

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021419\
 Data File : VN053779.D
 Acq On : 14 Feb 2019 15:09
 Operator : JC/SP
 Sample : VN0214WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 15 01:03:49 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	661945	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1055583	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	896885	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	407521	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	364680	54.92	ug/l	0.00
Spiked Amount						
			Recovery	=	109.84%	
35) Dibromofluoromethane	7.59	113	356631	53.47	ug/l	0.00
Spiked Amount						
			Recovery	=	106.94%	
50) Toluene-d8	10.09	98	1251293	49.96	ug/l	0.00
Spiked Amount						
			Recovery	=	99.92%	
62) 4-Bromofluorobenzene	12.40	95	407356	48.77	ug/l	0.00
Spiked Amount						
			Recovery	=	97.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	136153	18.459	ug/l	100
3) Chloromethane	2.06	50	158062	20.113	ug/l	100
4) Vinyl Chloride	2.19	62	163798	21.471	ug/l	99
5) Bromomethane	2.58	94	108061	21.664	ug/l	98
6) Chloroethane	2.71	64	102329	23.473	ug/l	99
7) Trichlorofluoromethane	3.02	101	217483	21.023	ug/l	99
8) Diethyl Ether	3.41	74	78226	20.705	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.77	101	129241	20.200	ug/l	97
10) Methyl Iodide	3.96	142	191664	19.086	ug/l	100
11) Tert butyl alcohol	4.78	59	46503	118.326	ug/l #	88
12) 1,1-Dichloroethene	3.74	96	126830	20.691	ug/l	95
13) Acrolein	3.61	56	27796	129.903	ug/l	97
14) Allyl chloride	4.33	41	198342	20.322	ug/l	100
15) Acrylonitrile	4.99	53	243585	114.810	ug/l	99
16) Acetone	3.82	43	169727	99.644	ug/l	99
17) Carbon Disulfide	4.06	76	335122	17.558	ug/l	100
18) Methyl Acetate	4.33	43	126578	25.093	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	351718	22.634	ug/l	99
20) Methylene Chloride	4.55	84	150257	21.026	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	132589	20.049	ug/l	96
22) Diisopropyl ether	5.95	45	404285	22.356	ug/l	95
23) Vinyl Acetate	5.90	43	1325945	105.987	ug/l	99
24) 1,1-Dichloroethane	5.85	63	258672	21.445	ug/l	99
25) 2-Butanone	6.84	43	261972	107.838	ug/l	99
26) 2,2-Dichloropropane	6.83	77	175887	19.102	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	154838	21.056	ug/l	97
28) Bromochloromethane	7.20	49	111178	21.240	ug/l	97
29) Tetrahydrofuran	7.21	42	176644	113.238	ug/l	96
30) Chloroform	7.37	83	255697	21.385	ug/l	97
31) Cyclohexane	7.66	56	211699	18.745	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	213568	21.462	ug/l	98
36) 1,1-Dichloropropene	7.79	75	186372	19.586	ug/l	99
37) Ethyl Acetate	6.93	43	120245	22.626	ug/l	99
38) Carbon Tetrachloride	7.78	117	187354	19.545	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	199179	17.644	ug/l	99
40) Benzene	8.04	78	580184	19.772	ug/l	99
41) Methacrylonitrile	7.18	41	70130	23.611	ug/l #	86
42) 1,2-Dichloroethane	8.12	62	177733	20.400	ug/l	100
43) Isopropyl Acetate	8.17	43	210697	20.529	ug/l	98
44) Trichloroethene	8.84	130	154035	18.439	ug/l	98
45) 1,2-Dichloropropane	9.12	63	154171	20.542	ug/l	99
46) Dibromomethane	9.21	93	91532	20.231	ug/l	97
47) Bromodichloromethane	9.40	83	190917	20.296	ug/l	98
48) Methyl methacrylate	9.20	41	99694	20.349	ug/l	98
49) 1,4-Dioxane	9.20	88	26990	404.440	ug/l #	95
51) 4-Methyl-2-Pentanone	9.99	43	546412	108.342	ug/l	100
52) Toluene	10.16	92	348127	19.990	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	180173	19.128	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	220496	19.754	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	135480	21.589	ug/l	96
56) Ethyl methacrylate	10.43	69	151855	20.455	ug/l	98
57) 1,3-Dichloropropane	10.71	76	219224	20.441	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	332366	77.887	ug/l	100
59) 2-Hexanone	10.75	43	327858	95.758	ug/l	99
60) Dibromochloromethane	10.90	129	144303	20.392	ug/l	100
61) 1,2-Dibromoethane	11.01	107	125563	20.216	ug/l	99
64) Tetrachloroethene	10.63	164	154094	20.043	ug/l	97
65) Chlorobenzene	11.44	112	378041	19.844	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	140617	21.135	ug/l	99
67) Ethyl Benzene	11.51	91	620921	19.841	ug/l	99
68) m/p-Xylenes	11.62	106	484342	40.551	ug/l	97
69) o-Xylene	11.95	106	237494	20.582	ug/l	98
70) Styrene	11.96	104	376102	20.109	ug/l	100
71) Bromoform	12.13	173	96596	21.177	ug/l #	99
73) Isopropylbenzene	12.25	105	625191	21.823	ug/l	100
74) N-amyl acetate	12.07	43	148195	21.512	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	151463	22.091	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	180485	34.481	ug/l #	100
77) Bromobenzene	12.53	156	162128	20.999	ug/l	99
78) n-propylbenzene	12.59	91	693888	20.952	ug/l	100
79) 2-Chlorotoluene	12.67	91	416137	21.180	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	518828	21.840	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	35821	19.243	ug/l	95
82) 4-Chlorotoluene	12.77	91	415288	20.598	ug/l	100
83) tert-Butylbenzene	12.99	119	468993	22.337	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	525219	21.700	ug/l	99
85) sec-Butylbenzene	13.17	105	620187	21.706	ug/l	99
86) p-Isopropyltoluene	13.29	119	586925	23.488	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	279147	20.112	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	268689	19.570	ug/l	99
89) n-Butylbenzene	13.62	91	427771	19.777	ug/l	99
90) Hexachloroethane	13.87	117	92862	22.529	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	281565	21.190	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21422	21.923	ug/l	96

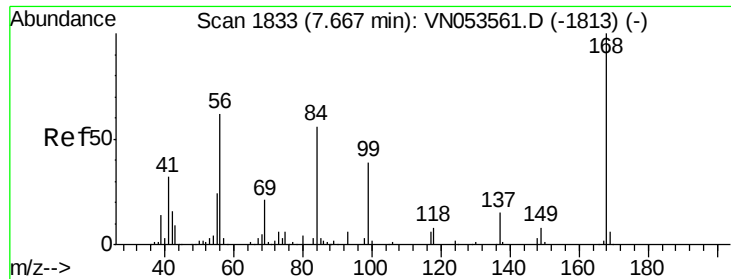
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	139453	18.299	ug/l	99
94) Hexachlorobutadiene	15.01	225	100733	21.225	ug/l	100
95) Naphthalene	15.13	128	284624	17.083	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	138852	19.637	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: VN053779.D

Acq: 14 Feb 2019 15:09

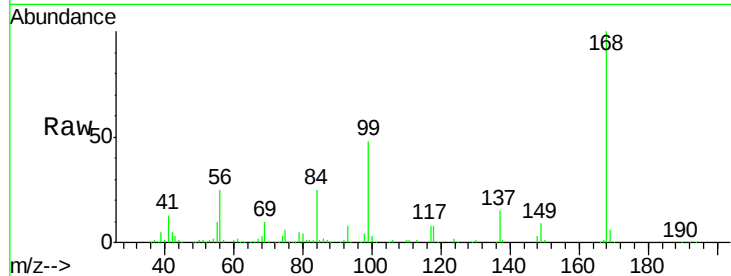
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 661945

Ion Ratio Lower Upper

168 100

99 47.0 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

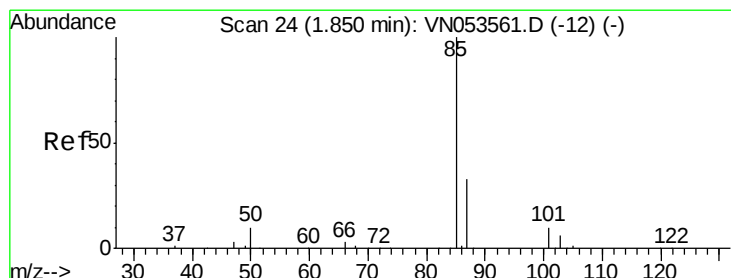
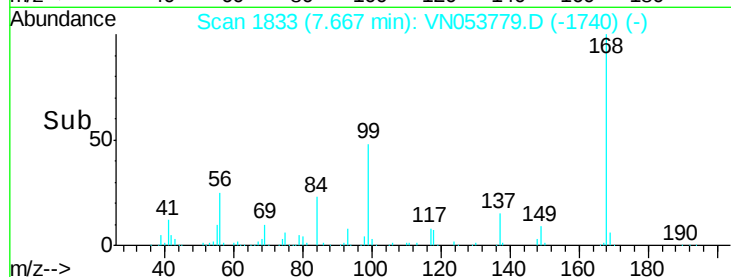
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.459 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053779.D

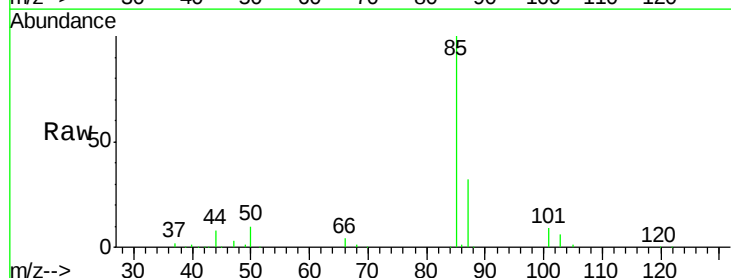
Acq: 14 Feb 2019 15:09

Tgt Ion: 85 Resp: 136153

Ion Ratio Lower Upper

85 100

87 32.2 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

100000

80000

60000

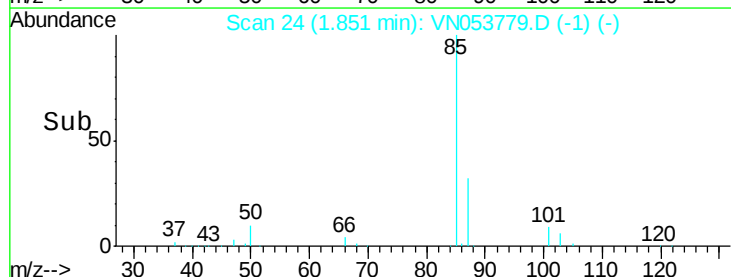
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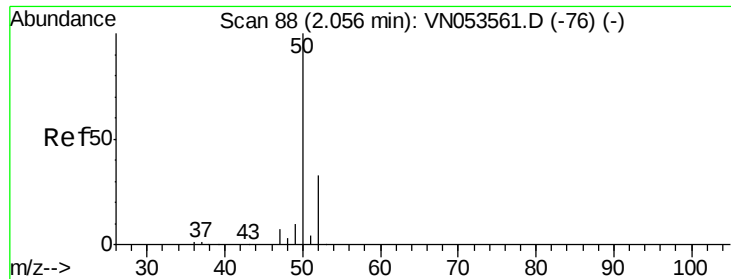
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 20.113 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.01 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

Instrument :

MSVOA_N

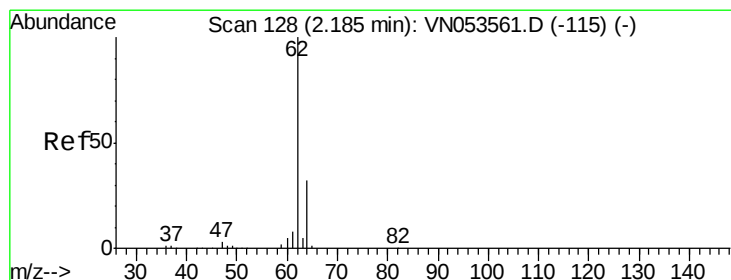
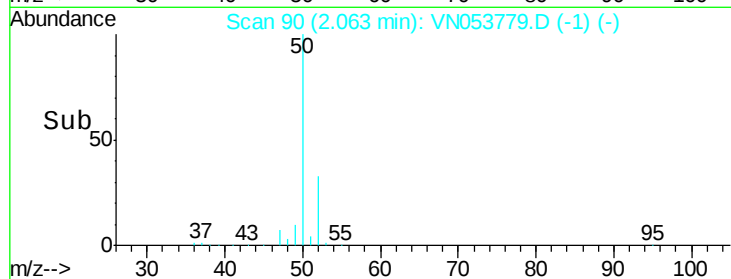
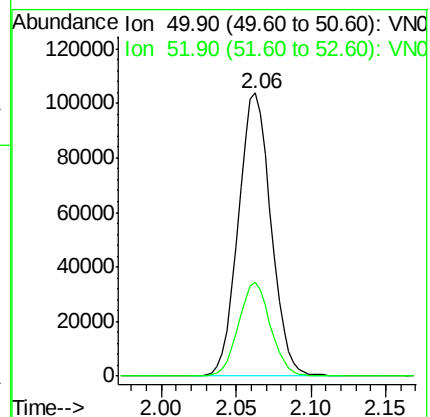
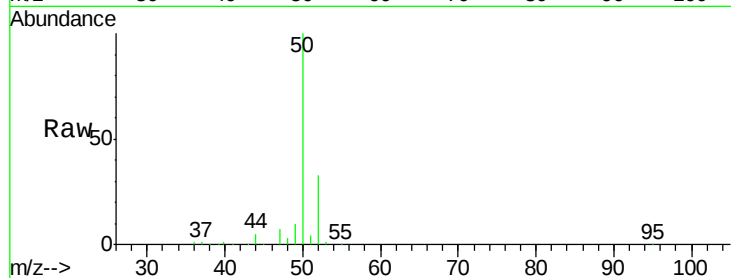
ClientSampleId :

Tot Ion: 50 Resp: 158062

Ion Ratio Lower Upper

50 100

52 33.1 26.6 40.0



#4

Vinyl Chloride

Concen: 21.471 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.01 min

Lab File: VN053779.D

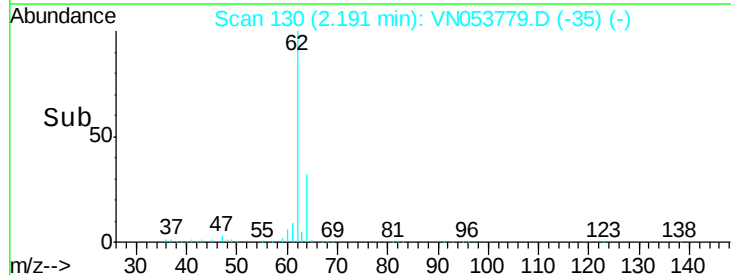
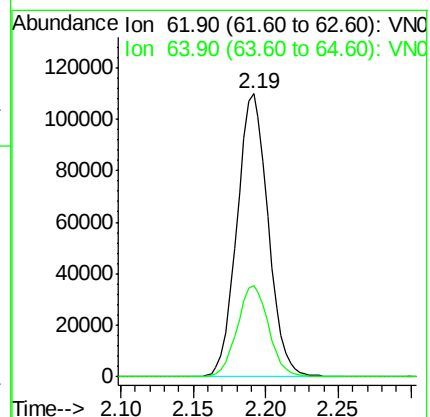
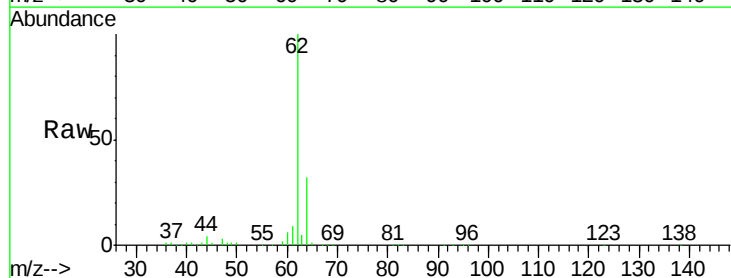
Acq: 14 Feb 2019 15:09

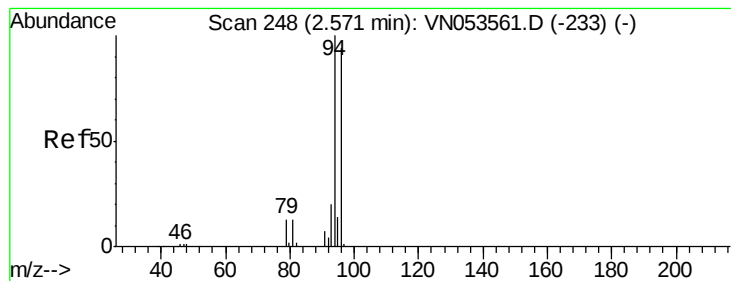
Tgt Ion: 62 Resp: 163798

Ion Ratio Lower Upper

62 100

64 32.4 25.4 38.2





#5

Bromomethane

Concen: 21.664 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.01 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

Instrument :

MSVOA_N

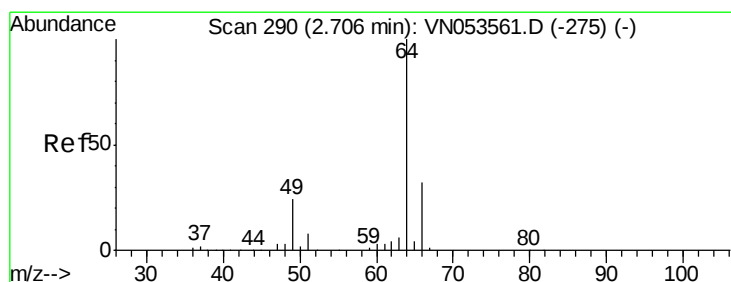
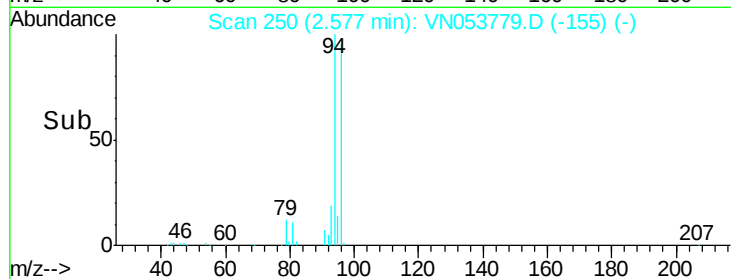
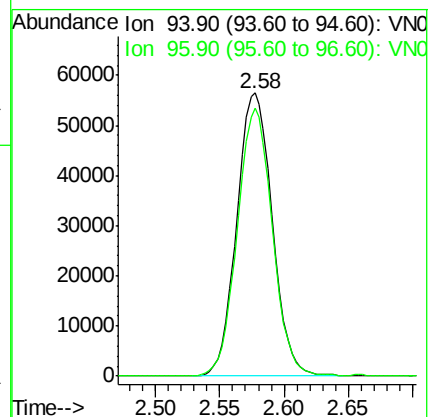
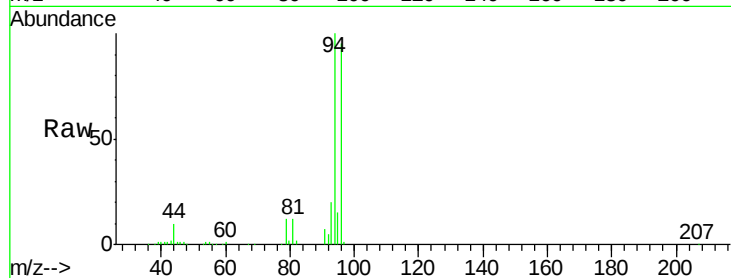
ClientSampled :

Tot Ion: 94 Resp: 108061

Ion Ratio Lower Upper

94 100

96 94.5 76.8 115.2



#6

Chloroethane

Concen: 23.473 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.01 min

Lab File: VN053779.D

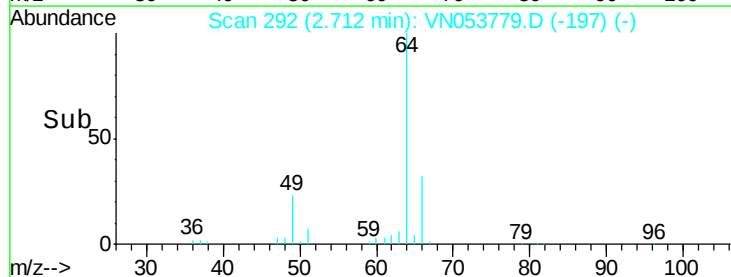
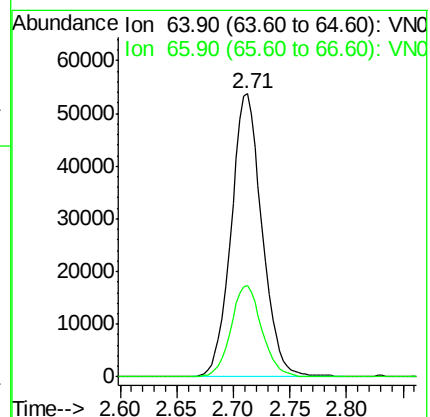
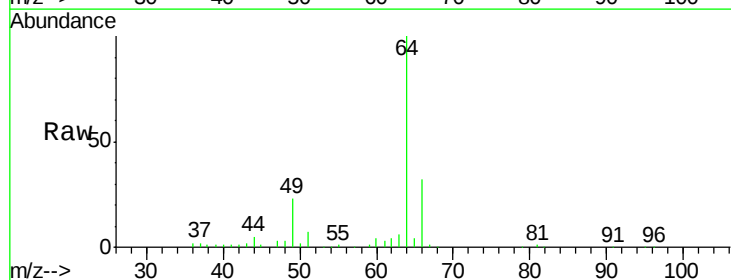
Acq: 14 Feb 2019 15:09

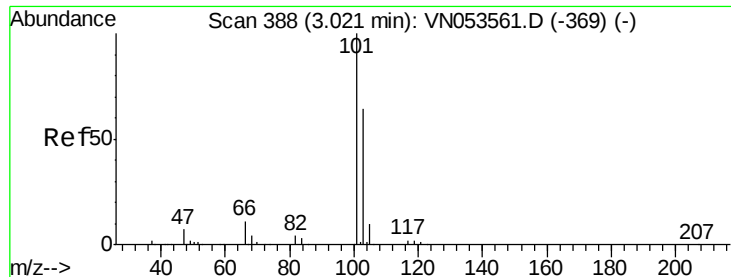
Tgt Ion: 64 Resp: 102329

Ion Ratio Lower Upper

64 100

66 32.2 25.1 37.7



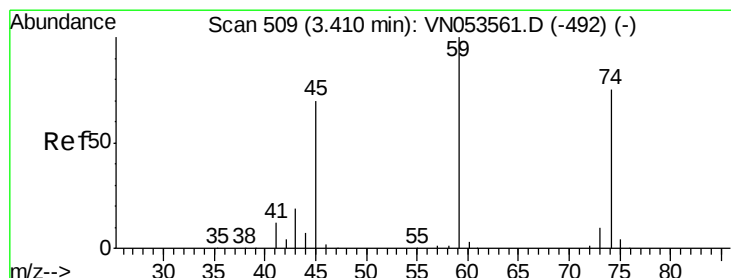
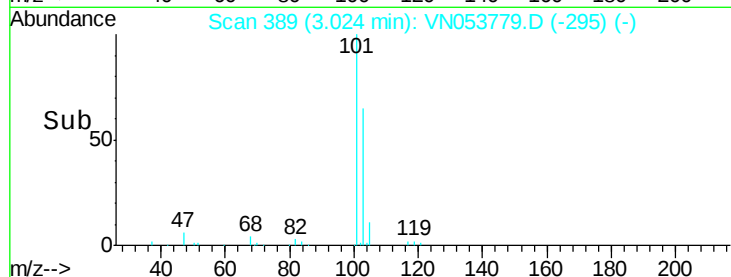
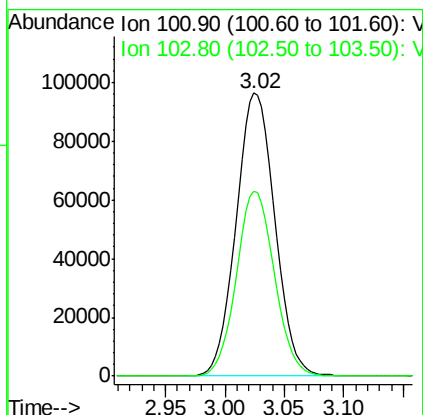
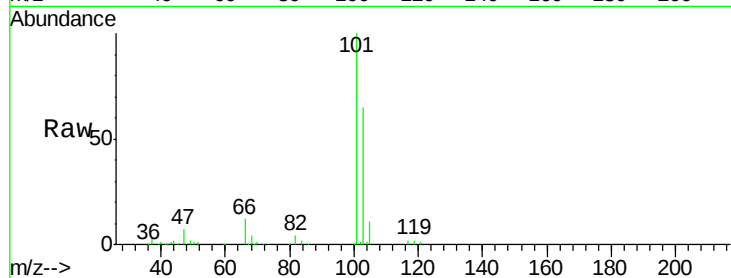


#7

Trichlorofluoromethane
Concen: 21.023 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

Instrument :
MSVOA_N
ClientSampled :

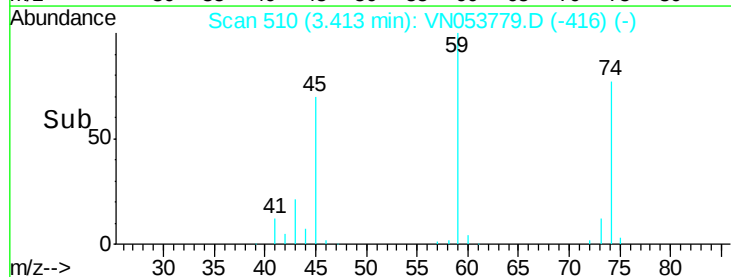
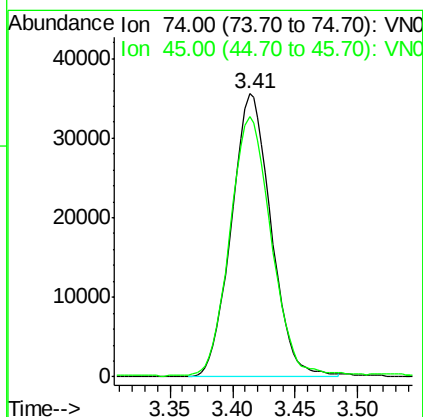
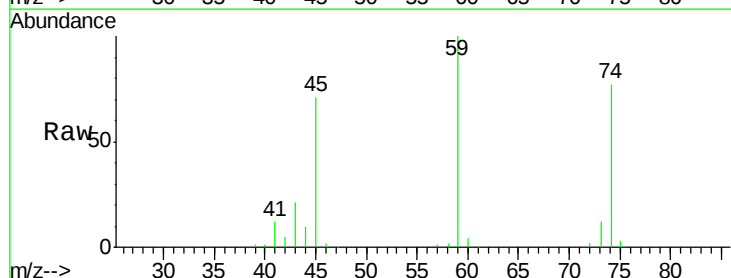
Tot Ion:101 Resp: 217483
Ion Ratio Lower Upper
101 100
103 65.2 51.6 77.4



#8

Diethyl Ether
Concen: 20.705 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

Tgt Ion: 74 Resp: 78226
Ion Ratio Lower Upper
74 100
45 95.3 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.200 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

Instrument :

MSVOA_N

ClientSampleId :

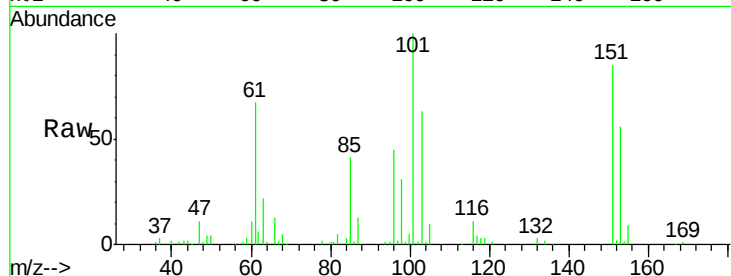
Tot Ion:101 Resp: 129241

Ion Ratio Lower Upper

101 100

85 41.9 32.8 49.2

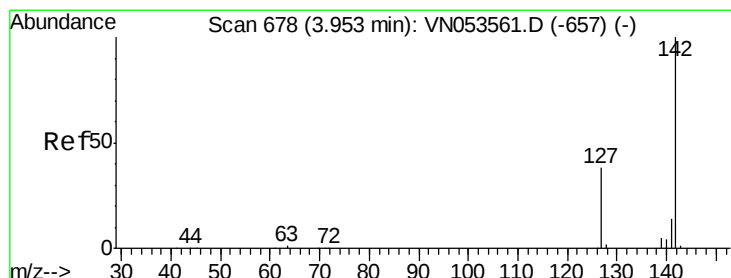
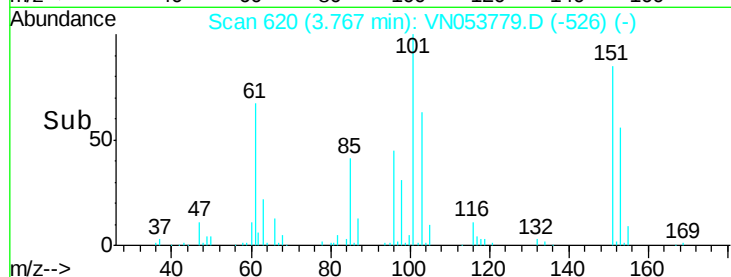
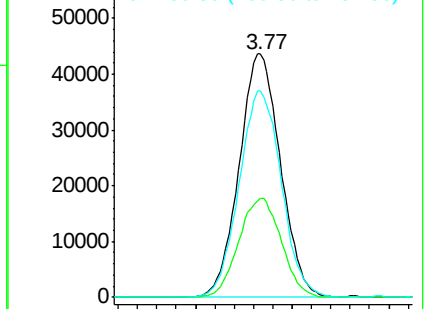
151 86.9 66.9 100.3



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: 19.086 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

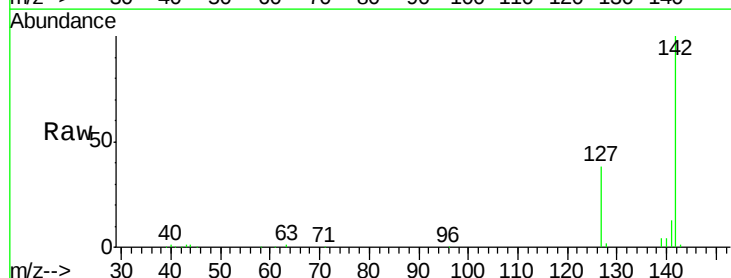
Tgt Ion:142 Resp: 191664

Ion Ratio Lower Upper

142 100

127 38.4 31.0 46.4

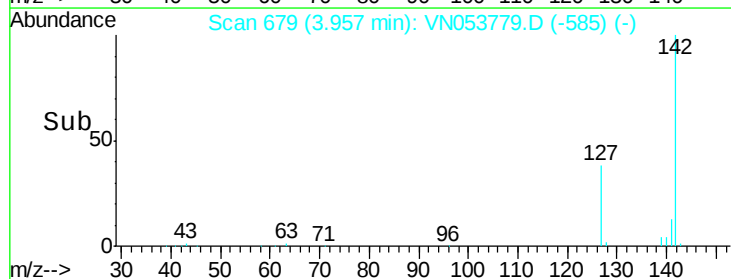
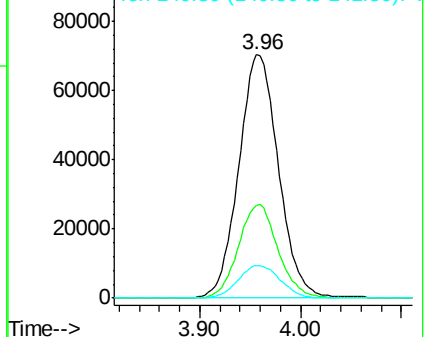
141 14.2 11.1 16.7

