

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012720\
 Data File : VN059877.D
 Acq On : 27 Jan 2020 17:02
 Operator : JC/MD
 Sample : L1269-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 27 23:11:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	233242	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	351691	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	314916	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	131741	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	121904	47.06	ug/l	0.00
Spiked Amount			Recovery	=	94.12%	
35) Dibromofluoromethane	7.57	113	105038	50.08	ug/l	0.00
Spiked Amount			Recovery	=	100.16%	
50) Toluene-d8	10.08	98	413002	50.83	ug/l	0.00
Spiked Amount			Recovery	=	101.66%	
62) 4-Bromofluorobenzene	12.40	95	140743	48.05	ug/l	0.00
Spiked Amount			Recovery	=	96.10%	

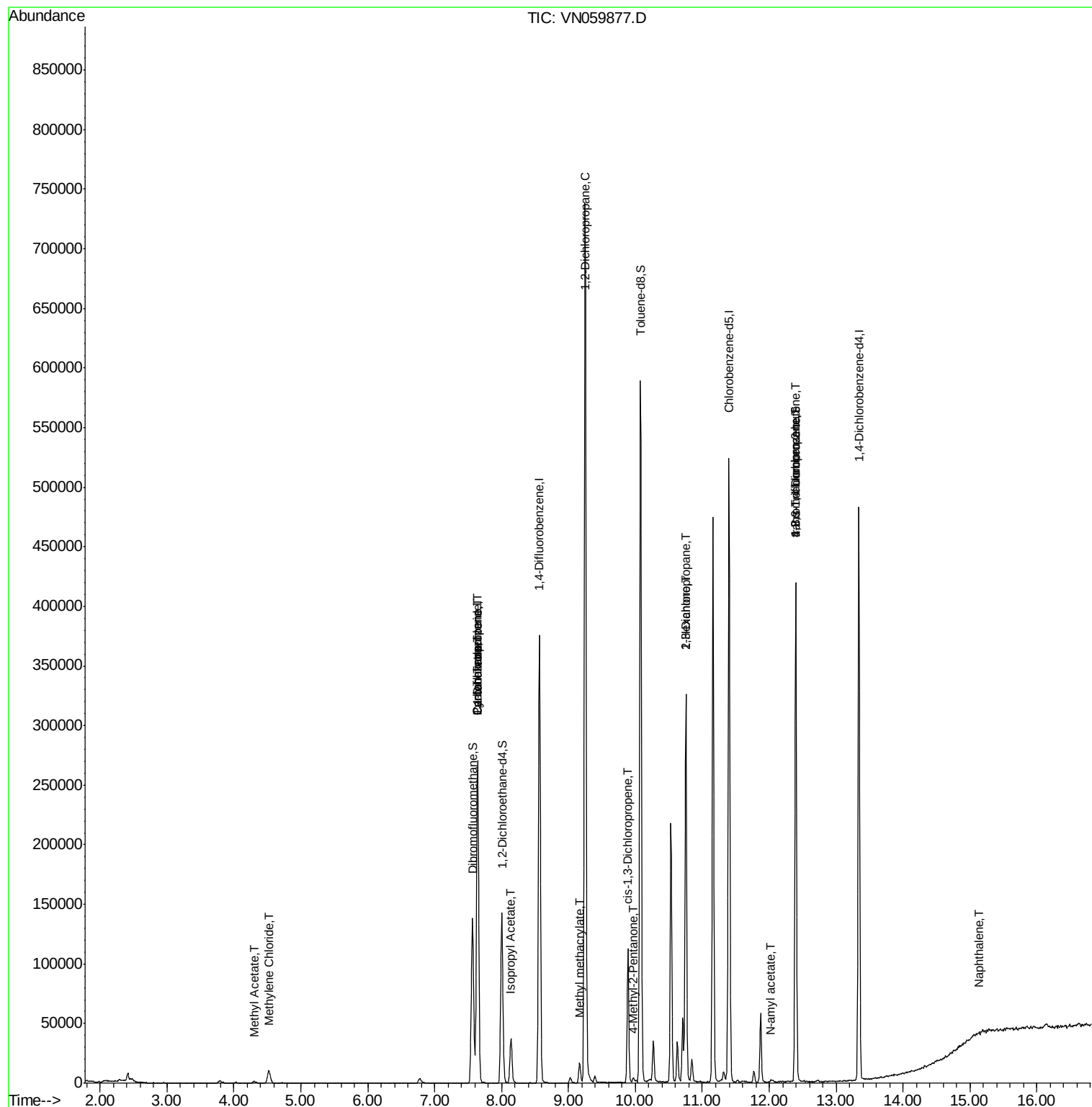
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	3901	Below Cal		96
18) Methyl Acetate	4.31	43	2944	0.973	ug/l #	81
20) Methylene Chloride	4.52	84	4125	0.479	ug/l	89
31) Cyclohexane	7.64	56	4111	1.073	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15860	5.179	ug/l #	51
38) Carbon Tetrachloride	7.64	117	20872	6.265	ug/l #	17
43) Isopropyl Acetate	8.14	43	44625	9.032	ug/l #	92
45) 1,2-Dichloropropane	9.25	63	936	0.414	ug/l #	44
48) Methyl methacrylate	9.16	41	2502	1.132	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	3439	1.204	ug/l #	87
54) cis-1,3-Dichloropropene	9.89	75	21423	5.675	ug/l #	57
57) 1,3-Dichloropropane	10.75	76	3388	0.934	ug/l #	42
59) 2-Hexanone	10.75	43	44480	21.139	ug/l #	55
74) N-amyl acetate	12.03	43	1423	0.380	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	70711	31.894	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	70711	68.492	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.30	75	59	Below Cal	#	6
95) Naphthalene	15.14	128	2035	0.283	ug/l #	86

