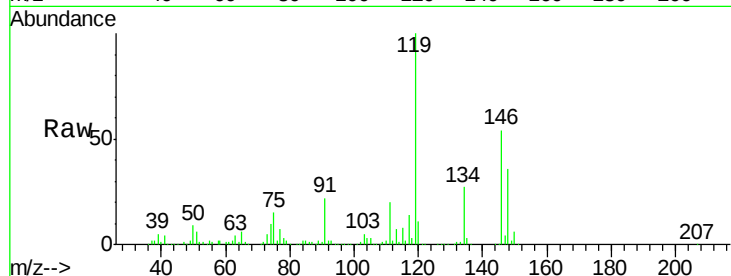
Tot Ion:146 Resp: 276061

Ion Ratio Lower Upper

146 100

111 37.0 18.8 56.3

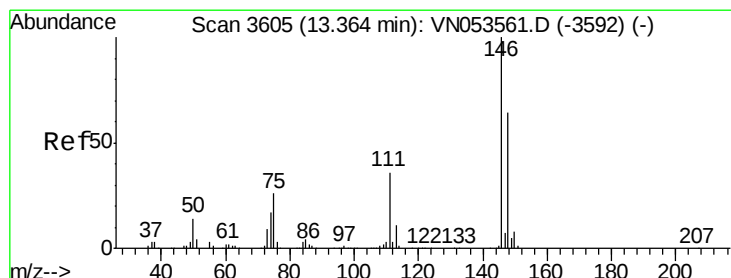
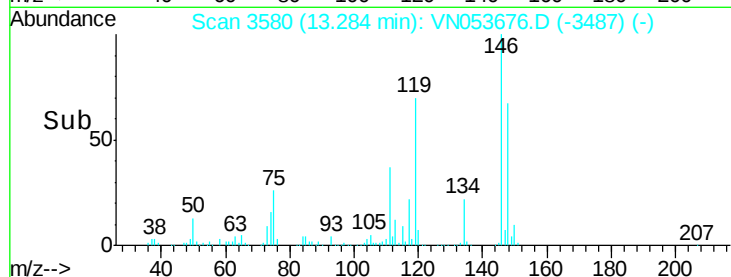
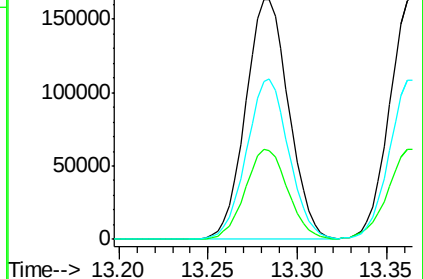
148 65.5 32.0 96.2



