

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091718\
 Data File : VN051278.D
 Acq On : 17 Sep 2018 18:38
 Operator : MD\SY
 Sample : J4773-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 19 09:29:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 18 06:04:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	439707	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	661767	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	545663	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	157396	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	237329	49.66	ug/l	0.00
Spiked Amount			Recovery	=	99.32%	
35) Dibromofluoromethane	7.59	113	254475	49.48	ug/l	0.00
Spiked Amount			Recovery	=	98.96%	
50) Toluene-d8	10.09	98	872354	45.89	ug/l	0.00
Spiked Amount			Recovery	=	91.78%	
62) 4-Bromofluorobenzene	12.40	95	221310	36.60	ug/l	0.00
Spiked Amount			Recovery	=	73.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2208	Below Cal		94
5) Bromomethane	2.57	94	2396	1.22 ug/l	#	72
10) Methyl Iodide	3.95	142	467	6.19 ug/l	#	82
11) Tert butyl alcohol	4.76	59	400	1.52 ug/l	#	73
16) Acetone	3.83	43	20731	10.07 ug/l		96
18) Methyl Acetate	4.33	43	7771	1.67 ug/l		94
20) Methylene Chloride	4.55	84	10793	2.06 ug/l		90
25) 2-Butanone	6.84	43	5378	3.51 ug/l		93
28) Bromochloromethane	7.38	49	959	0.26 ug/l	#	6
29) Tetrahydrofuran	7.21	42	307	0.32 ug/l	#	62
30) Chloroform	7.38	83	17983	2.07 ug/l		96
31) Cyclohexane	7.67	56	6893	0.83 ug/l	#	1
36) 1,1-Dichloropropene	7.67	75	27956	3.90 ug/l	#	45
37) Ethyl Acetate	6.84	43	5378	1.46 ug/l	#	71
38) Carbon Tetrachloride	7.67	117	37477	5.02 ug/l	#	17
43) Isopropyl Acetate	8.17	43	146850	23.05 ug/l		99
47) Bromodichloromethane	9.40	83	4625	0.66 ug/l	#	89
48) Methyl methacrylate	9.18	41	4726	1.54 ug/l	#	17
51) 4-Methyl-2-Pentanone	9.99	43	1332	0.41 ug/l		95
56) Ethyl methacrylate	10.24	69	602	2.17 ug/l	#	29
59) 2-Hexanone	10.76	43	10470	4.84 ug/l		62
70) Styrene	11.97	104	598	1.29 ug/l	#	57
76) 1,2,3-Trichloropropane	12.40	75	100955	46.74 ug/l	#	100
77) Bromobenzene	12.53	156	295	Below Cal		58
81) trans-1,4-Dichloro-2-buten	12.40	75	100955	142.46 ug/l	#	15
88) 1,4-Dichlorobenzene	13.37	146	770	0.55 ug/l	#	1
89) n-Butylbenzene	13.62	91	740	2.10 ug/l	#	51
90) Hexachloroethane	14.00	117	334	Below Cal	#	1
91) 1,2-Dichlorobenzene	13.66	146	622	Below Cal	#	86
93) 1,2,4-Trichlorobenzene	14.91	180	712	5.27 ug/l	#	75
95) Naphthalene	15.13	128	13202	8.29 ug/l		97
96) 1,2,3-Trichlorobenzene	15.32	180	939	4.21 ug/l	#	84

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QLast Update : Tue Sep 18 06:04:06 2018
Response via : Initial Calibration

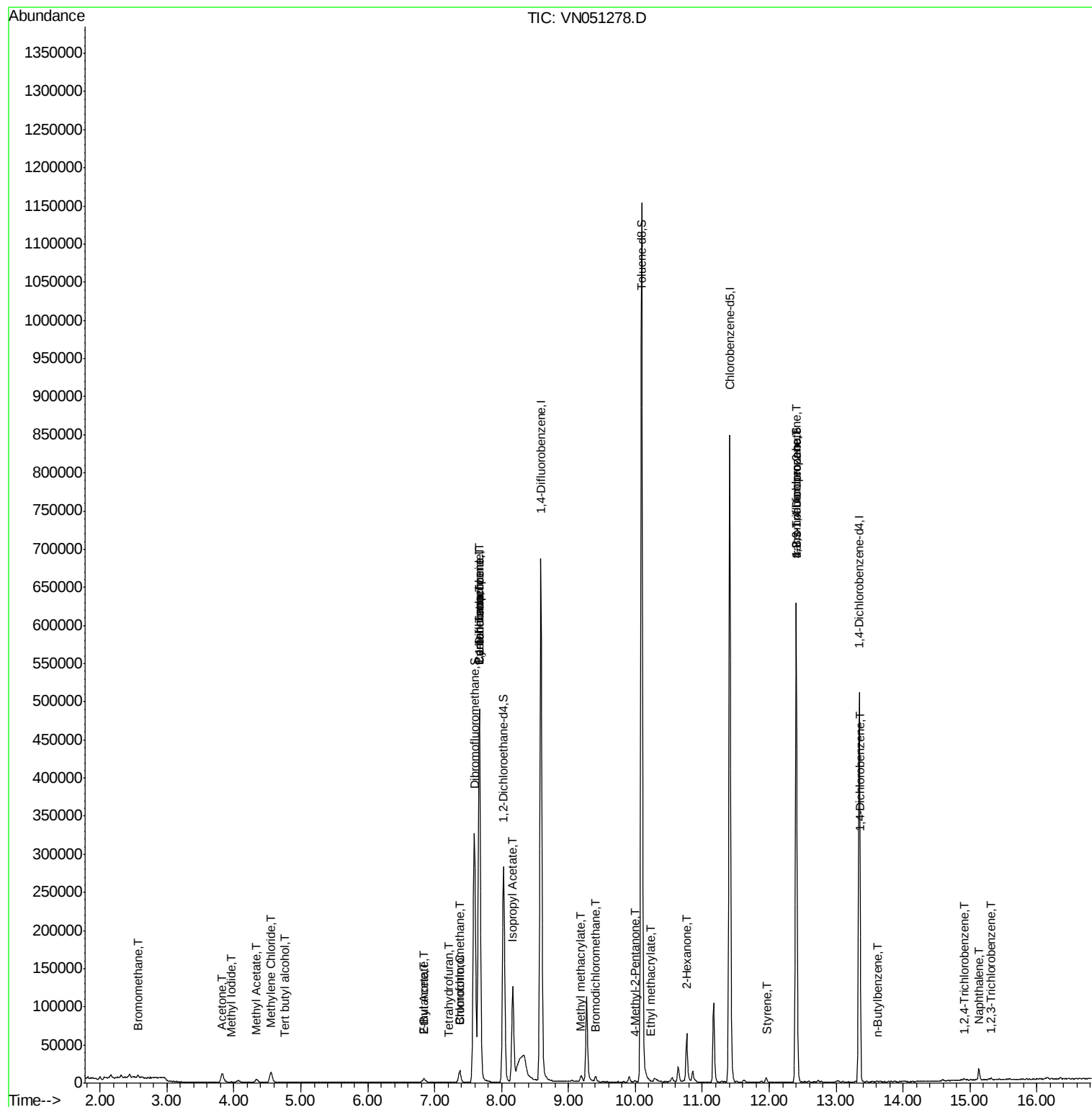
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

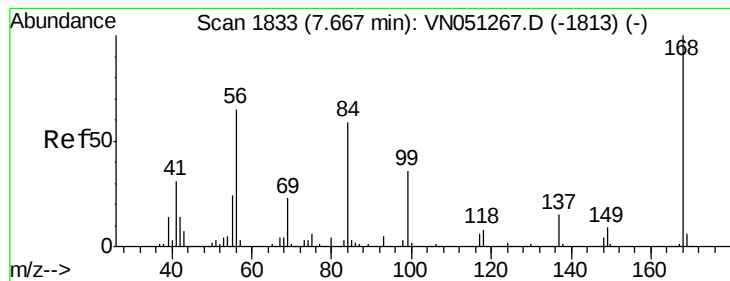
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091718\
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Acq On : 17 Sep 2018 18:38
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051278.D

Acq: 17 Sep 2018 18:38

Instrument :

MSVOA_N

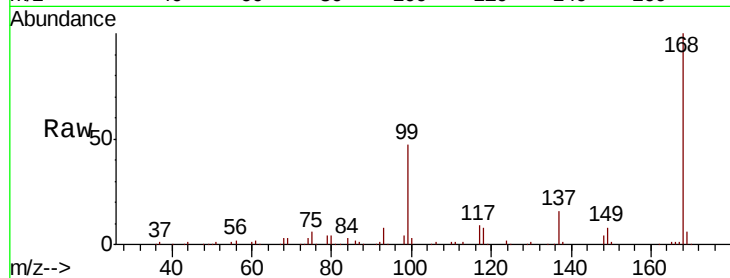
ClientSampled :

Tot Ion:168 Resp: 439707

Ion Ratio Lower Upper

168 100

99 47.4 38.2 57.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

200000

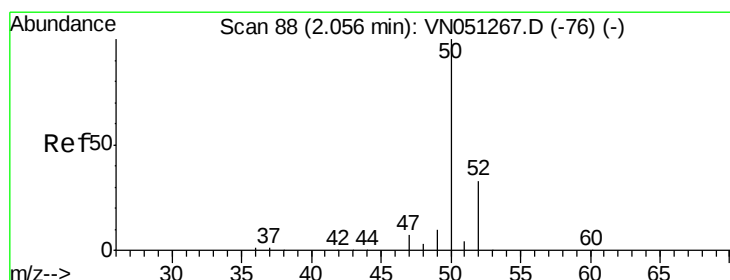
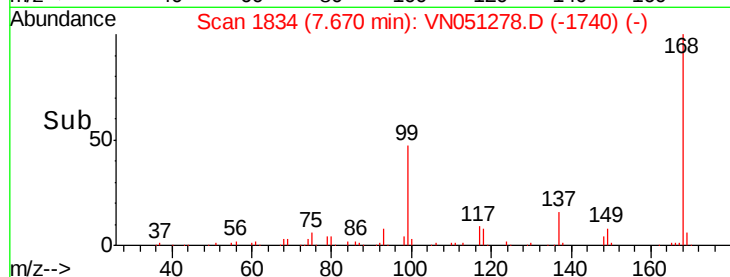
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051278.D

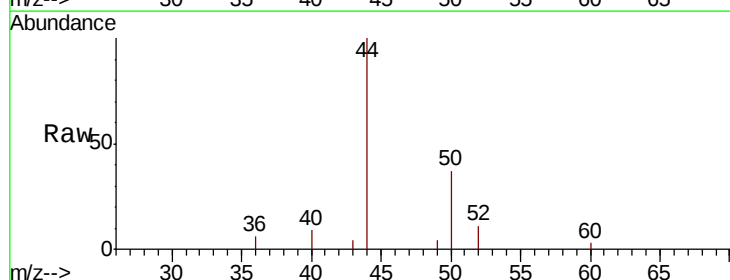
Acq: 17 Sep 2018 18:38

Tgt Ion: 50 Resp: 2208

Ion Ratio Lower Upper

50 100

52 30.1 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.06

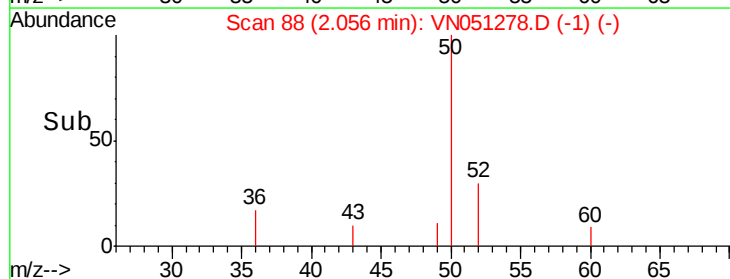
1500

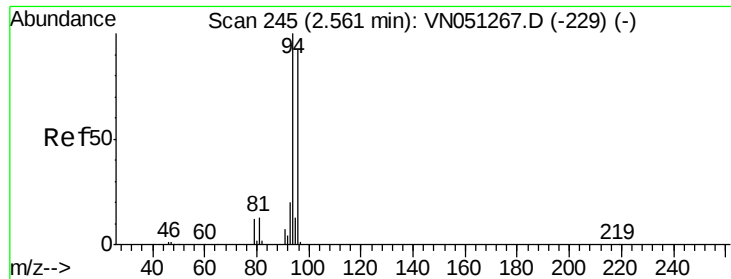
1000

500

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Time-->

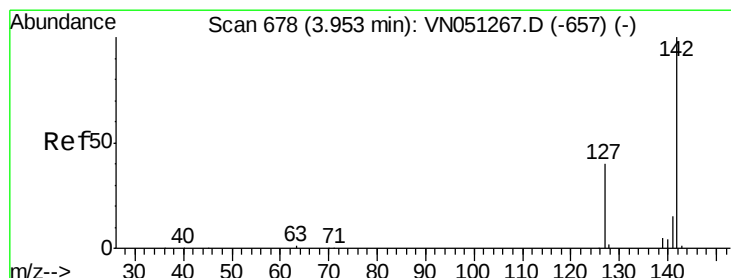
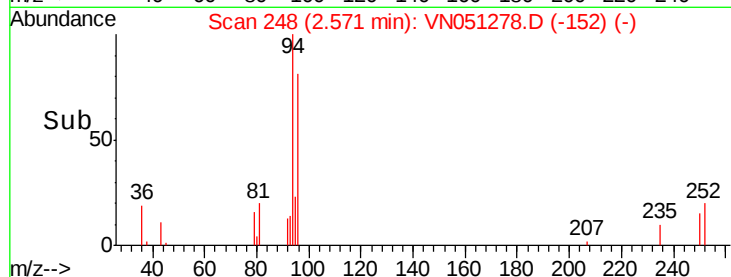
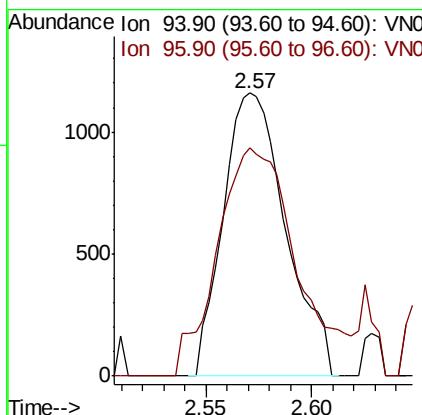
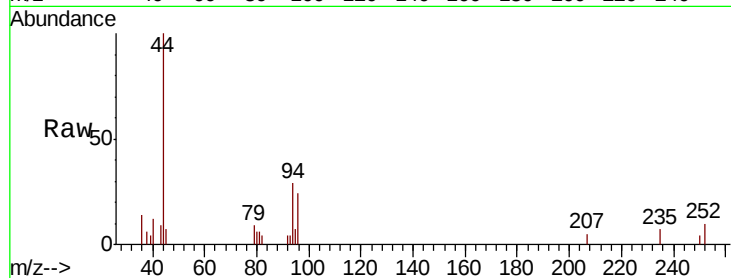