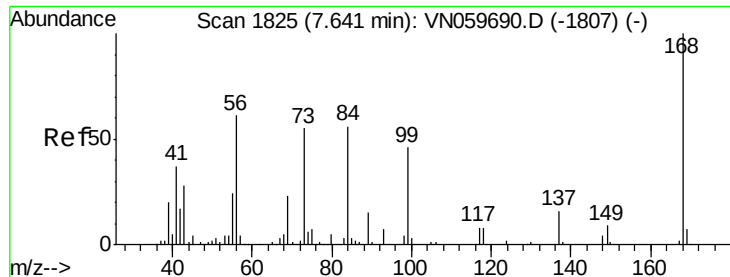
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jan 18 03:09:32 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059877.D

Acq: 27 Jan 2020 17:02

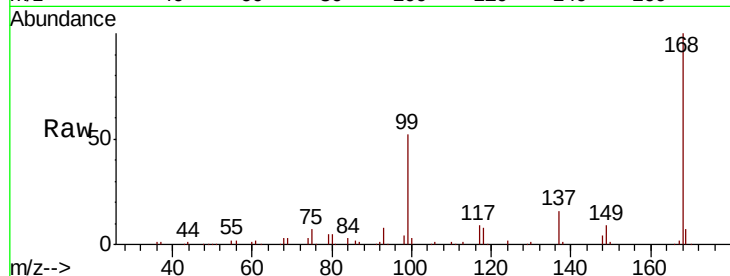
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 233242

Ion Ratio Lower Upper

168 100

99 51.8 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VN059877.D (-1732) (-)

Ion 98.90 (98.60 to 99.60): VN059877.D (-1732) (-)

7.64

100000

80000

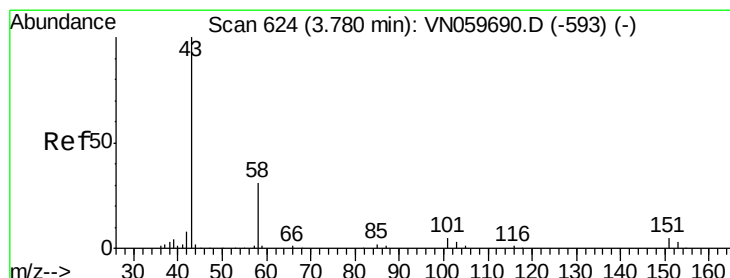
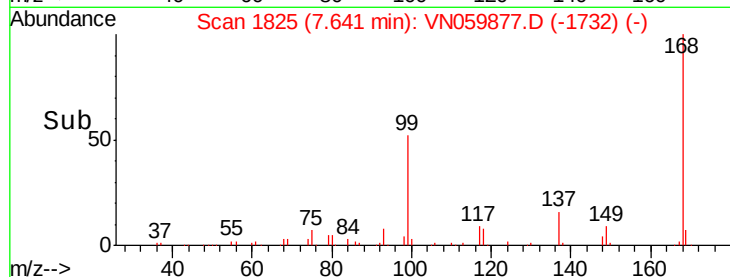
60000

40000

20000

0

Time--> 7.50 7.60 7.70 7.80



#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN059877.D

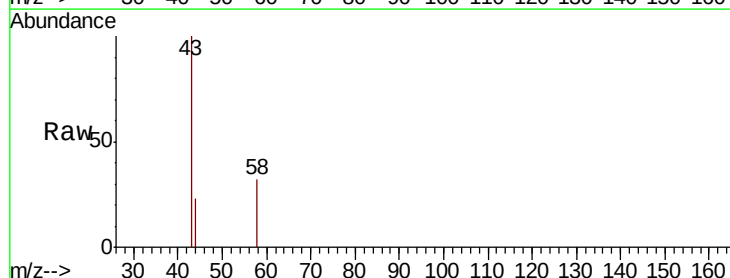
Acq: 27 Jan 2020 17:02

Tgt Ion: 43 Resp: 3901

Ion Ratio Lower Upper

43 100

58 31.6 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN059877.D (-530) (-)