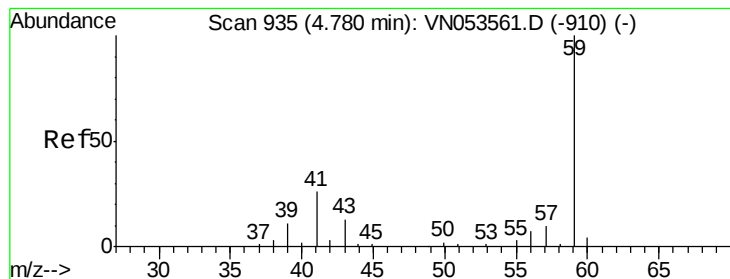


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



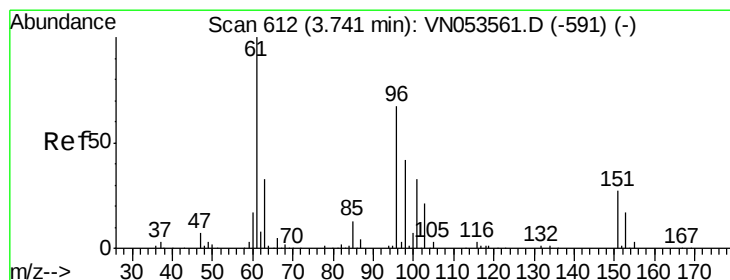
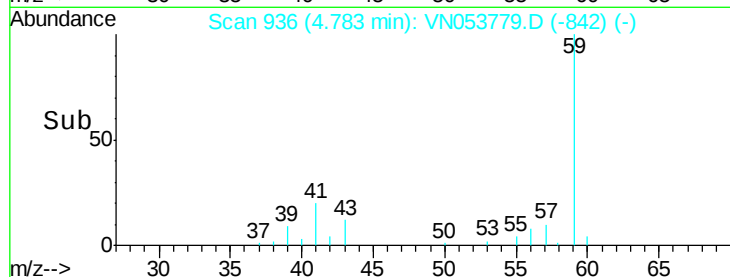
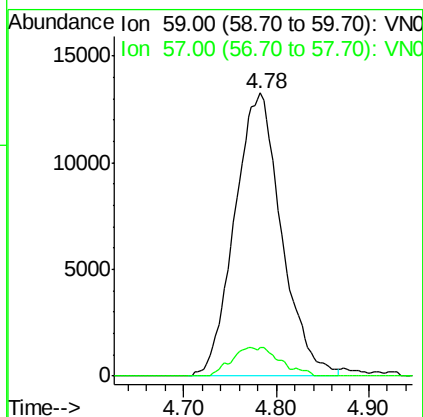
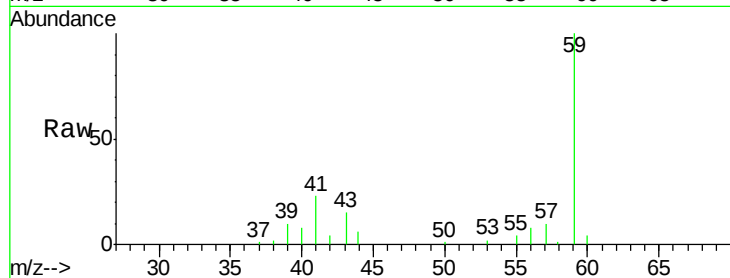


#11

Tert butyl alcohol
Concen: 118.326 ug/l
RT: 4.78 min Scan# 936
Delta R.T. 0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

Instrument :
MSVOA_N
ClientSampled :

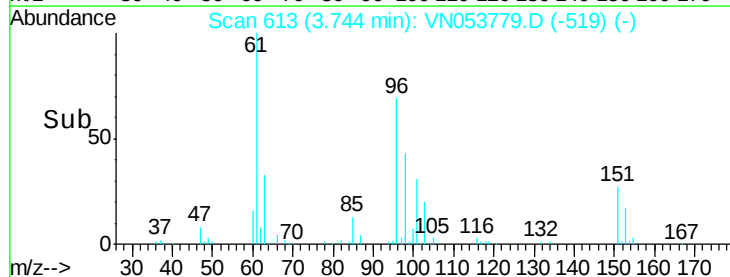
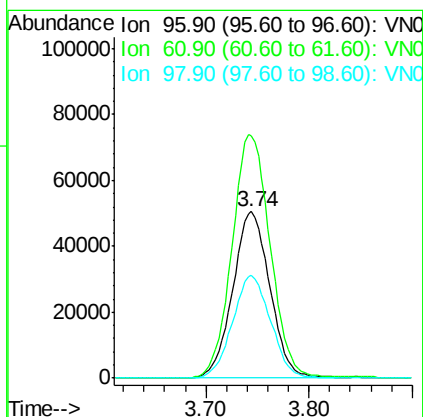
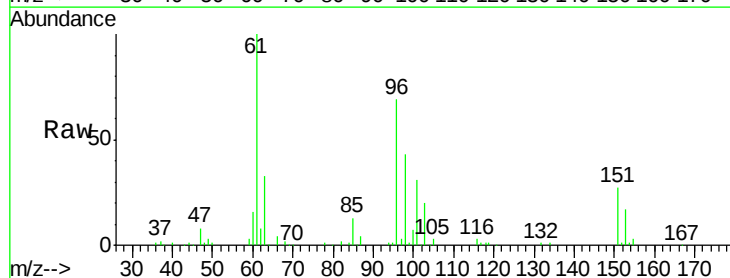
Tot Ion: 59 Resp: 46503
Ion Ratio Lower Upper
59 100
57 5.7 8.2 12.4#

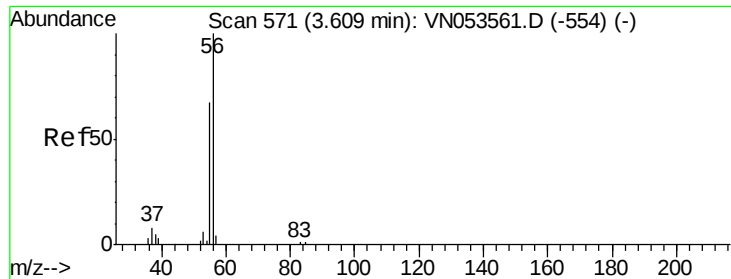


#12

1,1-Dichloroethene
Concen: 20.691 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

Tgt Ion: 96 Resp: 126830
Ion Ratio Lower Upper
96 100
61 145.3 122.9 184.3
98 61.9 49.4 74.0





#13

Acrolein

Concen: 129.903 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

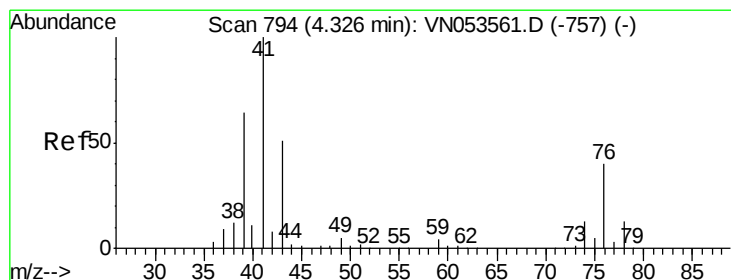
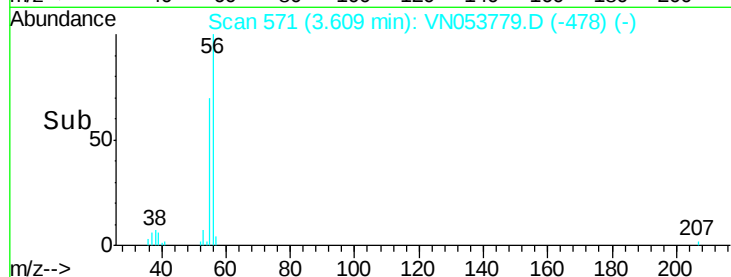
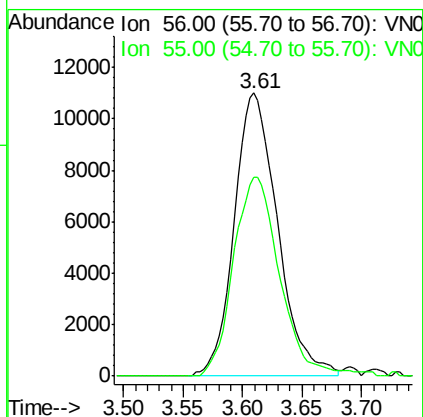
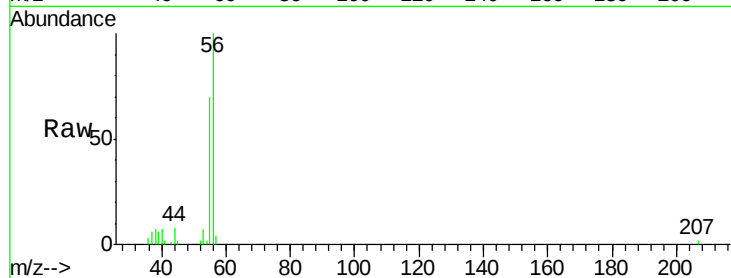
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 27796

Ion Ratio Lower Upper

56 100

55 74.0 57.4 86.0



#14

Allyl chloride

Concen: 20.322 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

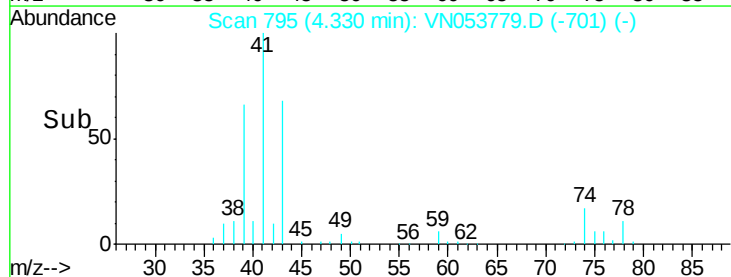
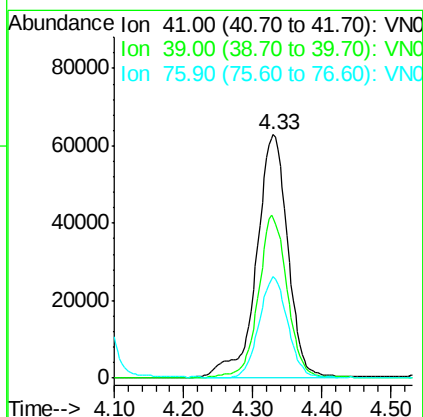
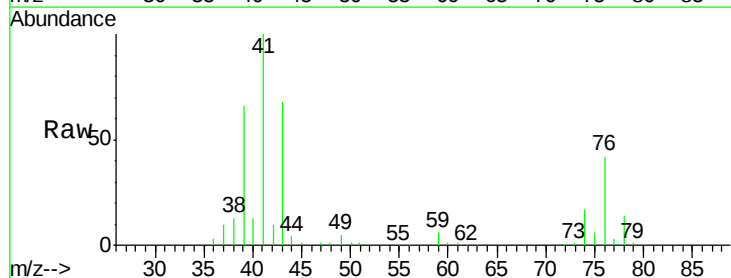
Tgt Ion: 41 Resp: 198342

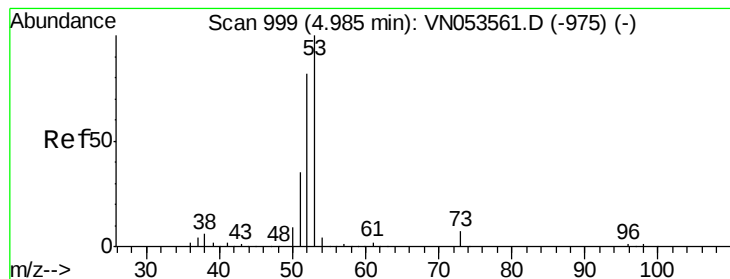
Ion Ratio Lower Upper

41 100

39 61.3 48.9 73.3

76 36.8 29.4 44.2





#15

Acrylonitrile

Concen: 114.810 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

Instrument :

MSVOA_N

ClientSampled :

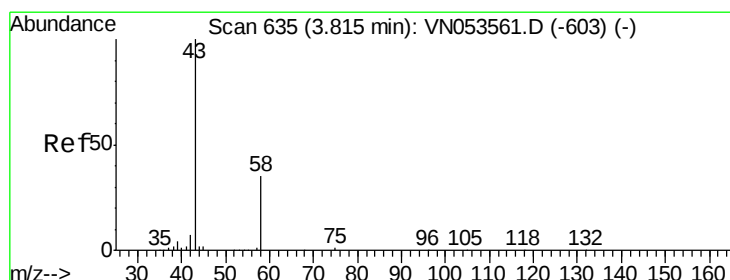
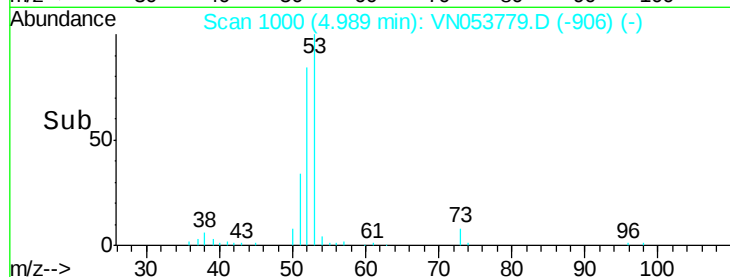
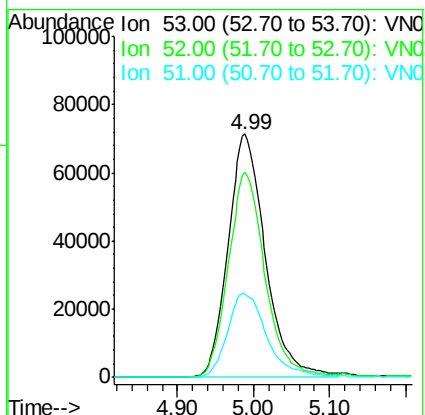
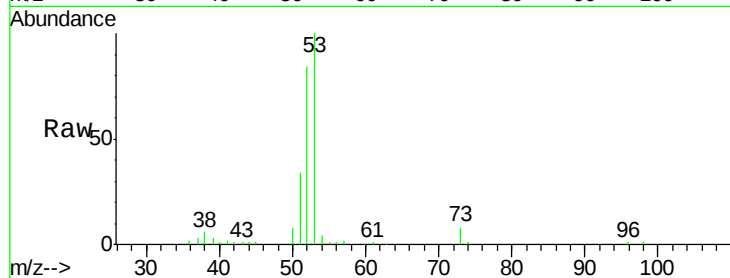
Tot Ion: 53 Resp: 243585

Ion Ratio Lower Upper

53 100

52 82.7 66.0 99.0

51 36.7 28.3 42.5



#16

Acetone

Concen: 99.644 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN053779.D

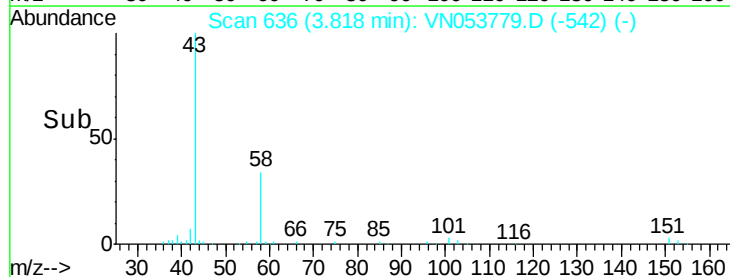
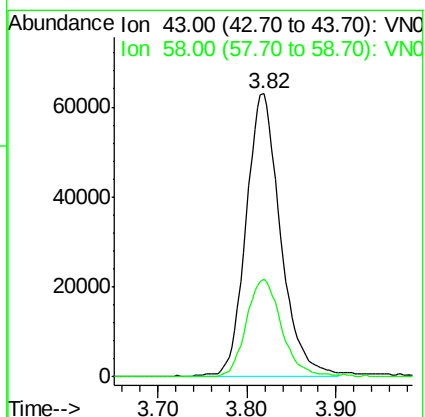
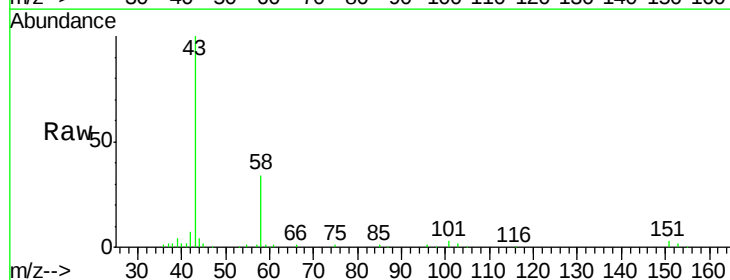
Acq: 14 Feb 2019 15:09

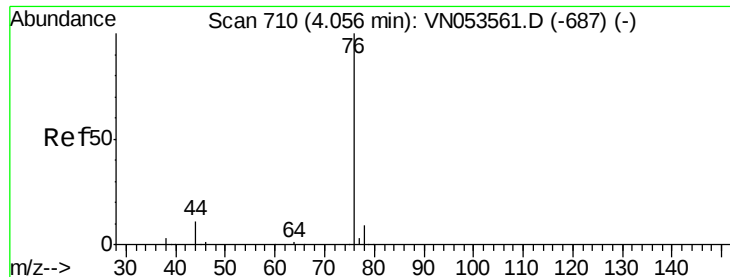
Tgt Ion: 43 Resp: 169727

Ion Ratio Lower Upper

43 100

58 34.4 27.1 40.7





#17

Carbon Disulfide

Concen: 17.558 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

Instrument :

MSVOA_N

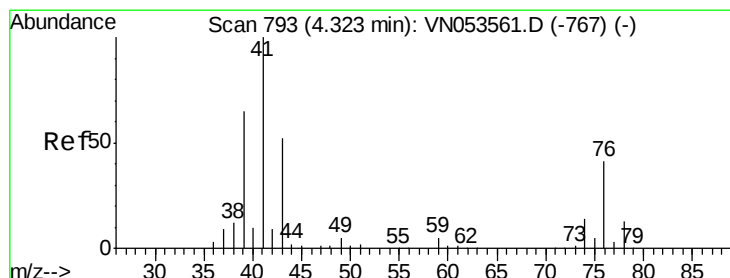
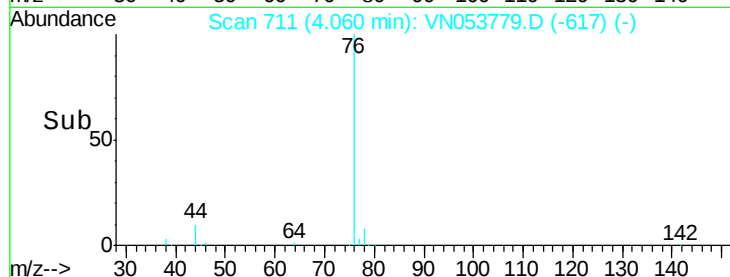
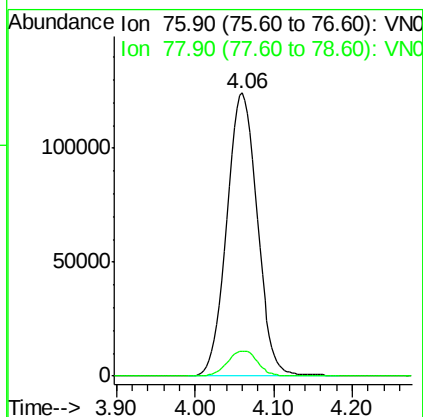
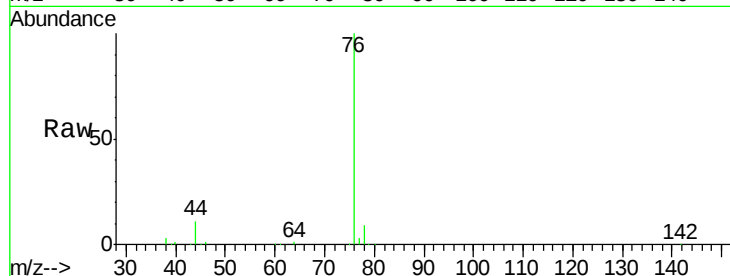
ClientSampled :

Tot Ion: 76 Resp: 335122

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9



#18

Methyl Acetate

Concen: 25.093 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053779.D

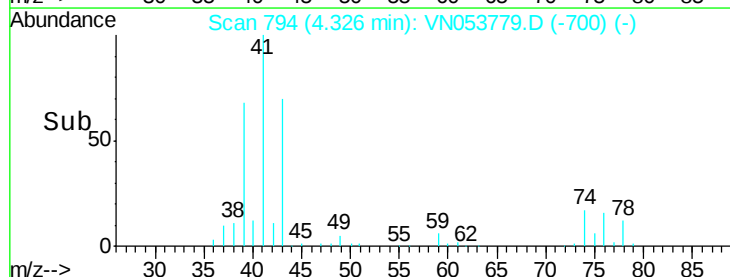
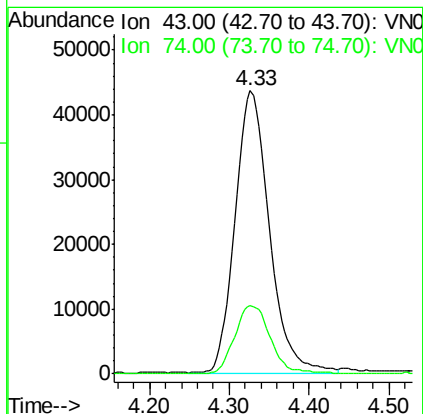
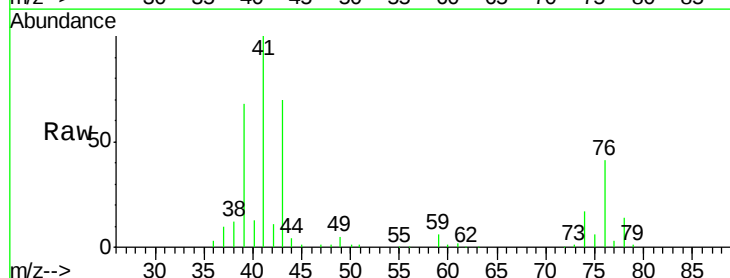
Acq: 14 Feb 2019 15:09

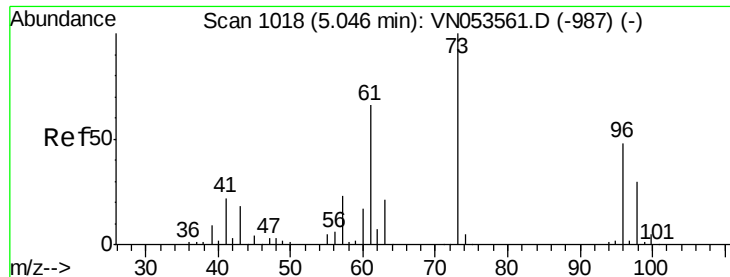
Tgt Ion: 43 Resp: 126578

Ion Ratio Lower Upper

43 100

74 25.3 19.4 29.2

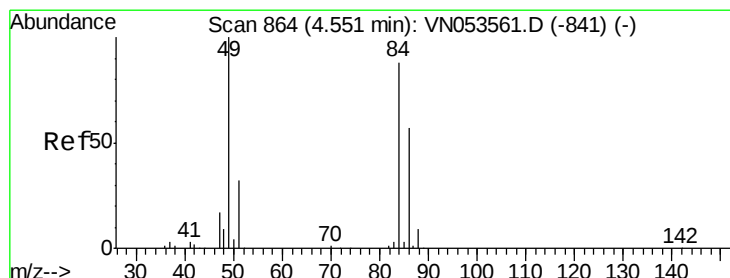
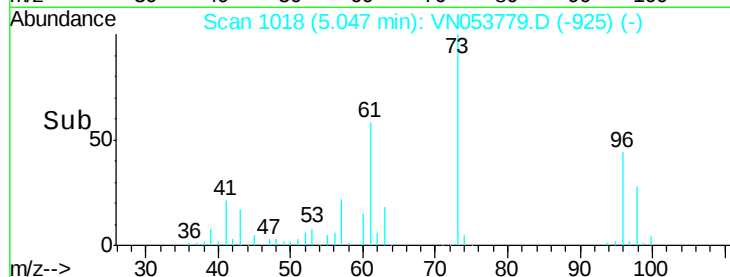
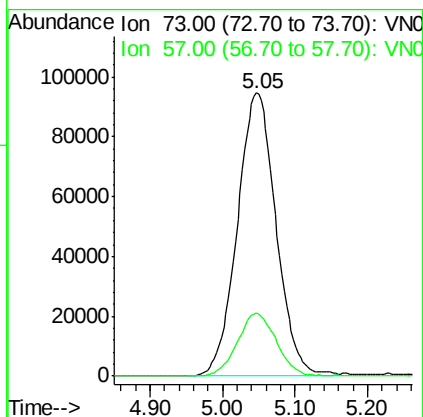
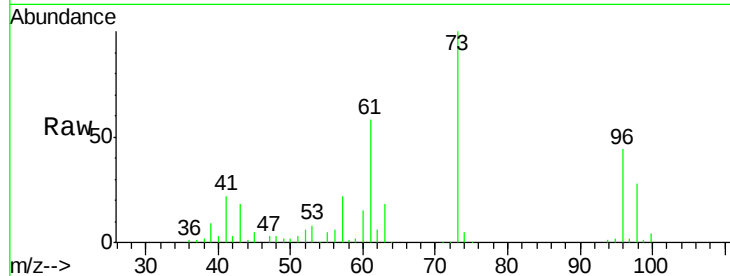




#19
Methvl tert-butvl Ether
Concen: 22.634 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

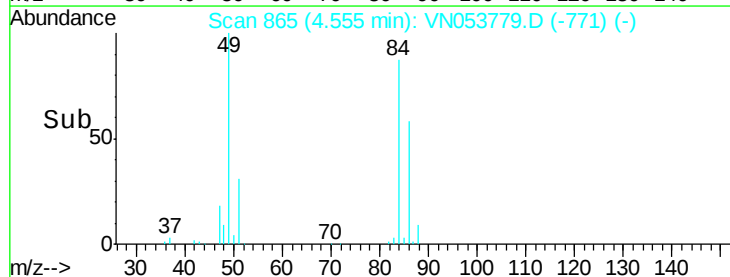
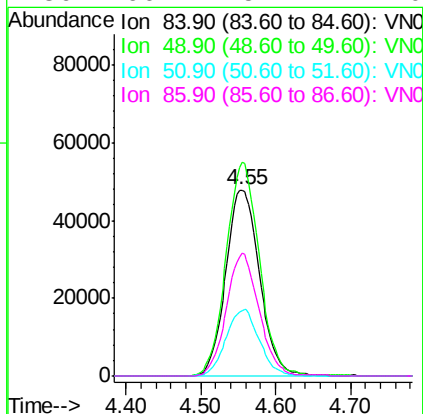
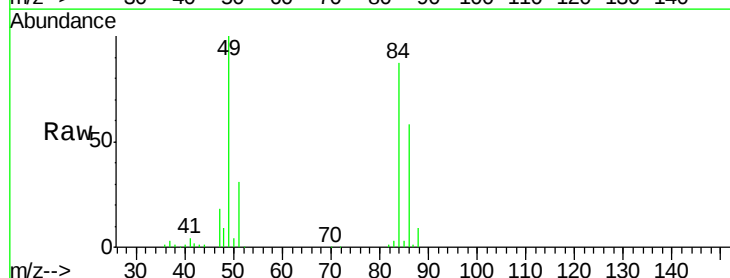
Instrument :
MSVOA_N
ClientSampled :

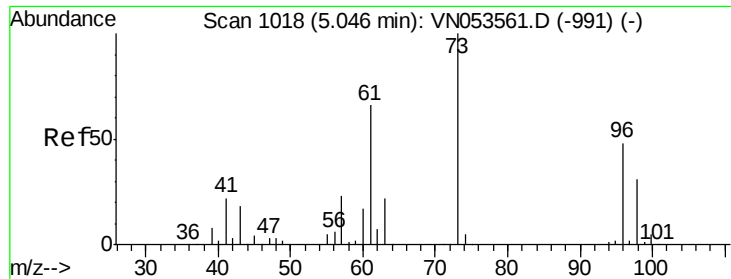
Tot Ion: 73 Resp: 351718
Ion Ratio Lower Upper
73 100
57 22.2 18.3 27.5



#20
Methylene Chloride
Concen: 21.026 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

Tgt Ion: 84 Resp: 150257
Ion Ratio Lower Upper
84 100
49 114.8 94.3 141.5
51 35.1 29.4 44.2
86 66.2 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 20.049 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

Instrument :
MSVOA_N
ClientSampled :

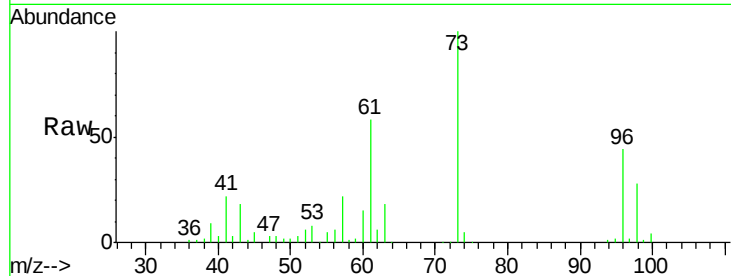
Tot Ion: 96 Resp: 132589

Ion Ratio Lower Upper

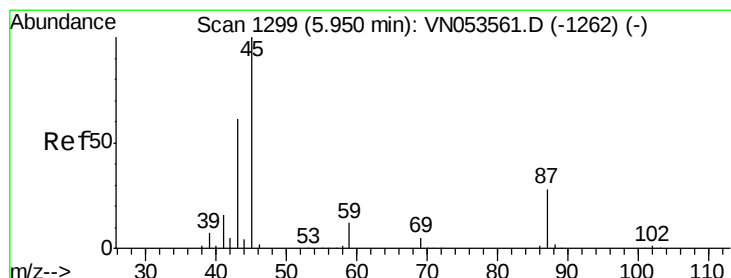
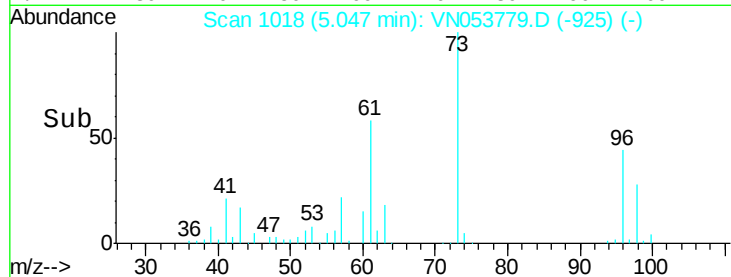
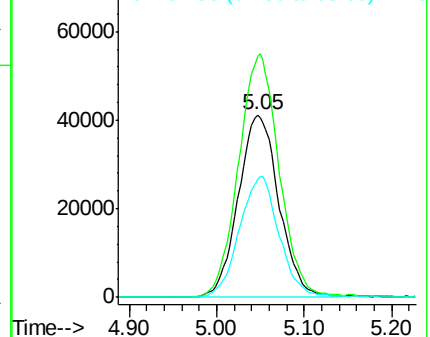
96 100