#5
Bromomethane
Concen: 1.22 ug/l
RT: 2.57 min Scan# 248
Delta R.T. 0.01 min
Lab File: VN051278.D
Acq: 17 Sep 2018 18:38

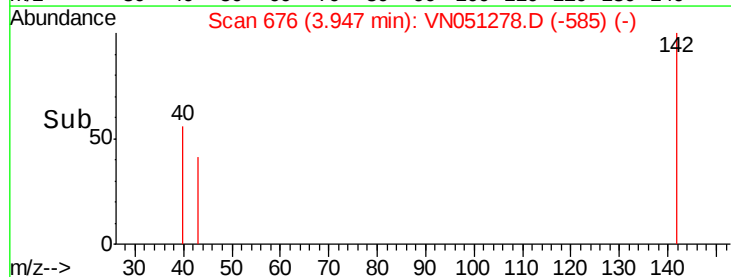
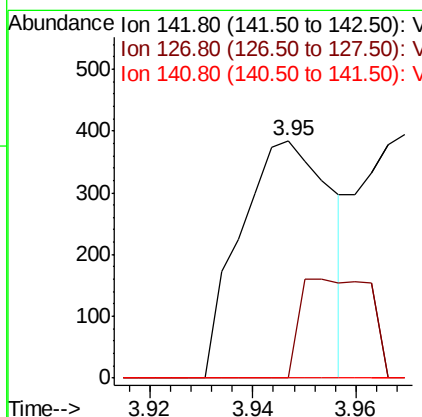
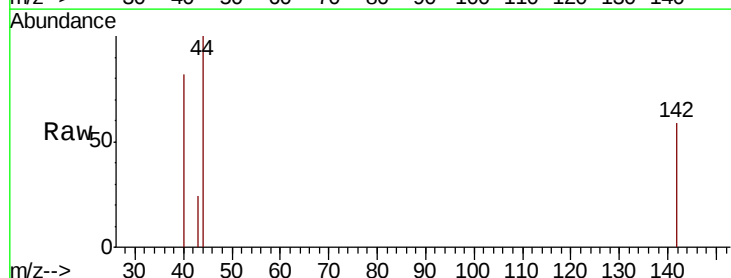
Instrument :
MSVOA_N
ClientSampled :

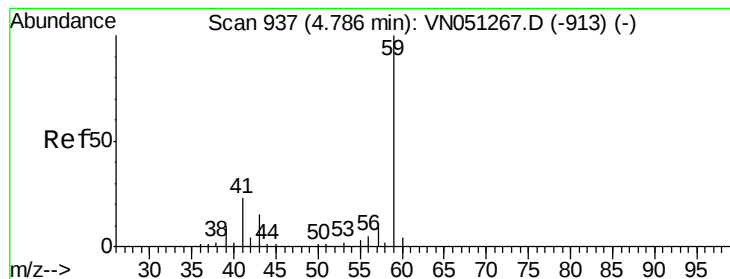
Tot Ion: 94 Resp: 2396
Ion Ratio Lower Upper
94 100
96 65.7 73.8 110.8#



#10
Methyl Iodide
Concen: 6.19 ug/l
RT: 3.95 min Scan# 676
Delta R.T. -0.01 min
Lab File: VN051278.D
Acq: 17 Sep 2018 18:38

Tgt Ion: 142 Resp: 467
Ion Ratio Lower Upper
142 100
127 32.3 31.7 47.5
141 0.0 11.6 17.4#



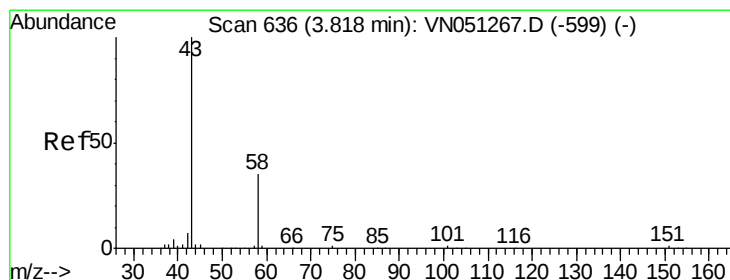
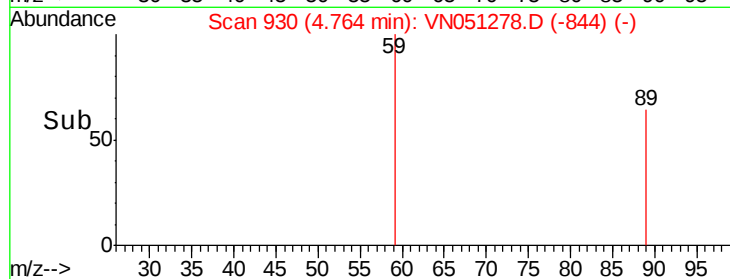
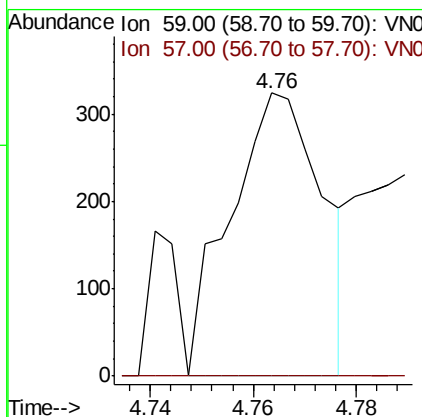
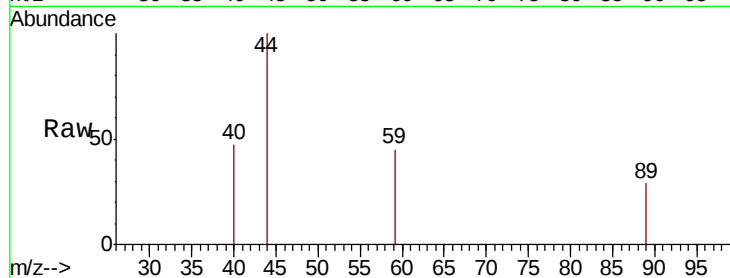


#11

Tert butyl alcohol
 Concen: 1.52 ug/l
 RT: 4.76 min Scan# 930
 Delta R.T. -0.02 min
 Lab File: VN051278.D
 Acq: 17 Sep 2018 18:38

Instrument :
 MSVOA_N
 ClientSampled :

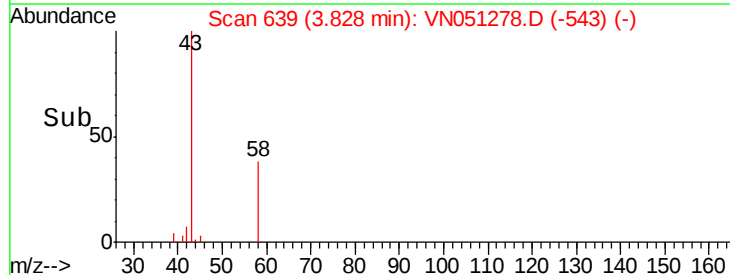
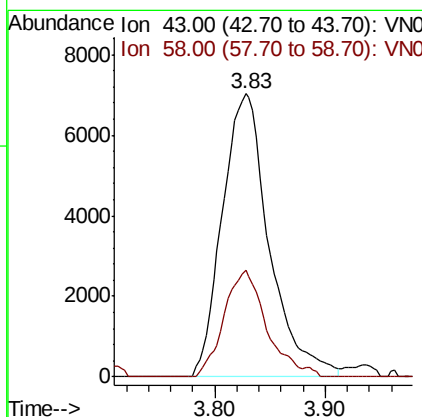
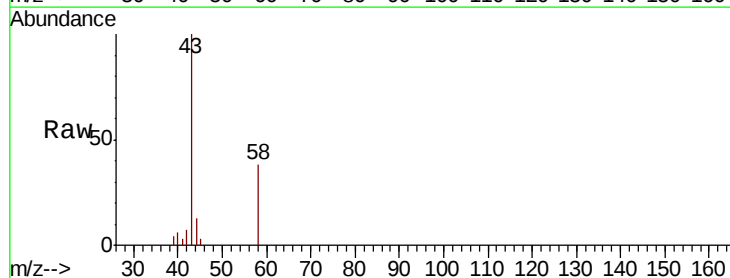
Tot Ion: 59 Resp: 400
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#

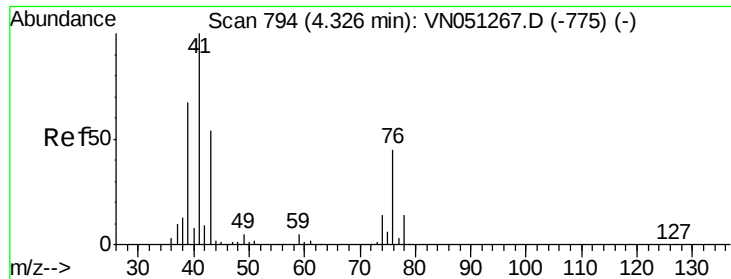


#16

Acetone
 Concen: 10.07 ug/l
 RT: 3.83 min Scan# 639
 Delta R.T. 0.01 min
 Lab File: VN051278.D
 Acq: 17 Sep 2018 18:38

Tgt Ion: 43 Resp: 20731
 Ion Ratio Lower Upper
 43 100
 58 37.5 28.2 42.2

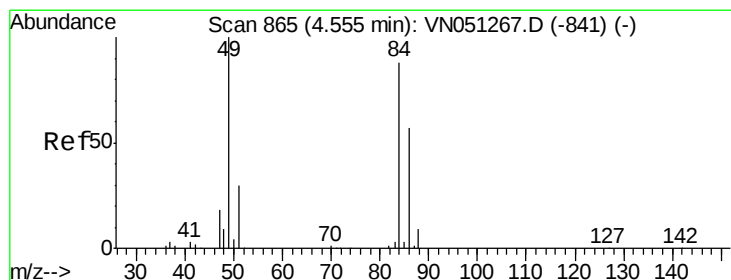
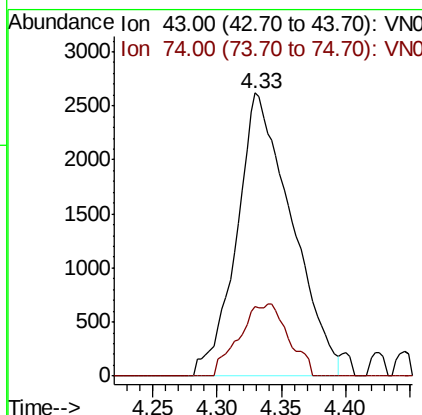
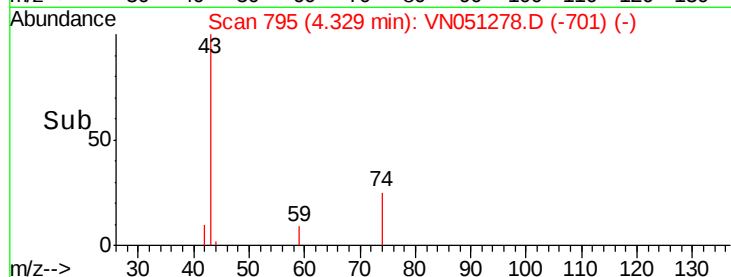
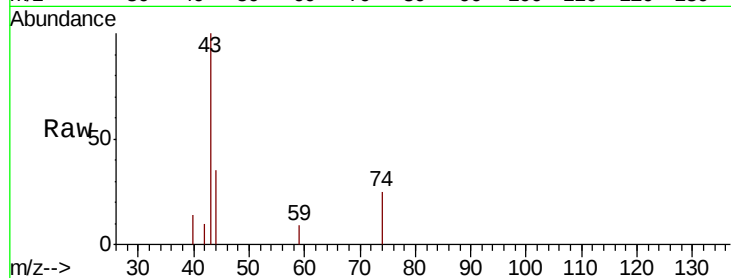




#18
Methyl Acetate
Concen: 1.67 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051278.D
Acq: 17 Sep 2018 18:38

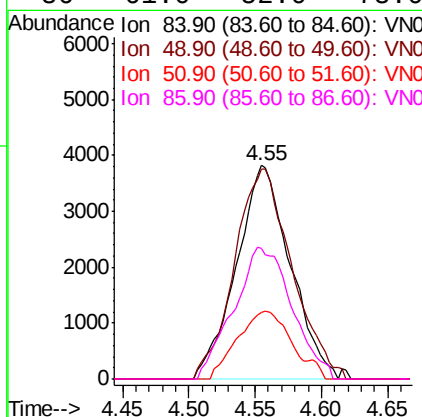
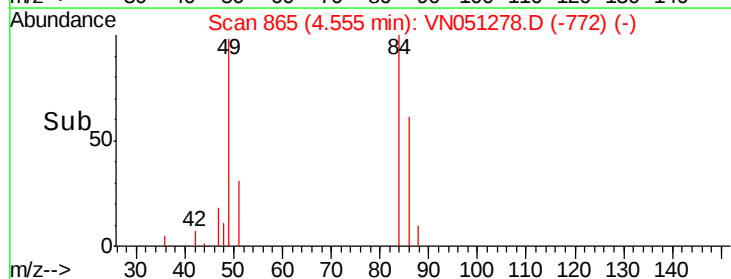
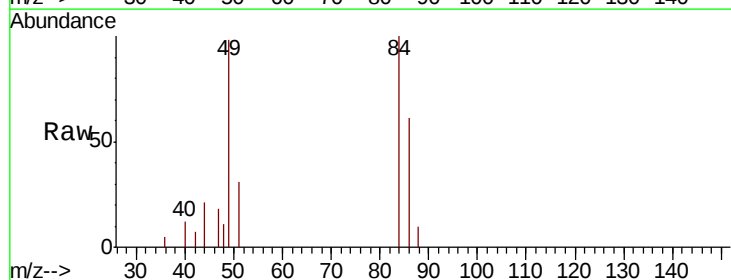
Instrument :
MSVOA_N
ClientSampleId :

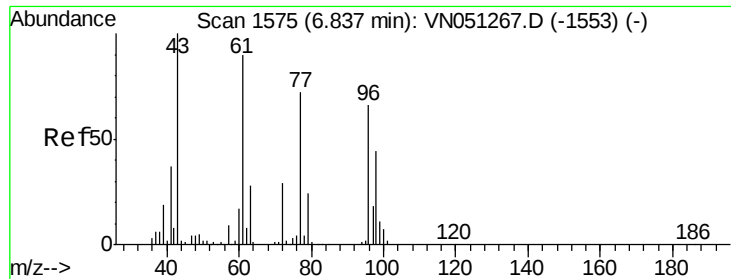
Tot Ion: 43 Resp: 7771
Ion Ratio Lower Upper
43 100
74 22.9 20.8 31.2



#20
Methylene Chloride
Concen: 2.06 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN051278.D
Acq: 17 Sep 2018 18:38

Tgt Ion: 84 Resp: 10793
Ion Ratio Lower Upper
84 100
49 98.1 91.2 136.8
51 31.4 27.7 41.5
86 61.0 52.0 78.0