Ion 58.00 (57.70 to 58.70): VN059877.D (-530) (-)

3.79

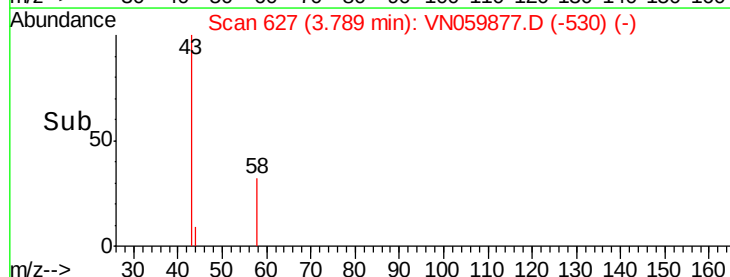
1500

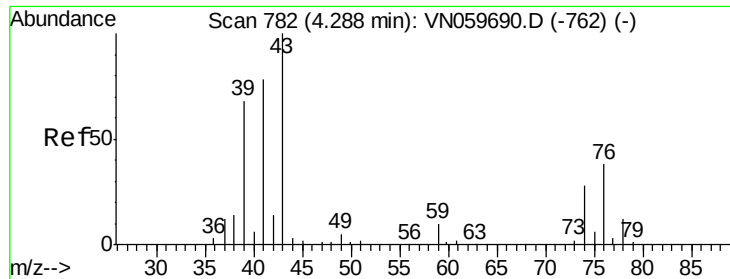
1000

500

0

Time--> 3.70 3.75 3.80 3.85 3.90

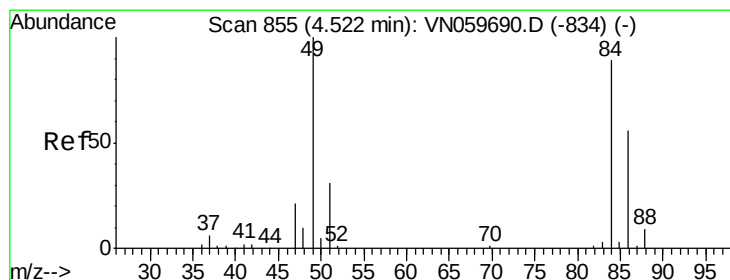
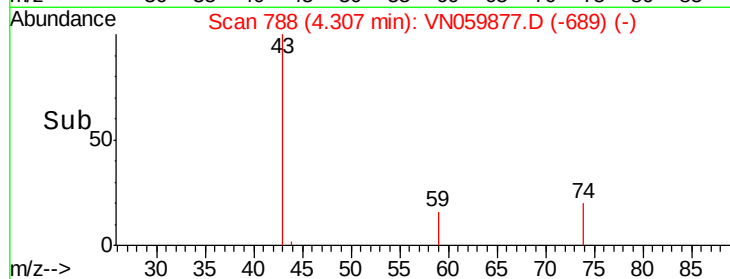
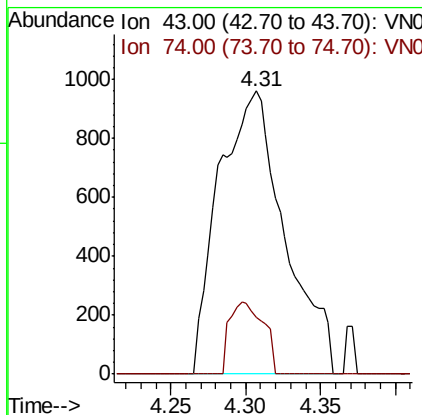
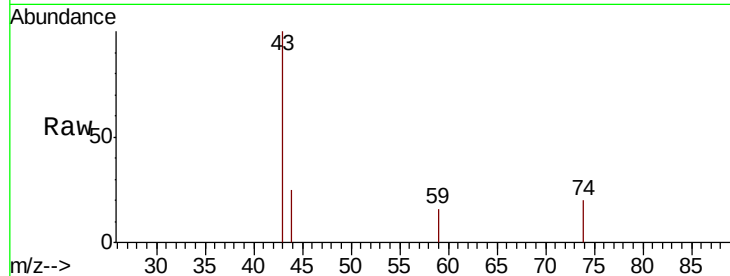




#18
Methvl Acetate
Concen: 0.973 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.02 min
Lab File: VN059877.D
Acq: 27 Jan 2020 17:02