61 132.2 110.1 165.1

98 64.6 50.0 75.0



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



#22

Diisopropyl ether

Concen: 22.356 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

Tgt Ion: 45 Resp: 404285

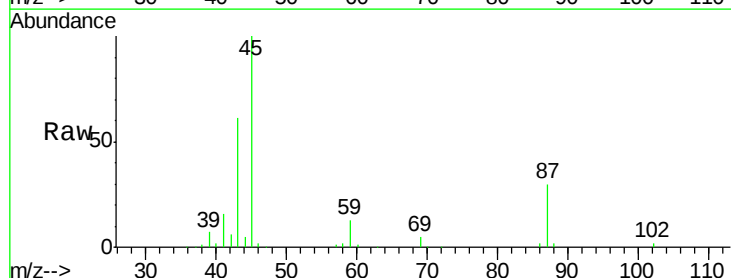
Ion Ratio Lower Upper

45 100

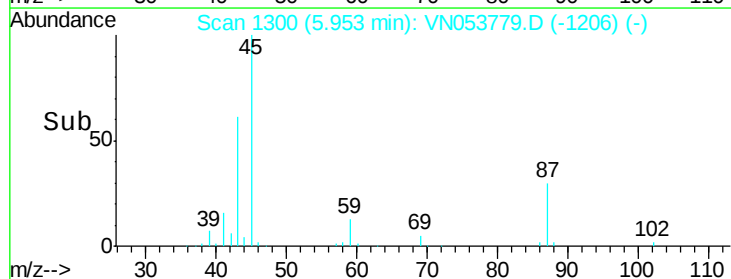
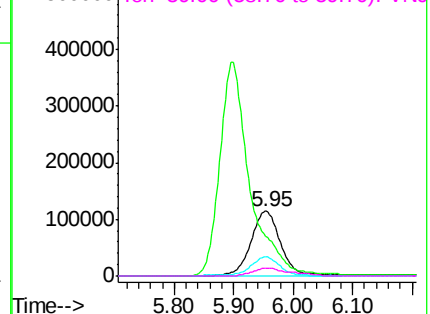
43 60.7 44.2 66.4

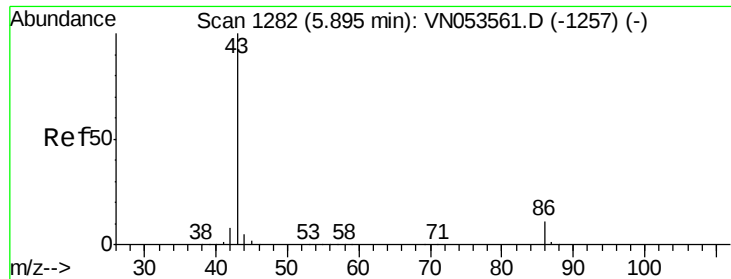
87 29.0 22.7 34.1

59 12.3 9.4 14.2



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





#23

Vinyl Acetate

Concen: 105.987 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

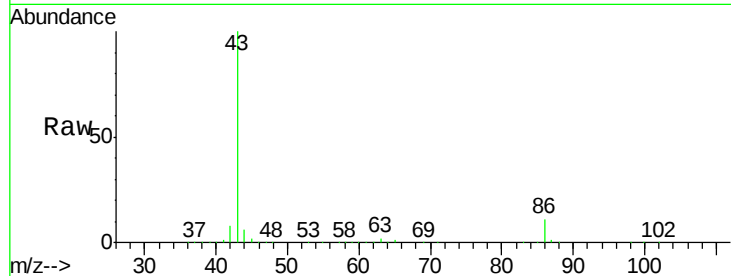
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 1325945

Ion Ratio Lower Upper

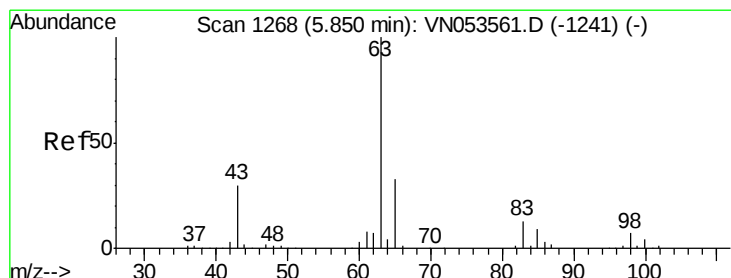
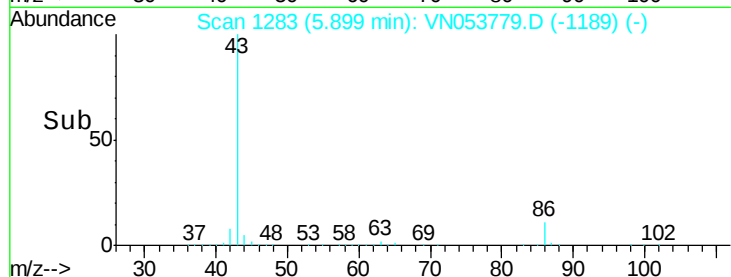
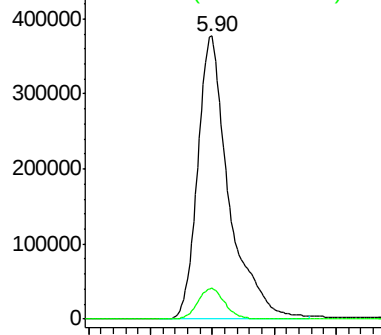
43 100

86 10.9 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 21.445 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

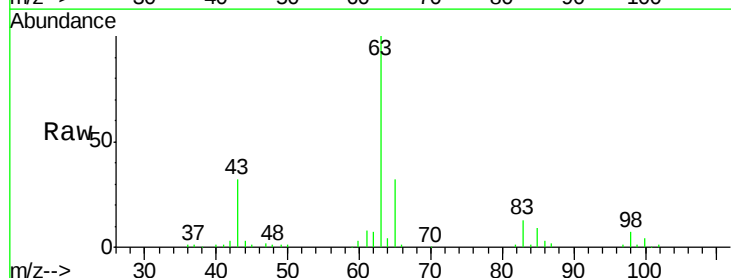
Tgt Ion: 63 Resp: 258672

Ion Ratio Lower Upper

63 100

98 6.9 3.3 9.9

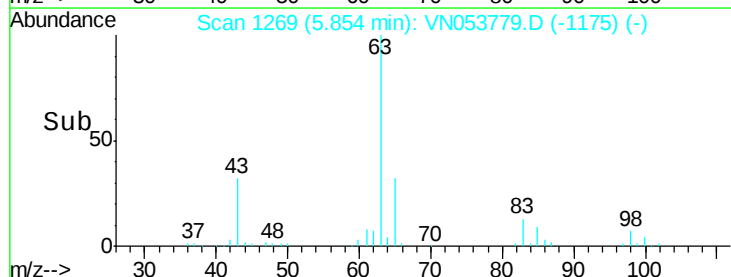
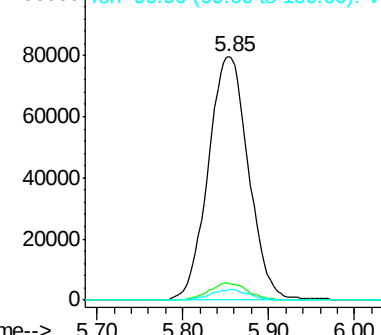
100 4.1 2.1 6.5

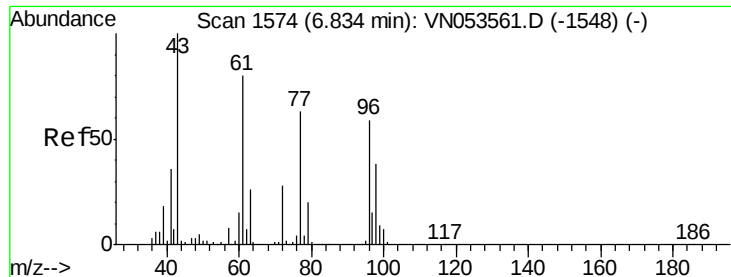


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 107.838 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

Instrument :

MSVOA_N

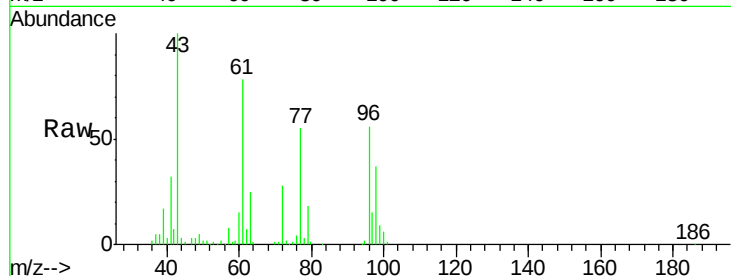
ClientSampled :

Tot Ion: 43 Resp: 261972

Ion Ratio Lower Upper

43 100

72 28.0 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.84

80000

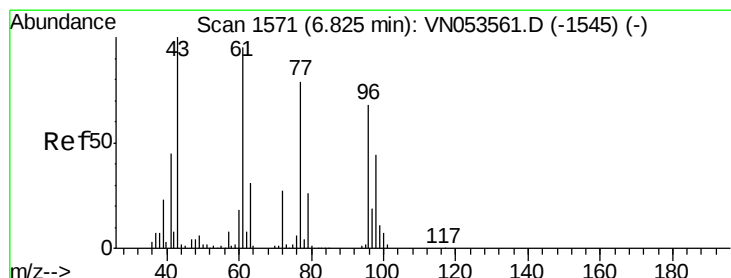
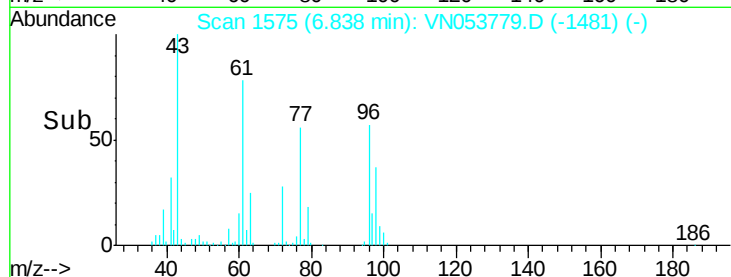
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 19.102 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053779.D

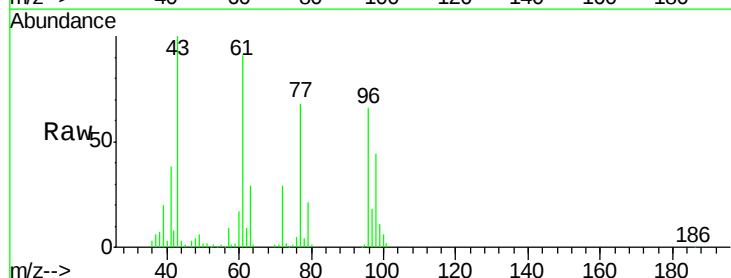
Acq: 14 Feb 2019 15:09

Tgt Ion: 77 Resp: 175887

Ion Ratio Lower Upper

77 100

97 24.9 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.83

60000

50000

40000

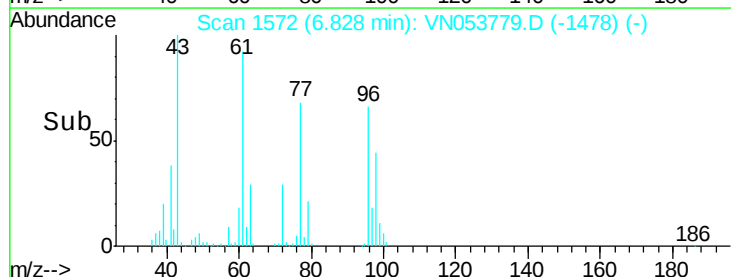
30000

20000

10000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 21.056 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

Instrument :
MSVOA_N
ClientSampleId :

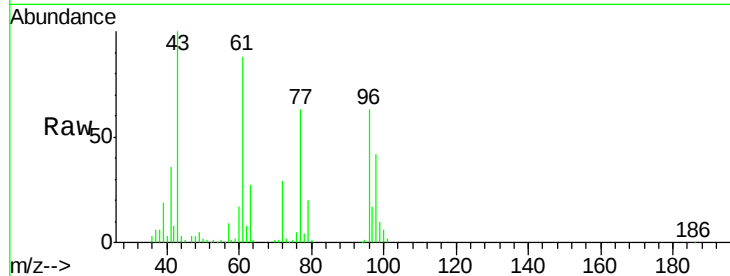
Tot Ion: 96 Resp: 154838

Ion Ratio Lower Upper

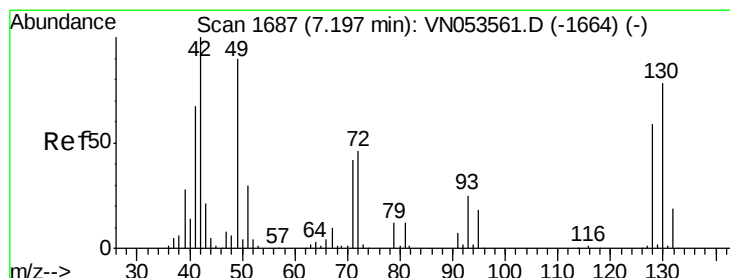
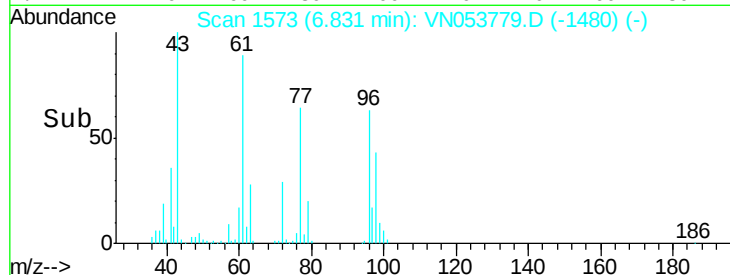
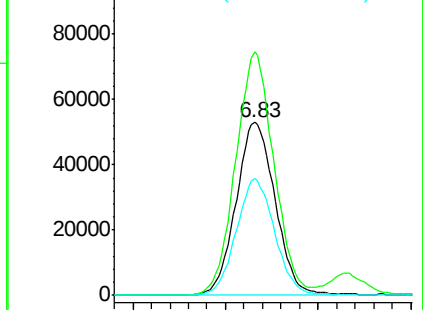
96 100

61 138.0 0.0 283.8

98 66.6 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: 21.240 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

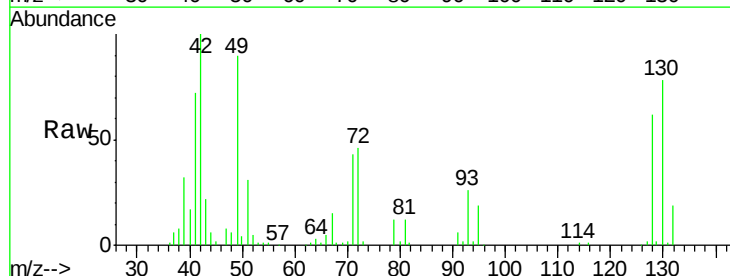
Tgt Ion: 49 Resp: 111178

Ion Ratio Lower Upper

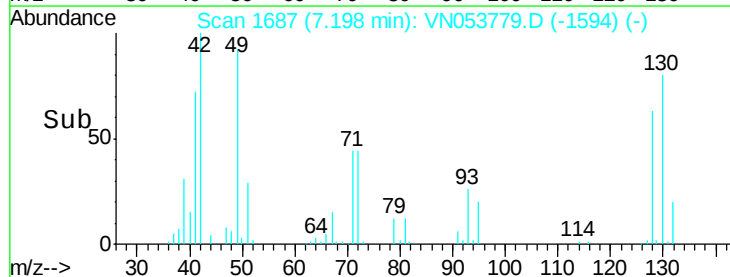
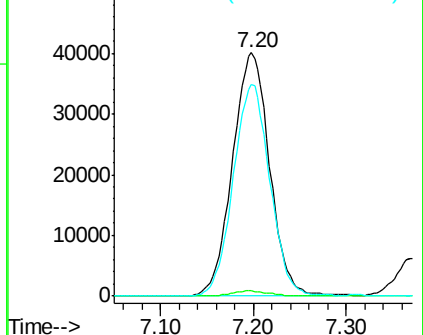
49 100

129 2.0 0.0 4.0

130 86.0 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

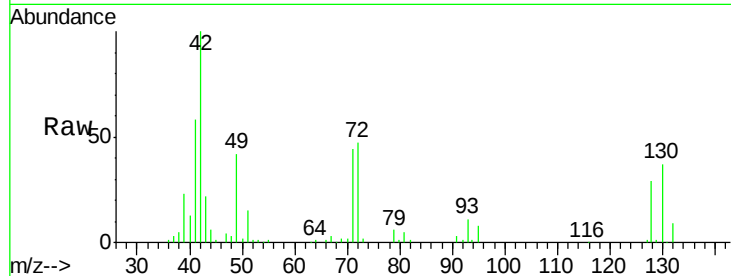




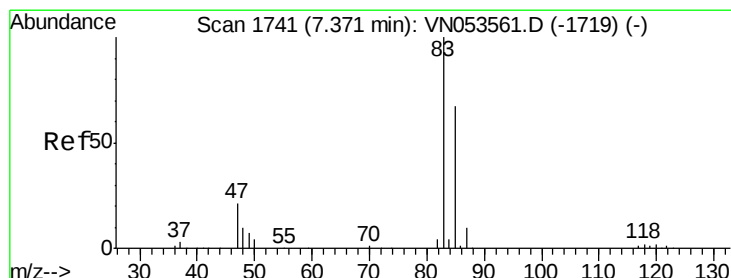
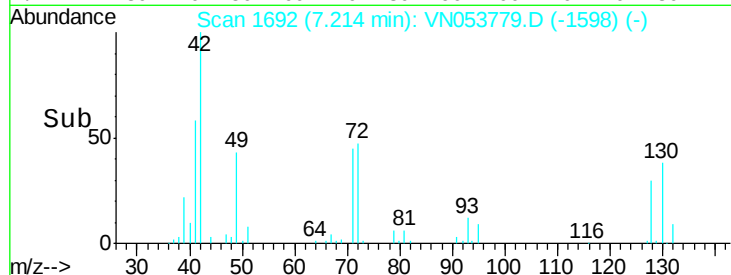
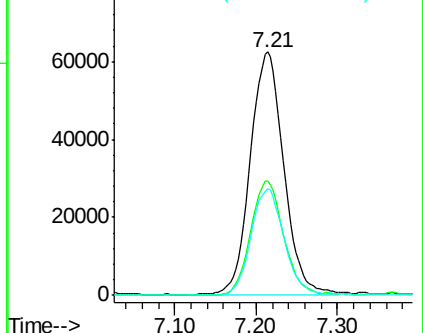
#29
Tetrahydrofuran
Concen: 113.238 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 176644
Ion Ratio Lower Upper
42 100
72 46.3 35.2 52.8
71 43.5 33.0 49.4

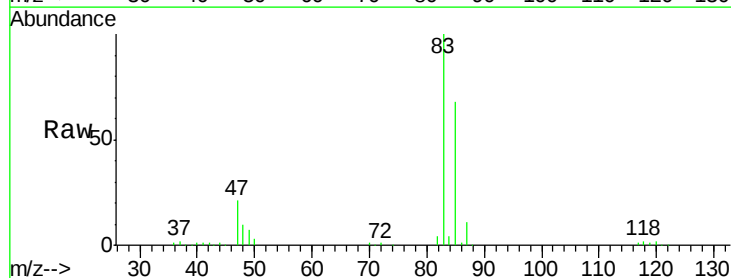


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

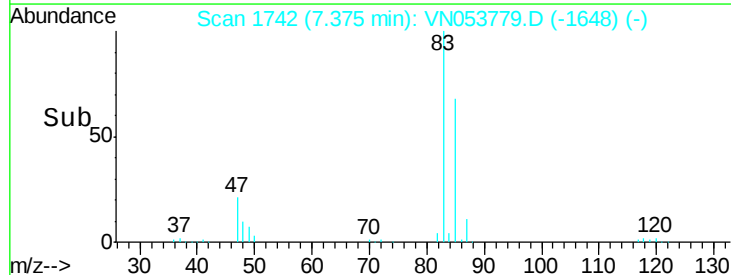
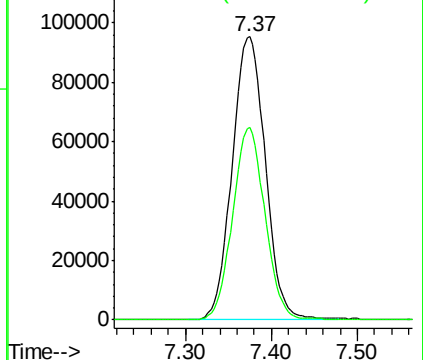


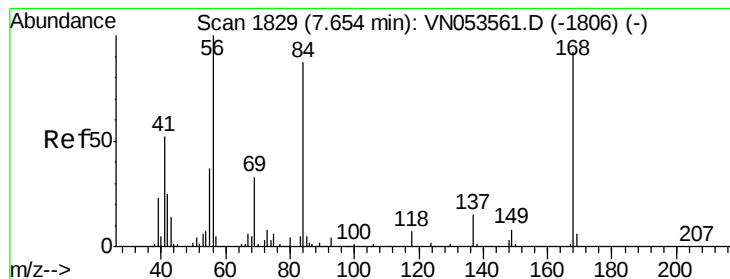
#30
Chloroform
Concen: 21.385 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

Tgt Ion: 83 Resp: 255697
Ion Ratio Lower Upper
83 100
85 68.0 52.2 78.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cvclohexane

Concen: 18.745 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

Instrument :

MSVOA_N

ClientSampleId :

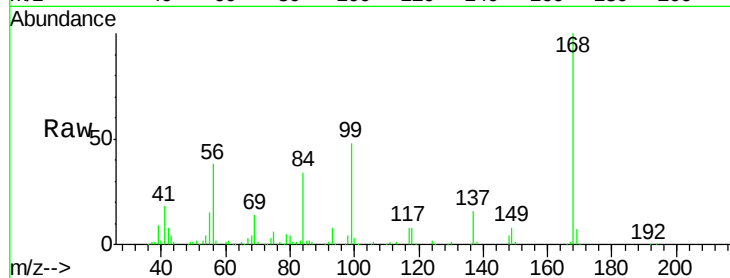
Tot Ion: 56 Resp: 211699

Ion Ratio Lower Upper

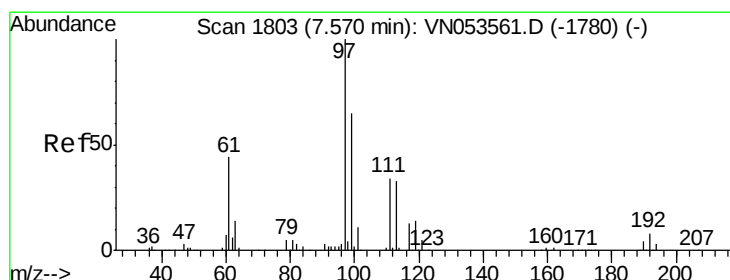
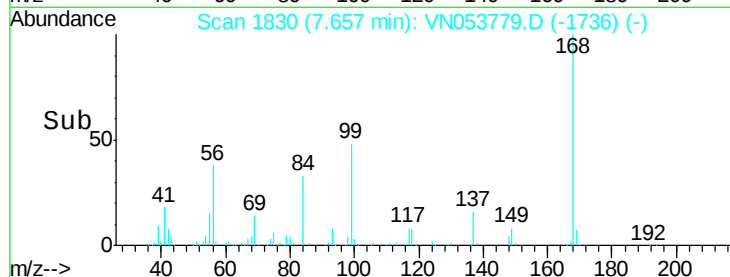
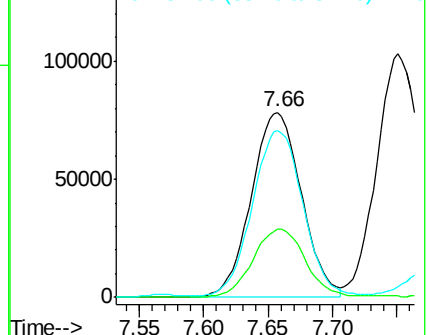
56 100

69 36.8 26.4 39.6

84 89.4 67.9 101.9



Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 21.462 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

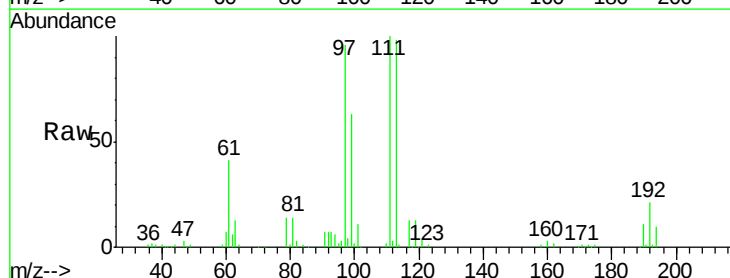
Tgt Ion: 97 Resp: 213568

Ion Ratio Lower Upper

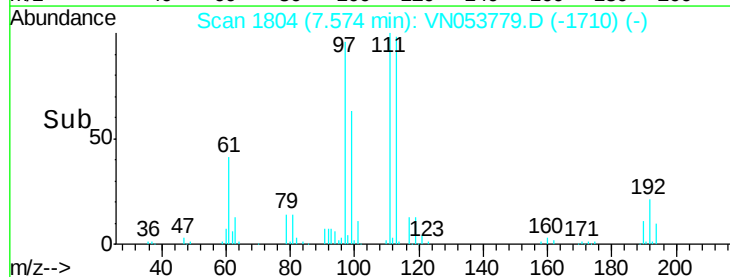
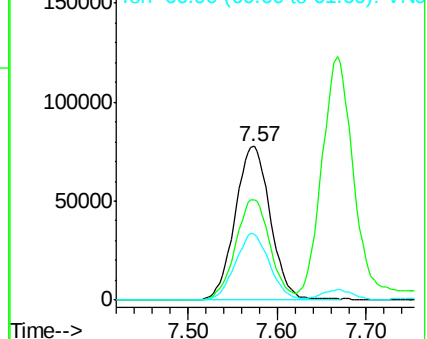
97 100

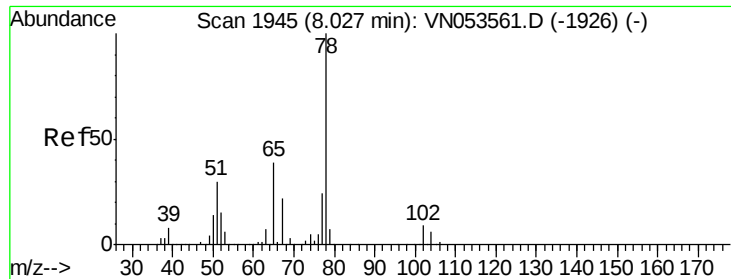
99 63.8 52.0 78.0

61 42.0 34.4 51.6



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC





#33

1,2-Dichloroethane-d4

Concen: 54.917 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

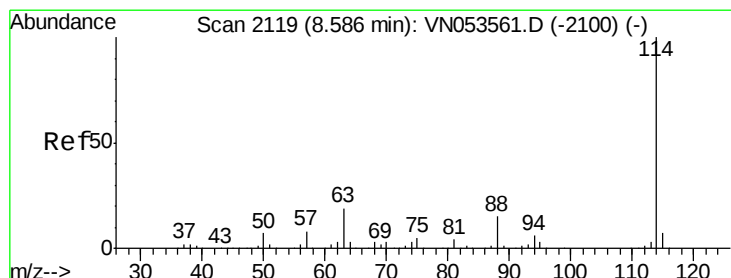
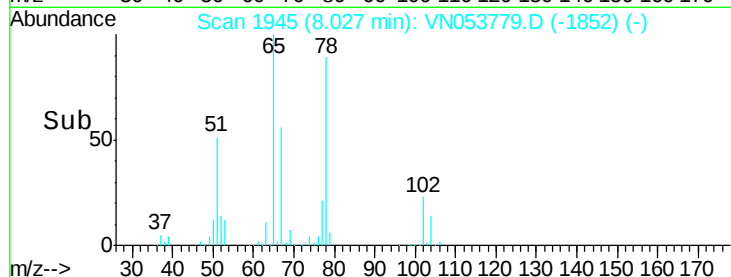
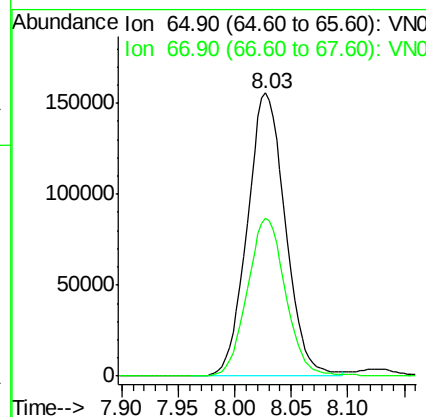
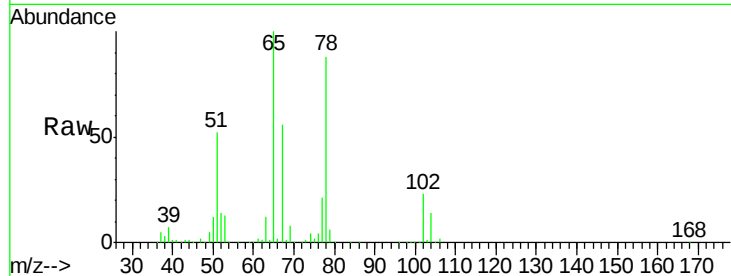
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 65 Resp: 364680

Ion Ratio Lower Upper

65 100

67 55.9 0.0 111.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

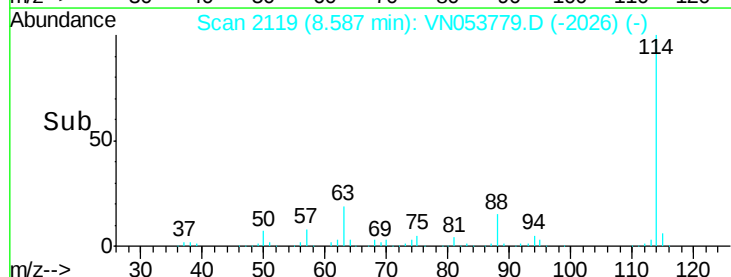
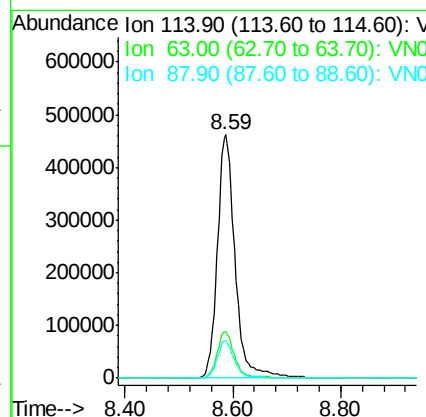
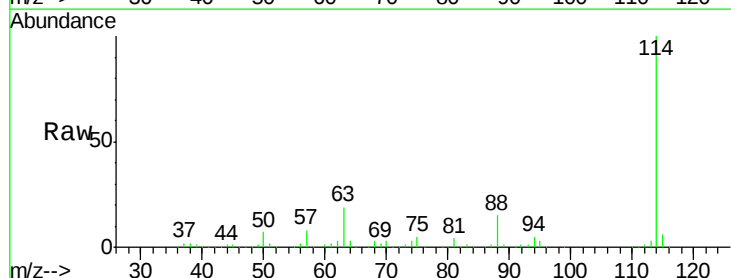
Tgt Ion: 114 Resp: 1055583

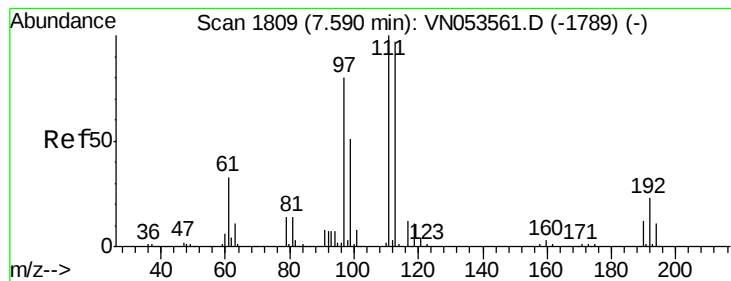
Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.6

88 15.2 0.0 30.4





#35

Dibromofluoromethane

Concen: 53.469 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

Instrument :
MSVOA_N
ClientSampleId :