#25

2-Butanone

Concen: 3.51 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.01 min

Lab File: VN051278.D

Acq: 17 Sep 2018 18:38

Instrument :

MSVOA_N

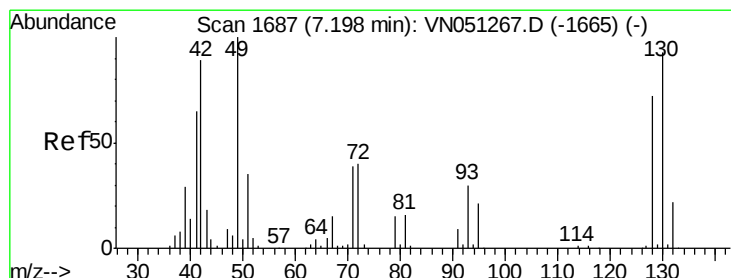
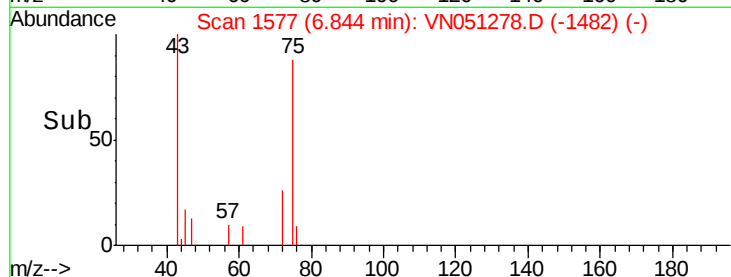
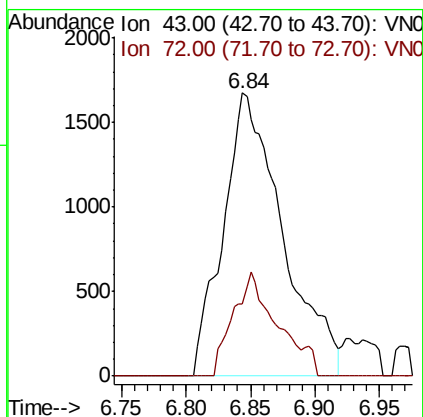
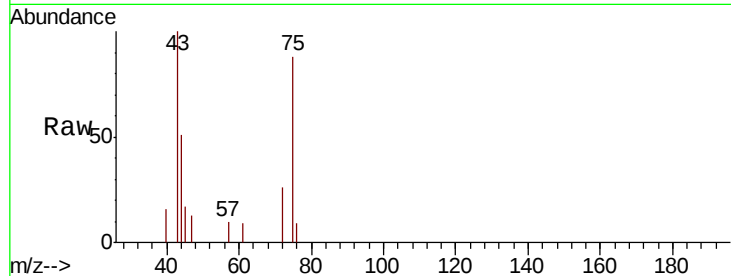
ClientSampleId :

Tot Ion: 43 Resp: 5378

Ion Ratio Lower Upper

43 100

72 25.6 23.4 35.0



#28

Bromochloromethane

Concen: 0.26 ug/l

RT: 7.38 min Scan# 1743

Delta R.T. 0.18 min

Lab File: VN051278.D

Acq: 17 Sep 2018 18:38

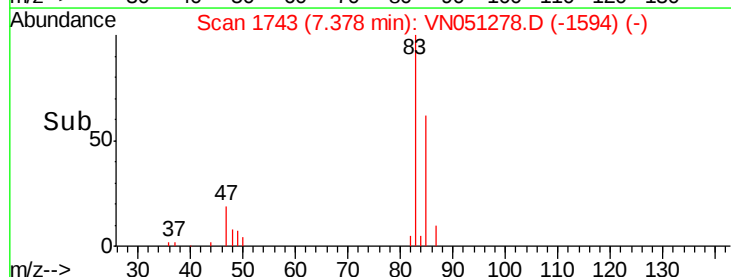
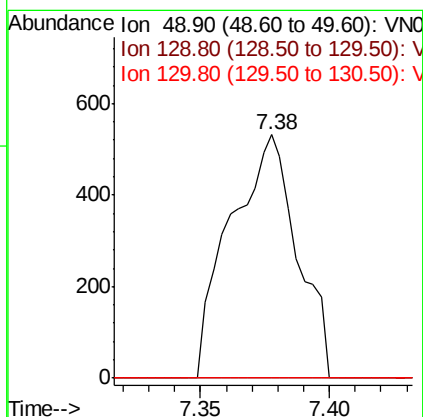
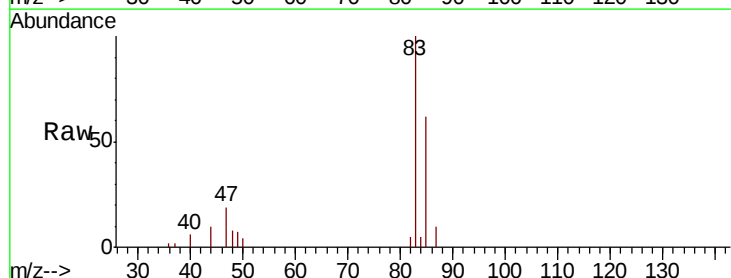
Tgt Ion: 49 Resp: 959

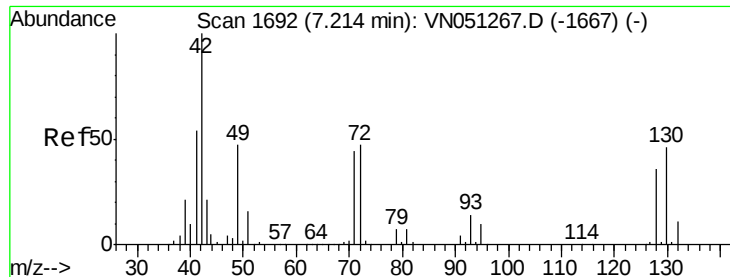
Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.6

130 0.0 73.7 110.5#

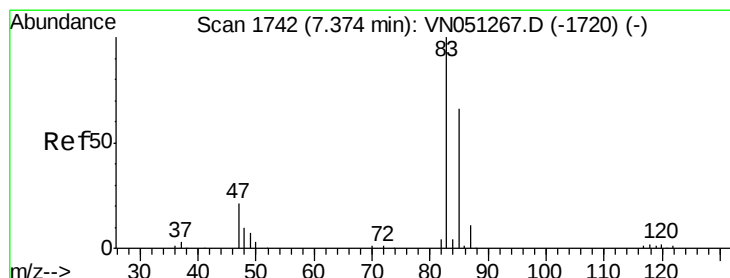
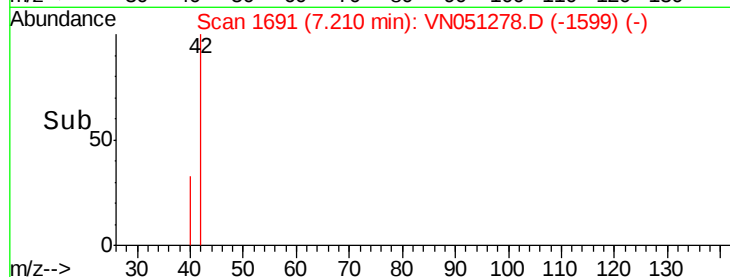
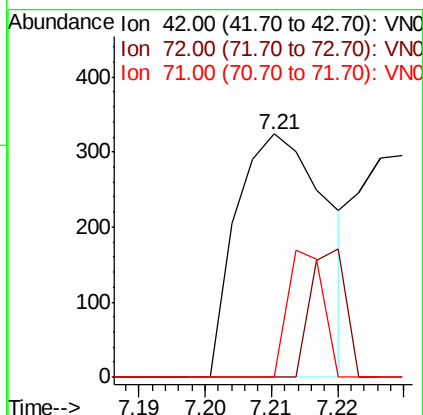
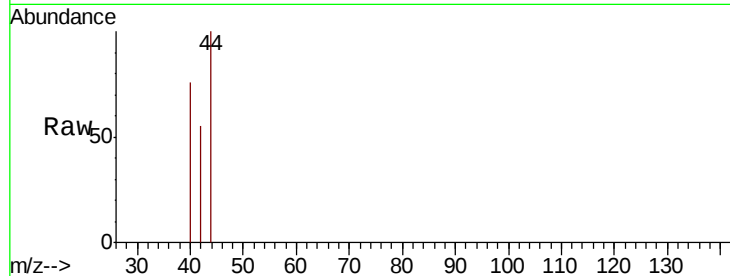




#29
Tetrahydrofuran
Concen: 0.32 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN051278.D
Acq: 17 Sep 2018 18:38

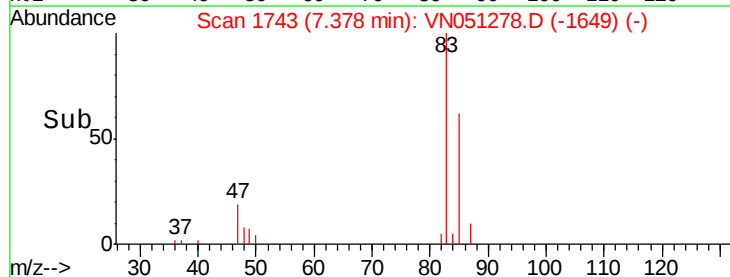
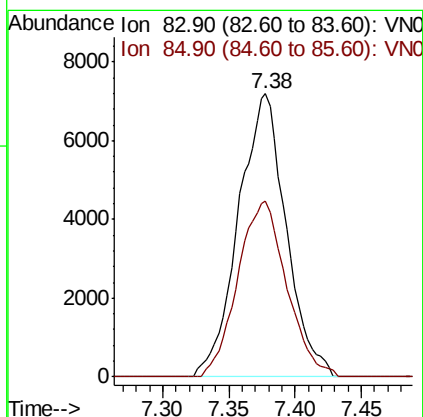
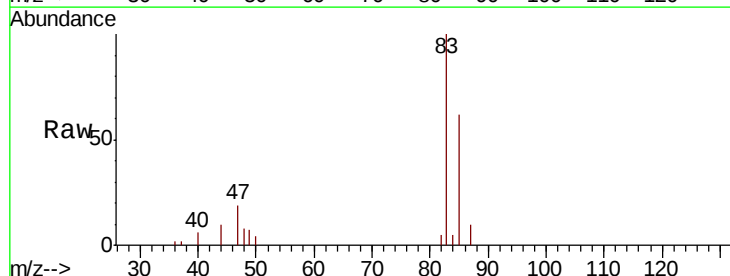
Instrument :
MSVOA_N
ClientSampleId :

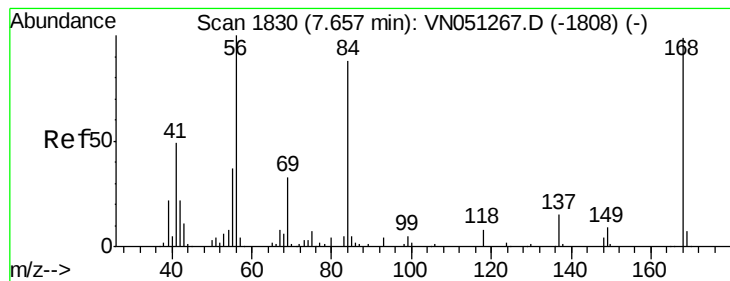
Tot Ion: 42 Resp: 307
Ion Ratio Lower Upper
42 100
72 20.5 37.6 56.4#
71 20.5 35.4 53.2#



#30
Chloroform
Concen: 2.07 ug/l
RT: 7.38 min Scan# 1743
Delta R.T. 0.00 min
Lab File: VN051278.D
Acq: 17 Sep 2018 18:38

Tgt Ion: 83 Resp: 17983
Ion Ratio Lower Upper
83 100
85 62.3 52.4 78.6





#31

Cyclohexane

Concen: 0.83 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN051278.D

Acq: 17 Sep 2018 18:38

Instrument :

MSVOA_N

ClientSampled :

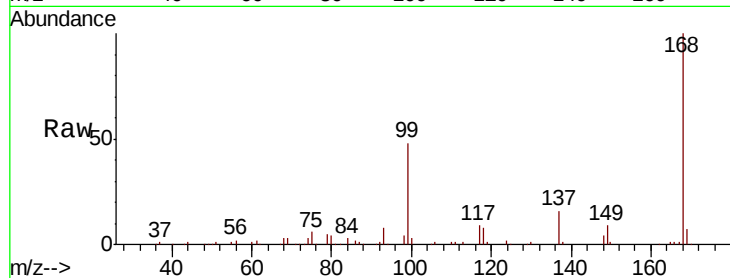
Tot Ion: 56 Resp: 6893

Ion Ratio Lower Upper

56 100

69 208.2 26.2 39.2#

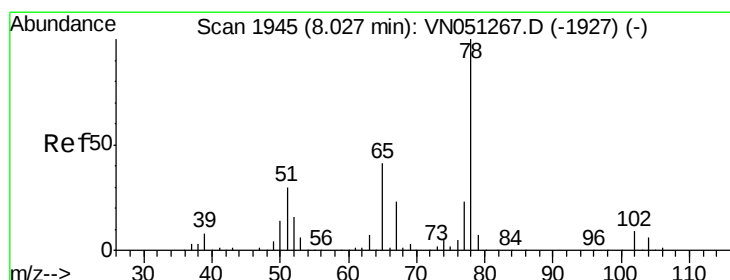
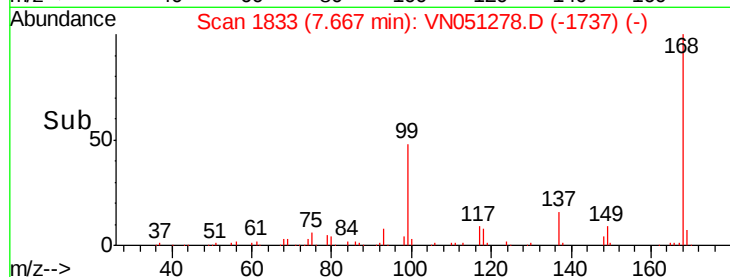
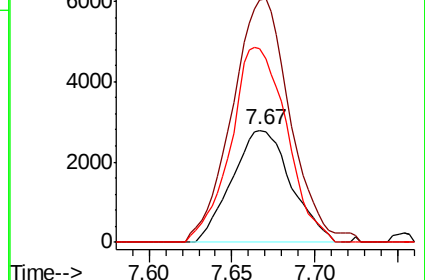
84 173.2 70.6 106.0#



Abundance Ion 56.00 (55.70 to 56.70): VN051267.D (-1808) (-)

Ion 69.00 (68.70 to 69.70): VN051267.D (-1808) (-)

Ion 84.00 (83.70 to 84.70): VN051267.D (-1808) (-)