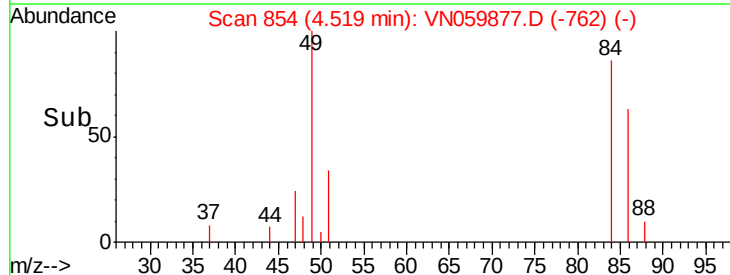
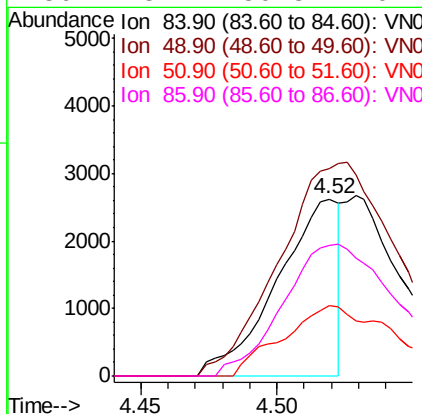
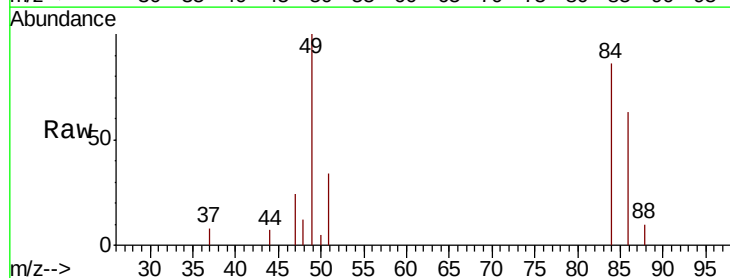
Instrument :
MSVOA_N
ClientSampled :

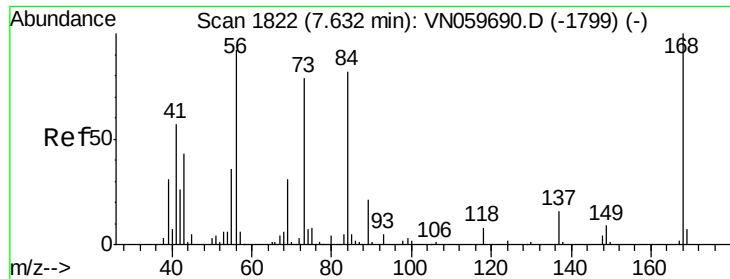
Tot Ion: 43 Resp: 2944
Ion Ratio Lower Upper
43 100
74 13.1 17.5 26.3#



#20
Methylene Chloride
Concen: 0.479 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059877.D
Acq: 27 Jan 2020 17:02

Tgt Ion: 84 Resp: 4125
Ion Ratio Lower Upper
84 100
49 117.0 106.6 160.0
51 39.7 31.9 47.9
86 73.7 50.8 76.2

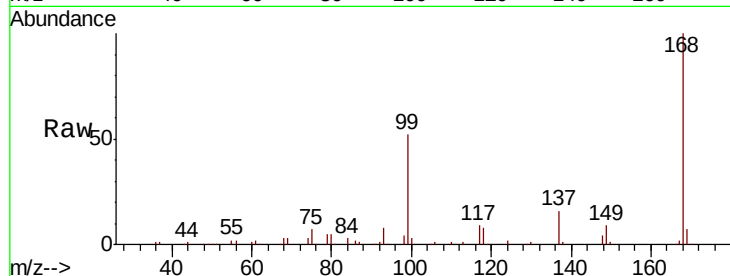




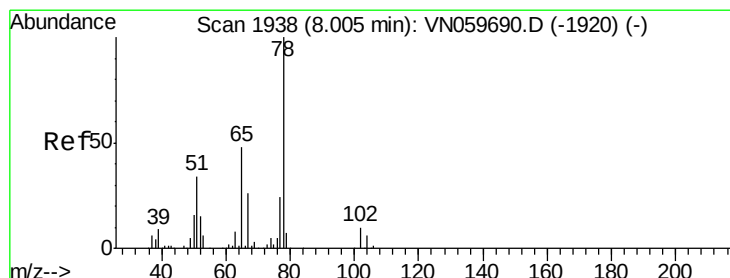
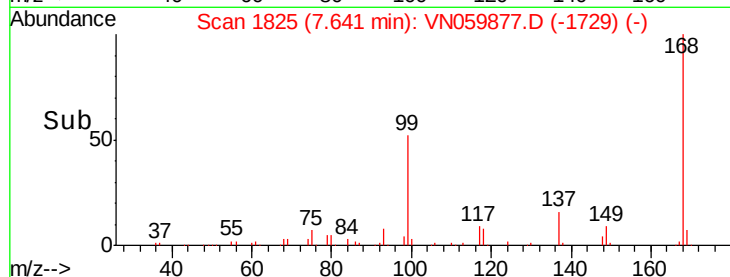
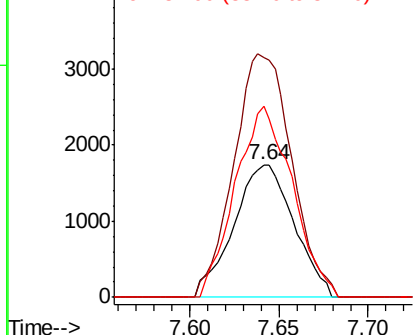
#31
Cyclohexane
Concen: 1.073 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN059877.D
Acq: 27 Jan 2020 17:02