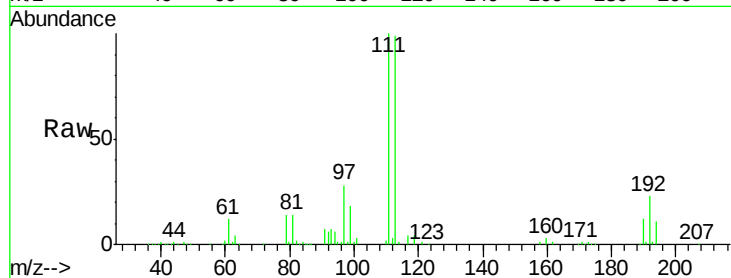
Tot Ion:113 Resp: 356631

Ion Ratio Lower Upper

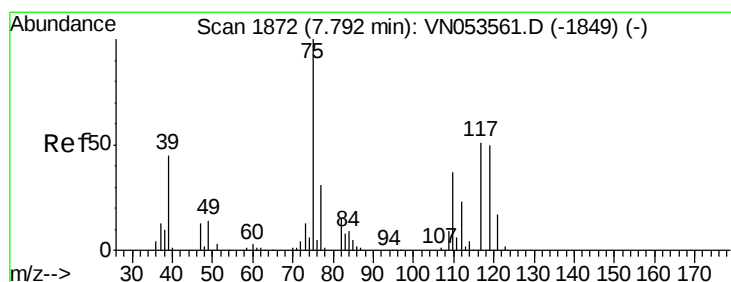
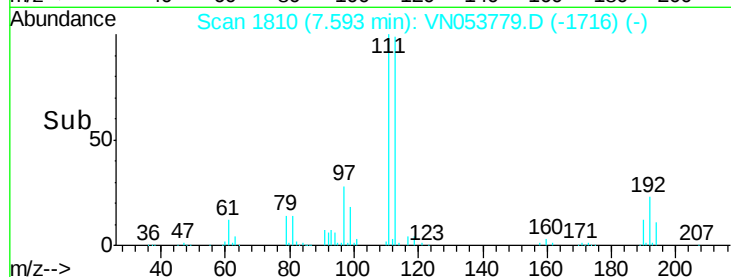
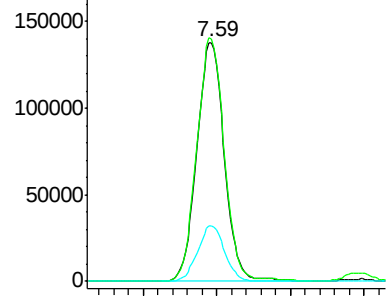
113 100

111 101.7 81.1 121.7

192 23.0 18.2 27.2



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.586 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

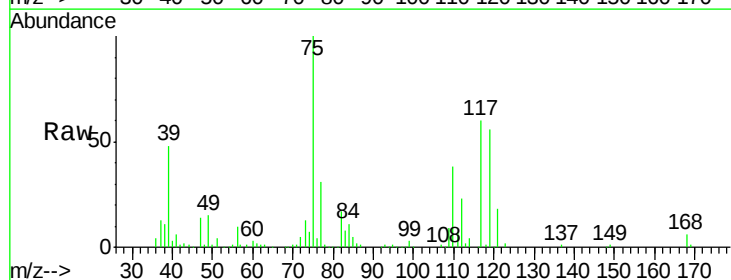
Tgt Ion: 75 Resp: 186372

Ion Ratio Lower Upper

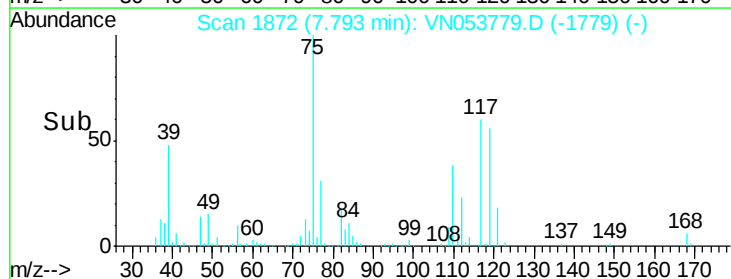
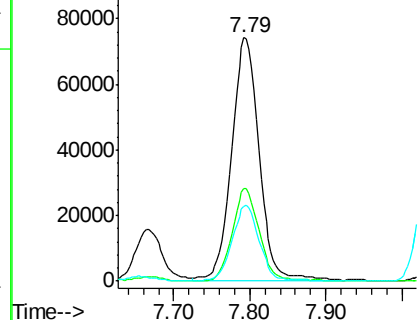
75 100

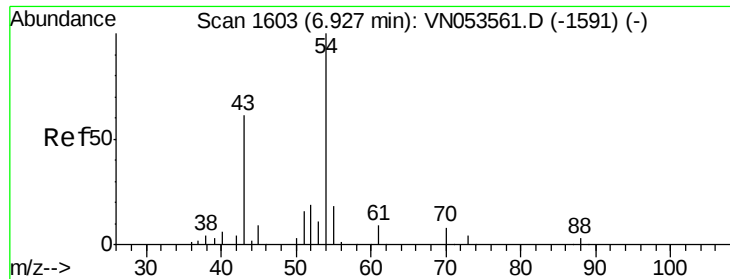
110 37.1 18.1 54.3

77 31.0 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

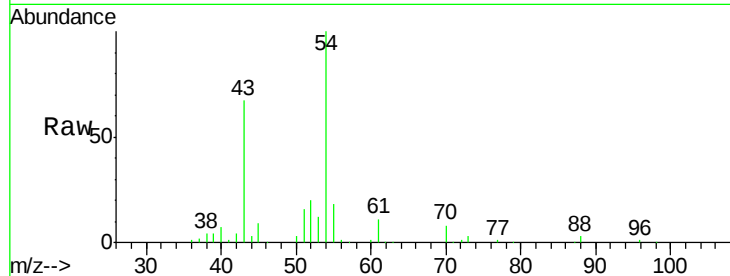




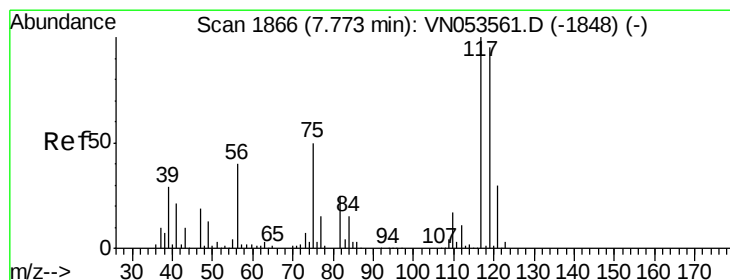
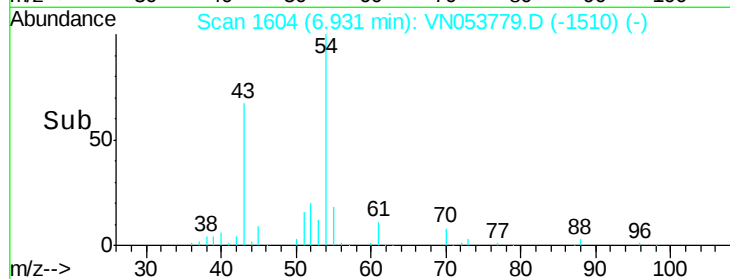
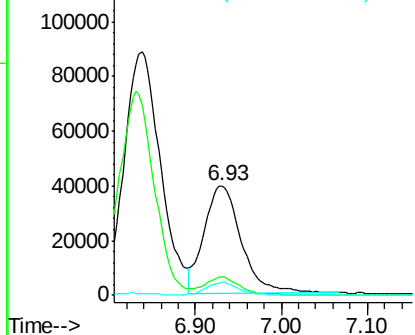
#37
Ethyl Acetate
Concen: 22.626 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 120245
Ion Ratio Lower Upper
43 100
61 14.0 11.8 17.6
70 10.6 8.6 12.8

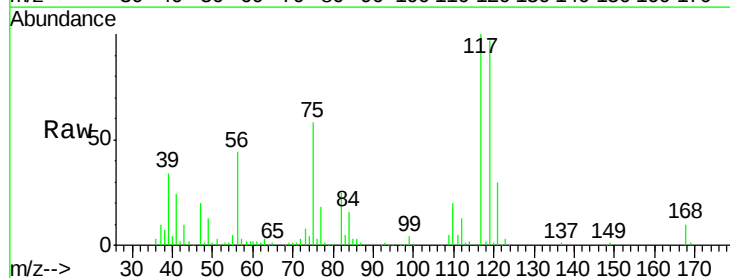


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

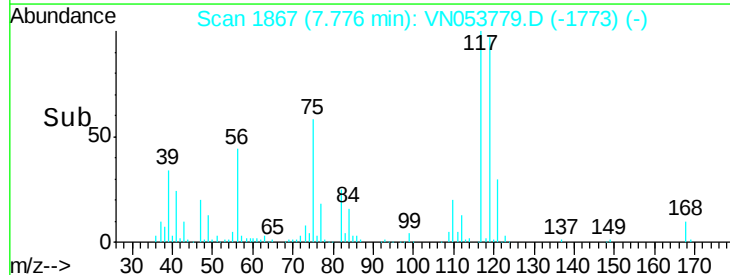
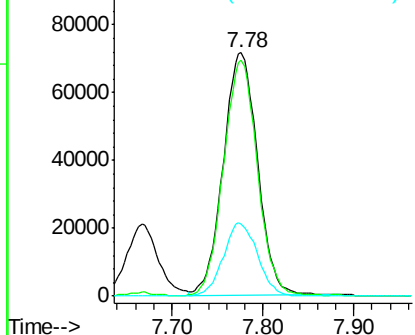


#38
Carbon Tetrachloride
Concen: 19.545 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

Tgt Ion: 117 Resp: 187354
Ion Ratio Lower Upper
117 100
119 96.8 77.2 115.8
121 29.8 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

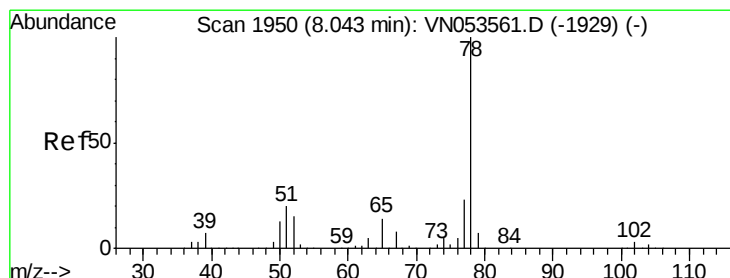
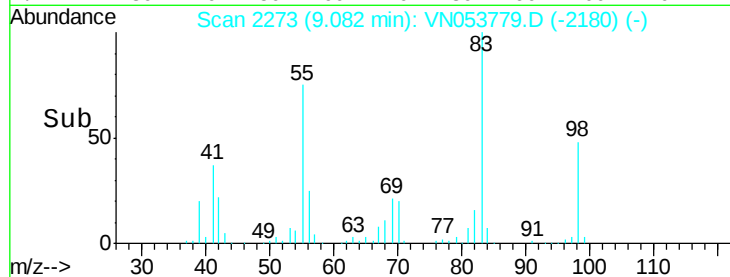
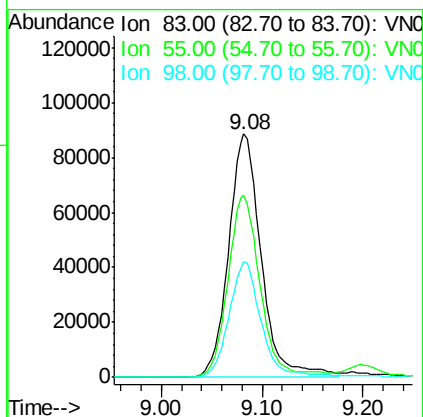
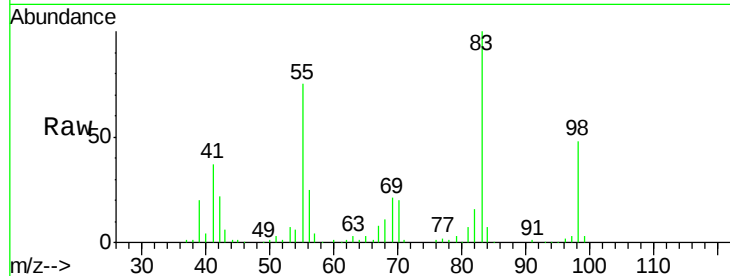




#39
Methvlcvclohexane
Concen: 17.644 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

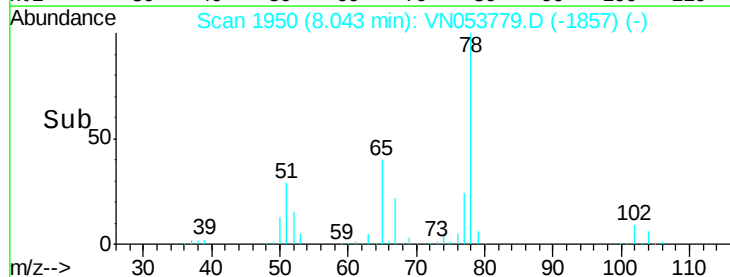
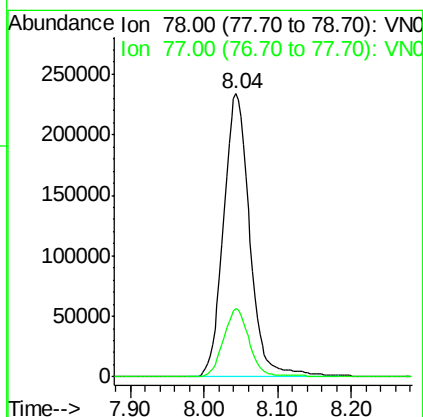
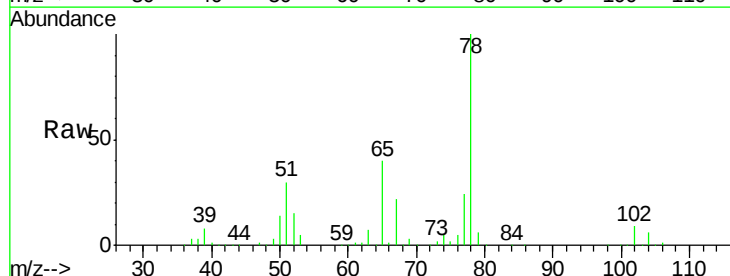
Instrument :
MSVOA_N
ClientSampled :

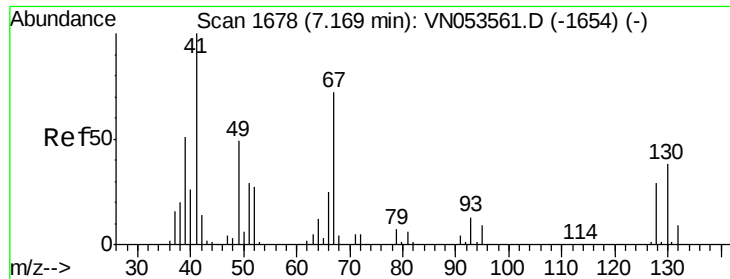
Tot Ion: 83 Resp: 199179
Ion Ratio Lower Upper
83 100
55 74.9 60.1 90.1
98 47.6 36.6 55.0



#40
Benzene
Concen: 19.772 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

Tgt Ion: 78 Resp: 580184
Ion Ratio Lower Upper
78 100
77 24.0 18.8 28.2

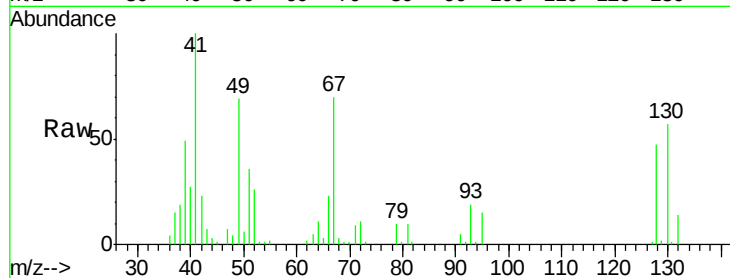




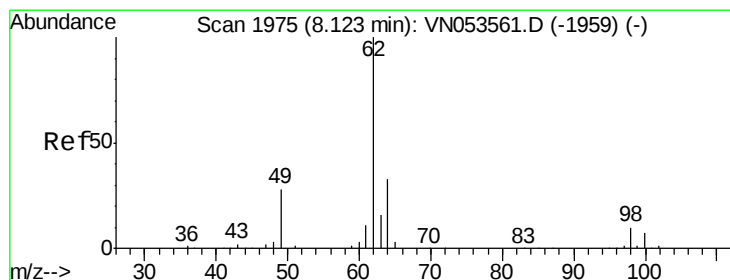
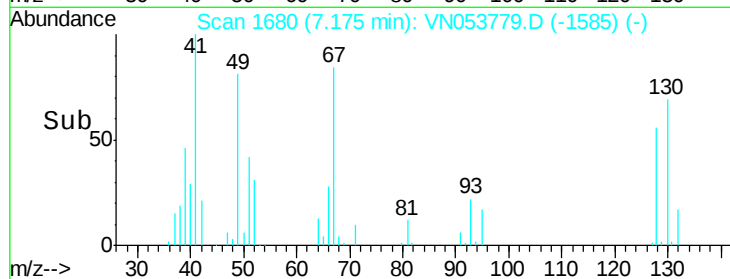
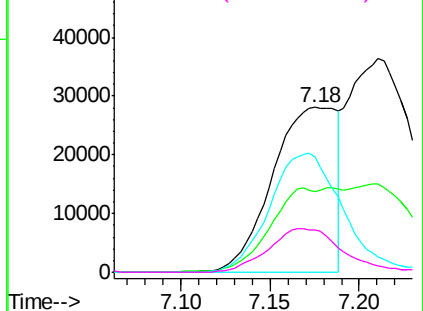
#41
Methacrylonitrile
Concen: 23.611 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 70130
Ion Ratio Lower Upper
41 100
39 36.2 46.8 70.2#
67 83.5 63.0 94.6
52 31.3 23.8 35.8

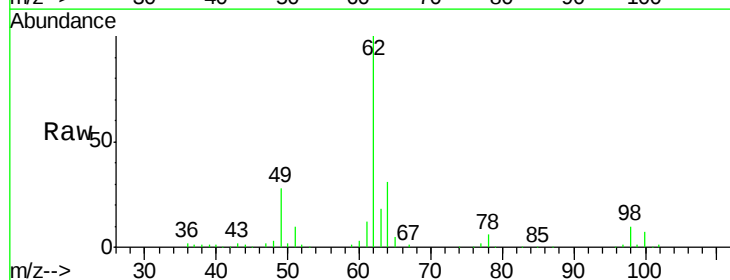


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

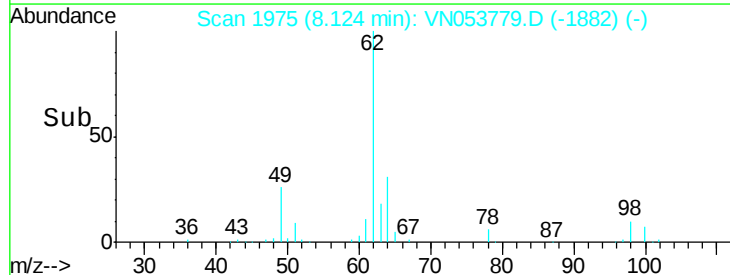
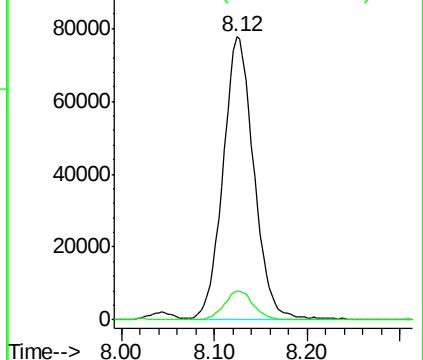


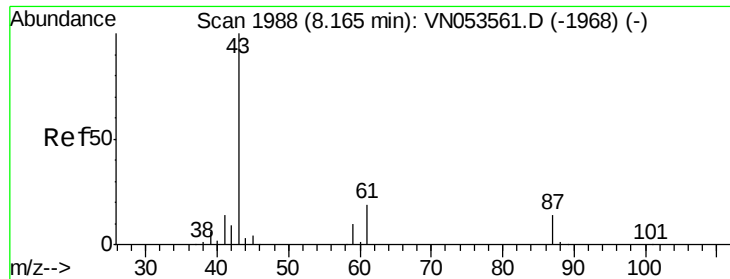
#42
1,2-Dichloroethane
Concen: 20.400 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

Tgt Ion: 62 Resp: 177733
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: 20.529 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

Instrument :
MSVOA_N
ClientSampled :

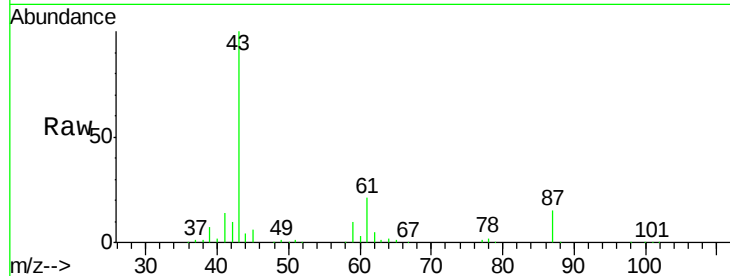
Tot Ion: 43 Resp: 210697

Ion Ratio Lower Upper

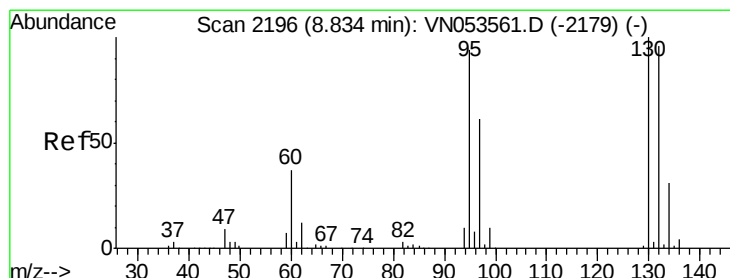
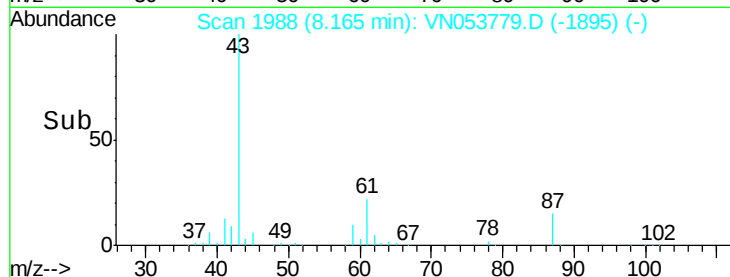
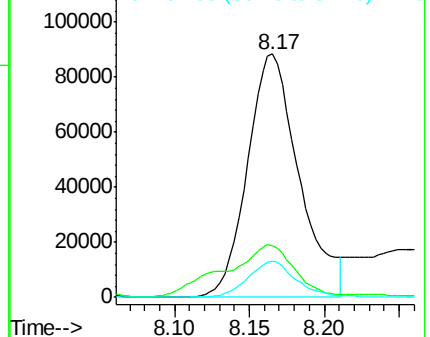
43 100

61 28.6 23.9 35.9

87 14.1 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 18.439 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN053779.D

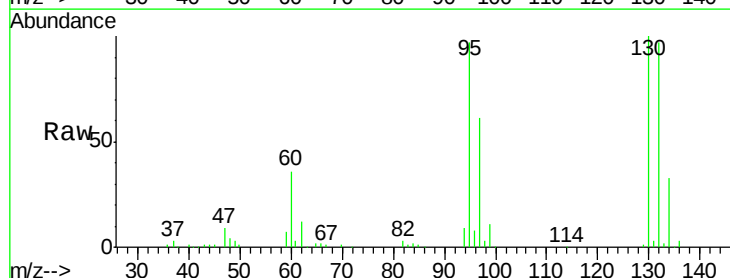
Acq: 14 Feb 2019 15:09

Tgt Ion: 130 Resp: 154035

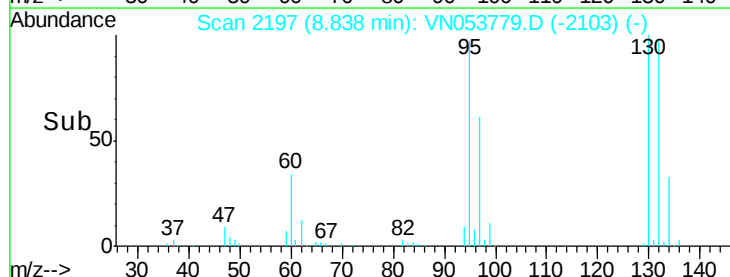
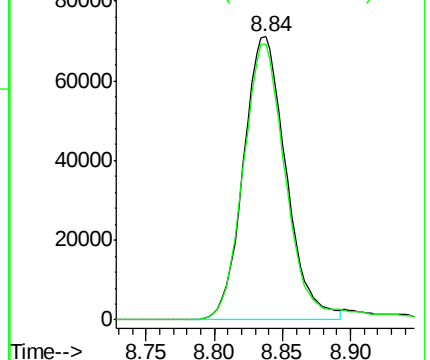
Ion Ratio Lower Upper

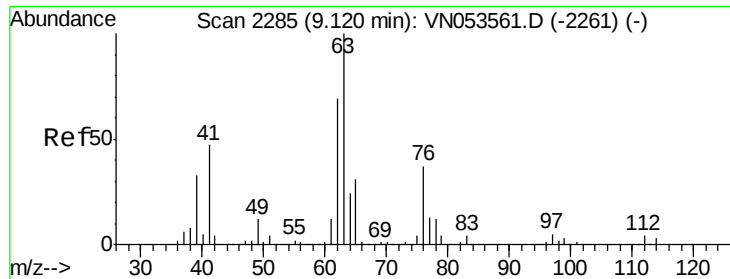
130 100

95 97.4 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 20.542 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

Instrument :

MSVOA_N

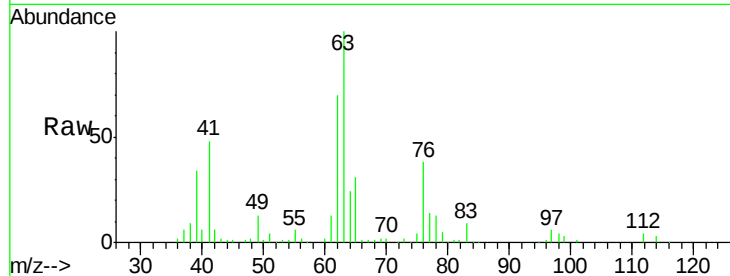
ClientSampled :

Tot Ion: 63 Resp: 154171

Ion Ratio Lower Upper

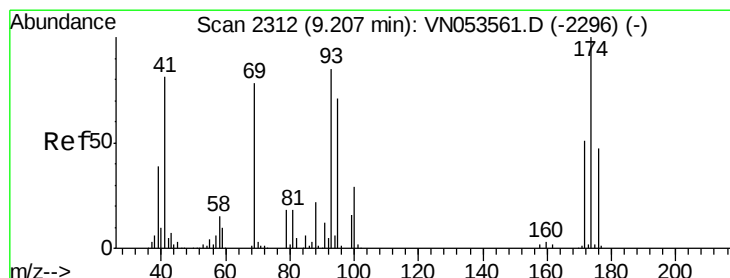
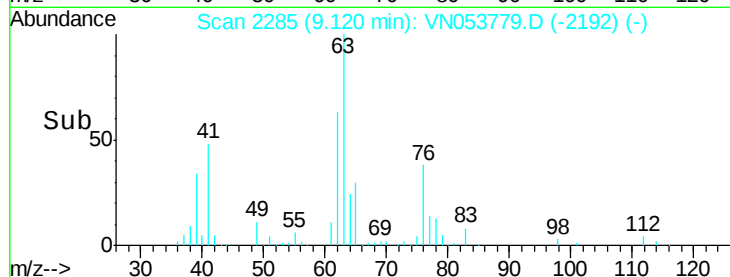
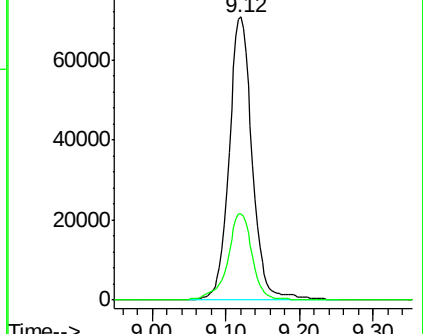
63 100

65 30.7 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.231 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

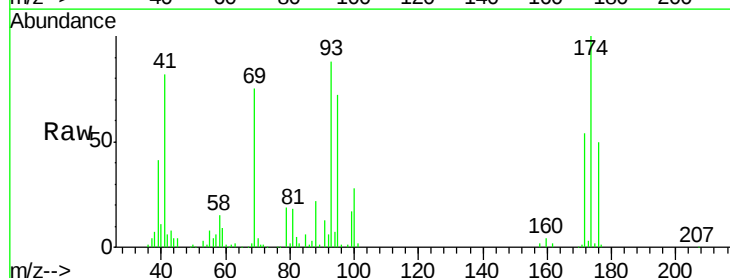
Tgt Ion: 93 Resp: 91532

Ion Ratio Lower Upper

93 100

95 84.7 67.3 100.9

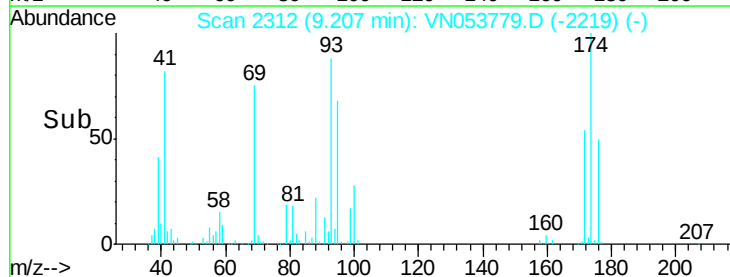
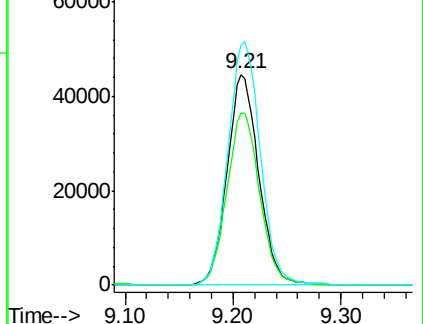
174 117.8 91.0 136.4

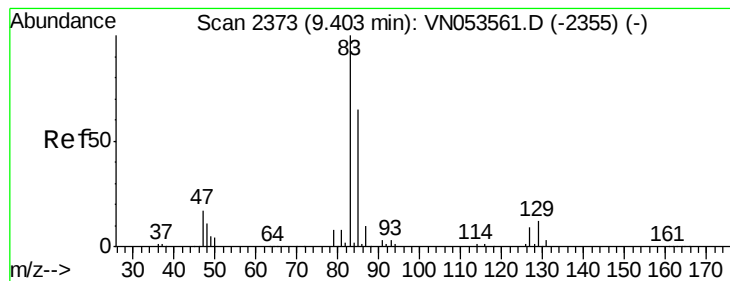


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.296 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

Instrument :

MSVOA_N

ClientSampled :

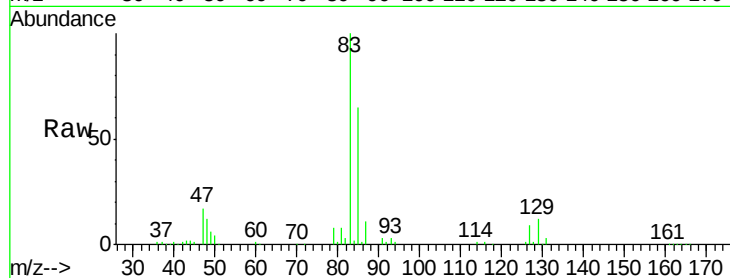
Tot Ion: 83 Resp: 190917

Ion Ratio Lower Upper

83 100

85 65.4 51.0 76.6

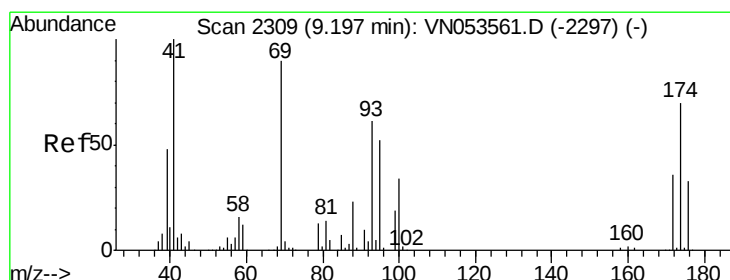
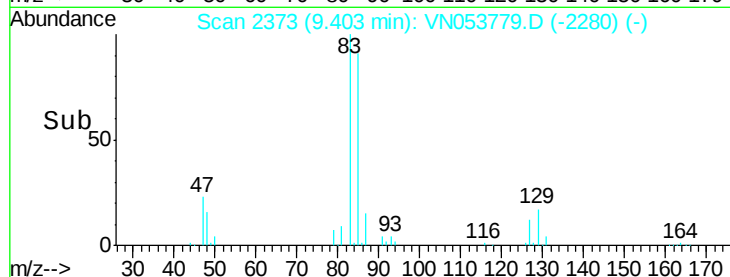
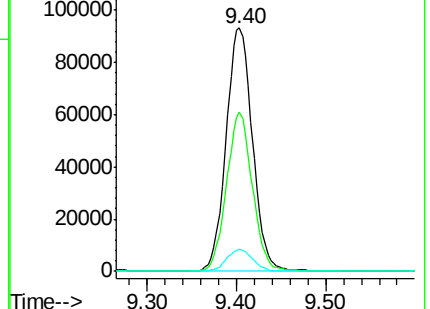
127 8.9 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VN053779.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN053779.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN053779.D (-2280) (-)