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



#88

1,4-Dichlorobenzene

Concen: 19.366 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

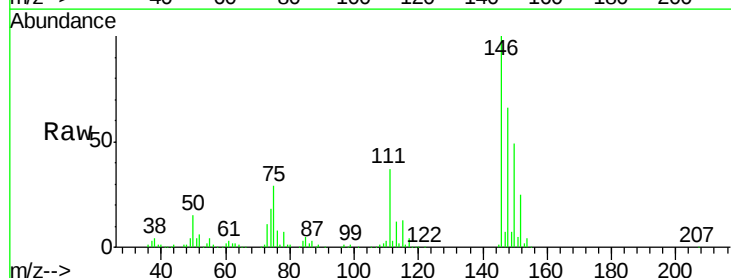
Tgt Ion:146 Resp: 271919

Ion Ratio Lower Upper

146 100

111 38.1 18.6 55.8

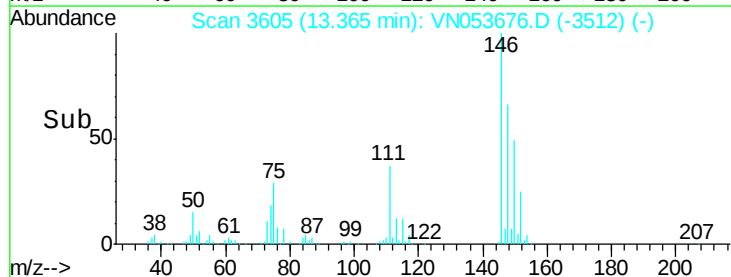
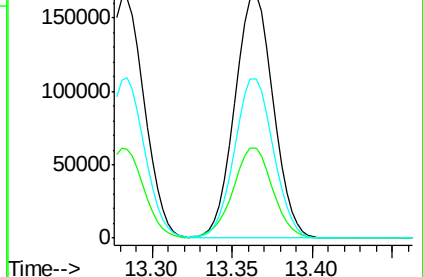
148 66.3 32.4 97.0

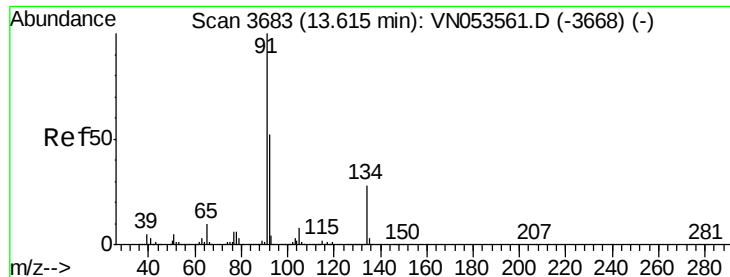


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

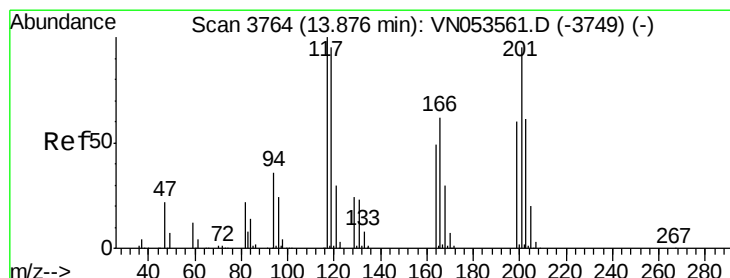
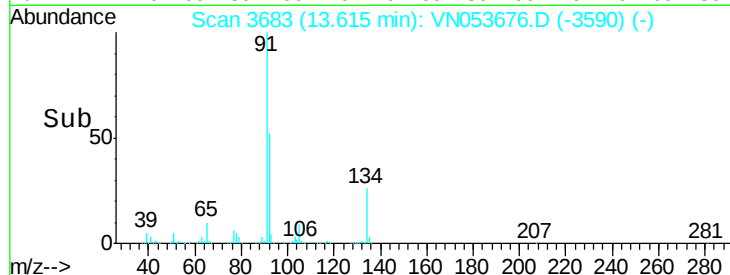
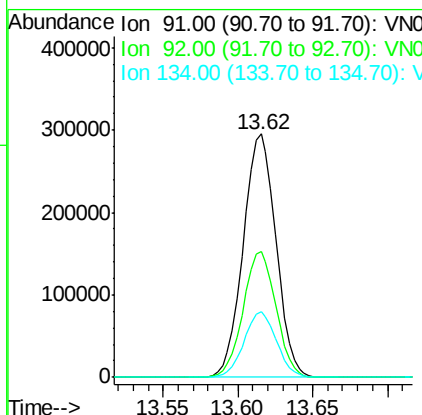
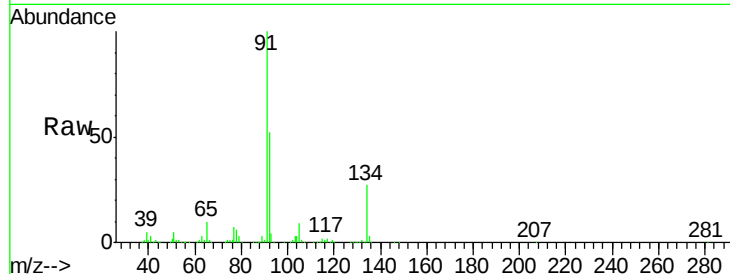