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 4111
Ion Ratio Lower Upper
56 100
69 180.5 26.5 39.7#
84 143.8 65.3 97.9#

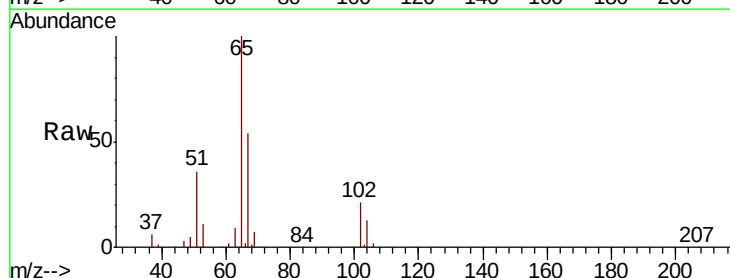


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

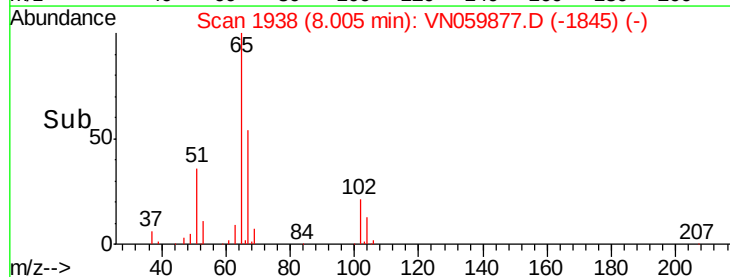
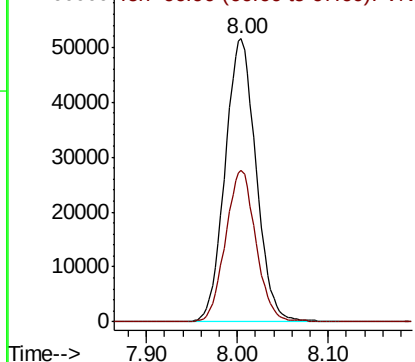


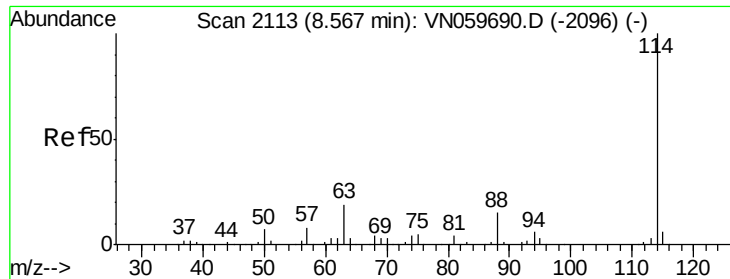
#33
1,2-Dichloroethane-d4
Concen: 47.063 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN059877.D
Acq: 27 Jan 2020 17:02

Tgt Ion: 65 Resp: 121904
Ion Ratio Lower Upper
65 100
67 52.3 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