#48

Methyl methacrylate

Concen: 20.349 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

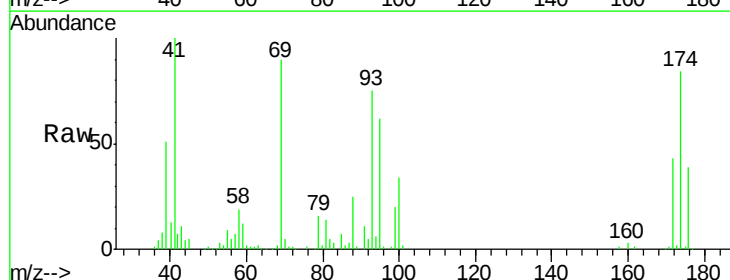
Tgt Ion: 41 Resp: 99694

Ion Ratio Lower Upper

41 100

69 91.2 73.8 110.6

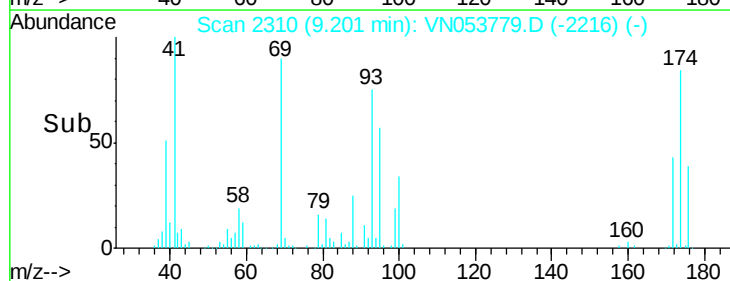
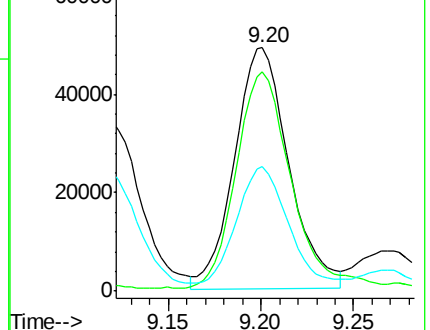
39 51.9 40.0 60.0

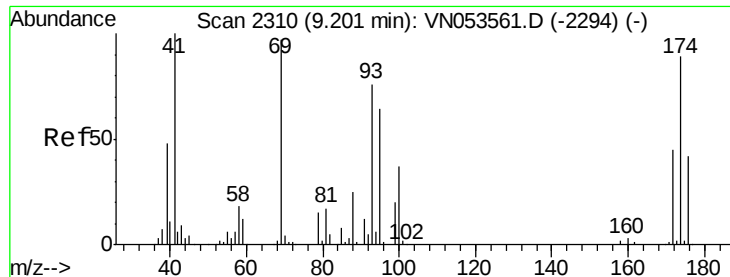


Abundance Ion 41.00 (40.70 to 41.70): VN053779.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN053779.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN053779.D (-2216) (-)

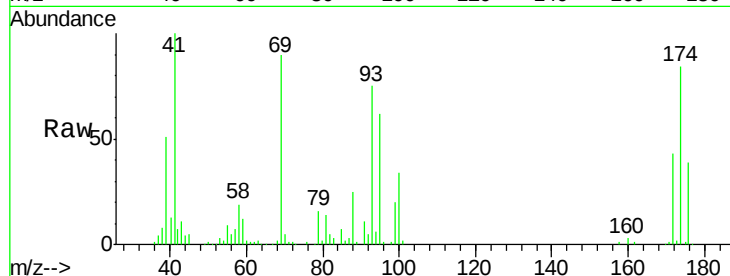




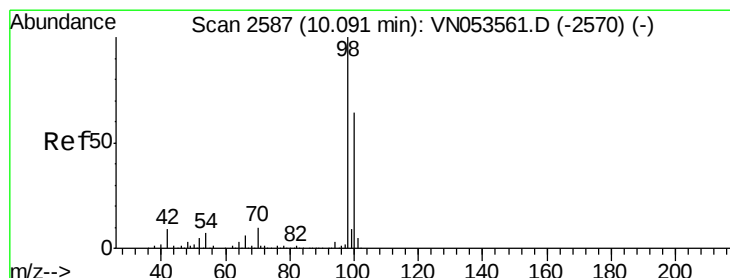
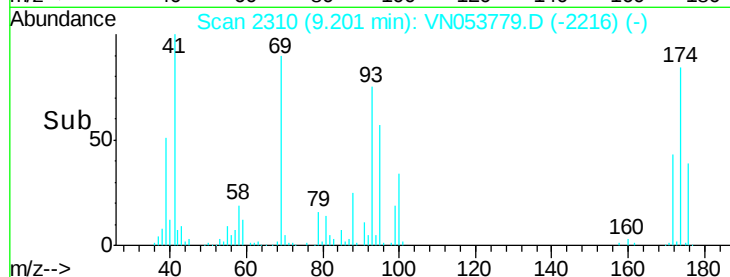
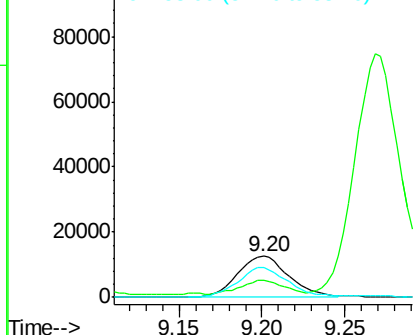
#49
1,4-Dioxane
Concen: 404.440 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 26990
Ion Ratio Lower Upper
88 100
43 27.3 27.8 41.6#
58 71.3 56.5 84.7

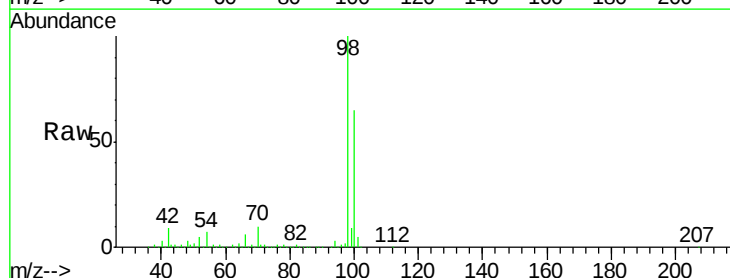


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

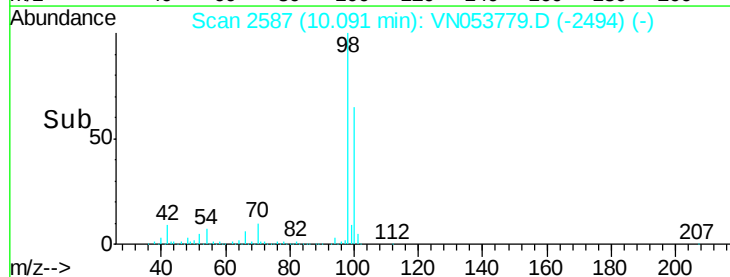
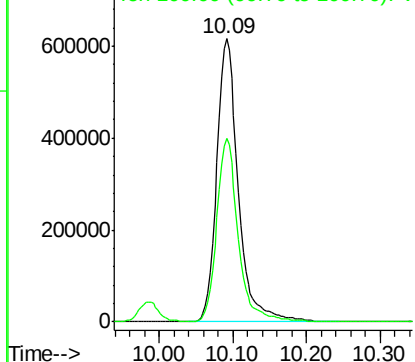


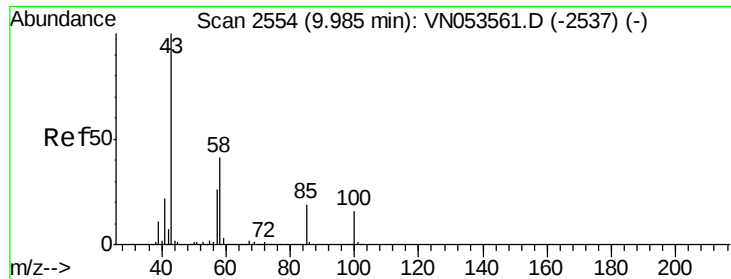
#50
Toluene-d8
Concen: 49.963 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

Tgt Ion: 98 Resp: 1251293
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.0



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

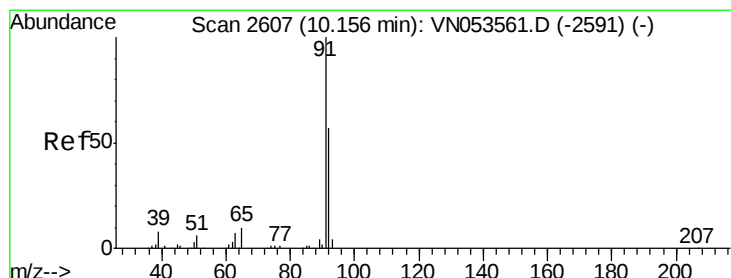
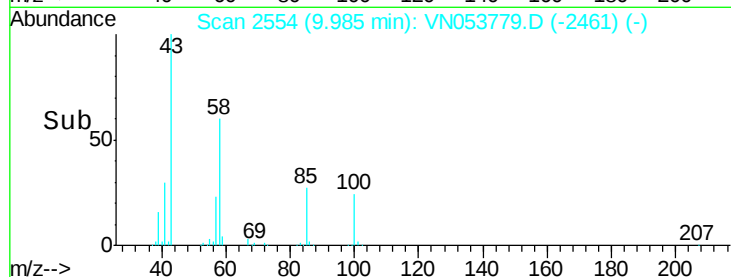
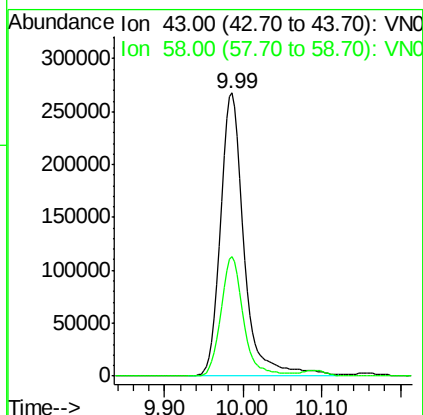
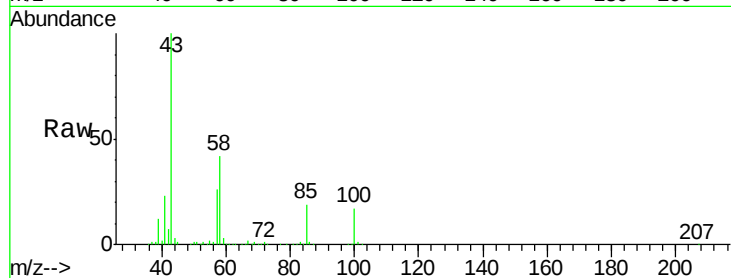




#51
 4-Methyl-2-Pentanone
 Concen: 108.342 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN053779.D
 Acq: 14 Feb 2019 15:09

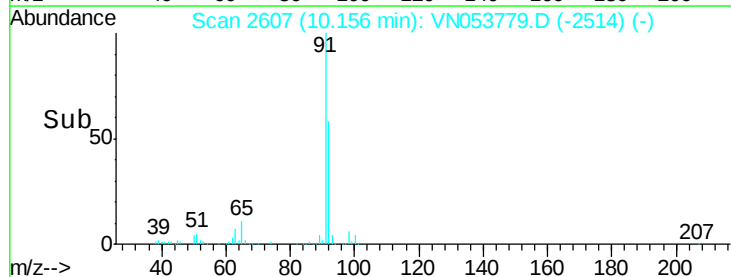
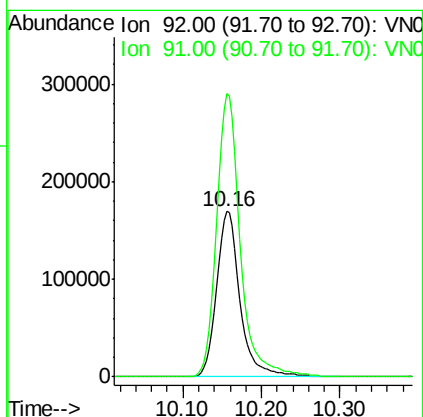
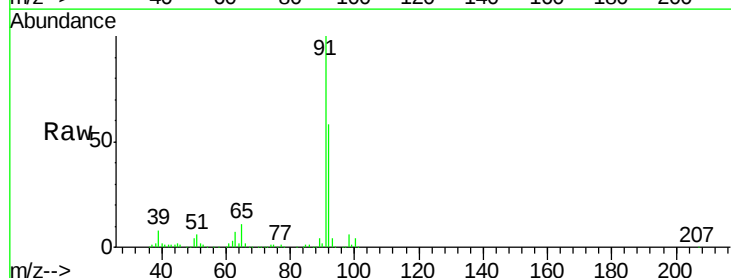
Instrument :
 MSVOA_N
 ClientSampled :

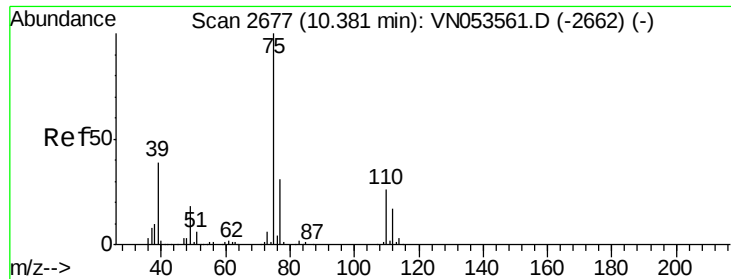
Tot Ion: 43 Resp: 546412
 Ion Ratio Lower Upper
 43 100
 58 40.8 32.8 49.2



#52
 Toluene
 Concen: 19.990 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN053779.D
 Acq: 14 Feb 2019 15:09

Tgt Ion: 92 Resp: 348127
 Ion Ratio Lower Upper
 92 100
 91 172.7 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 19.128 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

Instrument :

MSVOA_N

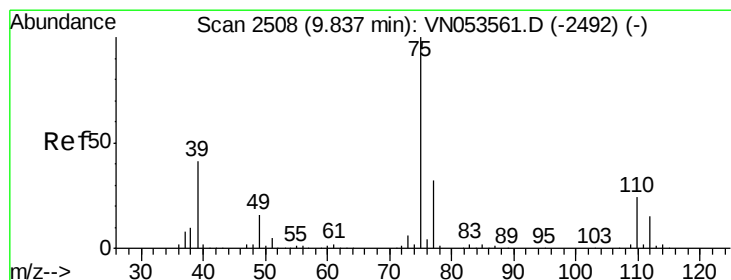
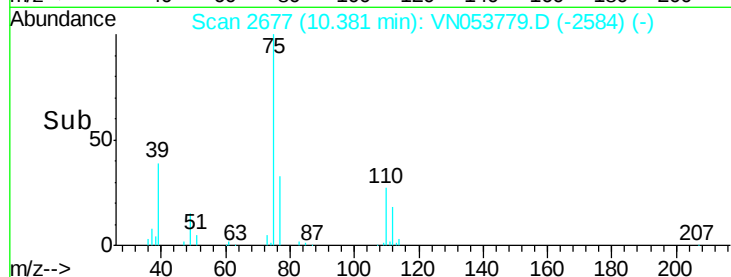
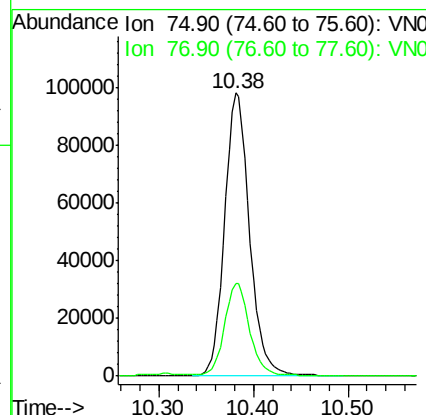
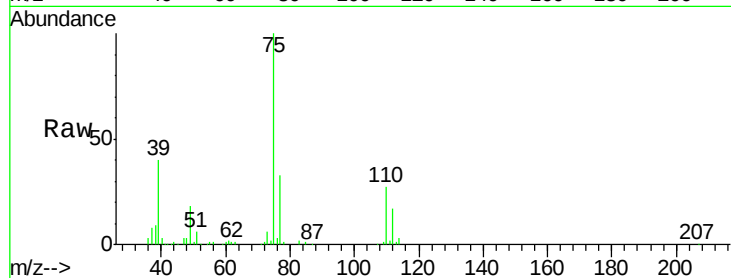
ClientSampled :

Tot Ion: 75 Resp: 180173

Ion Ratio Lower Upper

75 100

77 32.6 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 19.754 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

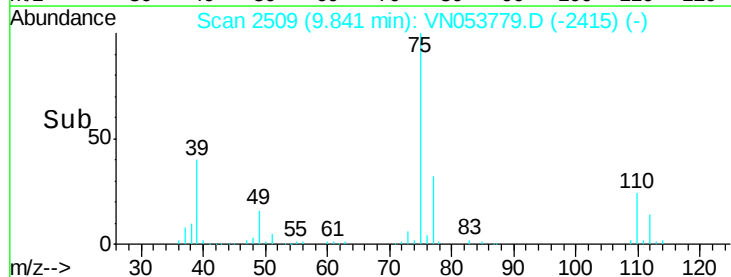
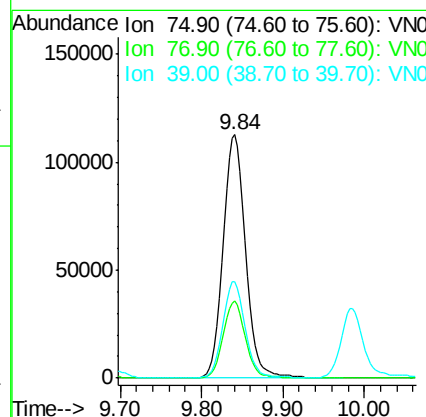
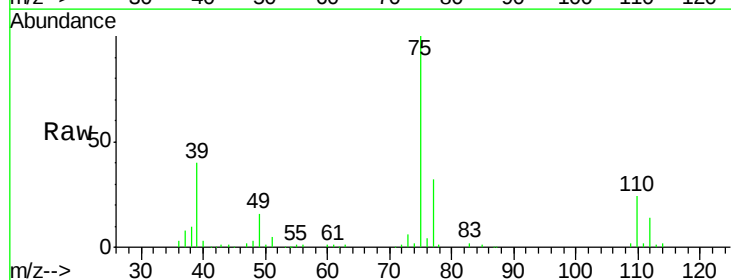
Tgt Ion: 75 Resp: 220496

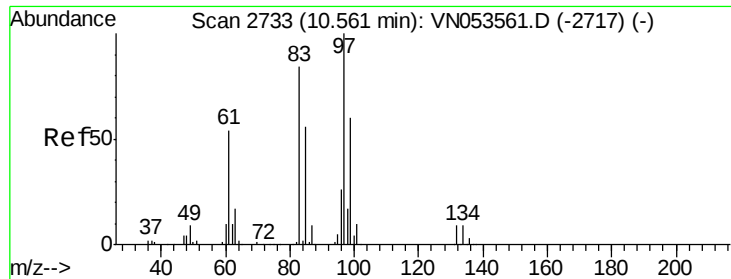
Ion Ratio Lower Upper

75 100

77 31.6 25.8 38.6

39 39.7 33.4 50.0

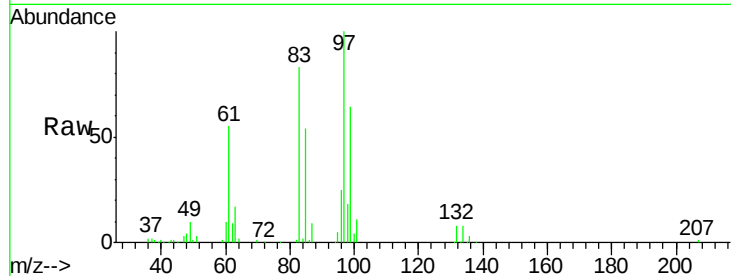




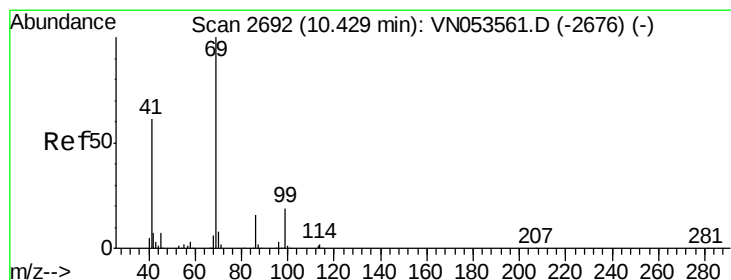
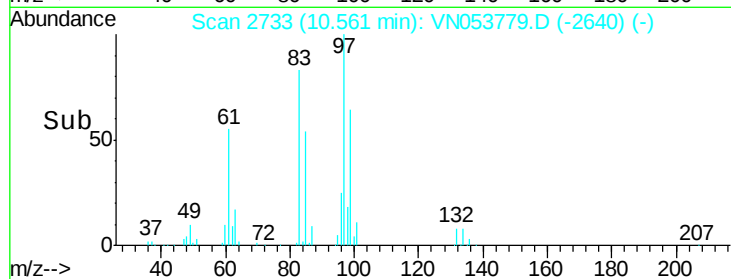
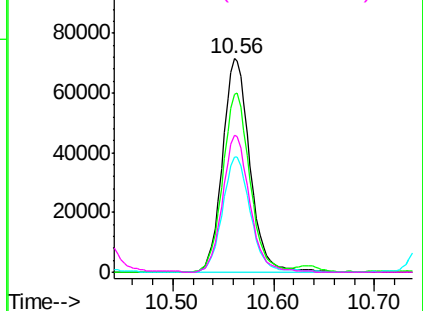
#55
 1,1,2-Trichloroethane
 Concen: 21.589 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053779.D
 Acq: 14 Feb 2019 15:09

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:	97	Resp:	135480
Ion	Ratio	Lower	Upper
97	100		
83	83.5	70.1	105.1
85	53.9	45.4	68.0
99	64.0	49.8	74.8

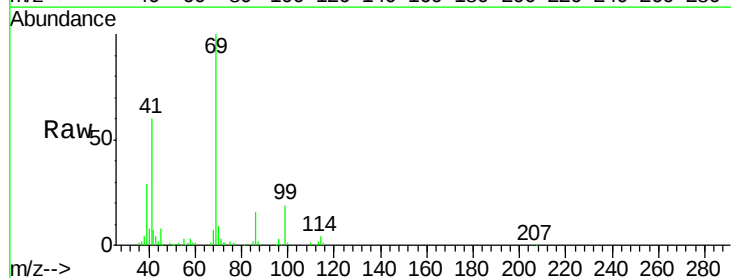


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

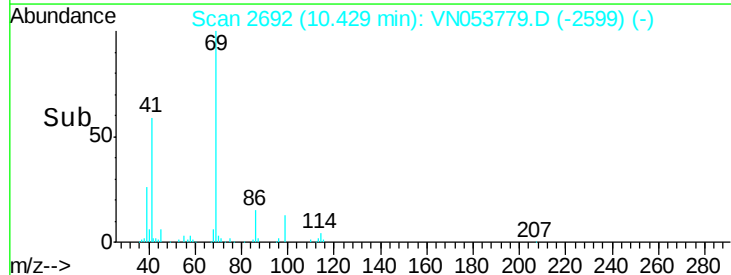
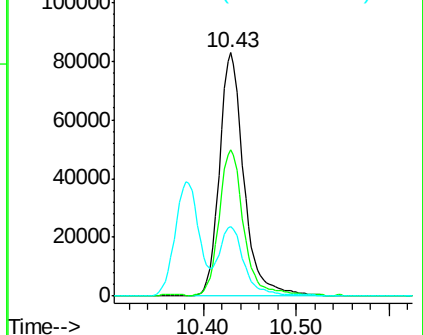


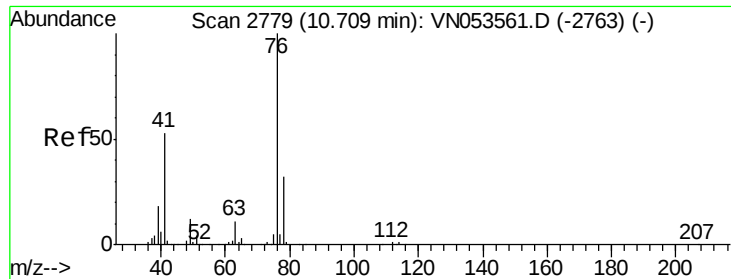
#56
 Ethyl methacrylate
 Concen: 20.455 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053779.D
 Acq: 14 Feb 2019 15:09

Tgt Ion:	69	Resp:	151855
Ion	Ratio	Lower	Upper
69	100		
41	59.7	49.4	74.0
39	28.5	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

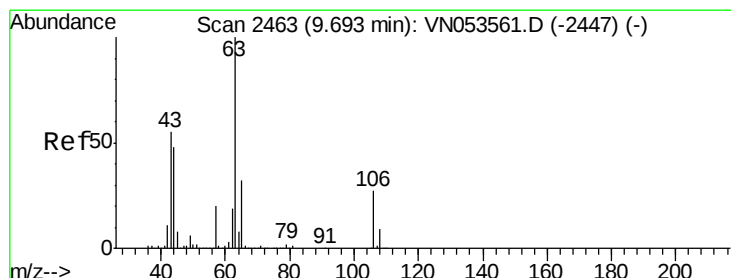
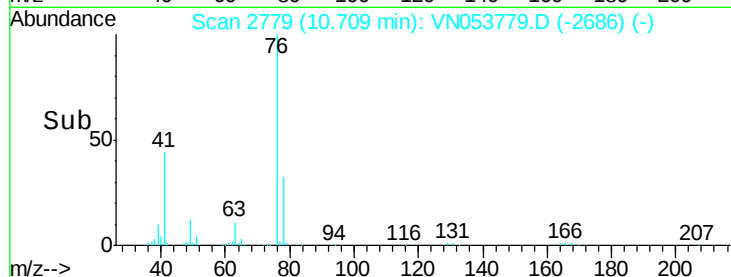
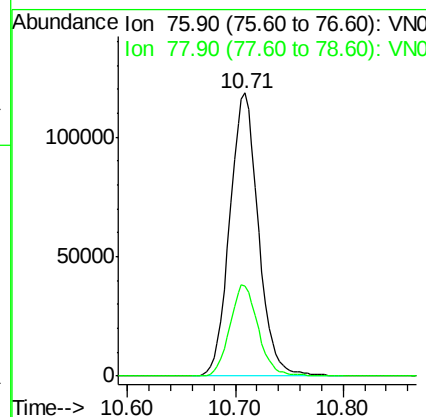
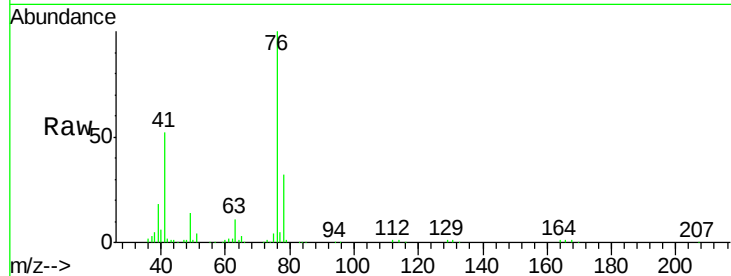




#57
 1,3-Dichloropropane
 Concen: 20.441 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN053779.D
 Acq: 14 Feb 2019 15:09

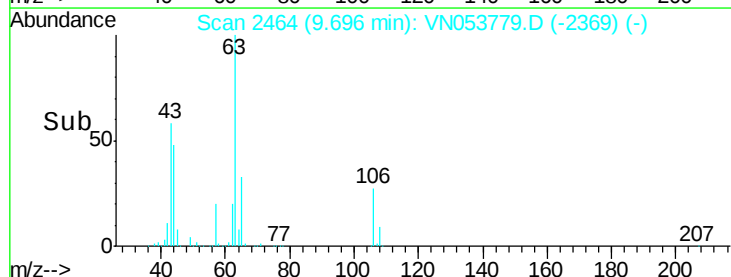
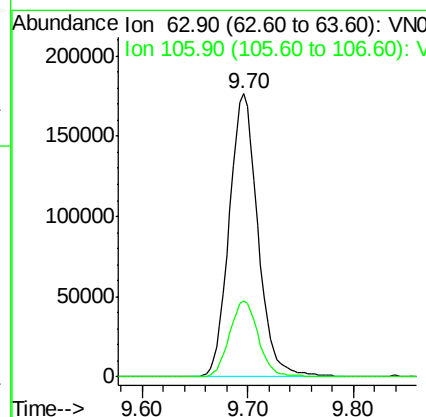
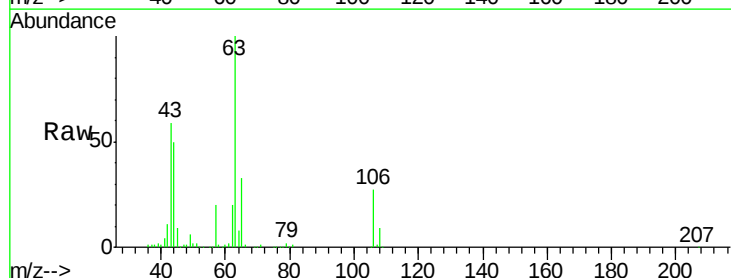
Instrument :
 MSVOA_N
 ClientSampled :

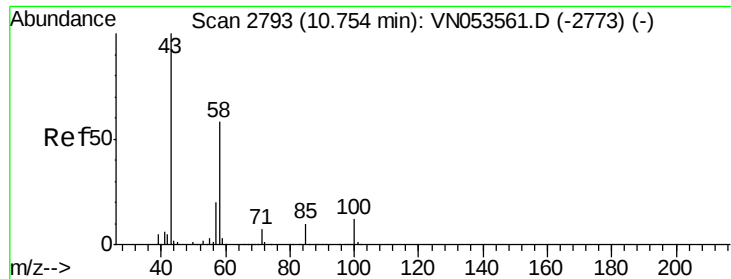
Tot Ion: 76 Resp: 219224
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 77.887 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053779.D
 Acq: 14 Feb 2019 15:09