#33

1,2-Dichloroethane-d4

Concen: 49.66 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051278.D

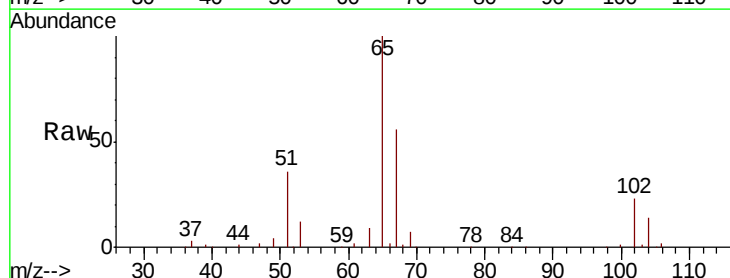
Acq: 17 Sep 2018 18:38

Tgt Ion: 65 Resp: 237329

Ion Ratio Lower Upper

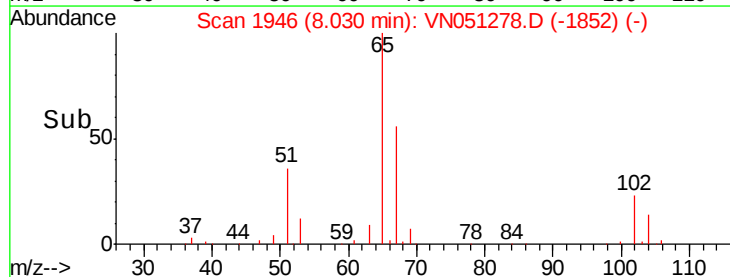
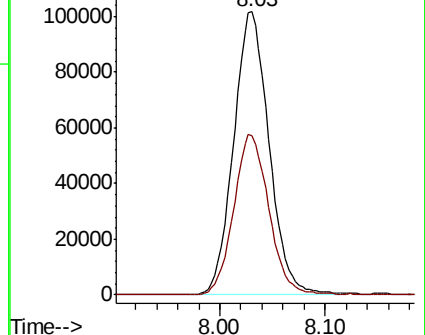
65 100

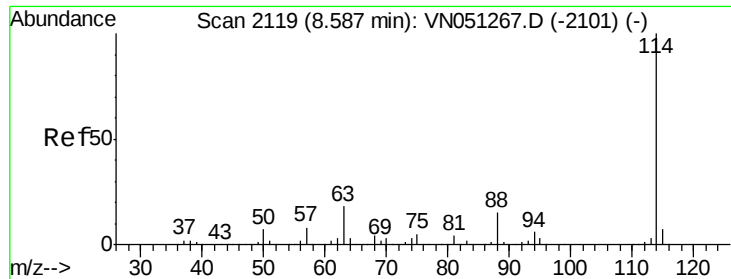
67 56.1 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VN051267.D (-1927) (-)

Ion 66.90 (66.60 to 67.60): VN051267.D (-1927) (-)

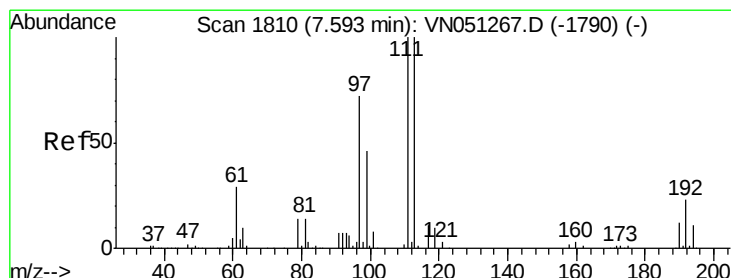
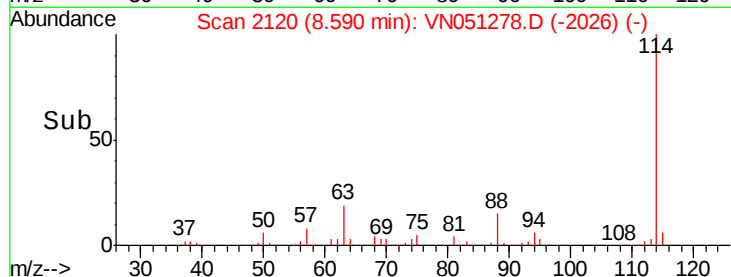
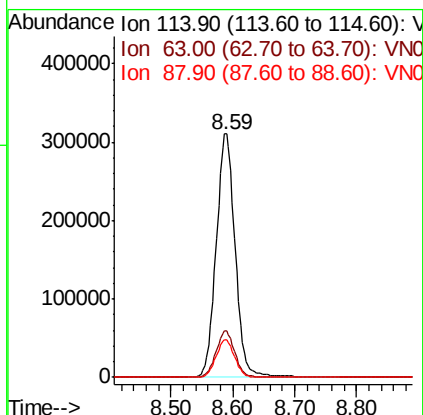
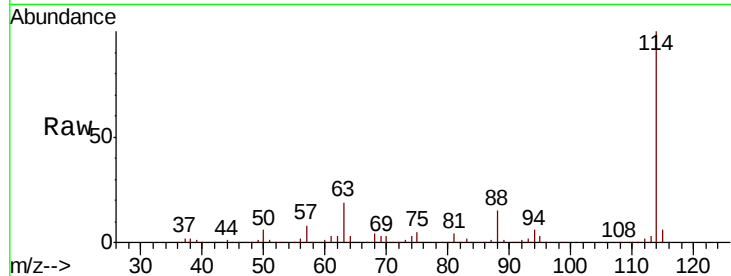




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2120
 Delta R.T. 0.00 min
 Lab File: VN051278.D
 Acq: 17 Sep 2018 18:38

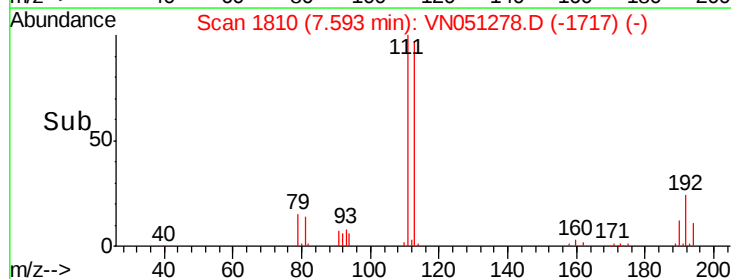
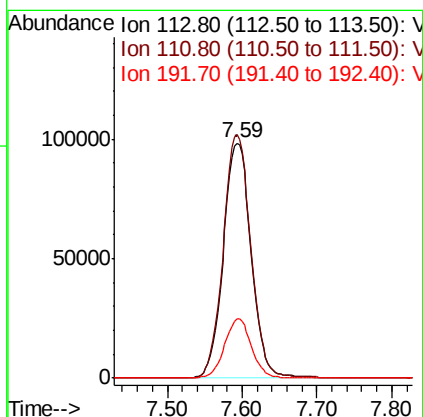
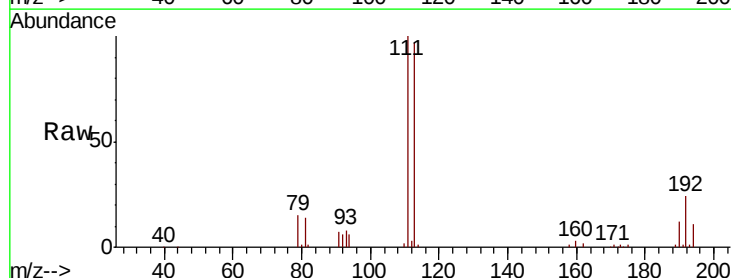
Instrument :
 MSVOA_N
 ClientSampleId :

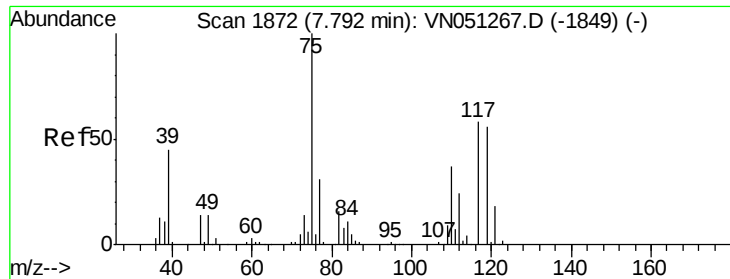
Tot Ion:114 Resp: 661767
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 36.8
 88 15.2 0.0 30.8



#35
 Dibromofluoromethane
 Concen: 49.48 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051278.D
 Acq: 17 Sep 2018 18:38

Tgt Ion:113 Resp: 254475
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.2 123.4
 192 24.3 19.0 28.6

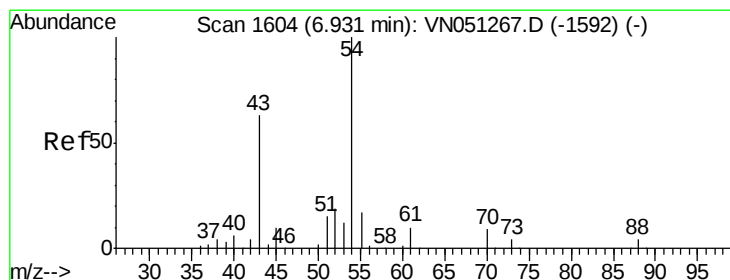
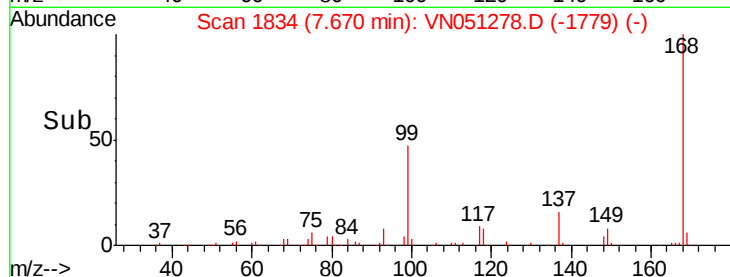
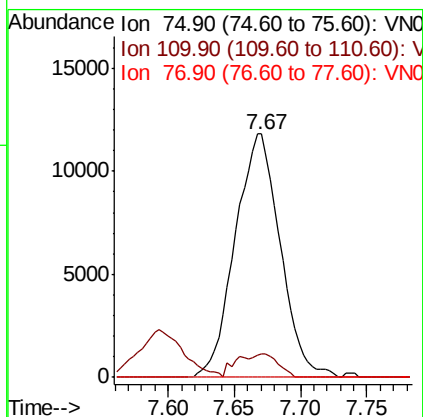
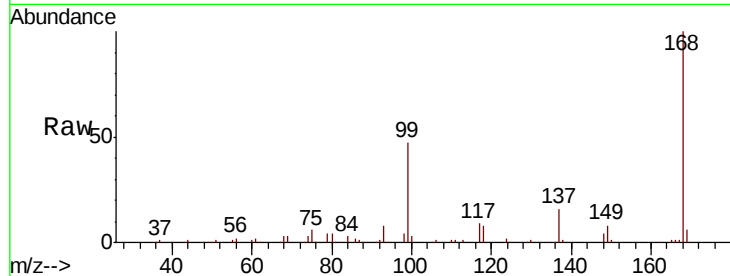




#36
 1,1-Dichloropropene
 Concen: 3.90 ug/l
 RT: 7.67 min Scan# 1834
 Delta R.T. -0.12 min
 Lab File: VN051278.D
 Acq: 17 Sep 2018 18:38

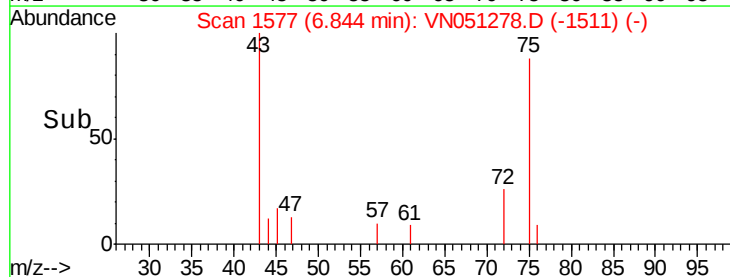
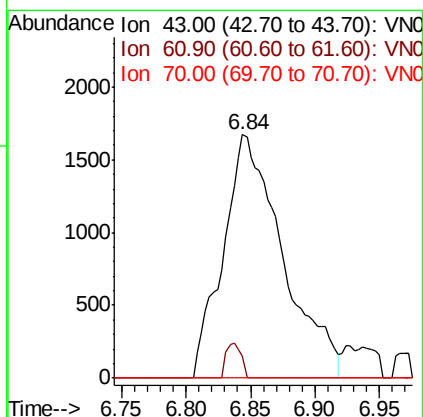
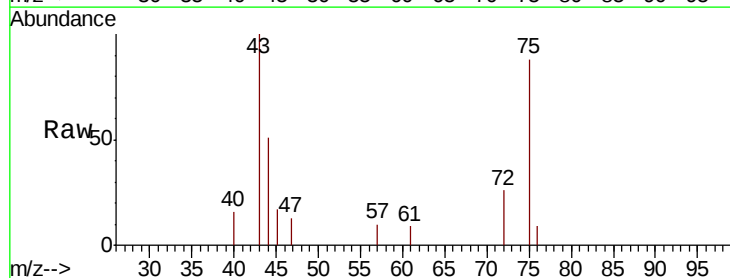
Instrument :
 MSVOA_N
 ClientSampleId :

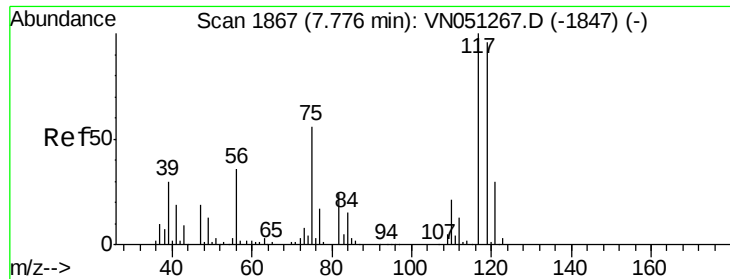
Tot Ion: 75 Resp: 27956
 Ion Ratio Lower Upper
 75 100
 110 4.8 18.6 56.0#
 77 0.0 24.7 37.1#



#37
 Ethyl Acetate
 Concen: 1.46 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. -0.09 min
 Lab File: VN051278.D
 Acq: 17 Sep 2018 18:38

Tgt Ion: 43 Resp: 5378
 Ion Ratio Lower Upper
 43 100
 61 3.6 12.3 18.5#
 70 0.0 9.4 14.0#