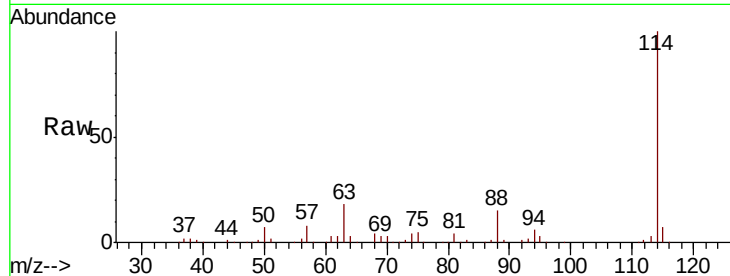




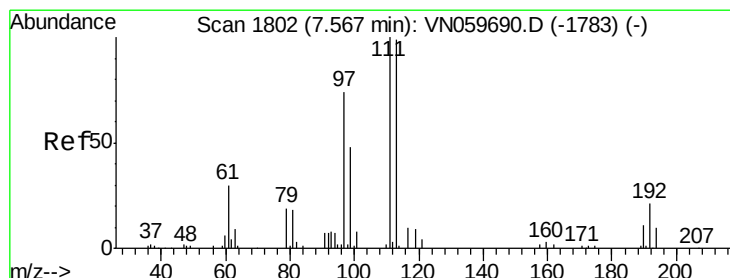
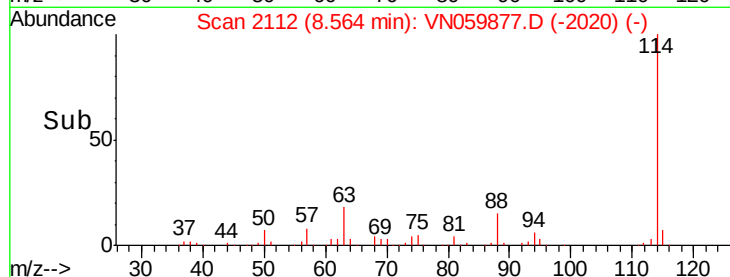
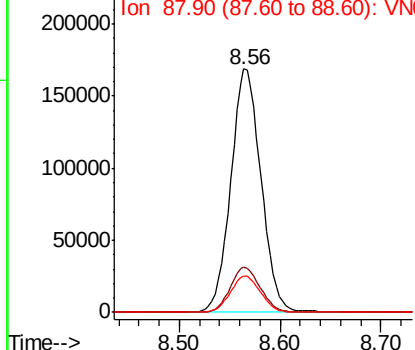
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN059877.D
 Acq: 27 Jan 2020 17:02

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 351691
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 43.6
 88 15.1 0.0 31.4

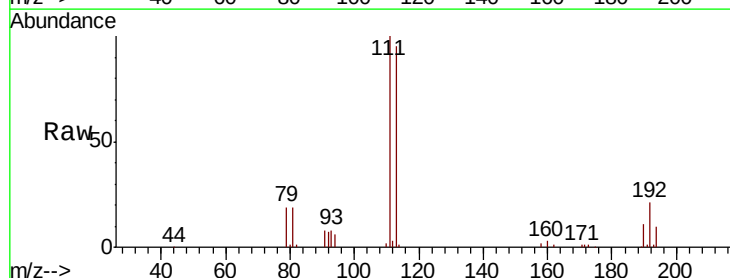


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

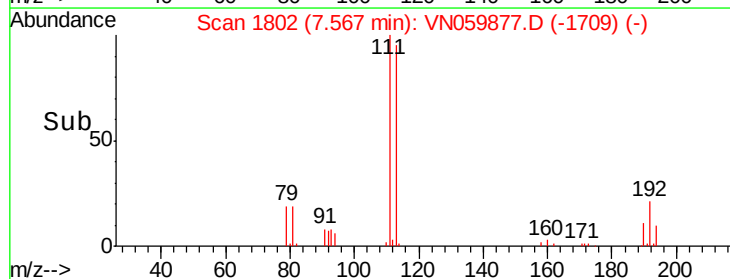
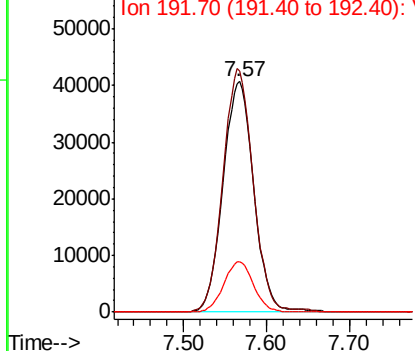


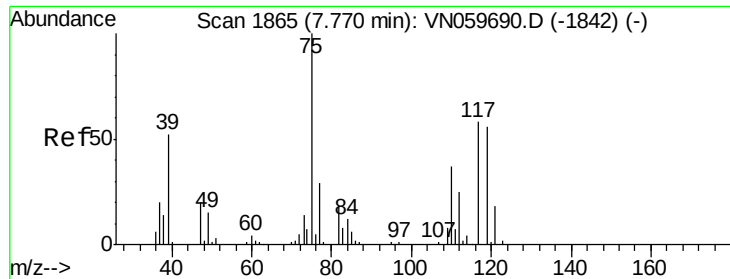
#35
 Dibromofluoromethane
 Concen: 50.083 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059877.D
 Acq: 27 Jan 2020 17:02

Tgt Ion:113 Resp: 105038
 Ion Ratio Lower Upper
 113 100
 111 103.3 83.5 125.3
 192 21.0 15.4 23.2