Tgt Ion: 63 Resp: 332366
 Ion Ratio Lower Upper
 63 100
 106 27.1 21.5 32.3

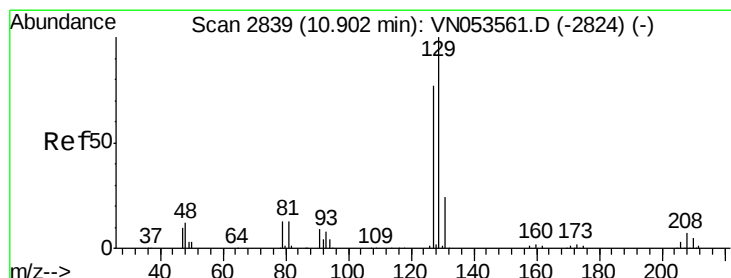
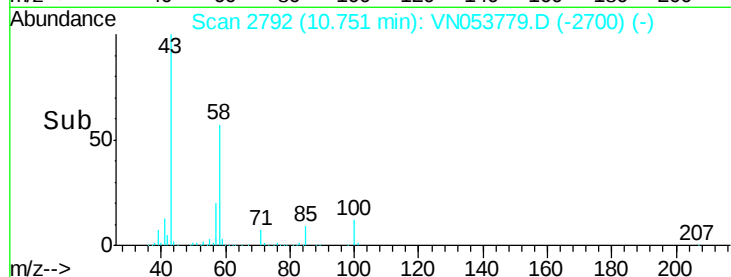
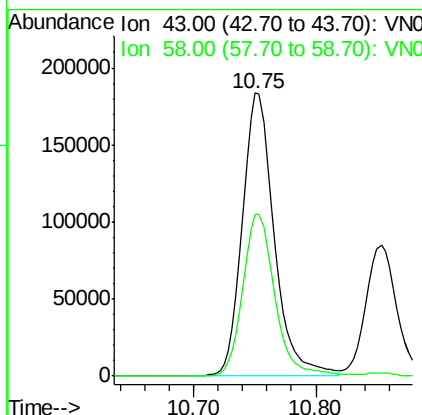
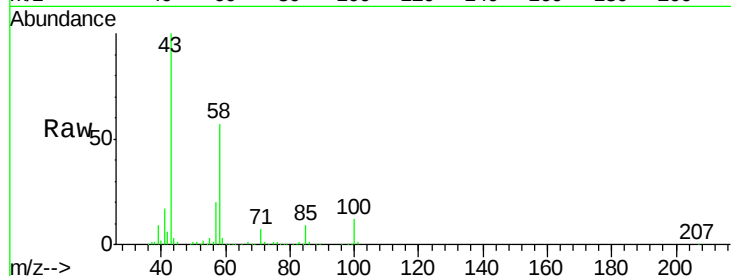




#59
2-Hexanone
Concen: 95.758 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

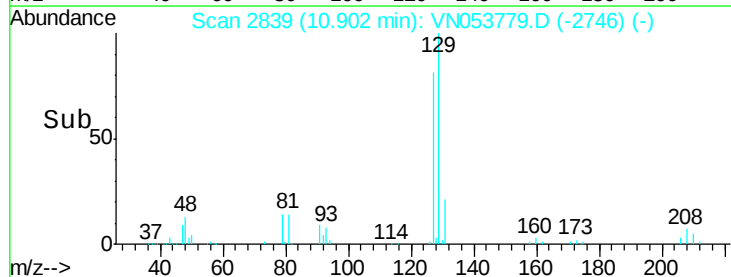
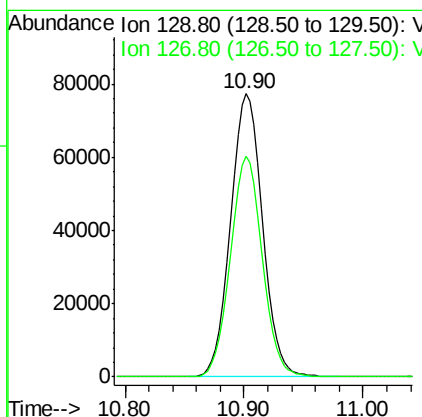
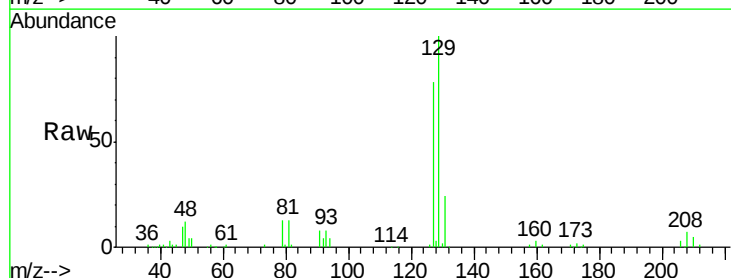
Instrument :
MSVOA_N
ClientSampleId :

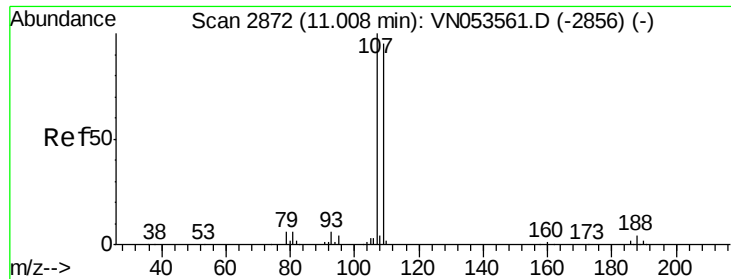
Tot Ion: 43 Resp: 327858
Ion Ratio Lower Upper
43 100
58 57.8 28.6 85.8



#60
Dibromochloromethane
Concen: 20.392 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

Tgt Ion: 129 Resp: 144303
Ion Ratio Lower Upper
129 100
127 77.6 38.6 115.8

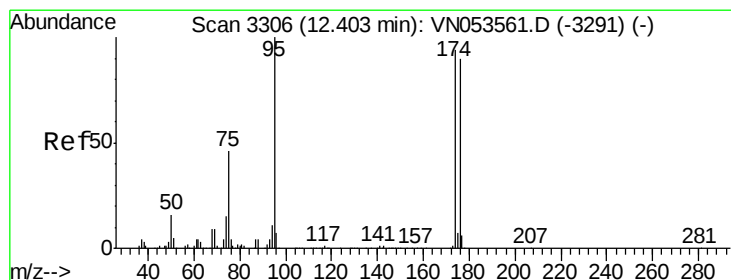
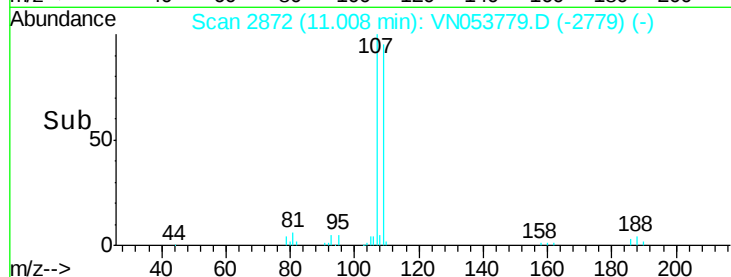
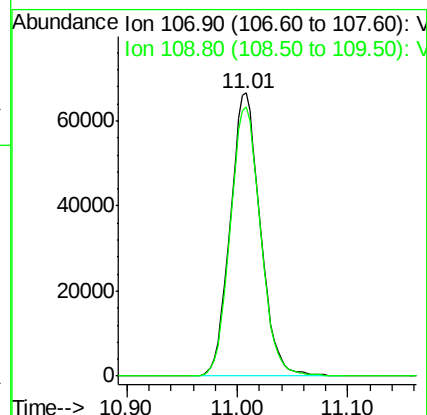
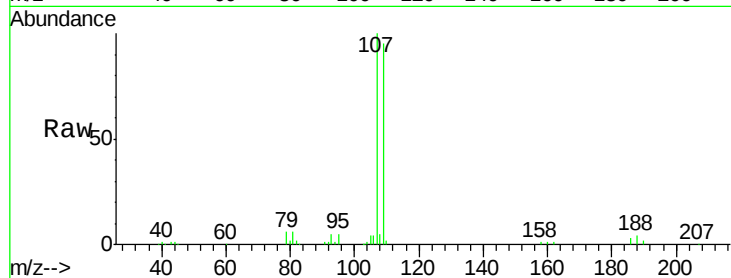




#61
 1,2-Dibromoethane
 Concen: 20.216 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053779.D
 Acq: 14 Feb 2019 15:09

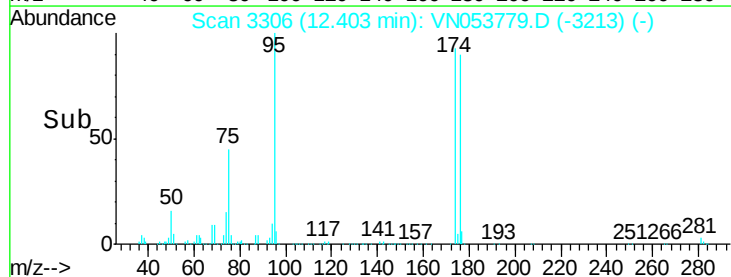
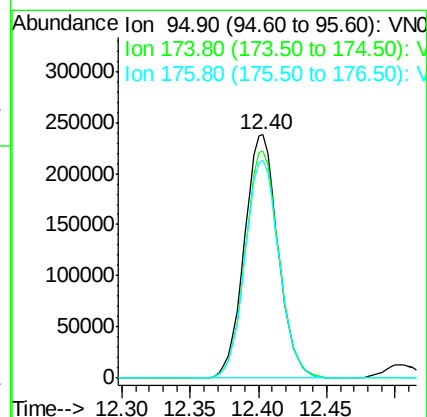
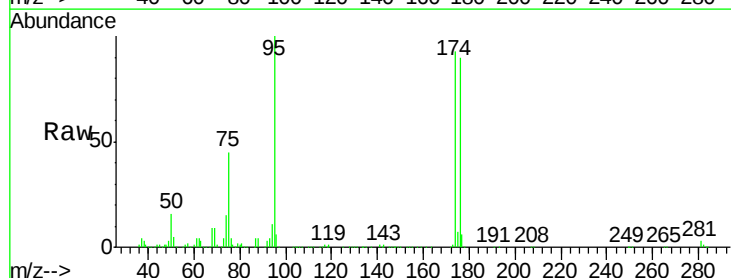
Instrument :
 MSVOA_N
 ClientSampleId :

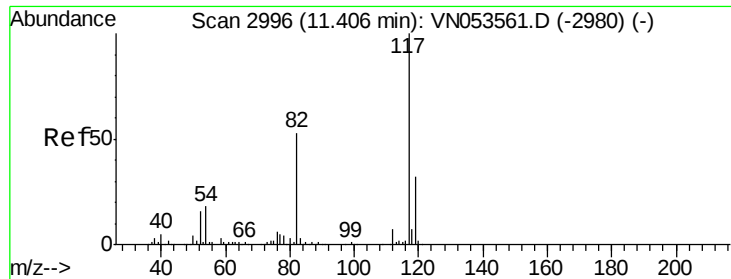
Tot Ion: 107 Resp: 125563
 Ion Ratio Lower Upper
 107 100
 109 96.0 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 48.770 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN053779.D
 Acq: 14 Feb 2019 15:09

Tgt Ion: 95 Resp: 407356
 Ion Ratio Lower Upper
 95 100
 174 93.2 0.0 183.2
 176 90.7 0.0 177.4

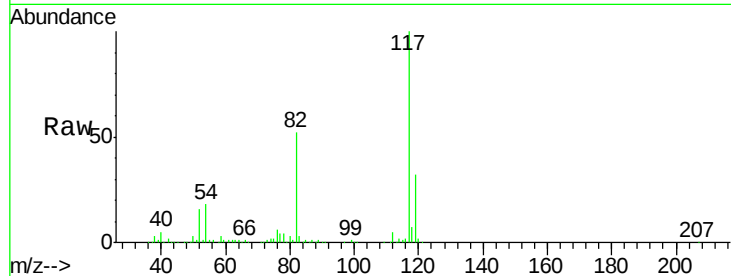




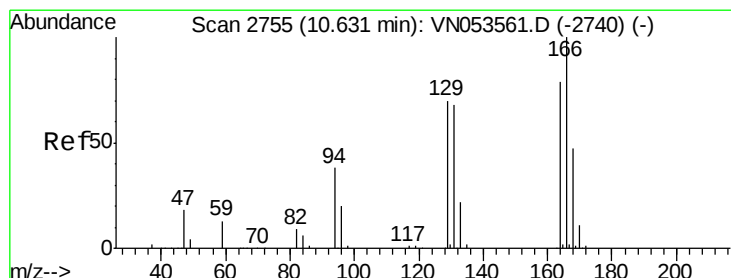
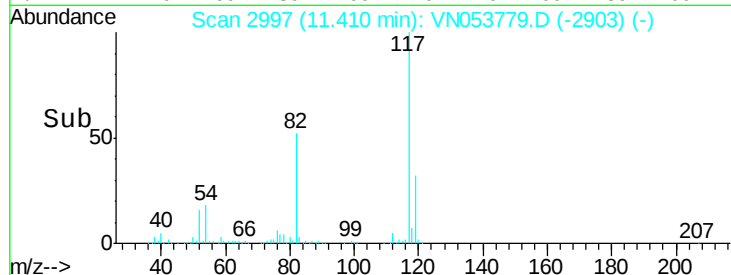
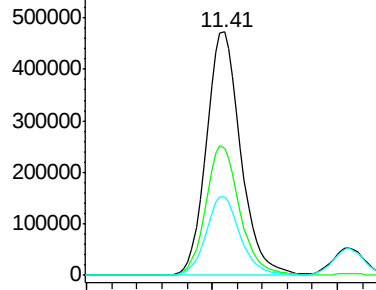
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 896885
Ion Ratio Lower Upper
117 100
82 52.1 42.9 64.3
119 32.3 26.0 39.0

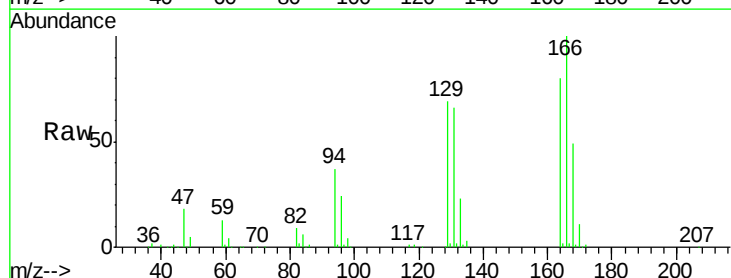


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

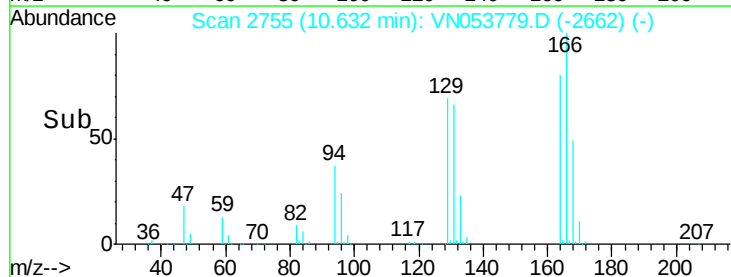
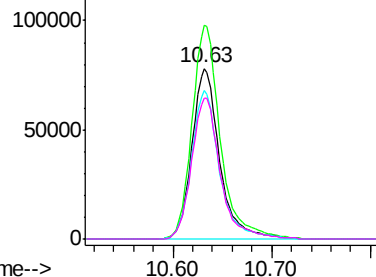


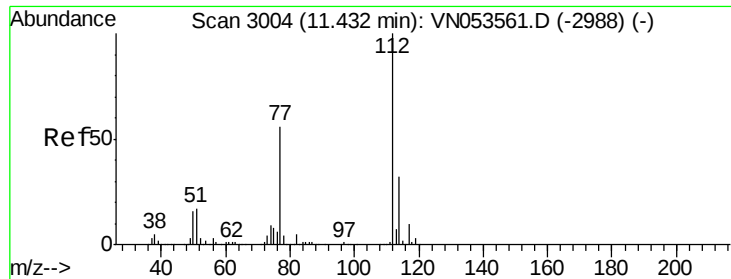
#64
Tetrachloroethene
Concen: 20.043 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

Tgt Ion:164 Resp: 154094
Ion Ratio Lower Upper
164 100
166 125.2 102.2 153.4
129 86.7 72.6 109.0
131 82.7 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: 19.844 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

Instrument :

MSVOA_N

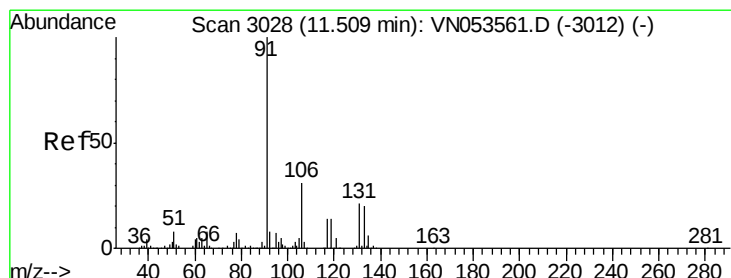
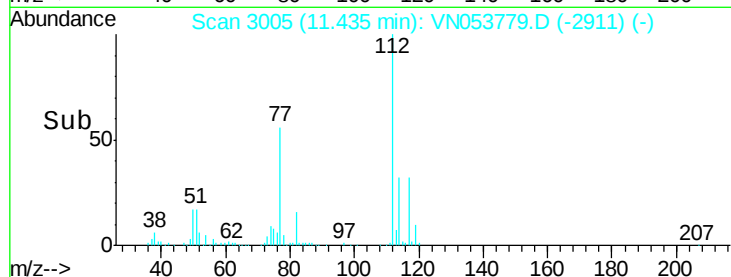
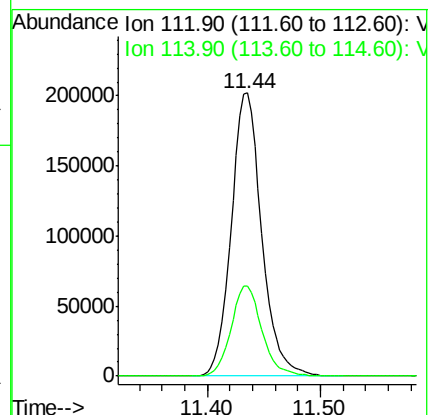
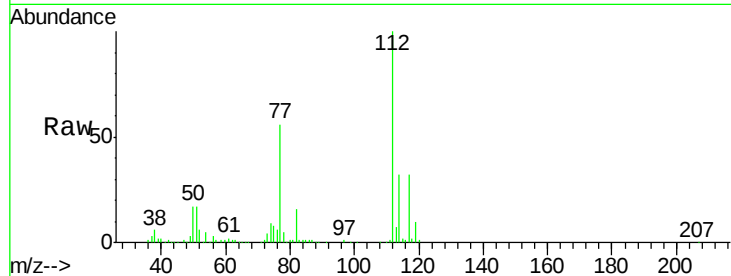
ClientSampled :

Tot Ion:112 Resp: 378041

Ion Ratio Lower Upper

112 100

114 31.7 25.3 37.9



#66

1,1,1,2-Tetrachloroethane

Concen: 21.135 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

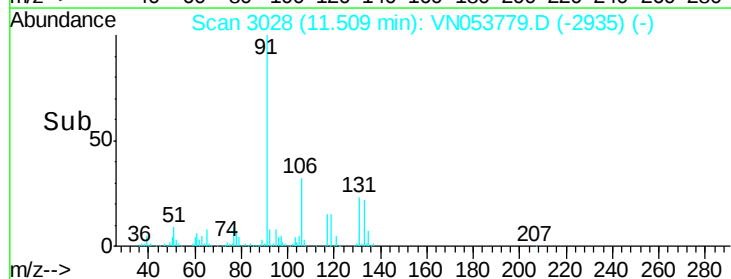
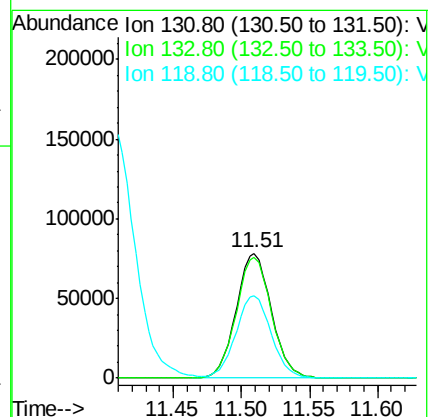
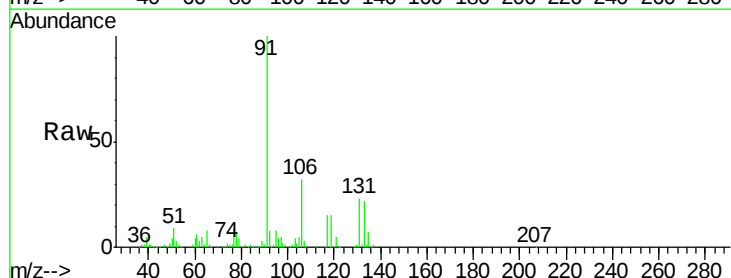
Tgt Ion:131 Resp: 140617

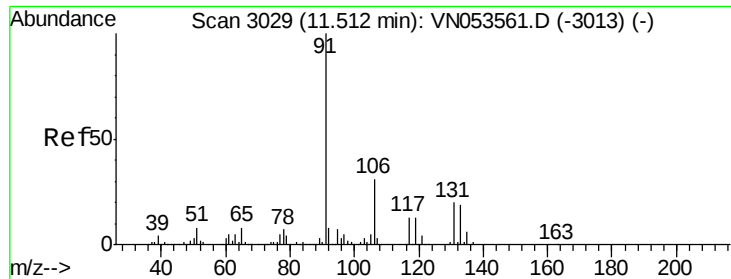
Ion Ratio Lower Upper

131 100

133 97.2 48.0 144.0

119 66.2 33.5 100.5

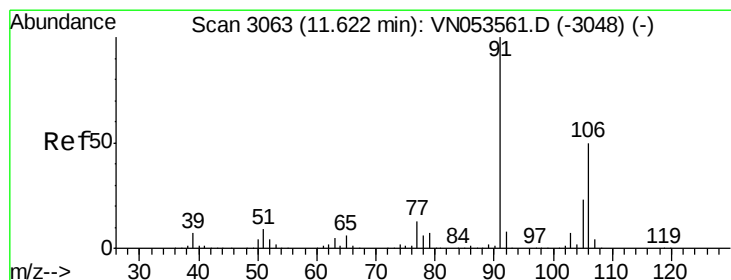
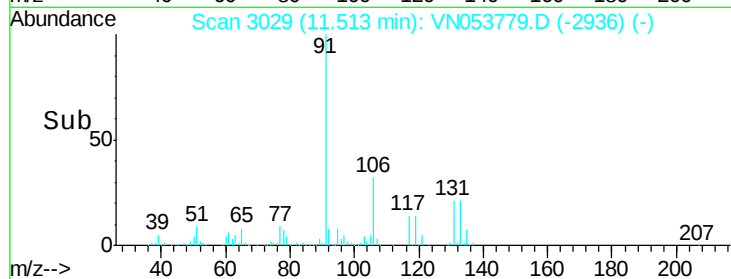
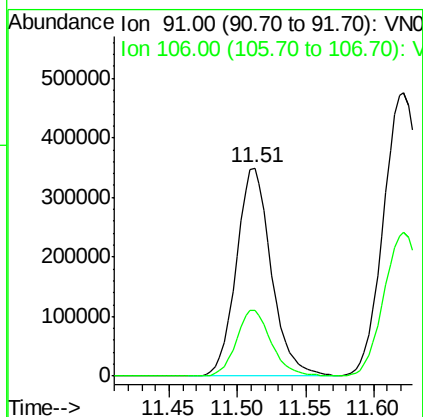
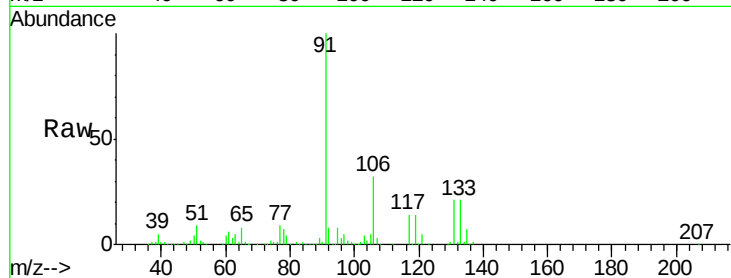




#67
Ethyl Benzene
Concen: 19.841 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

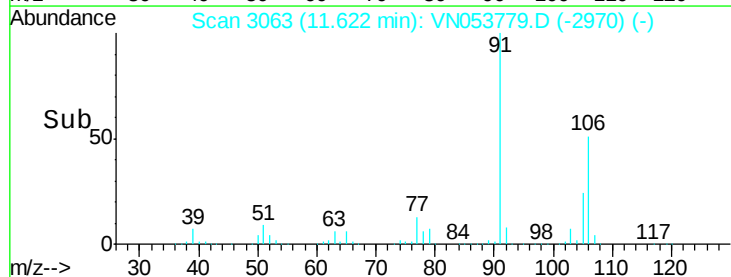
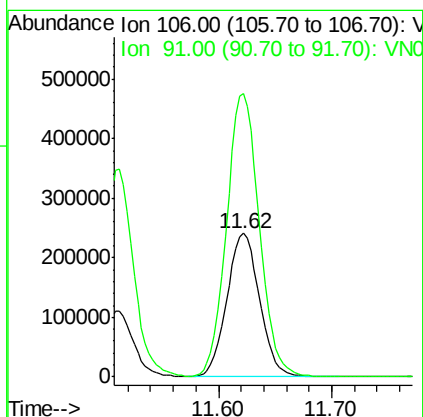
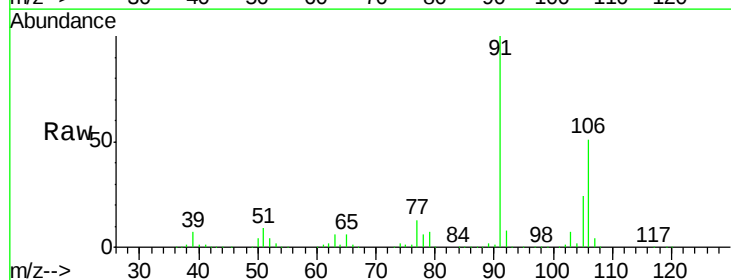
Instrument :
MSVOA_N
ClientSampled :

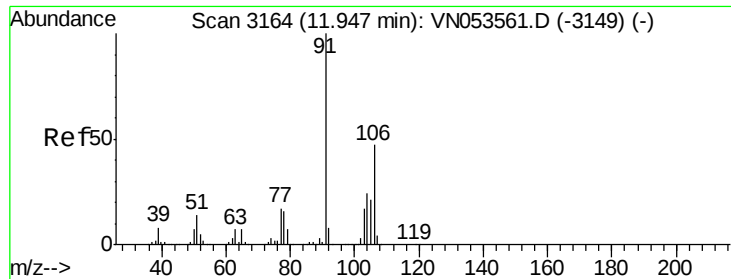
Tot Ion: 91 Resp: 620921
Ion Ratio Lower Upper
91 100
106 31.7 25.0 37.6



#68
m/p-Xylenes
Concen: 40.551 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

Tgt Ion: 106 Resp: 484342
Ion Ratio Lower Upper
106 100
91 197.7 161.4 242.2

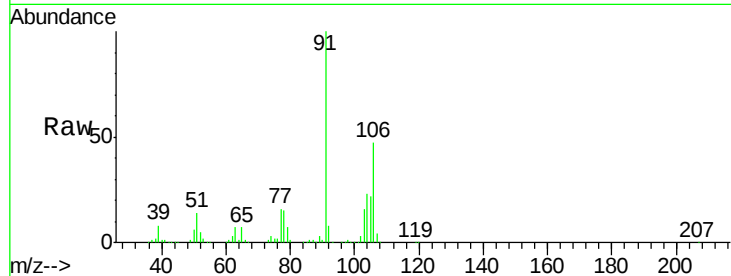




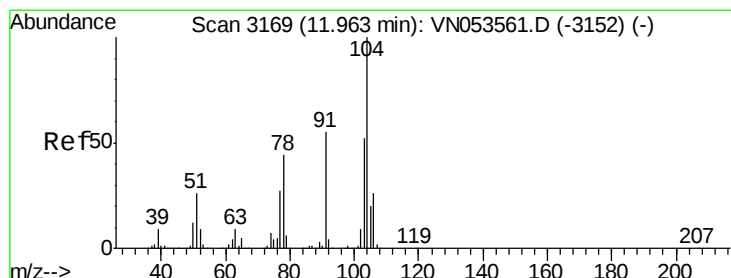
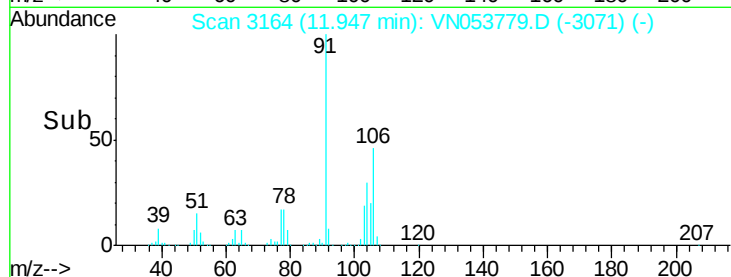
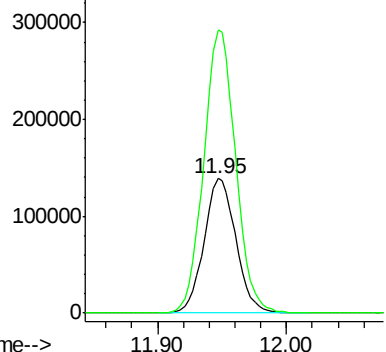
#69
o-Xylene
Concen: 20.582 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 237494
Ion Ratio Lower Upper
106 100
91 210.9 106.9 320.8

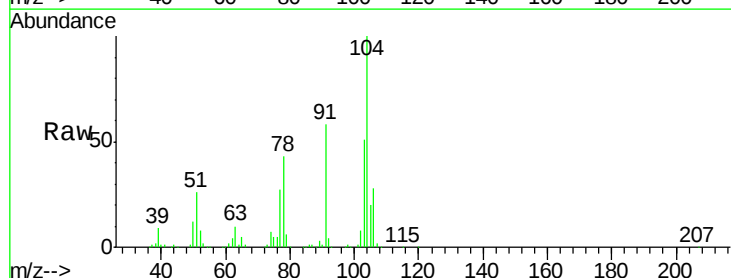


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

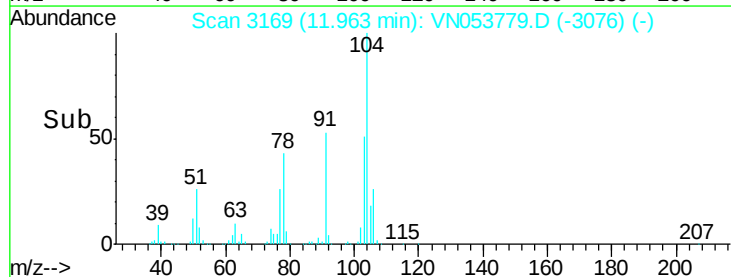
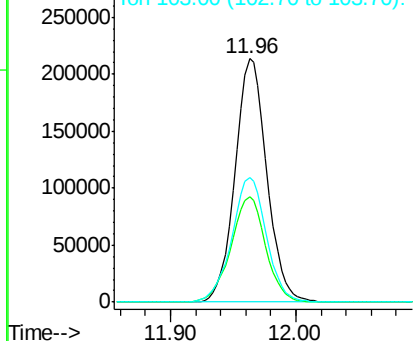


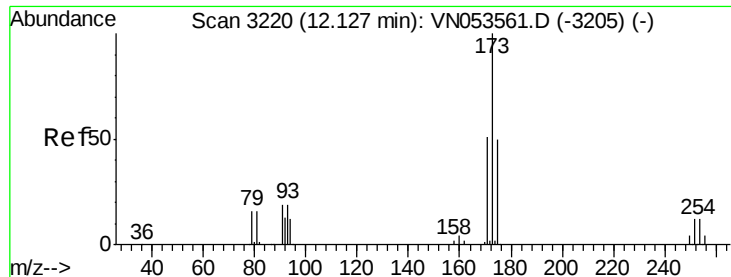
#70
Styrene
Concen: 20.109 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

Tgt Ion:104 Resp: 376102
Ion Ratio Lower Upper
104 100
78 47.3 38.2 57.2
103 55.5 44.4 66.6