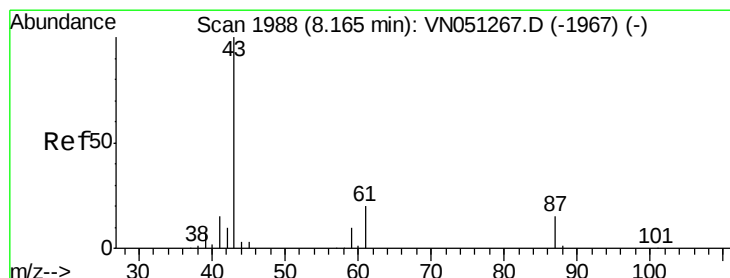
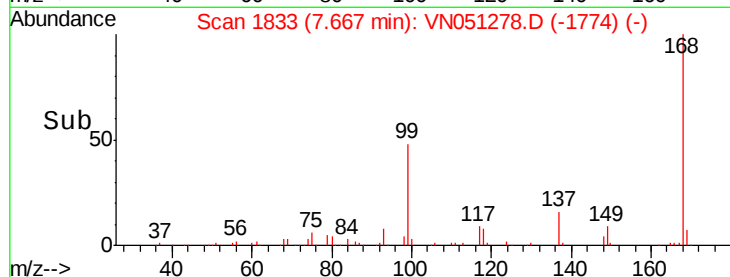
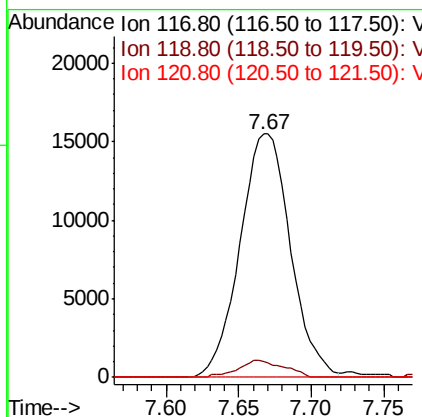
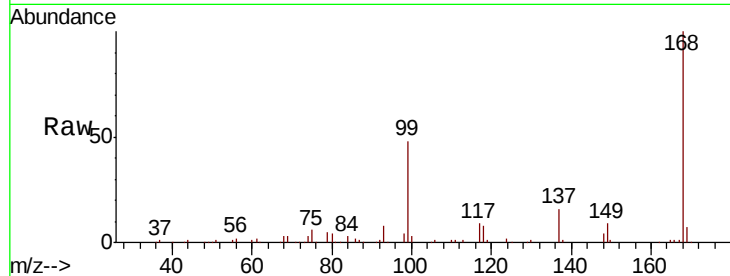




#38
Carbon Tetrachloride
Concen: 5.02 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN051278.D
Acq: 17 Sep 2018 18:38

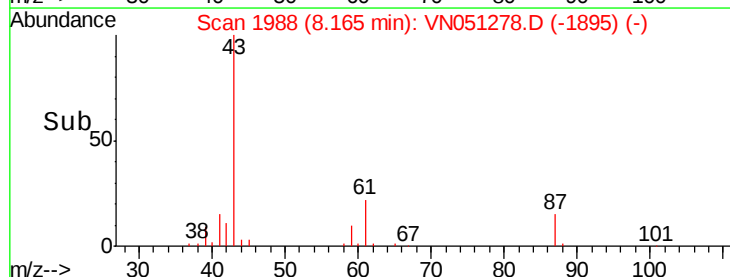
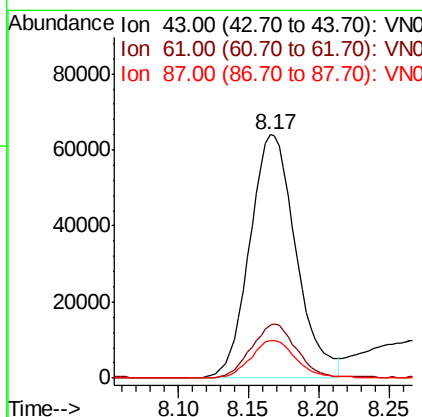
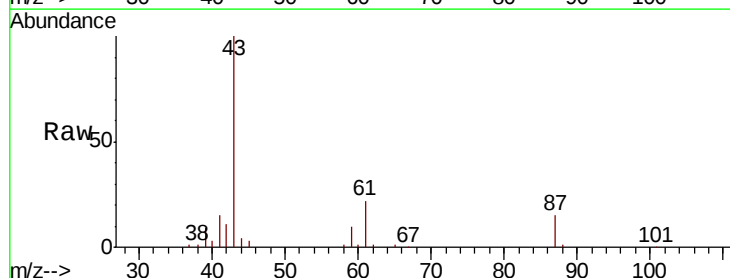
Instrument :
MSVOA_N
ClientSampled :

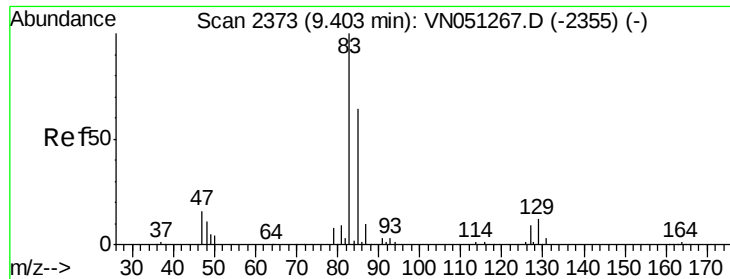
Tot Ion:117 Resp: 37477
Ion Ratio Lower Upper
117 100
119 6.6 76.8 115.2#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 23.05 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN051278.D
Acq: 17 Sep 2018 18:38

Tgt Ion: 43 Resp: 146850
Ion Ratio Lower Upper
43 100
61 21.4 17.4 26.2
87 15.1 12.2 18.4





#47

Bromodichloromethane

Concen: 0.66 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051278.D

Acq: 17 Sep 2018 18:38

Instrument :
MSVOA_N
ClientSampleId :

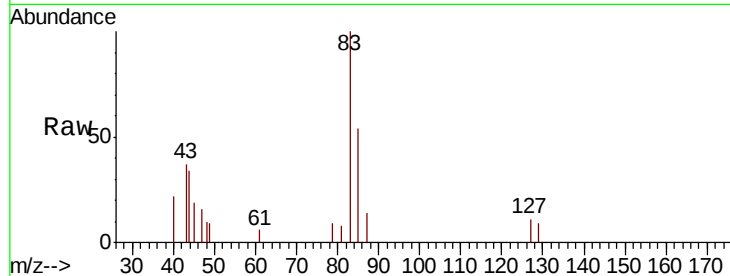
Tot Ion: 83 Resp: 4625

Ion Ratio Lower Upper

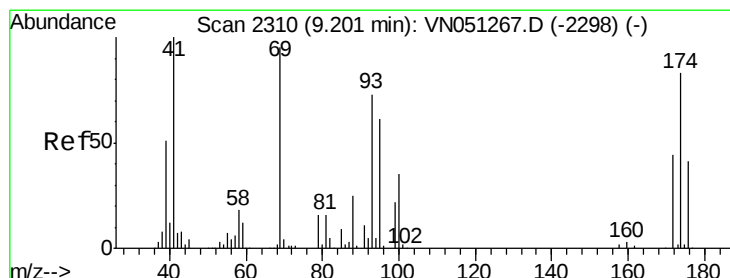
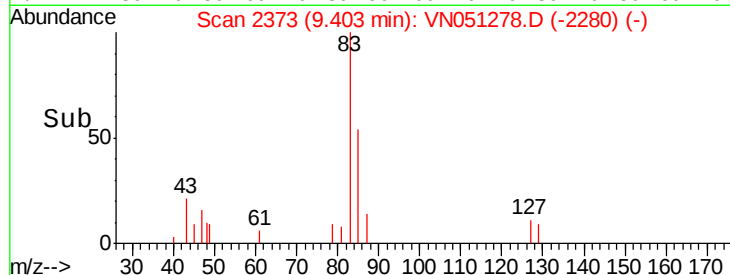
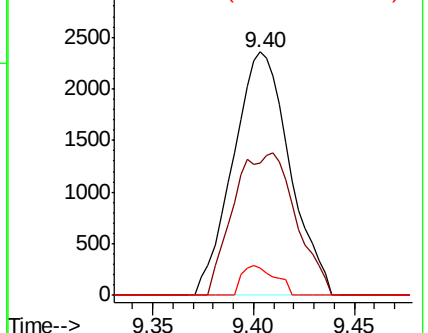
83 100

85 54.2 51.0 76.4

127 11.1 7.1 10.7#



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 1.54 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.02 min

Lab File: VN051278.D

Acq: 17 Sep 2018 18:38

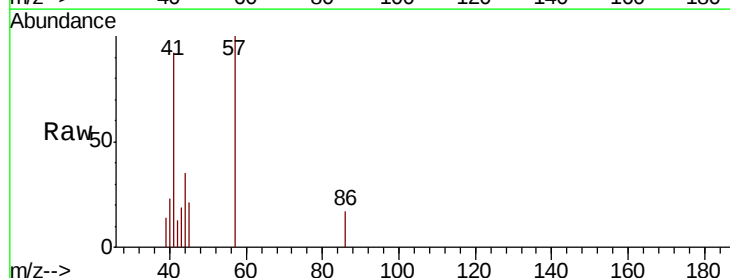
Tgt Ion: 41 Resp: 4726

Ion Ratio Lower Upper

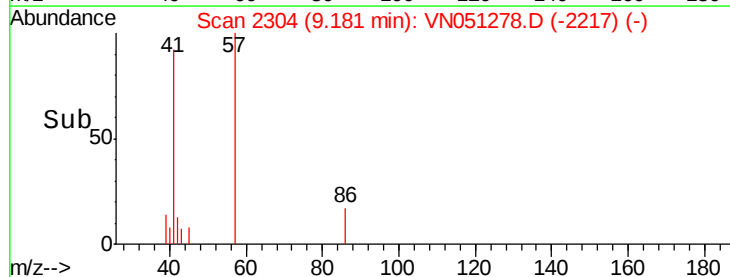
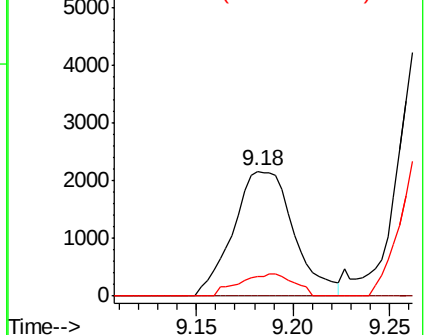
41 100

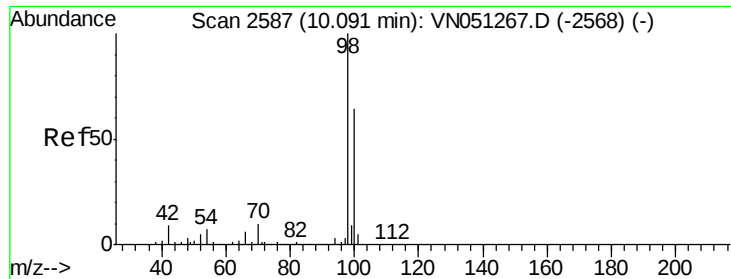
69 0.0 78.9 118.3#

39 16.2 42.2 63.2#



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





#50

Toluene-d8

Concen: 45.89 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051278.D

Acq: 17 Sep 2018 18:38

Instrument :

MSVOA_N

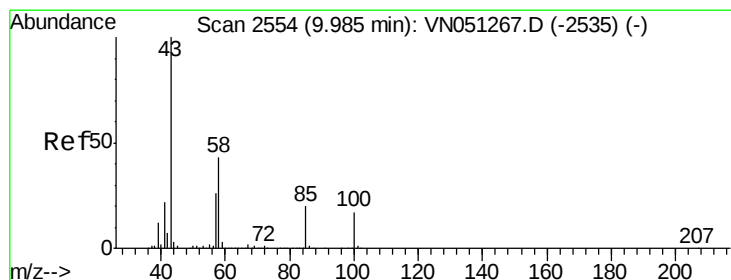
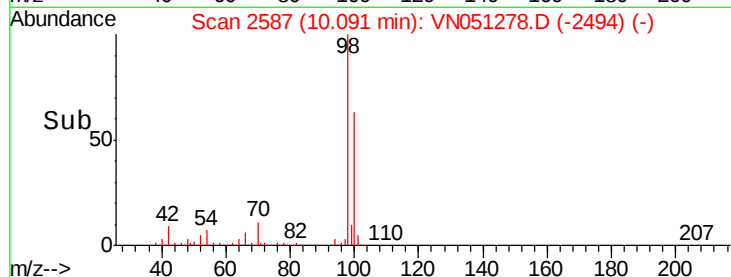
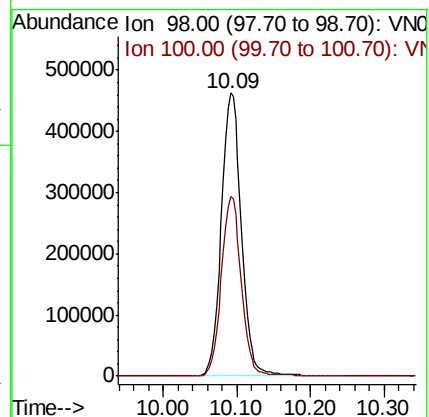
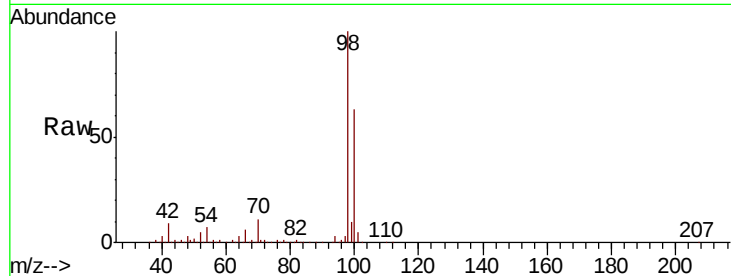
ClientSampled :

Tot Ion: 98 Resp: 872354

Ion Ratio Lower Upper

98 100

100 63.4 51.6 77.4



#51

4-Methyl-2-Pentanone

Concen: 0.41 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN051278.D

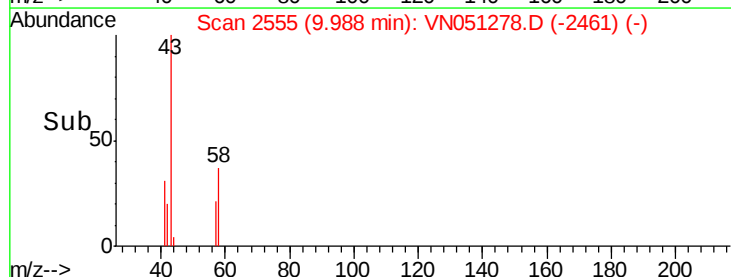
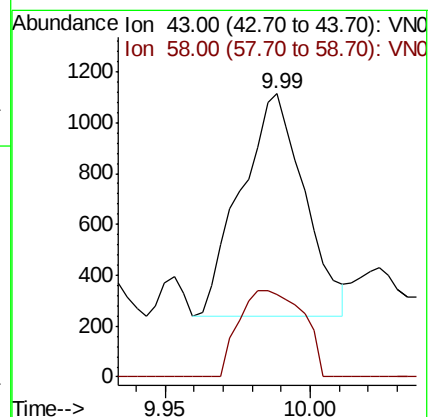
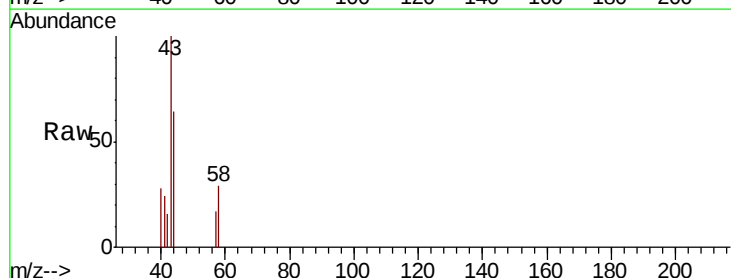
Acq: 17 Sep 2018 18:38