#89
n-Butylbenzene
Concen: 20.365 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053676.D
Acq: 8 Feb 2019 12:50

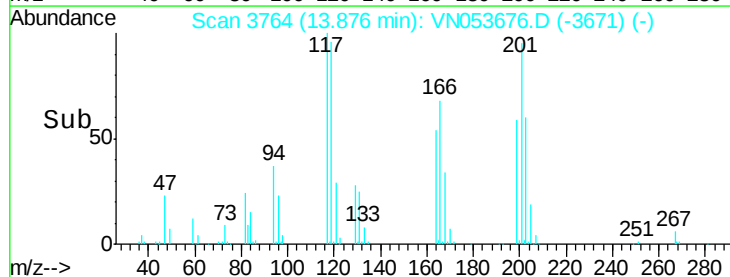
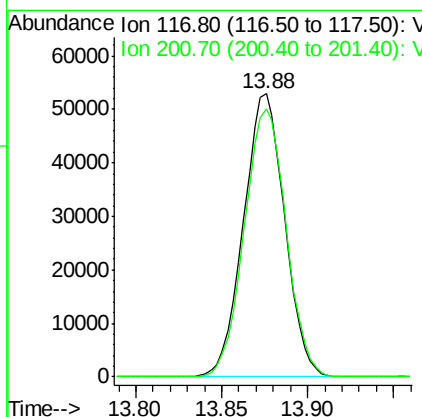
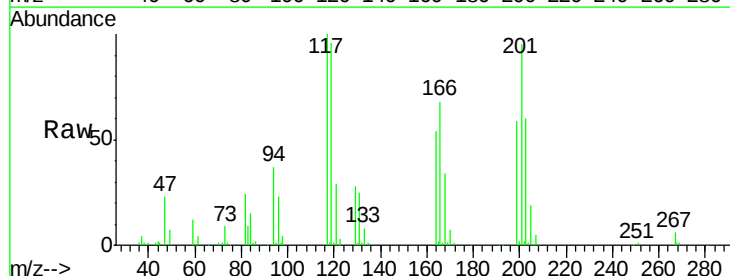
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 91 Resp: 450490
Ion Ratio Lower Upper
91 100
92 51.8 26.3 78.8
134 26.7 13.5 40.5



#90
Hexachloroethane
Concen: 20.891 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN053676.D
Acq: 8 Feb 2019 12:50

Tgt Ion: 117 Resp: 88065
Ion Ratio Lower Upper
117 100
201 95.9 46.8 140.4





#91

1,2-Dichlorobenzene

Concen: 19.928 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

Instrument :

MSVOA_N

ClientSampleId :