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

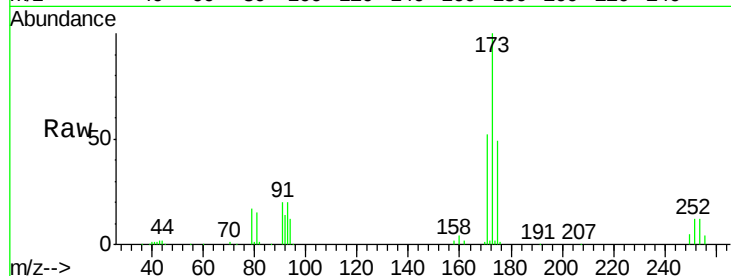




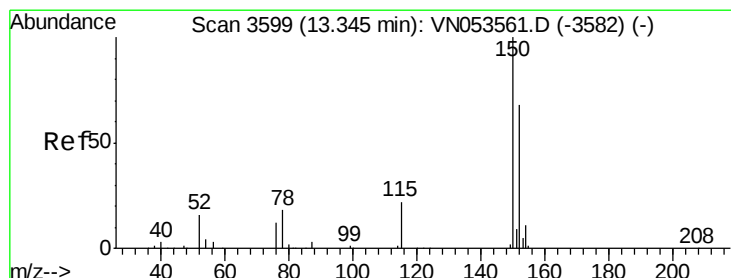
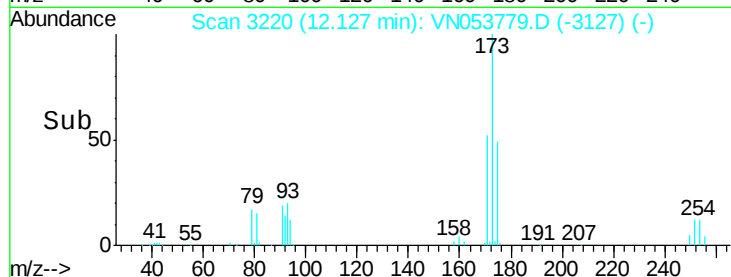
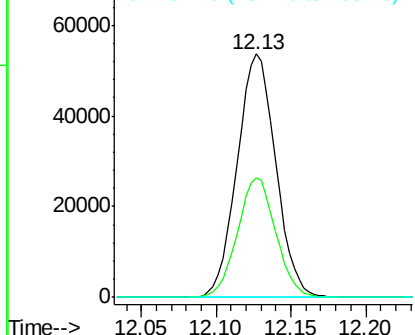
#71
Bromoform
Concen: 21.177 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:173 Resp: 96596
Ion Ratio Lower Upper
173 100
175 48.7 24.6 74.0
254 0.0 0.2 0.2#

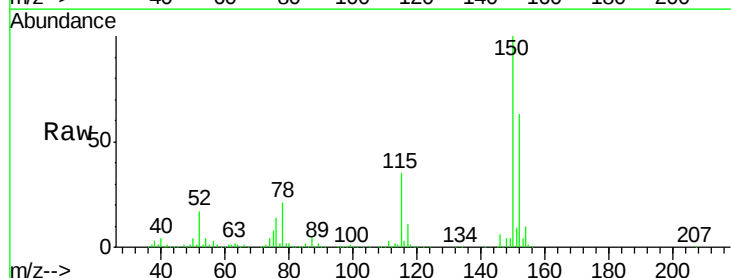


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

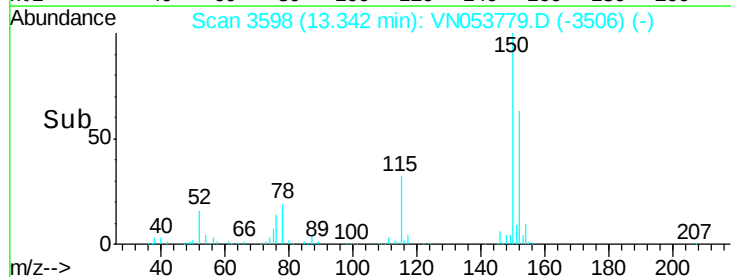
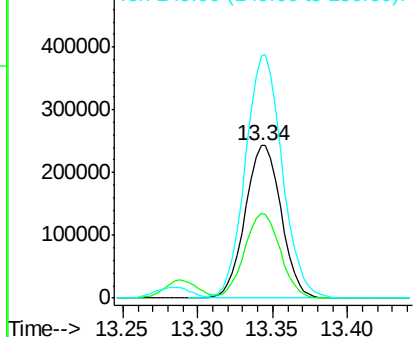


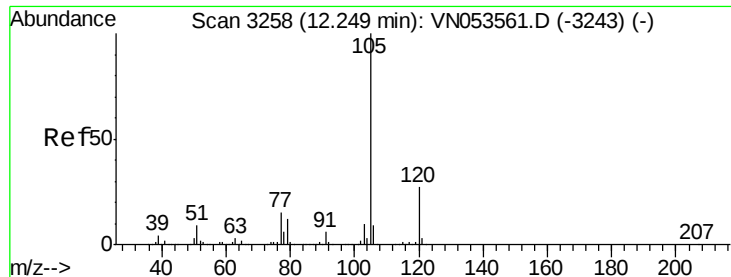
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

Tgt Ion:152 Resp: 407521
Ion Ratio Lower Upper
152 100
115 54.9 27.8 83.4
150 163.4 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: 21.823 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

Instrument :

MSVOA_N

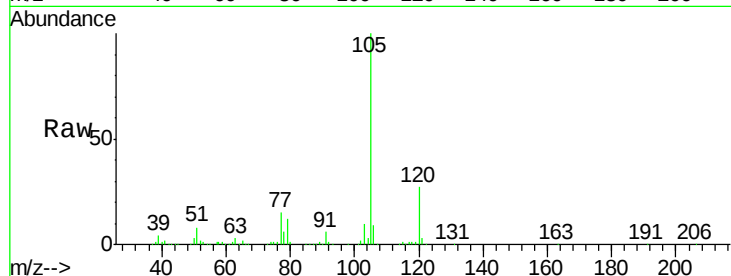
ClientSampleId :

Tot Ion:105 Resp: 625191

Ion Ratio Lower Upper

105 100

120 27.2 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

400000

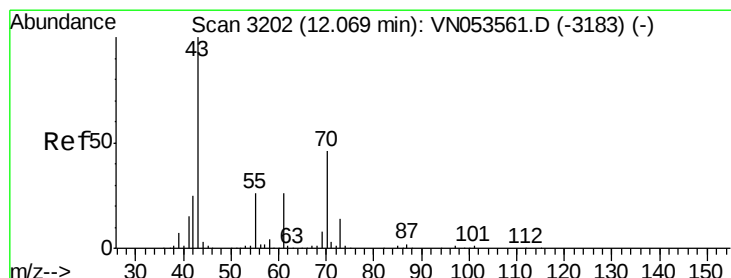
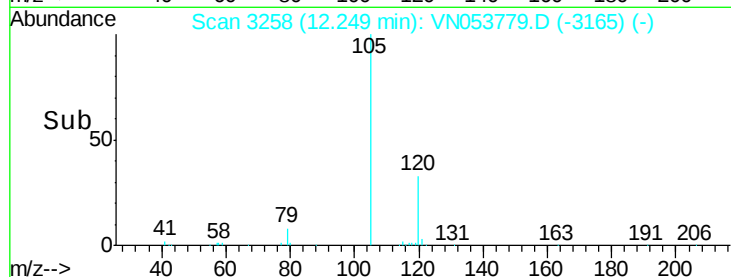
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 21.512 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

Tgt Ion: 43 Resp: 148195

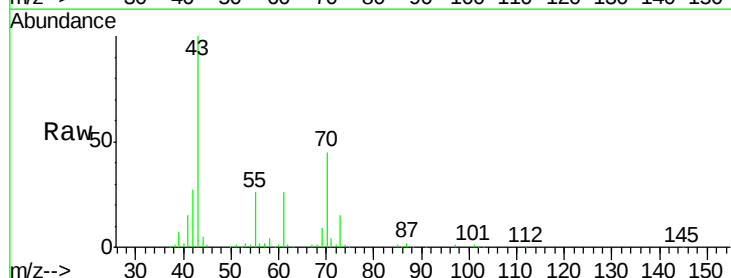
Ion Ratio Lower Upper

43 100

70 45.2 35.4 53.2

55 27.2 20.9 31.3

61 25.5 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

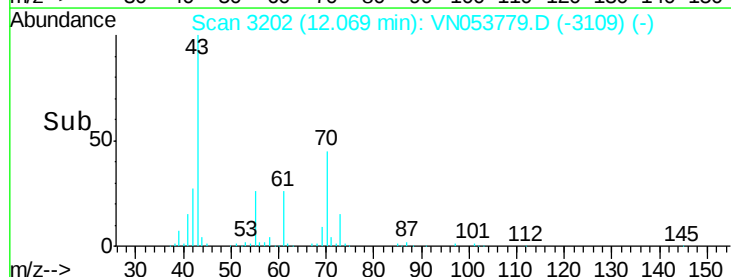
12.07

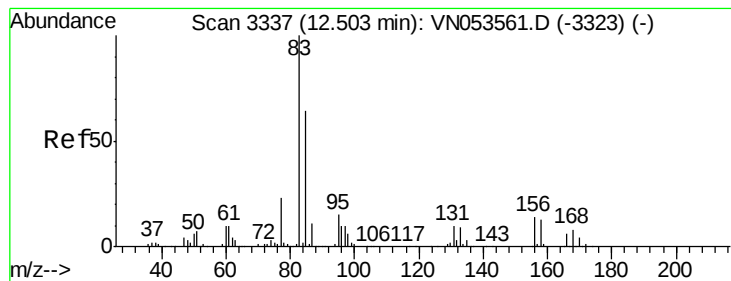
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.091 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

Instrument :

MSVOA_N

ClientSampleId :

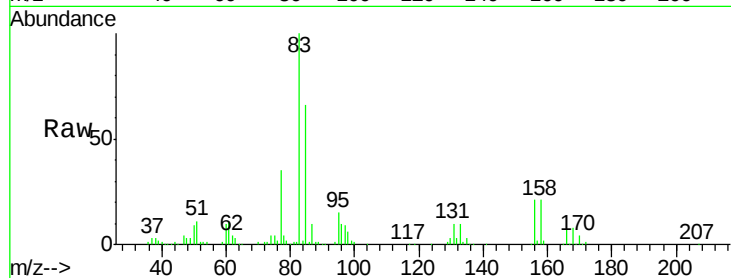
Tot Ion: 83 Resp: 151463

Ion Ratio Lower Upper

83 100

131 10.6 5.3 15.8

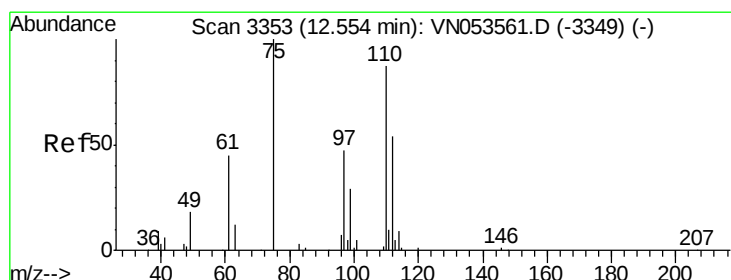
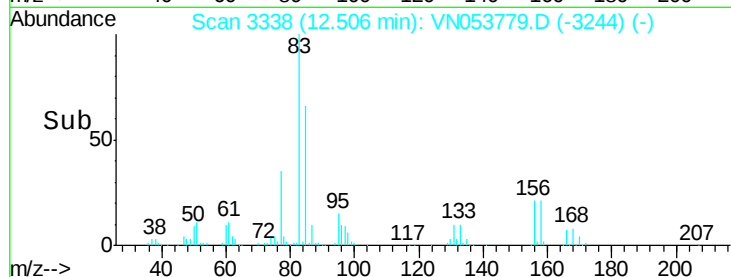
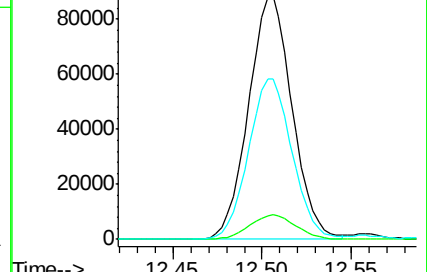
85 65.9 32.1 96.3



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: 34.481 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053779.D

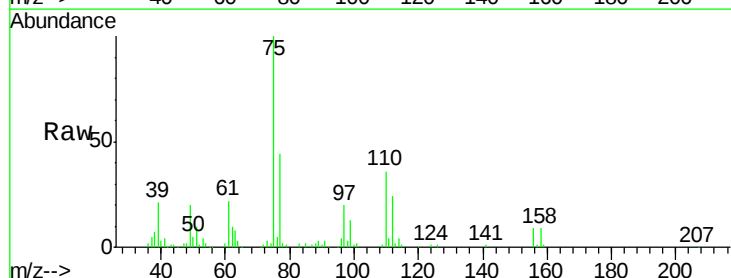
Acq: 14 Feb 2019 15:09

Tgt Ion: 75 Resp: 180485

Ion Ratio Lower Upper

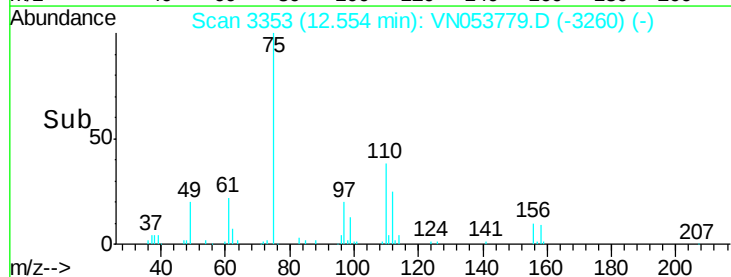
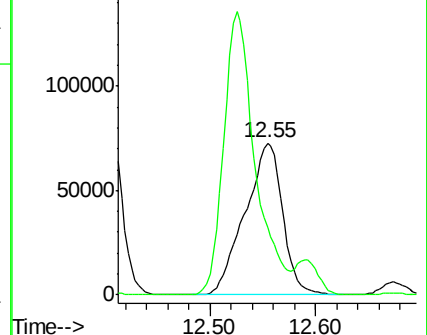
75 100

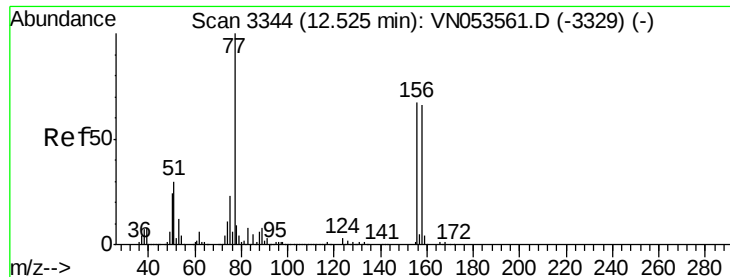
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.999 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

Instrument :

MSVOA_N

ClientSampleId :

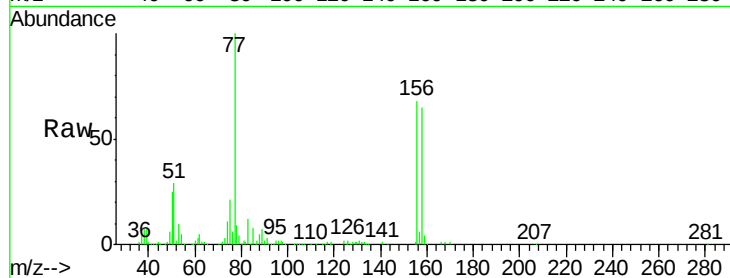
Tot Ion:156 Resp: 162128

Ion Ratio Lower Upper

156 100

77 173.1 87.9 263.8

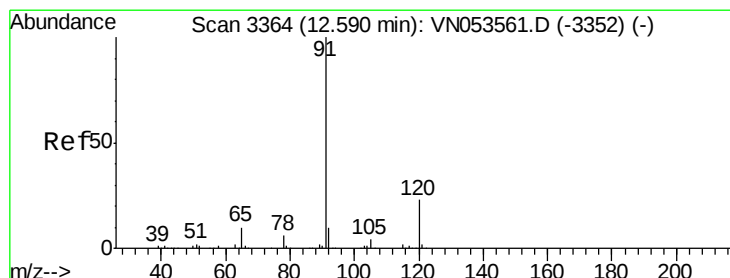
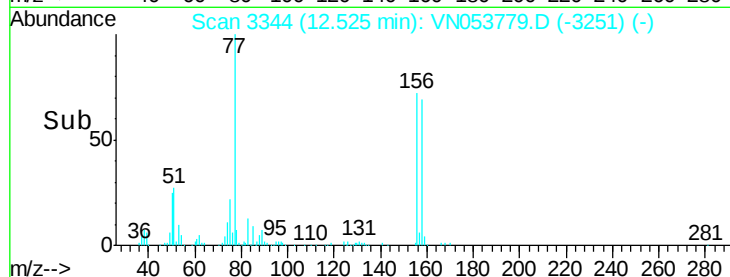
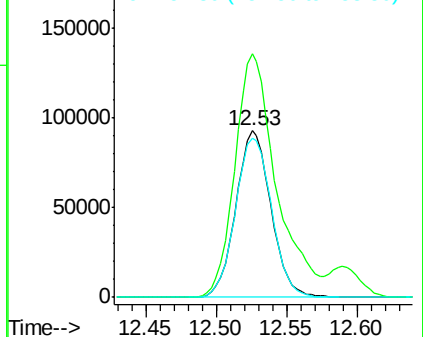
158 98.1 48.8 146.4



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: 20.952 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053779.D

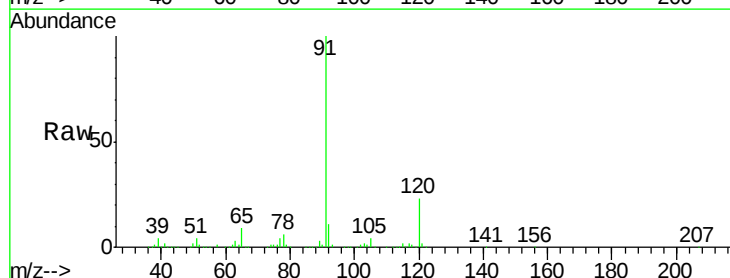
Acq: 14 Feb 2019 15:09

Tgt Ion: 91 Resp: 693888

Ion Ratio Lower Upper

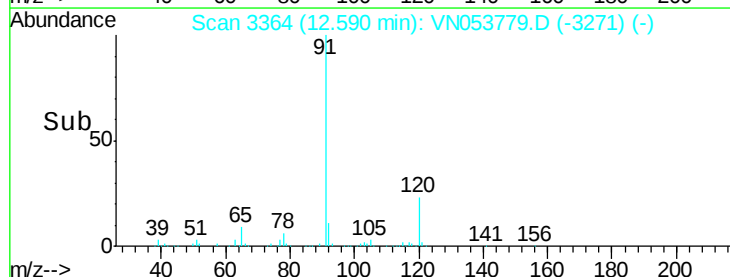
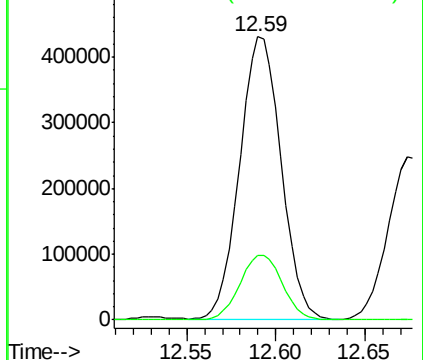
91 100

120 23.6 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: 21.180 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

Instrument :

MSVOA_N

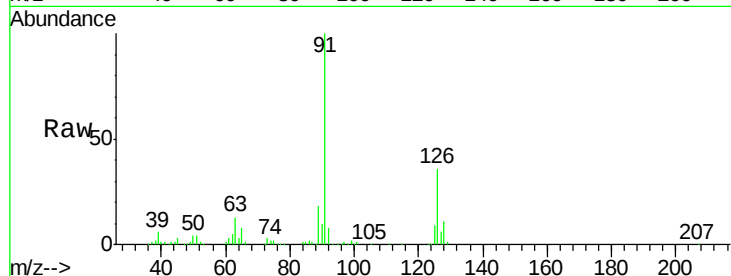
ClientSampled :

Tot Ion: 91 Resp: 416137

Ion Ratio Lower Upper

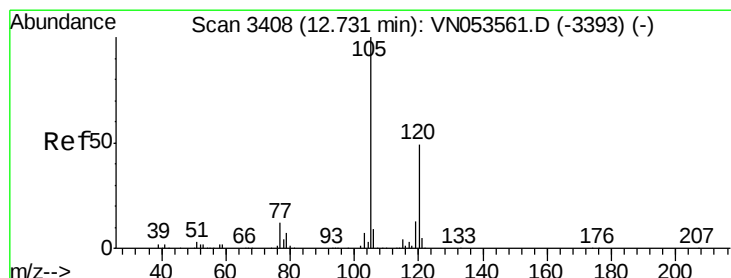
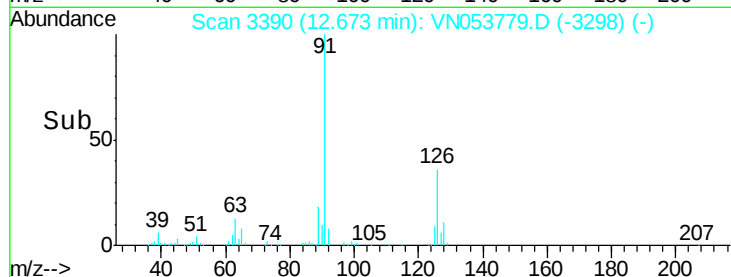
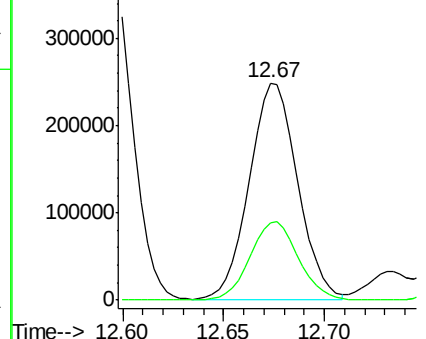
91 100

126 36.2 17.9 53.7



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

Ion 125.90 (125.60 to 126.60): VN053561.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.840 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053779.D

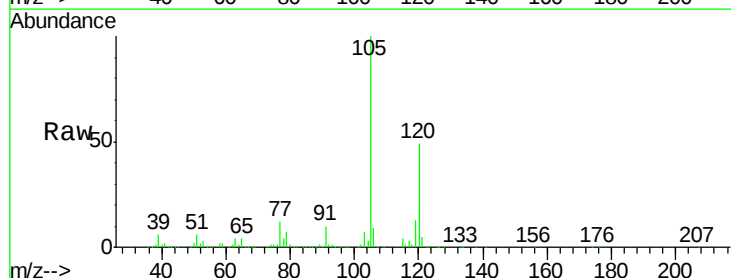
Acq: 14 Feb 2019 15:09

Tgt Ion: 105 Resp: 518828

Ion Ratio Lower Upper

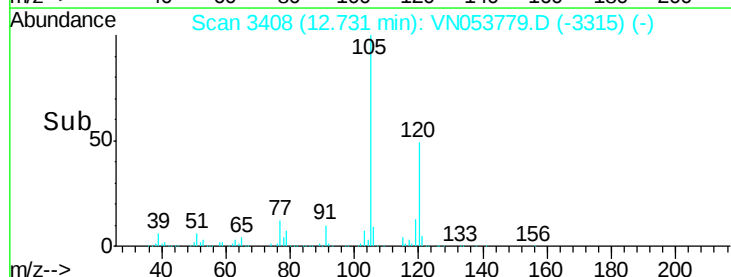
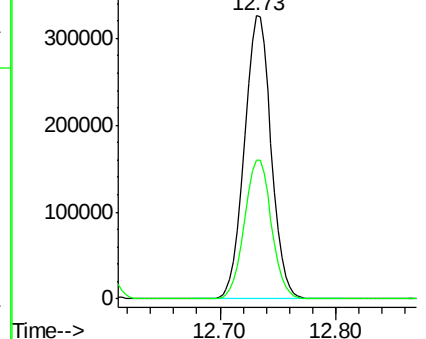
105 100

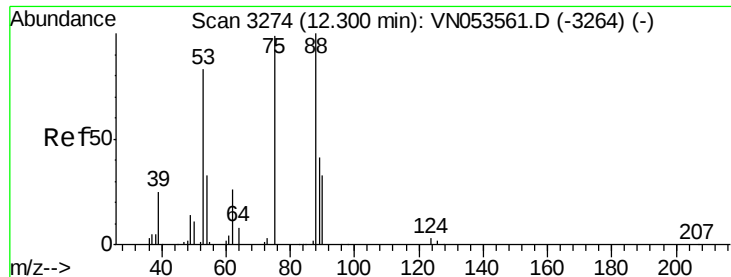
120 49.8 24.9 74.6



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

Ion 120.00 (119.70 to 120.70): VN053561.D (-3393) (-)

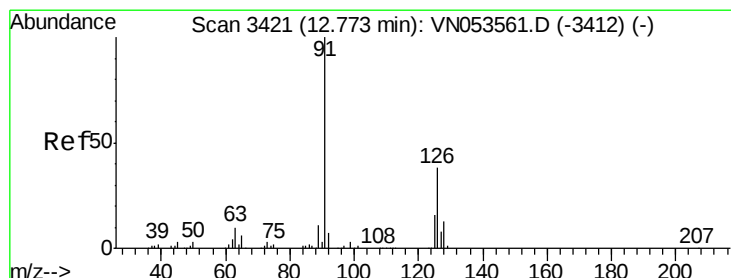
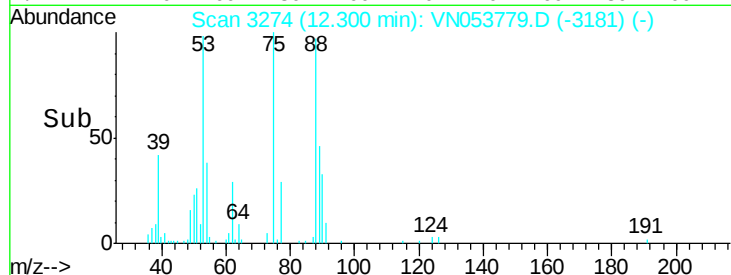
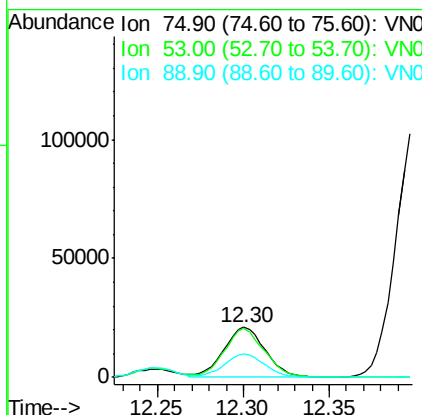
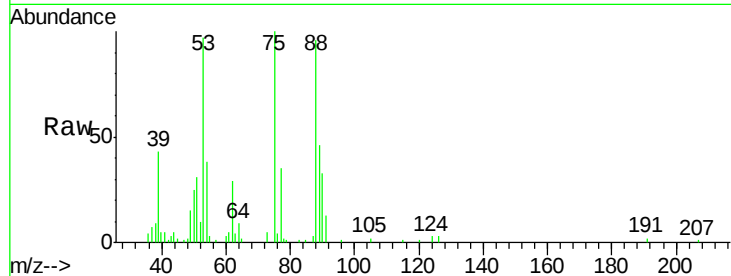




#81
trans-1,4-Dichloro-2-butene
Concen: 19.243 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

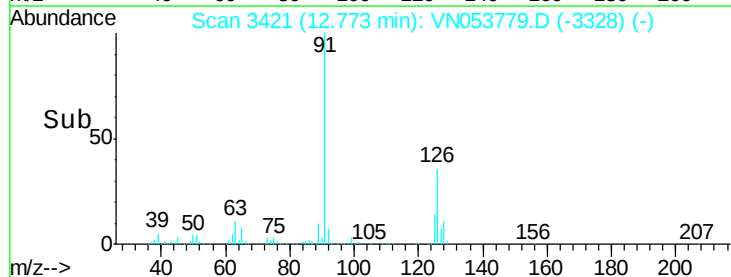
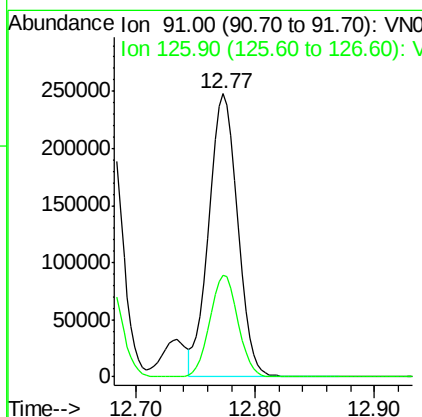
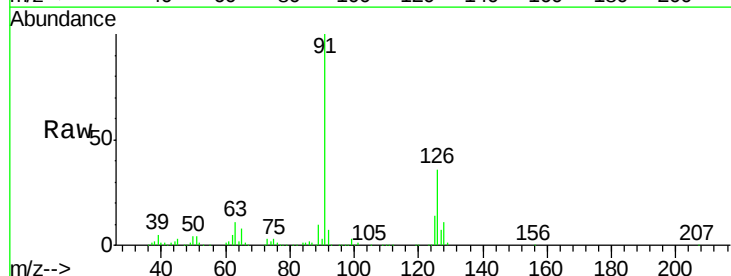
Instrument :
MSVOA_N
ClientSampleId :

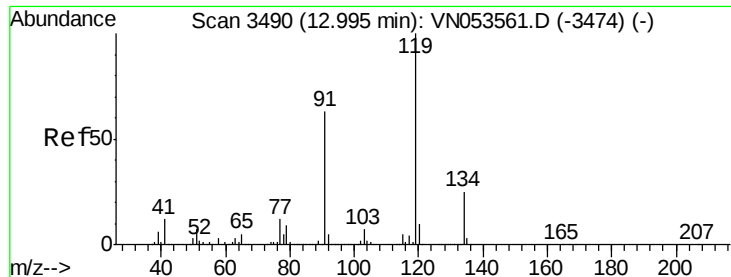
Tot Ion: 75 Resp: 35821
Ion Ratio Lower Upper
75 100
53 93.5 69.8 104.6
89 45.7 35.6 53.4



#82
4-Chlorotoluene
Concen: 20.598 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

Tgt Ion: 91 Resp: 415288
Ion Ratio Lower Upper
91 100
126 35.2 17.6 52.9

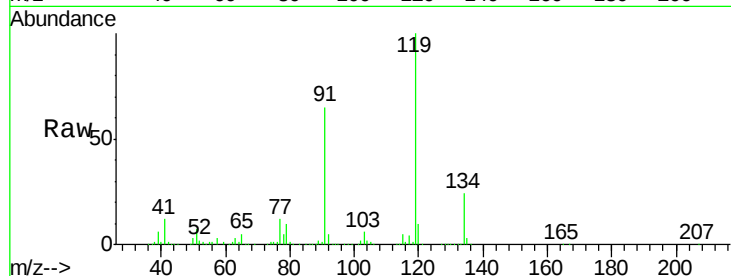




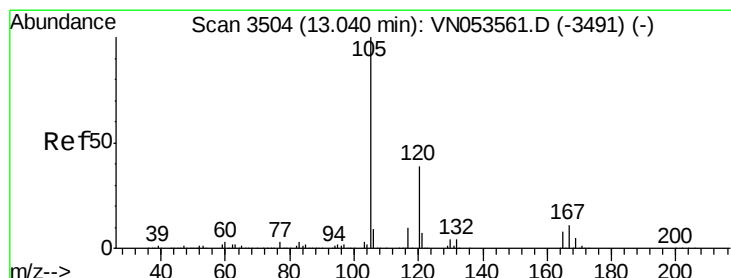
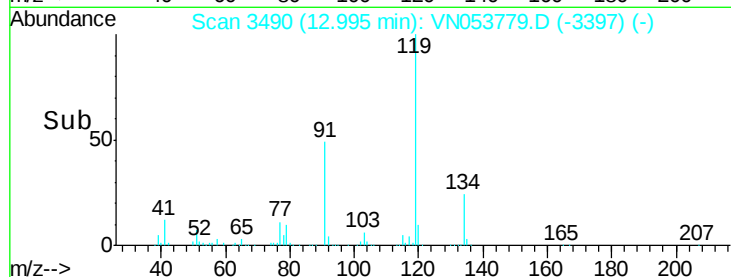
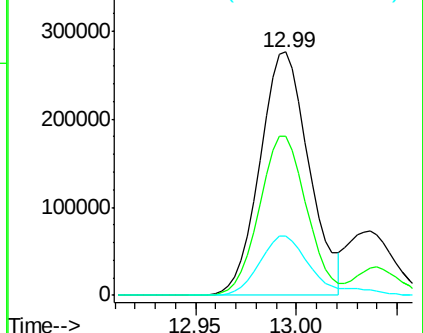
#83
 tert-Butylbenzene
 Concen: 22.337 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053779.D
 Acq: 14 Feb 2019 15:09