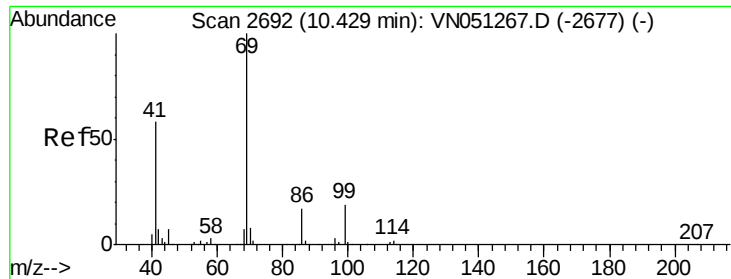
Tgt Ion: 43 Resp: 1332

Ion Ratio Lower Upper

43 100

58 39.0 33.8 50.6





#56

Ethyl methacrylate

Concen: 2.17 ug/l

RT: 10.24 min Scan# 2633

Delta R.T. -0.19 min

Lab File: VN051278.D

Acq: 17 Sep 2018 18:38

Instrument :

MSVOA_N

ClientSampleId :

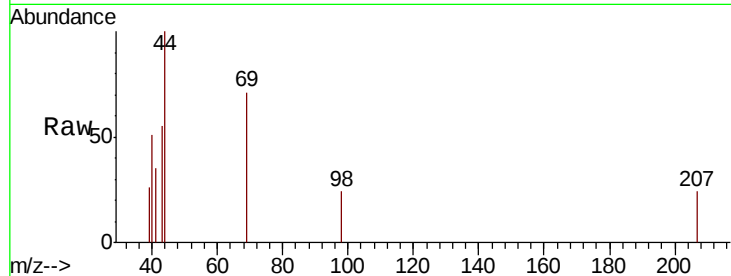
Tot Ion: 69 Resp: 602

Ion Ratio Lower Upper

69 100

41 0.0 47.4 71.0#

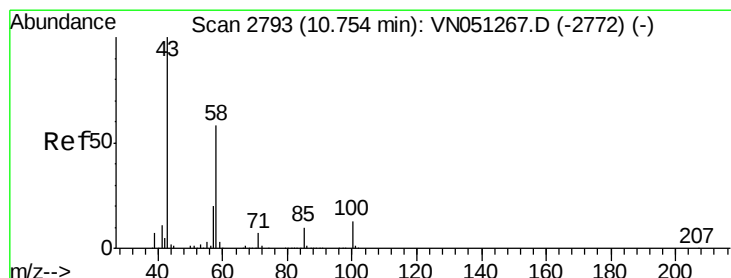
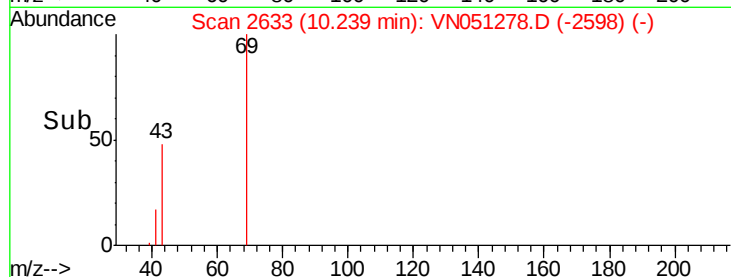
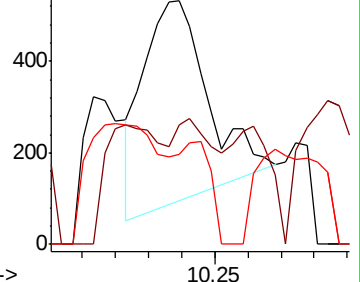
39 0.0 23.7 35.5#



Abundance Ion 69.00 (68.70 to 69.70): VN051267.D (-2677) (-)

Ion 41.00 (40.70 to 41.70): VN051267.D (-2677) (-)

Ion 39.00 (38.70 to 39.70): VN051267.D (-2677) (-)



#59

2-Hexanone

Concen: 4.84 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN051278.D

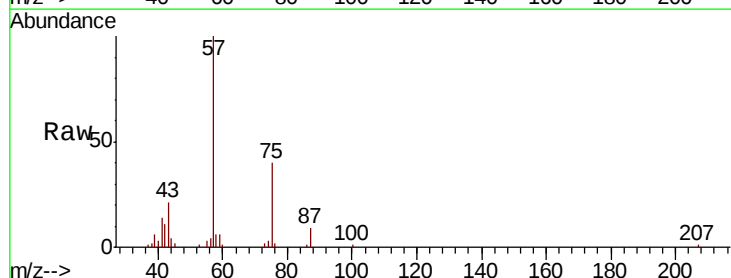
Acq: 17 Sep 2018 18:38

Tgt Ion: 43 Resp: 10470

Ion Ratio Lower Upper

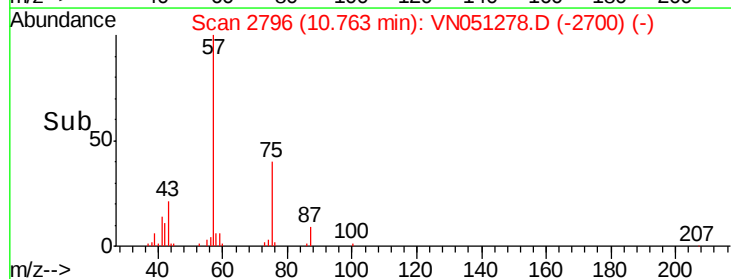
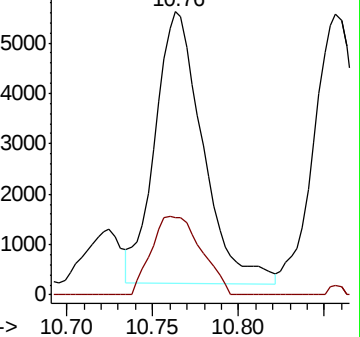
43 100

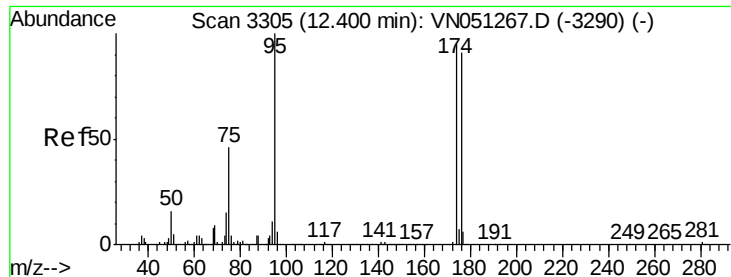
58 30.0 28.9 86.8



Abundance Ion 43.00 (42.70 to 43.70): VN051267.D (-2772) (-)

Ion 58.00 (57.70 to 58.70): VN051267.D (-2772) (-)





#62

4-Bromofluorobenzene

Concen: 36.60 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051278.D

Acq: 17 Sep 2018 18:38

Instrument :

MSVOA_N

ClientSampleId :

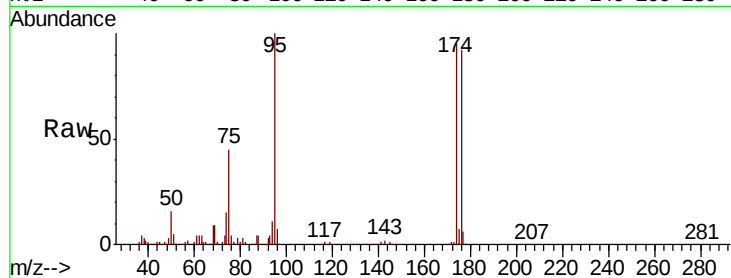
Tot Ion: 95 Resp: 221310

Ion Ratio Lower Upper

95 100

174 95.6 0.0 189.6

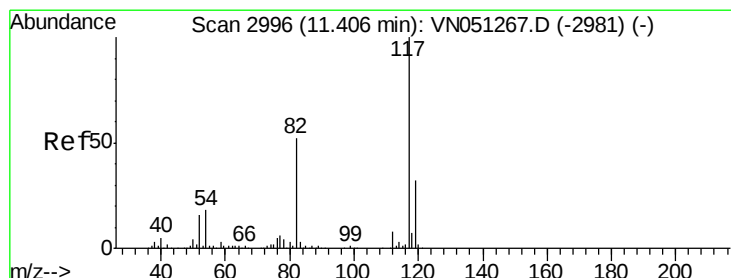
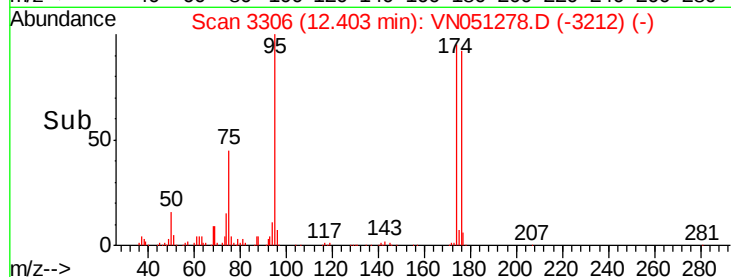
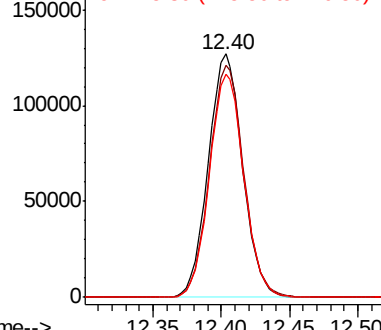
176 91.9 0.0 182.6



Abundance Ion 94.90 (94.60 to 95.60): VN051267.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN051267.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN051267.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN051278.D

Acq: 17 Sep 2018 18:38

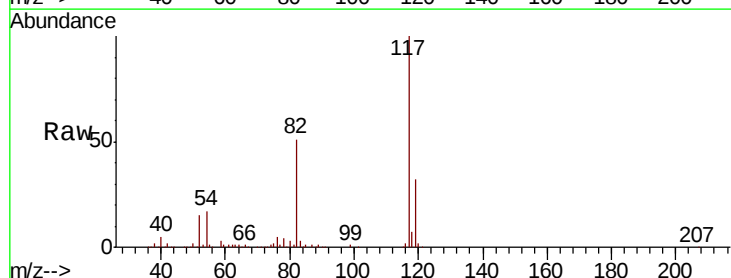
Tgt Ion: 117 Resp: 545663

Ion Ratio Lower Upper

117 100

82 51.3 41.8 62.8

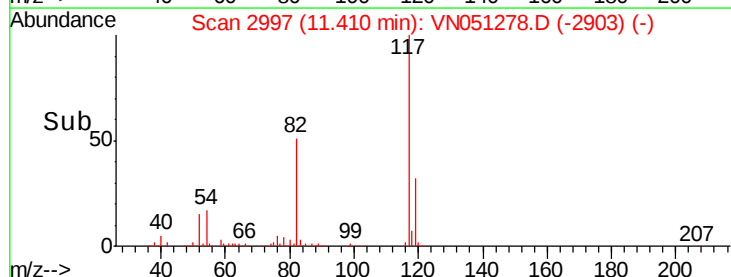
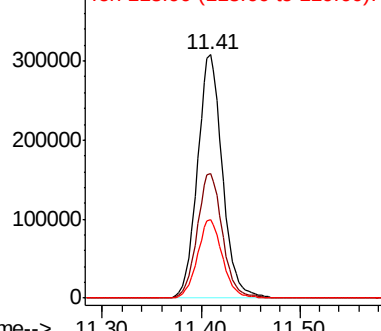
119 32.3 25.6 38.4

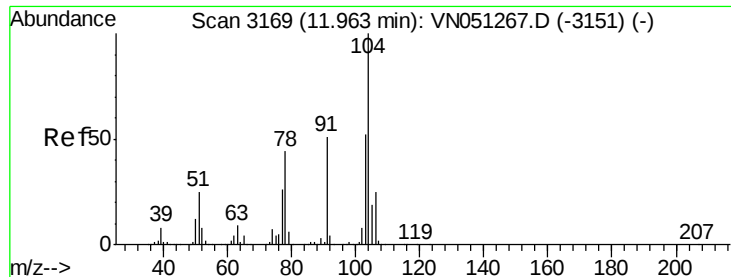


Abundance Ion 116.90 (116.60 to 117.60): VN051267.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN051267.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN051267.D (-2981) (-)

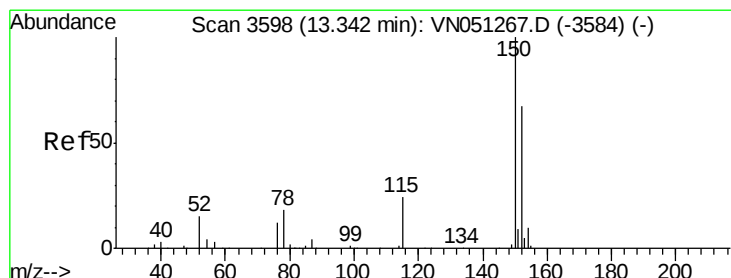
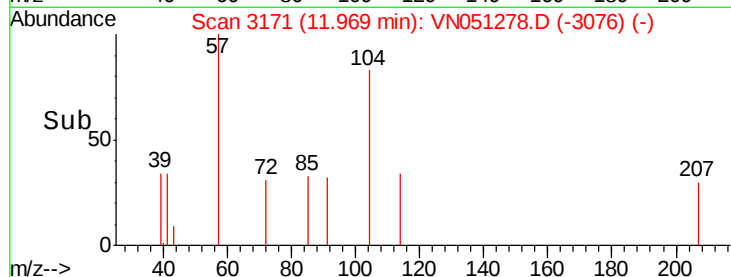
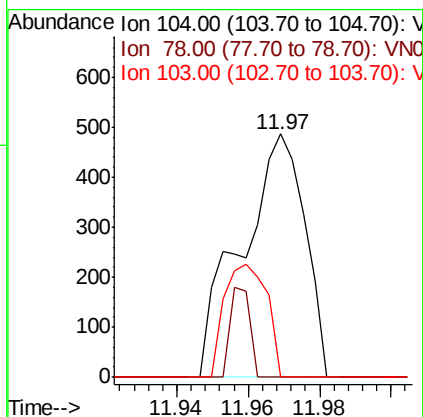
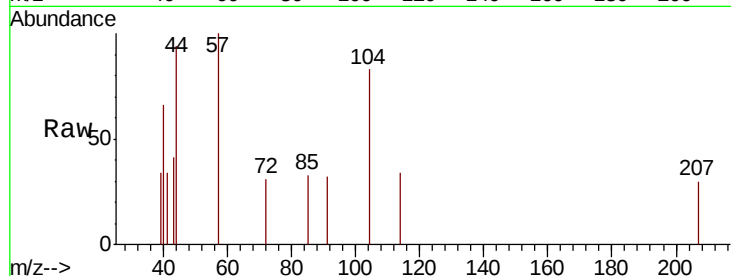