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

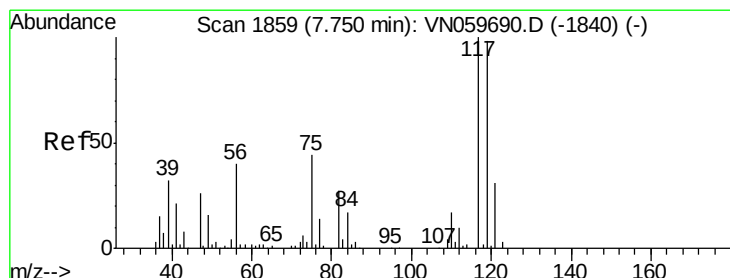
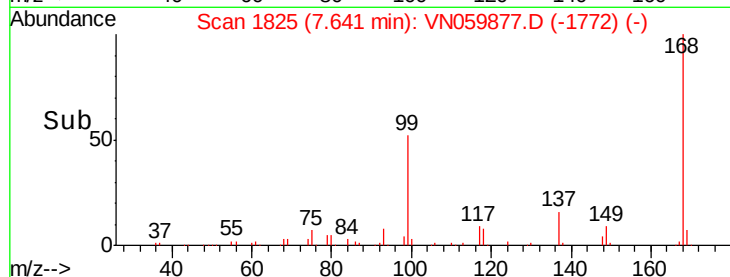
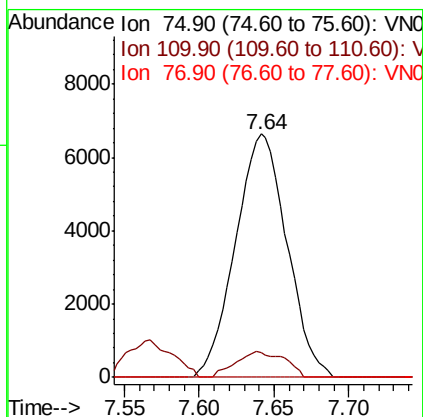
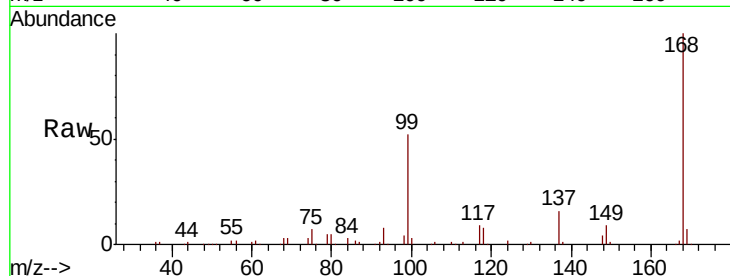




#36
 1,1-Dichloropropene
 Concen: 5.179 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059877.D
 Acq: 27 Jan 2020 17:02

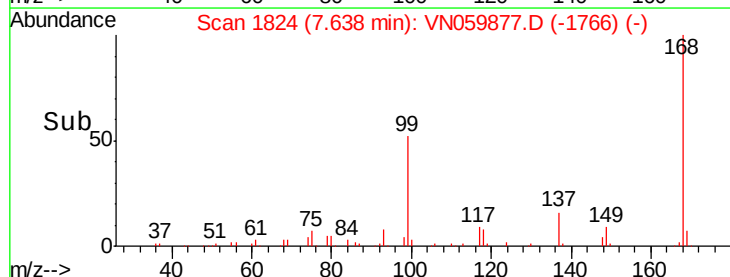
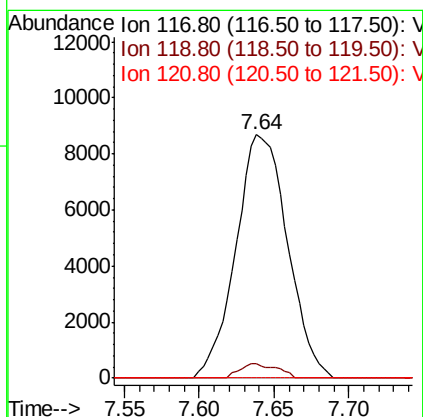
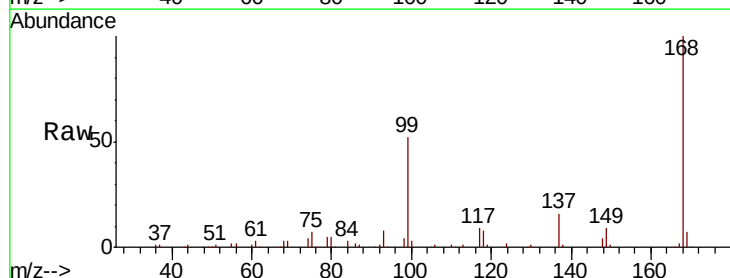
Instrument :
 MSVOA_N
 ClientSampled :

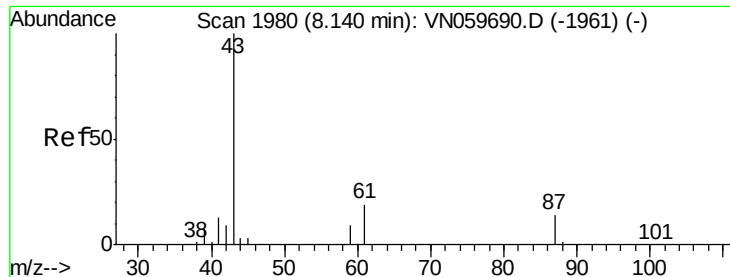
Tot Ion	75	Resp	15860
Ion Ratio	100	Lower	Upper
75	100		
110	10.0	16.6	49.7#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 6.265 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.11 min
 Lab File: VN059877.D
 Acq: 27 Jan 2020 17:02