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:119 Resp: 468993
 Ion Ratio Lower Upper
 119 100
 91 63.5 31.3 93.8
 134 26.0 12.9 38.7

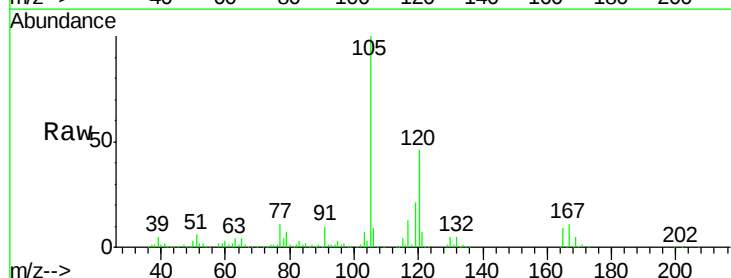


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

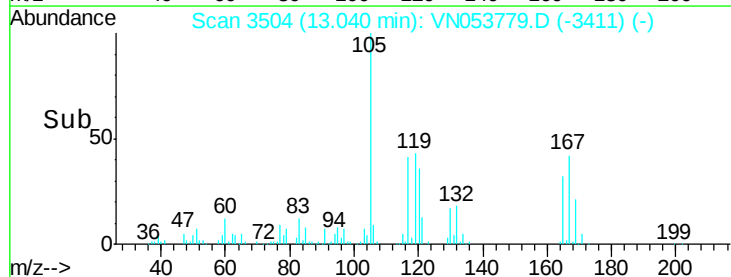
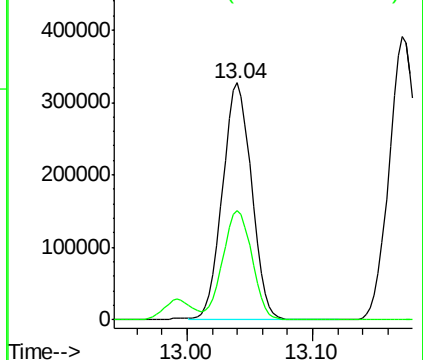


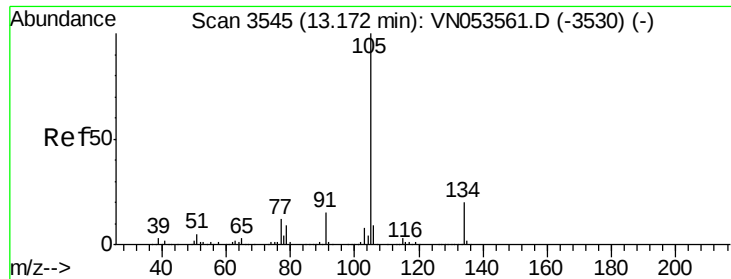
#84
 1,2,4-Trimethylbenzene
 Concen: 21.700 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053779.D
 Acq: 14 Feb 2019 15:09

Tgt Ion:105 Resp: 525219
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.0 69.0



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





#85

sec-Butylbenzene

Concen: 21.706 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

Instrument :

MSVOA_N

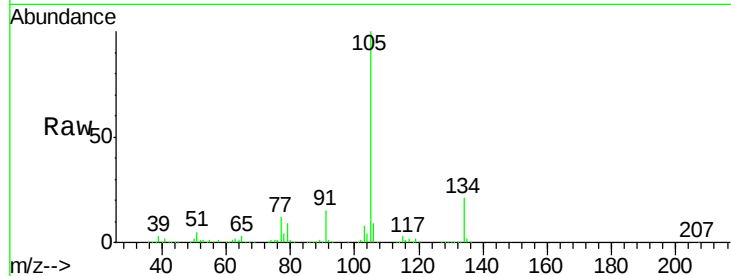
ClientSampleId :

Tot Ion:105 Resp: 620187

Ion Ratio Lower Upper

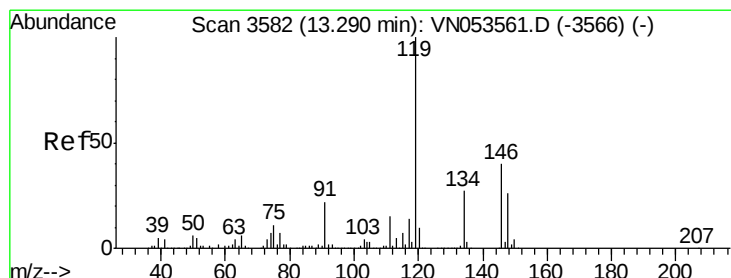
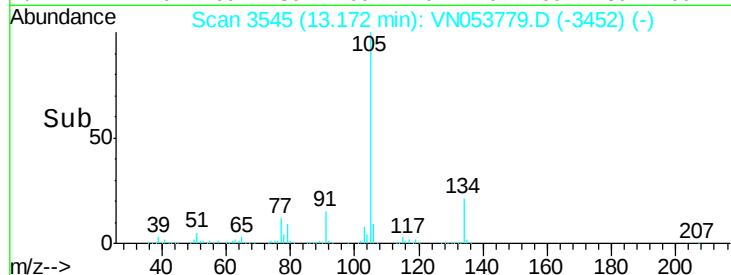
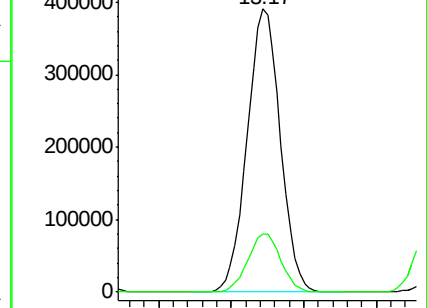
105 100

134 20.6 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: 23.488 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

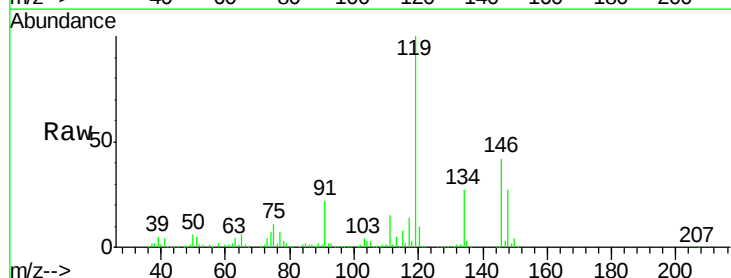
Tgt Ion:119 Resp: 586925

Ion Ratio Lower Upper

119 100

134 27.3 13.5 40.4

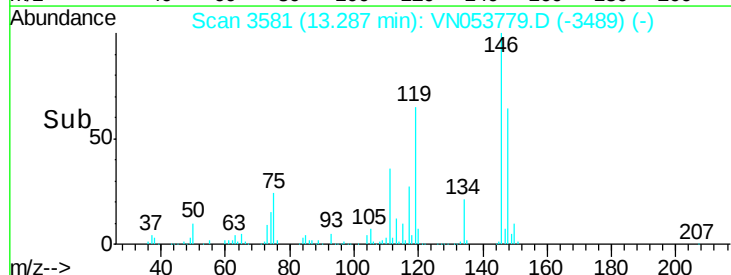
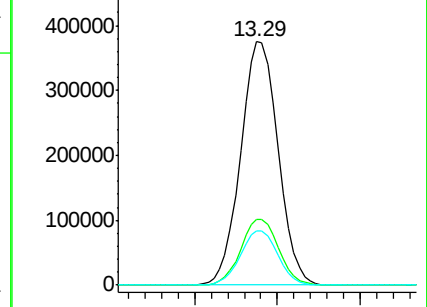
91 22.1 11.0 33.0

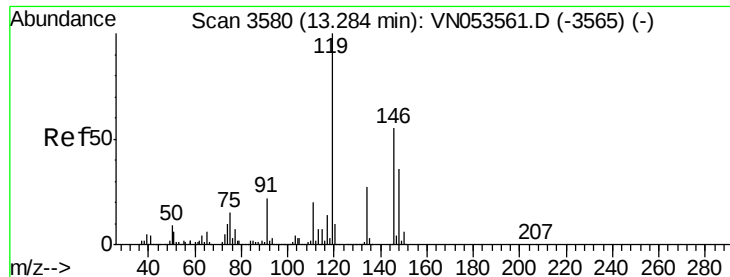


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.112 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

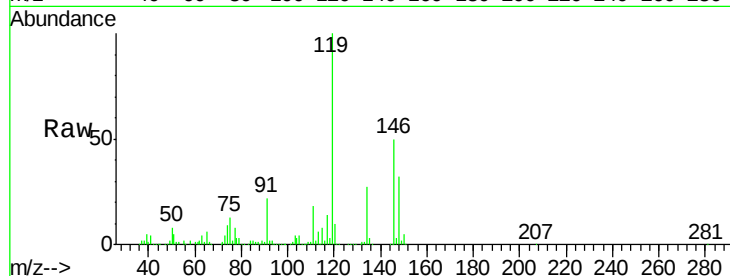
Instrument :

MSVOA_N

ClientSampled :

Tot Ion:146 Resp: 279147

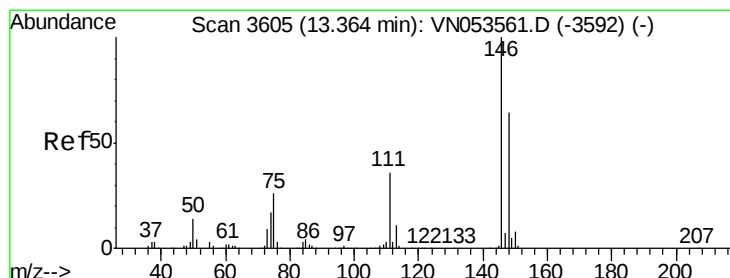
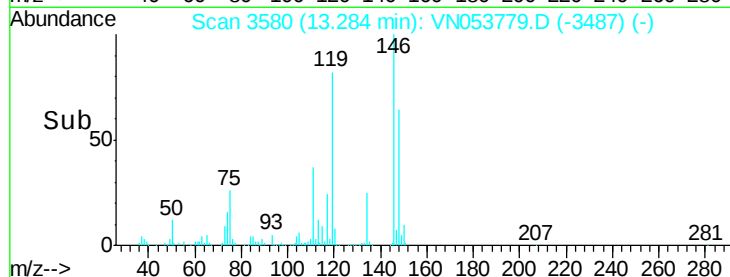
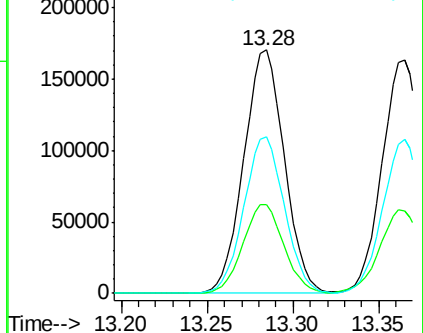
Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.8	56.3
148	64.2	32.0	96.2



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: 19.570 ug/l

RT: 13.36 min Scan# 3605

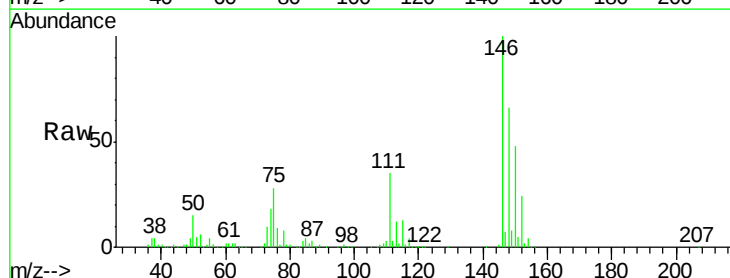
Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

Tgt Ion:146 Resp: 268689

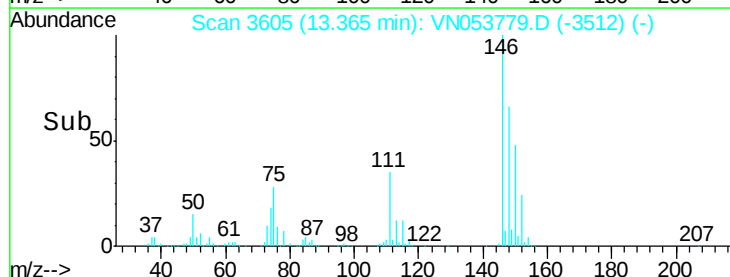
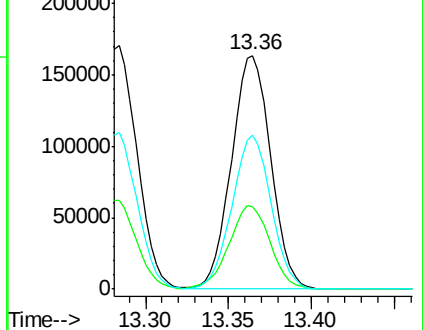
Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.6	55.8
148	65.8	32.4	97.0

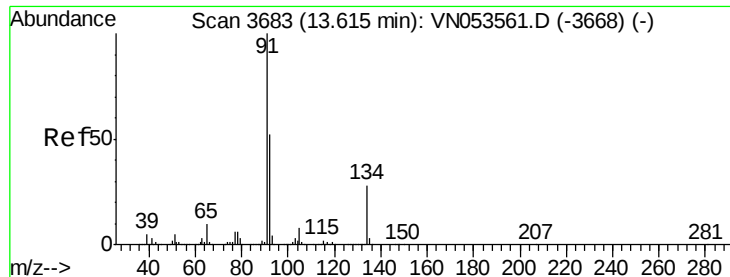


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 19.777 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

Instrument :

MSVOA_N

ClientSampleId :

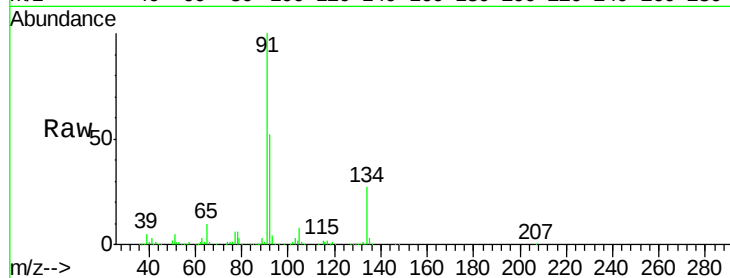
Tot Ion: 91 Resp: 427771

Ion Ratio Lower Upper

91 100

92 51.8 26.3 78.8

134 26.9 13.5 40.5

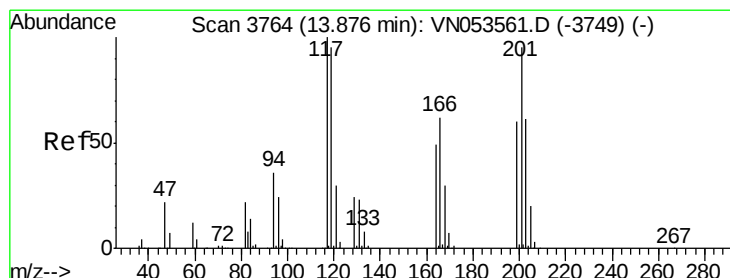
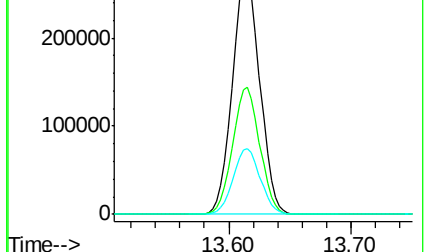
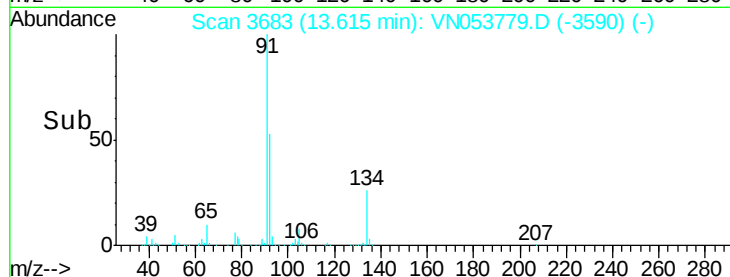


Abundance Ion 91.00 (90.70 to 91.70): VN053561.D (-3668) (-)

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

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

Time-->



#90

Hexachloroethane

Concen: 22.529 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN053779.D

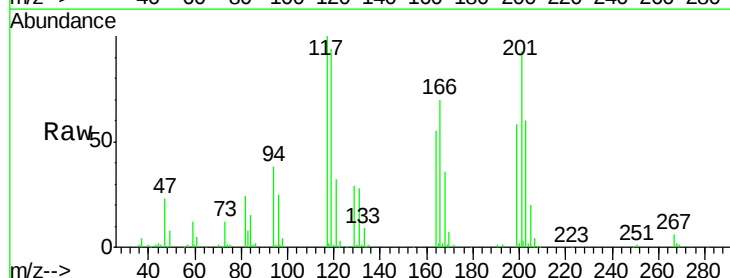
Acq: 14 Feb 2019 15:09

Tgt Ion: 117 Resp: 92862

Ion Ratio Lower Upper

117 100

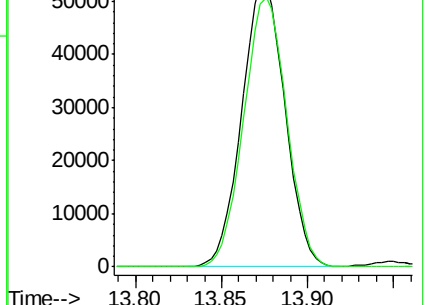
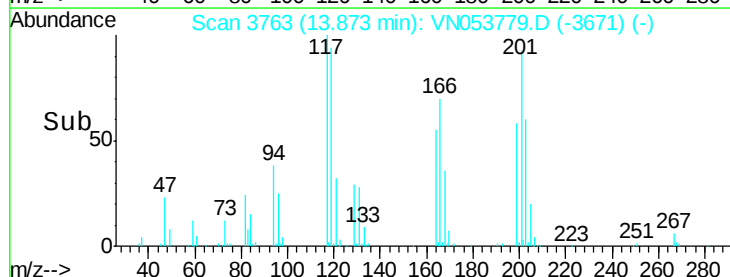
201 94.6 46.8 140.4



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

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

Time-->





#91

1,2-Dichlorobenzene

Concen: 21.190 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

Instrument :

MSVOA_N

ClientSampleId :

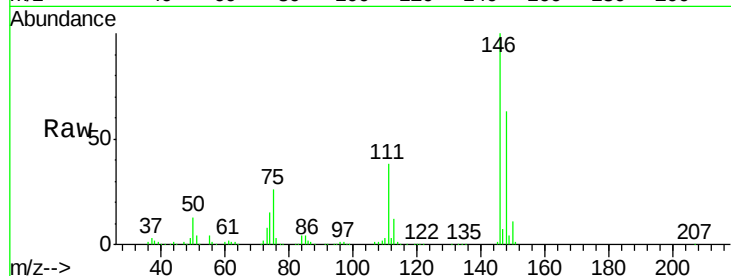
Tot Ion:146 Resp: 281565

Ion Ratio Lower Upper

146 100

111 37.8 19.5 58.5

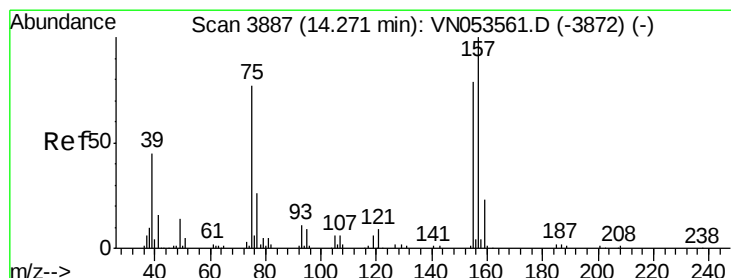
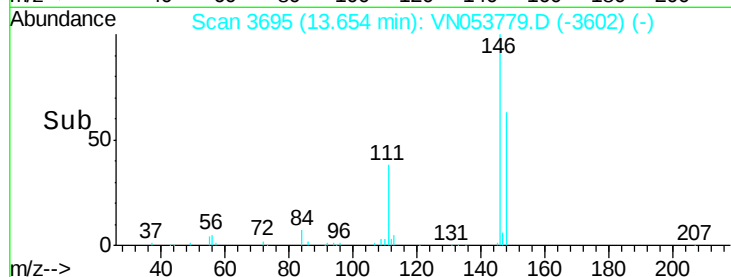
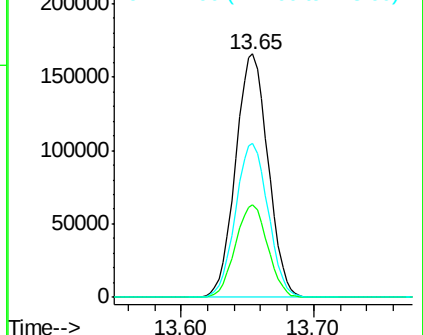
148 63.4 31.9 95.9



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: 21.923 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

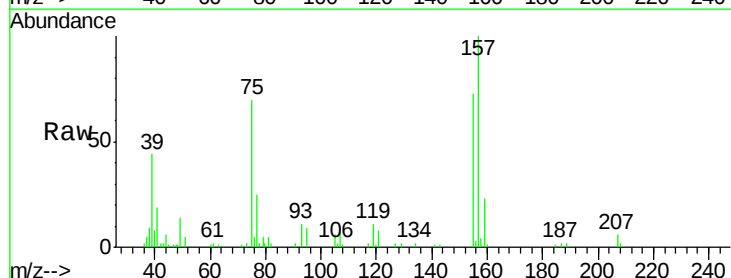
Tgt Ion: 75 Resp: 21422

Ion Ratio Lower Upper

75 100

155 97.8 48.9 146.7

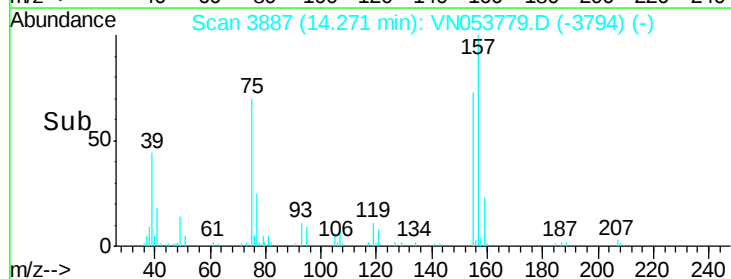
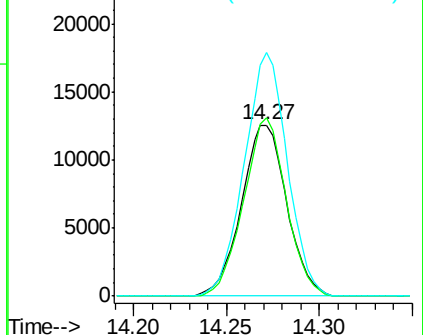
157 135.4 63.7 191.3



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

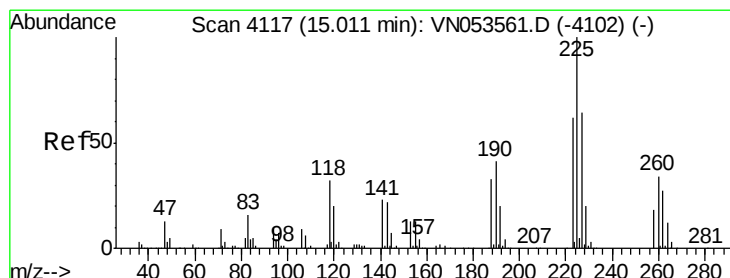
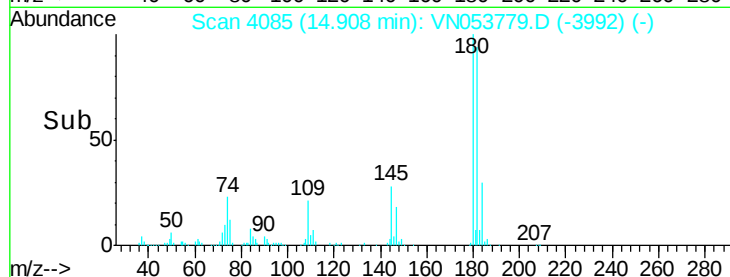
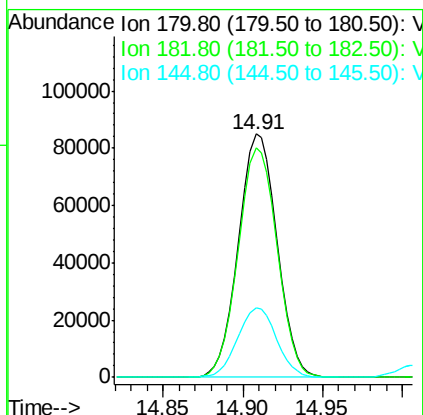
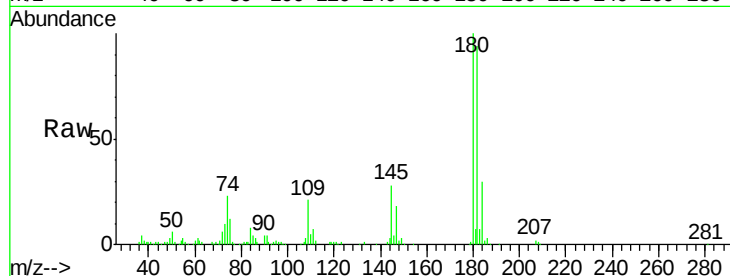




#93
 1,2,4-Trichlorobenzene
 Concen: 18.299 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053779.D
 Acq: 14 Feb 2019 15:09

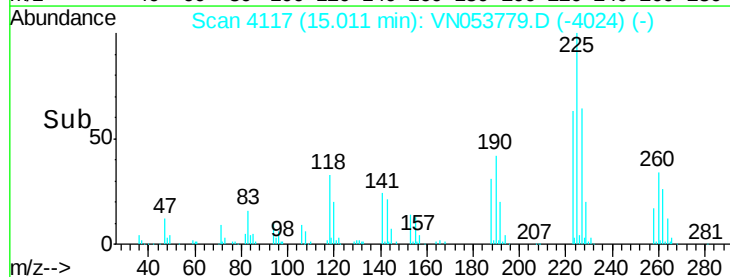
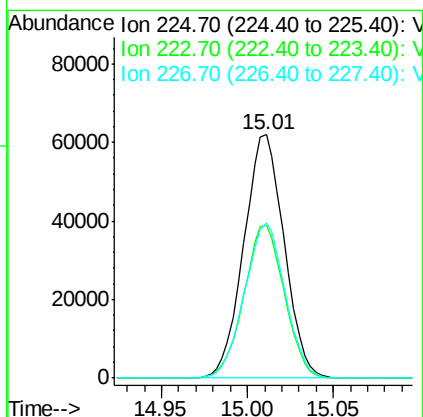
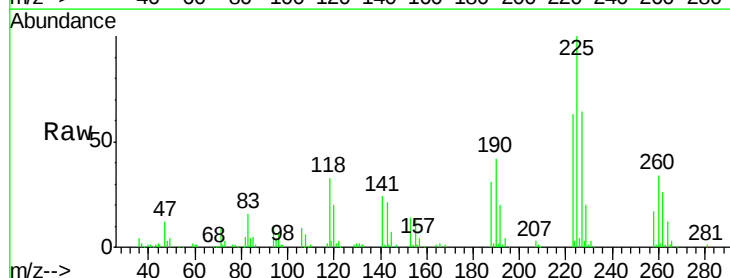
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 139453
 Ion Ratio Lower Upper
 180 100
 182 95.0 48.1 144.3
 145 28.8 13.9 41.6



#94
 Hexachlorobutadiene
 Concen: 21.225 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053779.D
 Acq: 14 Feb 2019 15:09

Tgt Ion:225 Resp: 100733
 Ion Ratio Lower Upper
 225 100
 223 62.8 31.1 93.2
 227 64.0 32.0 96.2





#95

Naphthalene

Concen: 17.083 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

Instrument :

MSVOA_N

ClientSampleId :

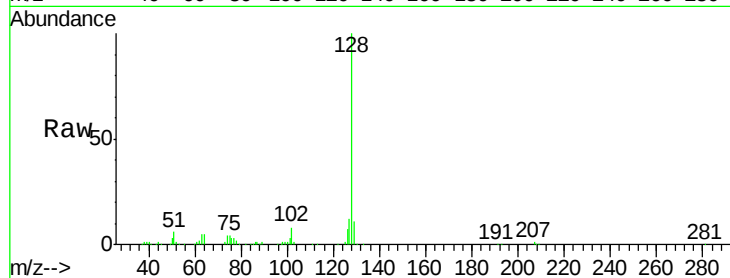
Tot Ion:128 Resp: 284624

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

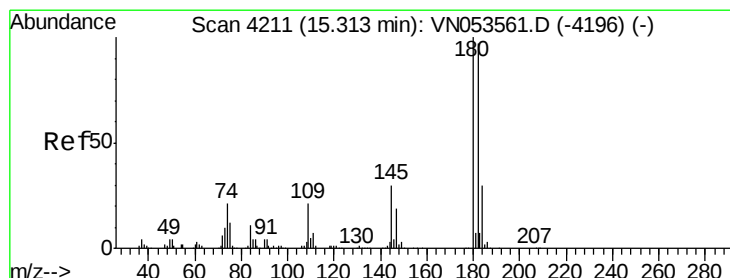
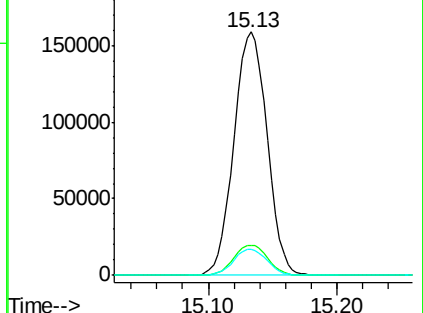
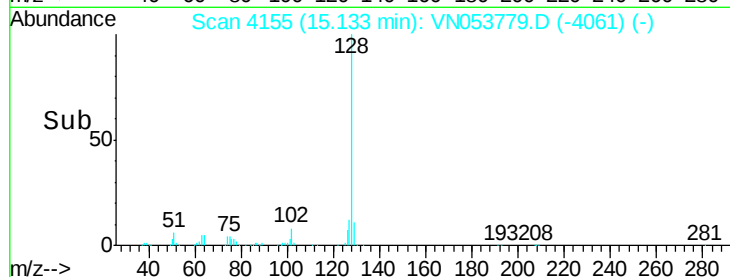
129 10.8 8.6 13.0



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: 19.637 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

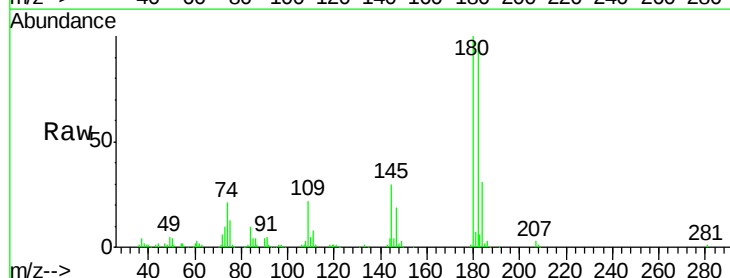
Tgt Ion:180 Resp: 138852

Ion Ratio Lower Upper

180 100

182 97.3 47.9 143.8

145 29.6 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