#70
Stvrene
Concen: 1.29 ug/l
RT: 11.97 min Scan# 3171
Delta R.T. 0.01 min
Lab File: VN051278.D
Acq: 17 Sep 2018 18:38

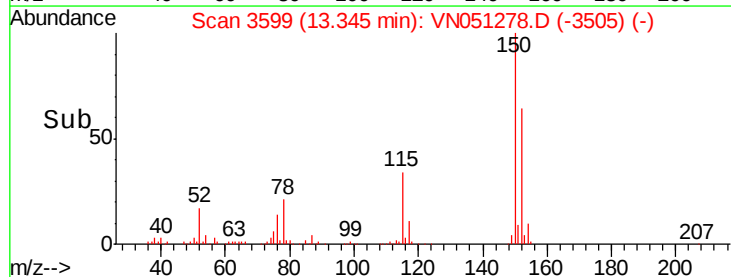
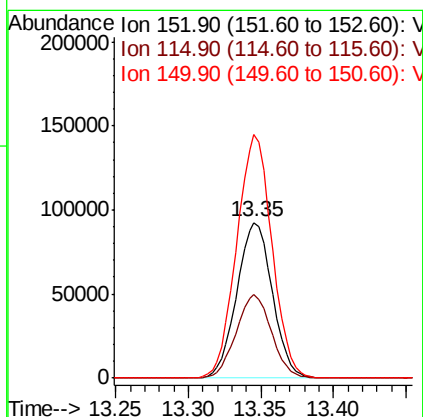
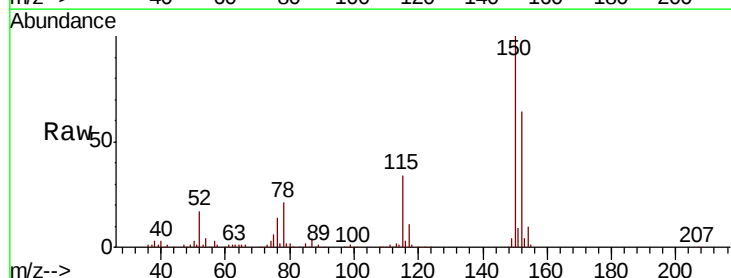
Instrument :
MSVOA_N
ClientSampleId :

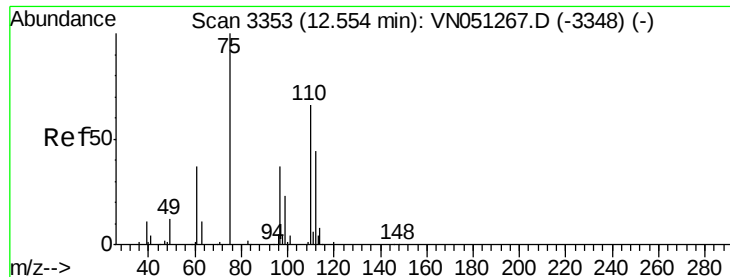
Tot Ion:104 Resp: 598
Ion Ratio Lower Upper
104 100
78 11.4 38.1 57.1#
103 31.1 44.8 67.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051278.D
Acq: 17 Sep 2018 18:38

Tgt Ion:152 Resp: 157396
Ion Ratio Lower Upper
152 100
115 53.3 27.1 81.2
150 155.6 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 46.74 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051278.D

Acq: 17 Sep 2018 18:38

Instrument :

MSVOA_N

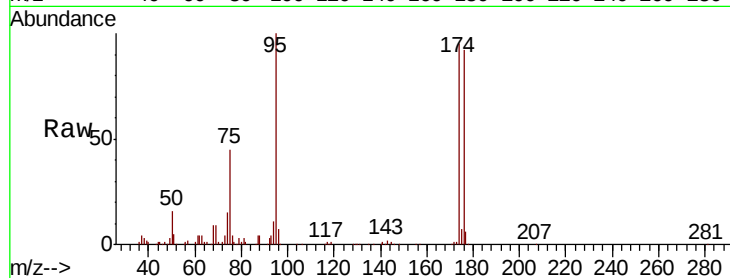
ClientSampleId :

Tot Ion: 75 Resp: 100955

Ion Ratio Lower Upper

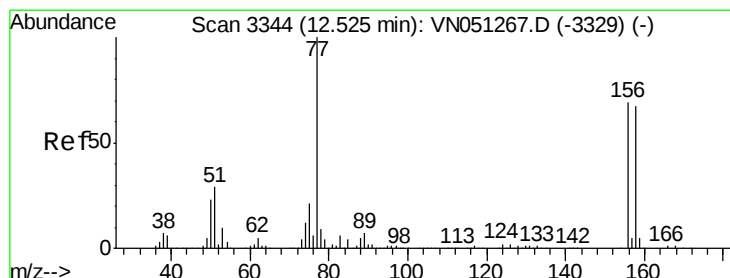
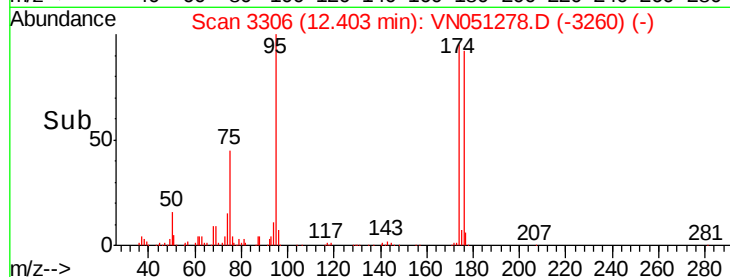
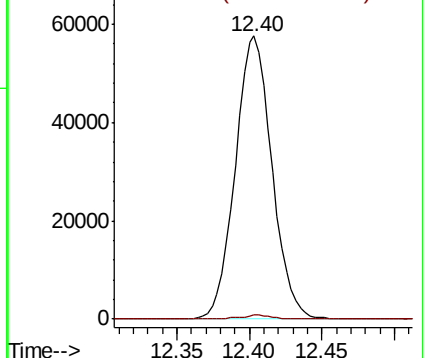
75 100

77 1.2 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: Below Cal

RT: 12.53 min Scan# 3346

Delta R.T. 0.01 min

Lab File: VN051278.D

Acq: 17 Sep 2018 18:38

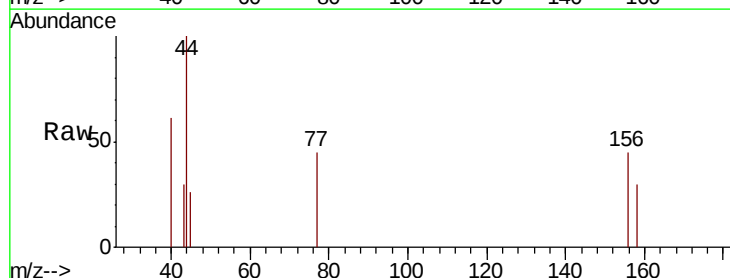
Tgt Ion: 156 Resp: 295

Ion Ratio Lower Upper

156 100

77 102.4 83.7 251.1

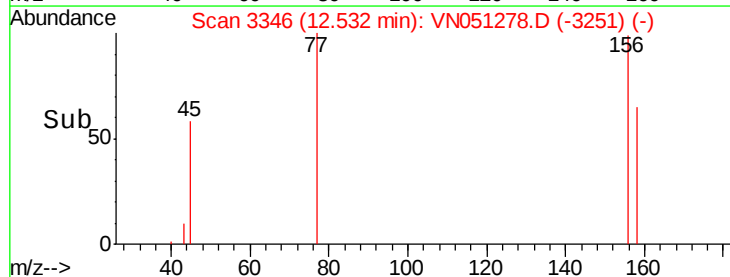
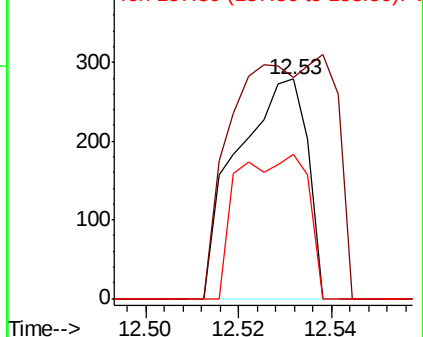
158 65.8 49.0 147.2

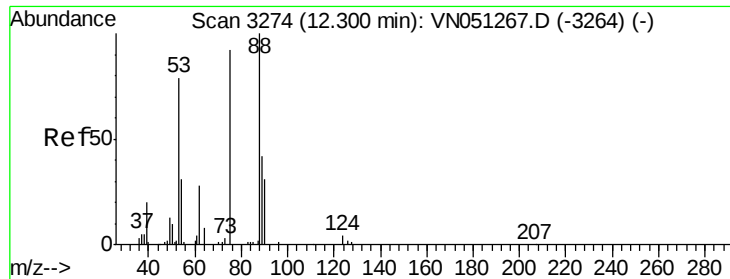


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V

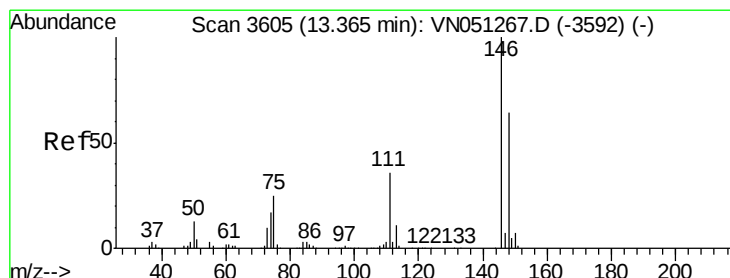
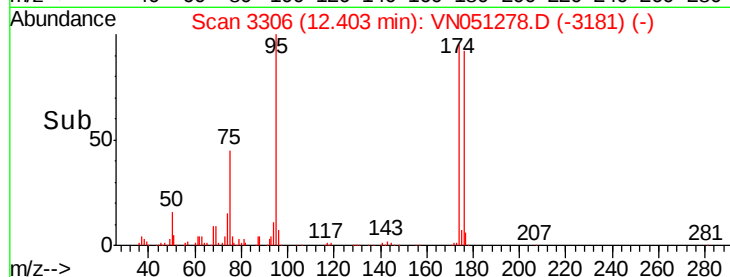
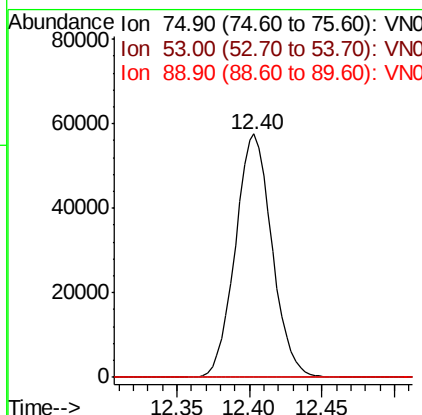
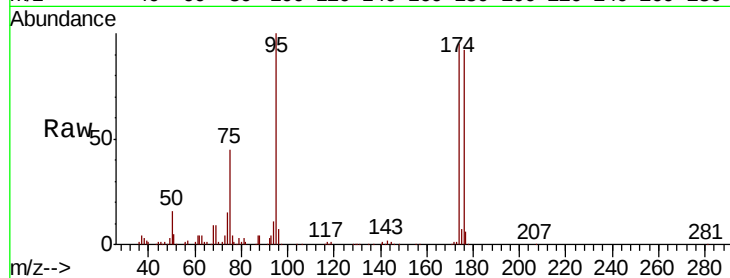




#81
trans-1,4-Dichloro-2-butene
Concen: 142.46 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN051278.D
Acq: 17 Sep 2018 18:38

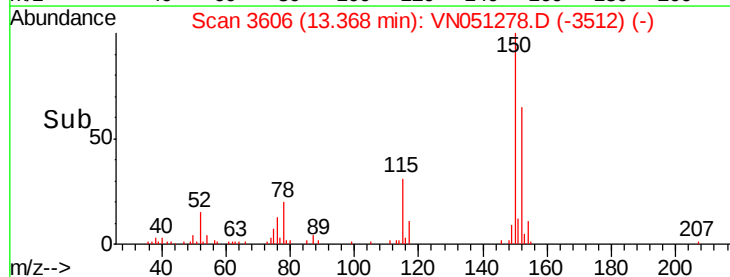
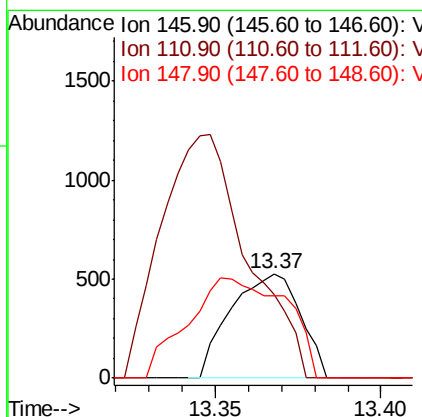
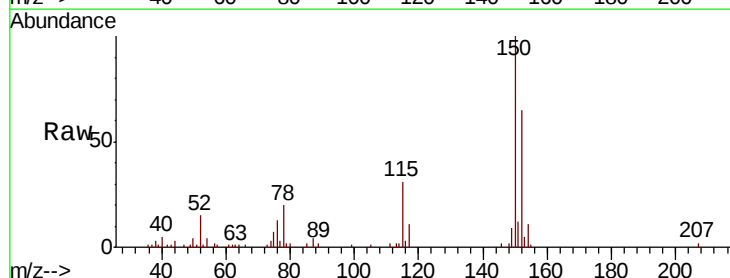
Instrument :
MSVOA_N
ClientSampleId :

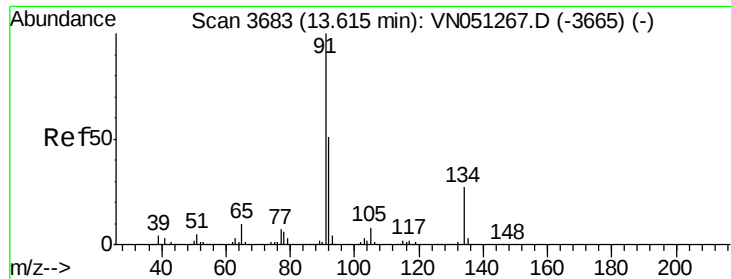
Tot Ion: 75 Resp: 100955
Ion Ratio Lower Upper
75 100
53 0.0 67.7 101.5#
89 0.0 36.9 55.3#



#88
1,4-Dichlorobenzene
Concen: 0.55 ug/l
RT: 13.37 min Scan# 3606
Delta R.T. 0.00 min
Lab File: VN051278.D
Acq: 17 Sep 2018 18:38

Tgt Ion: 146 Resp: 770
Ion Ratio Lower Upper
146 100
111 288.4 18.2 54.6#
148 135.1 31.9 95.7#