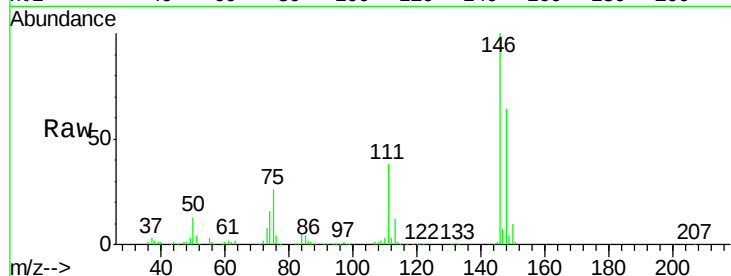
Tot Ion:146 Resp: 270807

Ion Ratio Lower Upper

146 100

111 37.6 19.5 58.5

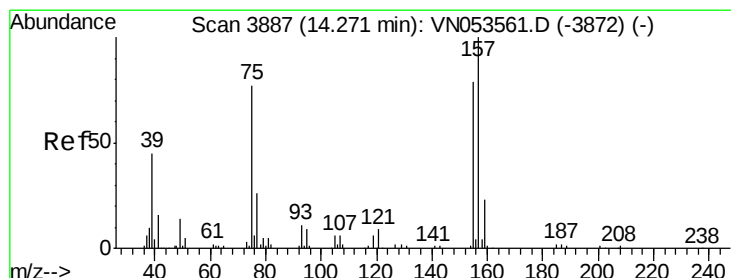
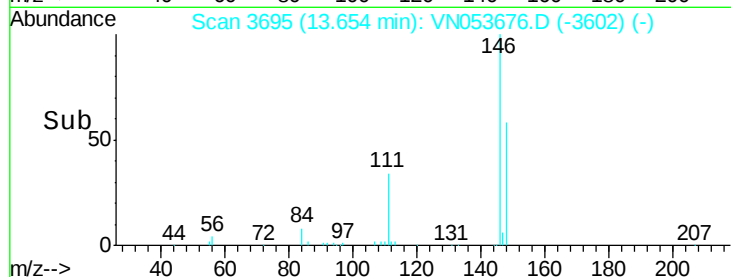
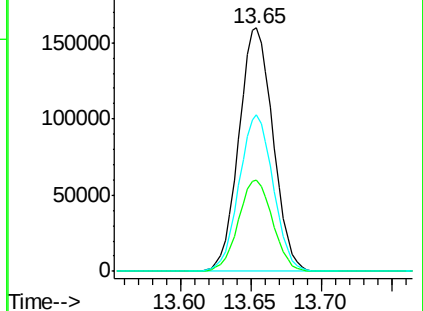
148 64.1 31.9 95.9



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: 19.511 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

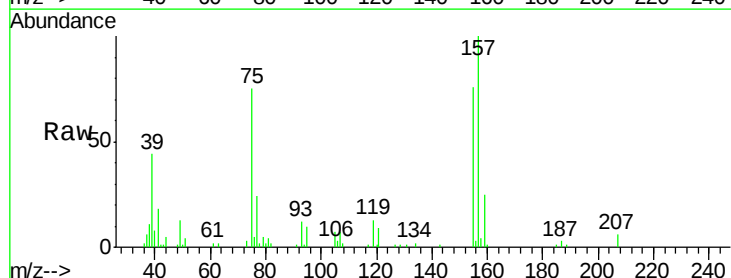
Tgt Ion: 75 Resp: 19498

Ion Ratio Lower Upper

75 100

155 98.9 48.9 146.7

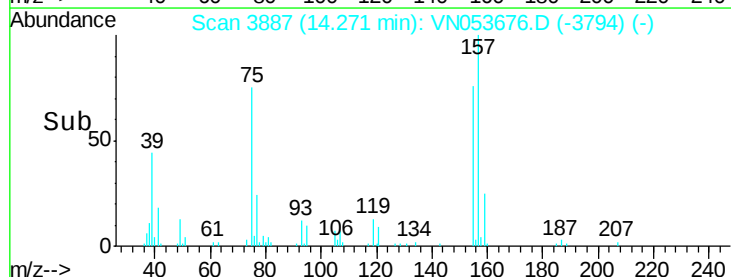
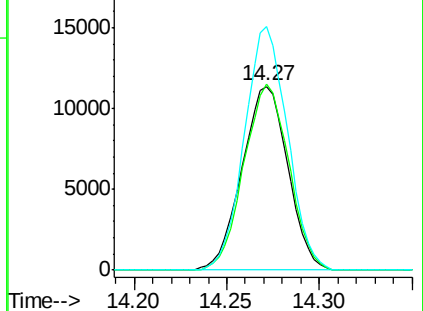
157 124.1 63.7 191.3



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

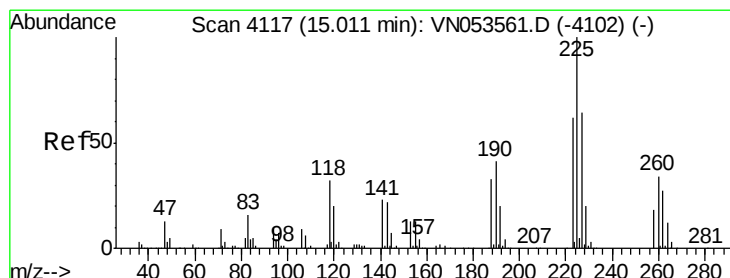
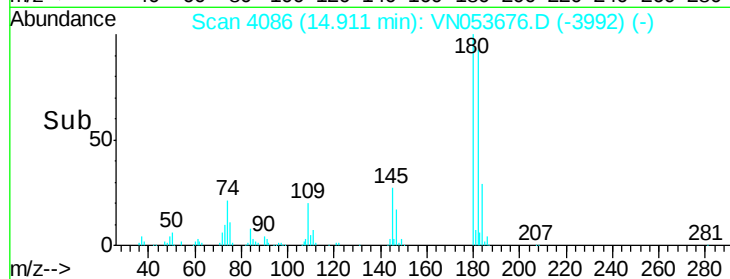
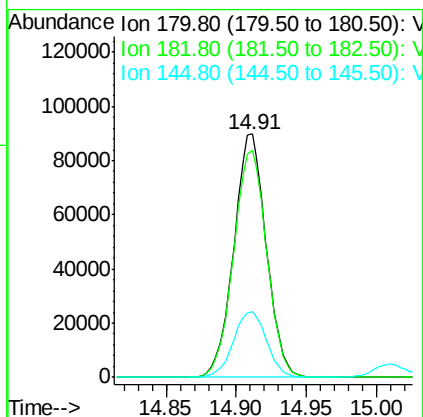
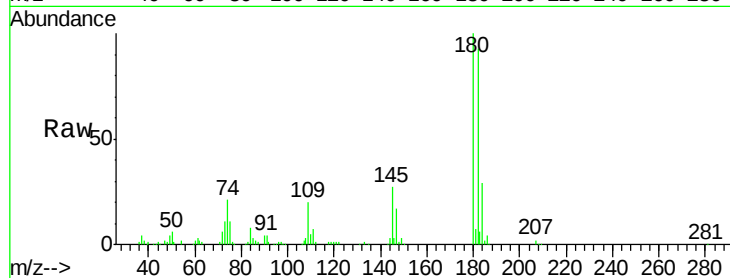




#93
 1,2,4-Trichlorobenzene
 Concen: 18.548 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053676.D
 Acq: 8 Feb 2019 12:50

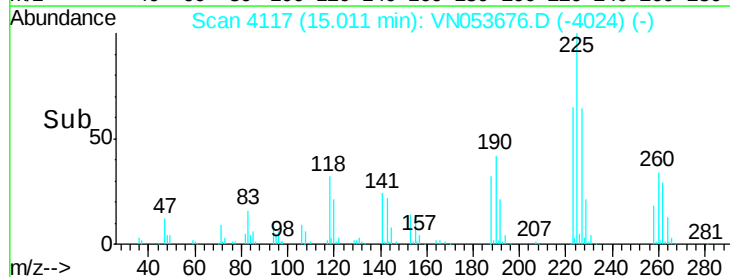
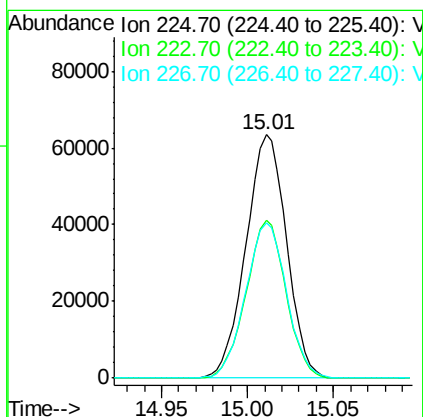
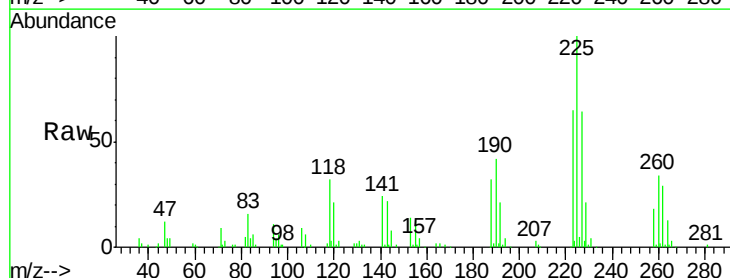
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.1	144.3
145	27.7	13.9	41.6