#89

n-Butylbenzene

Concen: 2.10 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN051278.D

Acq: 17 Sep 2018 18:38

Instrument :

MSVOA_N

ClientSampleId :

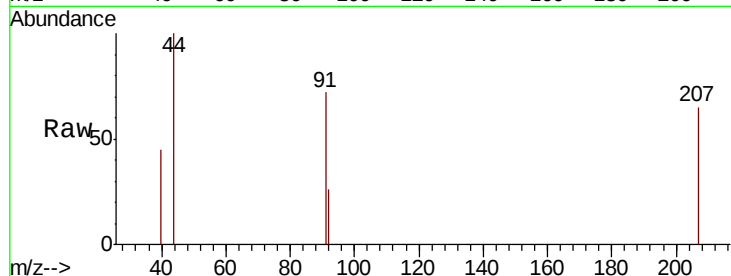
Tot Ion: 91 Resp: 740

Ion Ratio Lower Upper

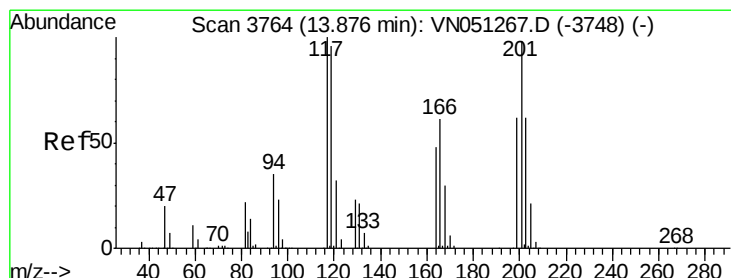
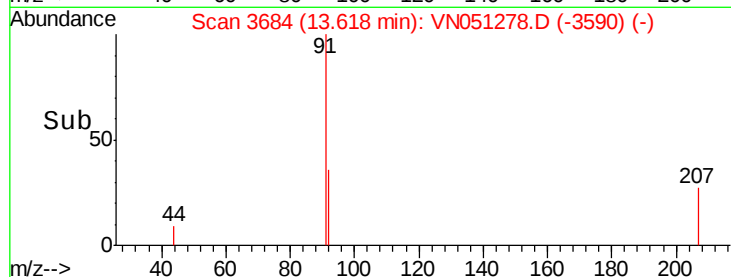
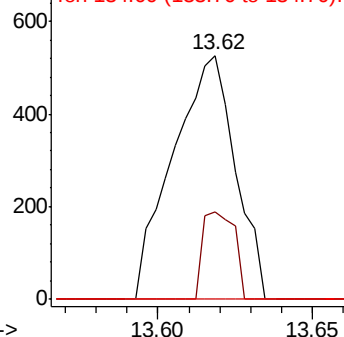
91 100

92 18.2 25.8 77.4#

134 0.0 13.7 41.0#



Abundance Ion 91.00 (90.70 to 91.70): VN051267.D (-3665) (-)



#90

Hexachloroethane

Concen: Below Cal

RT: 14.00 min Scan# 3803

Delta R.T. 0.13 min

Lab File: VN051278.D

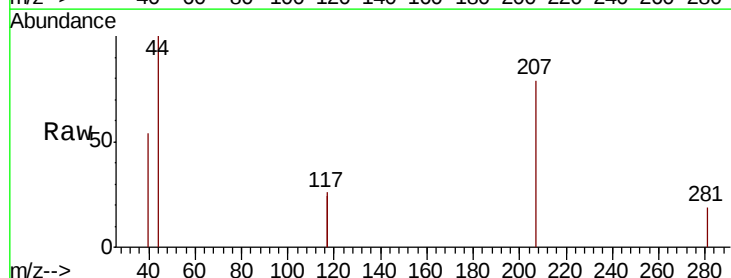
Acq: 17 Sep 2018 18:38

Tgt Ion: 117 Resp: 334

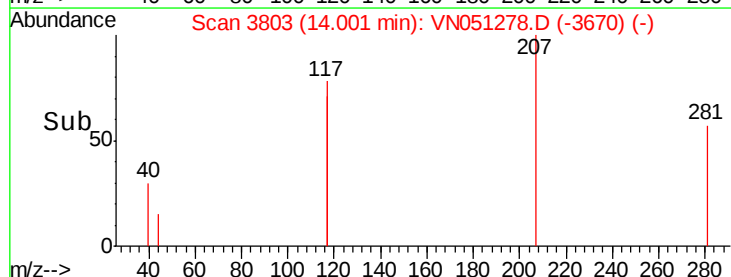
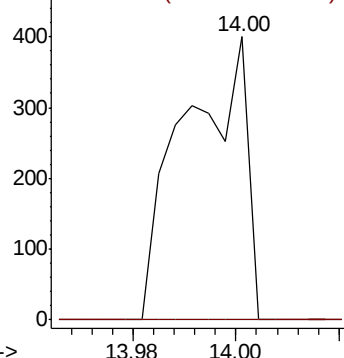
Ion Ratio Lower Upper

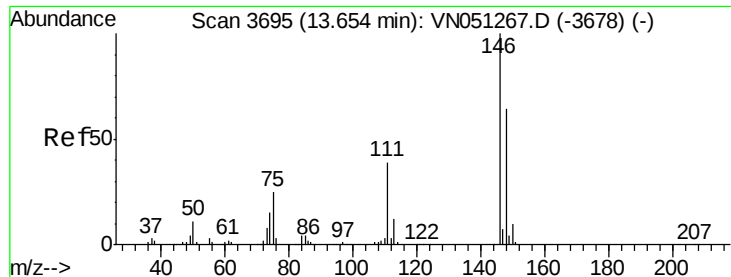
117 100

201 0.0 48.4 145.3#



Abundance Ion 116.80 (116.50 to 117.50): VN051267.D (-3748) (-)





#91

1,2-Dichlorobenzene

Concen: Below Cal

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN051278.D

Acq: 17 Sep 2018 18:38

Instrument :

MSVOA_N

ClientSampleId :

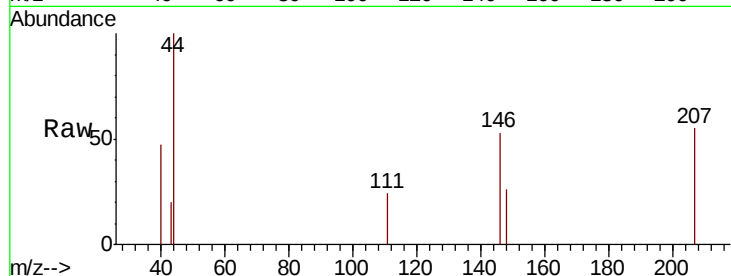
Tot Ion:146 Resp: 622

Ion Ratio Lower Upper

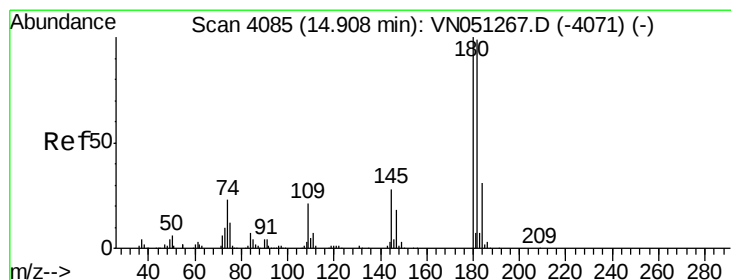
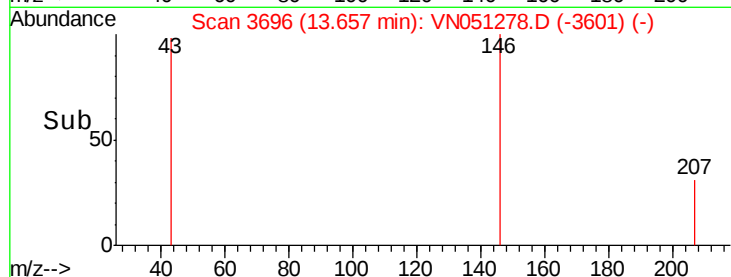
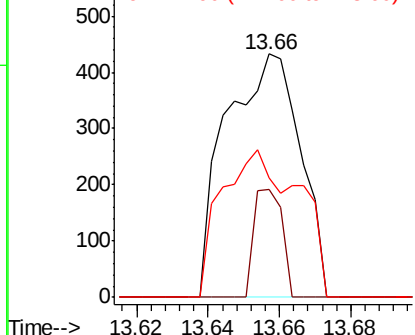
146 100

111 16.9 19.6 58.7#

148 63.0 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



#93

1,2,4-Trichlorobenzene

Concen: 5.27 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.01 min

Lab File: VN051278.D

Acq: 17 Sep 2018 18:38

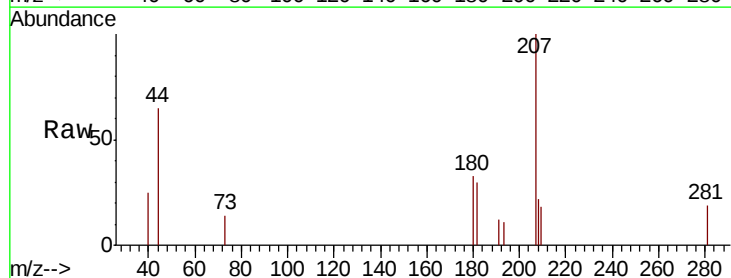
Tgt Ion:180 Resp: 712

Ion Ratio Lower Upper

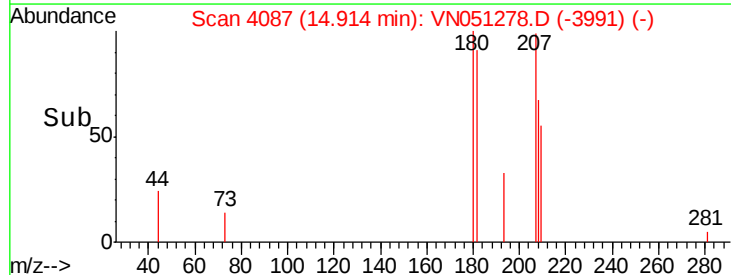
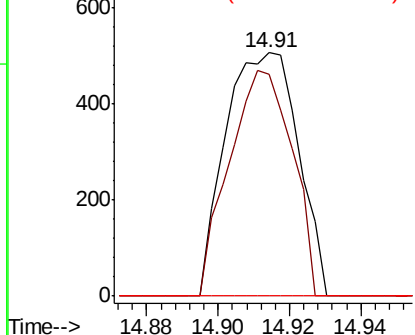
180 100

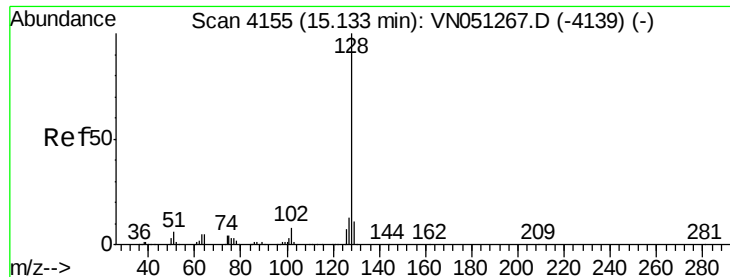
182 80.5 48.5 145.6

145 0.0 14.0 41.9#



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 8.29 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051278.D

Acq: 17 Sep 2018 18:38

Instrument :

MSVOA_N

ClientSampleId :

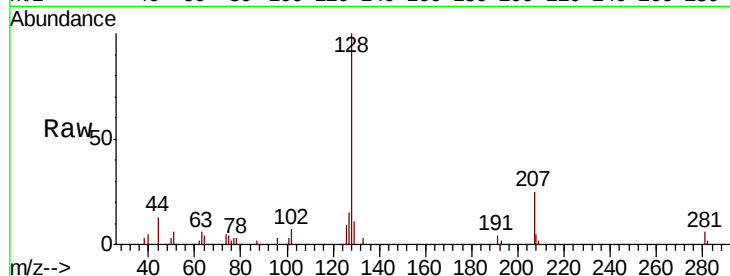
Tot Ion:128 Resp: 13202

Ion Ratio Lower Upper

128 100

127 13.0 10.7 16.1

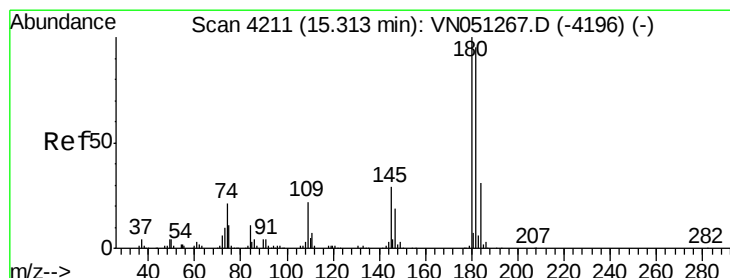
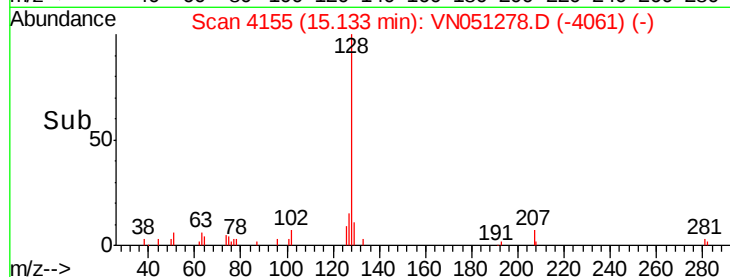
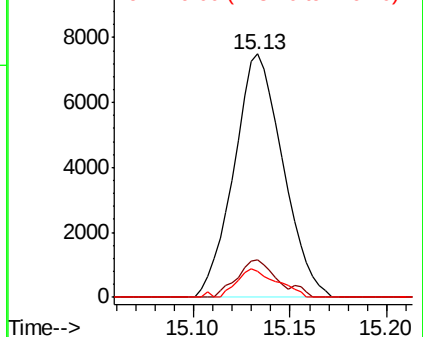
129 9.5 8.9 13.3



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: 4.21 ug/l

RT: 15.32 min Scan# 4213

Delta R.T. 0.01 min

Lab File: VN051278.D

Acq: 17 Sep 2018 18:38

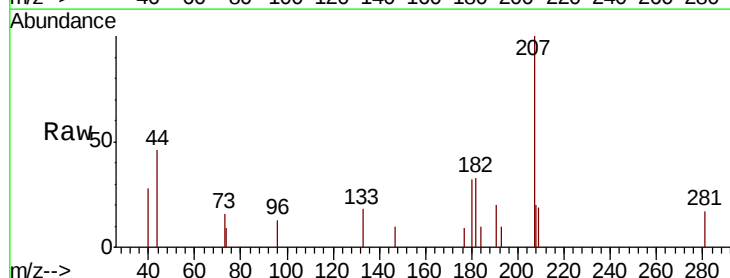
Tgt Ion:180 Resp: 939

Ion Ratio Lower Upper

180 100

182 91.7 47.5 142.6

145 0.0 14.8 44.4#



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