#94
 Hexachlorobutadiene
 Concen: 21.414 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053676.D
 Acq: 8 Feb 2019 12:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.1	93.2
227	64.0	32.0	96.2





#95

Naphthalene

Concen: 16.427 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

Instrument :

MSVOA_N

ClientSampleId :

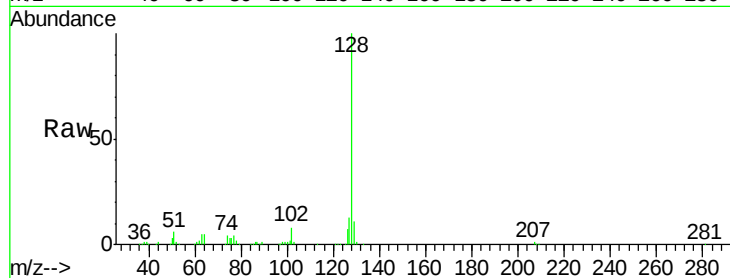
Tot Ion:128 Resp: 278643

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

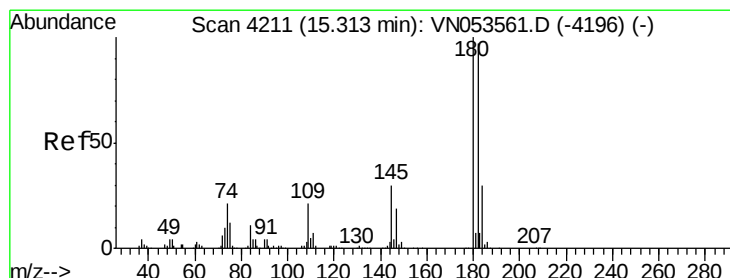
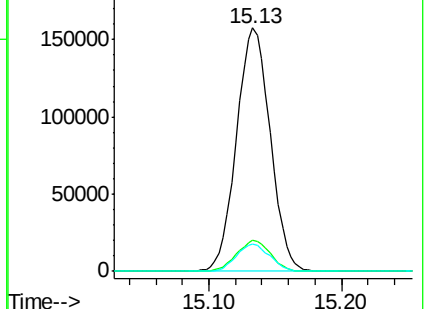
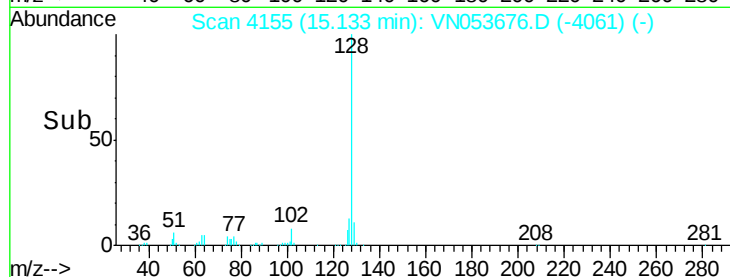
129 11.0 8.6 13.0



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: 18.929 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

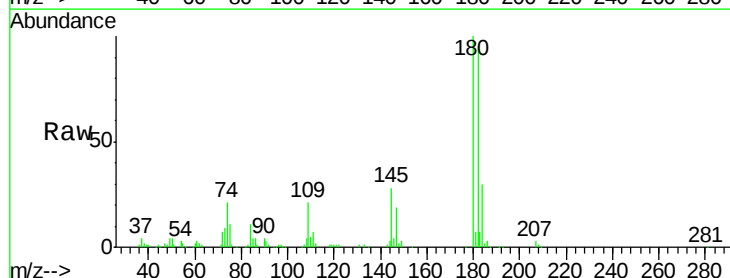
Tgt Ion:180 Resp: 136892

Ion Ratio Lower Upper

180 100

182 96.3 47.9 143.8

145 29.0 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