Tgt Ion	117	Resp	20872
Ion Ratio	100	Lower	Upper
117	100		
119	5.8	76.5	114.7#
121	0.0	25.1	37.7#





#43

Isopropyl Acetate

Concen: 9.032 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN059877.D

Acq: 27 Jan 2020 17:02

Instrument :

MSVOA_N

ClientSampleId :

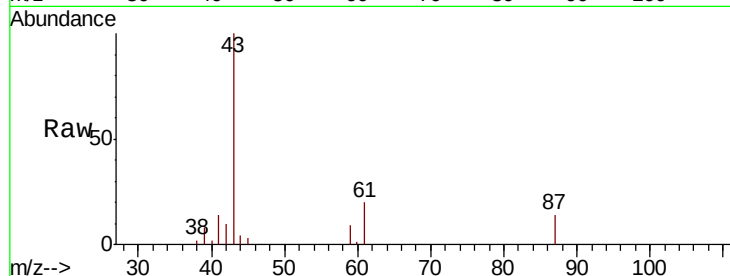
Tot Ion: 43 Resp: 44625

Ion Ratio Lower Upper

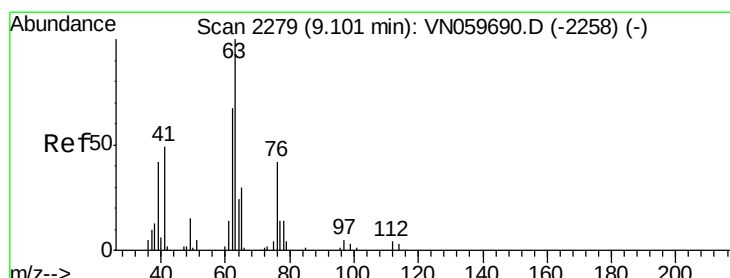
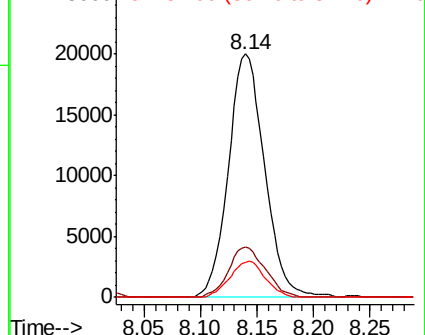
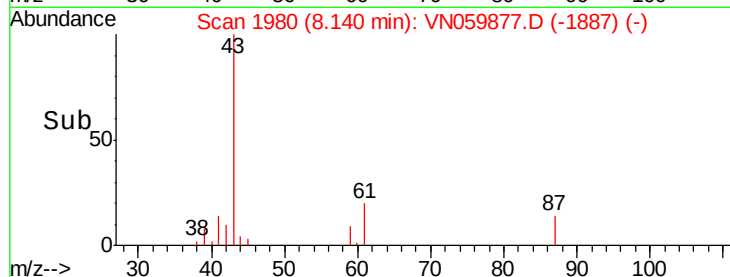
43 100

61 20.9 20.2 30.2

87 14.5 9.5 14.3#



Abundance Ion 43.00 (42.70 to 43.70): VN059877.D (-1887) (-)



#45

1,2-Dichloropropane

Concen: 0.414 ug/l

RT: 9.25 min Scan# 2325

Delta R.T. 0.15 min

Lab File: VN059877.D

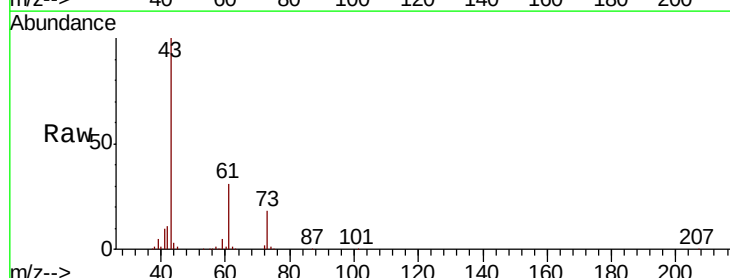
Acq: 27 Jan 2020 17:02

Tgt Ion: 63 Resp: 936

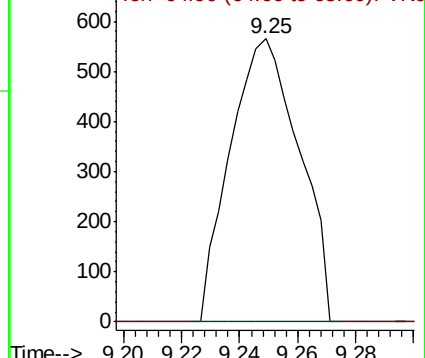
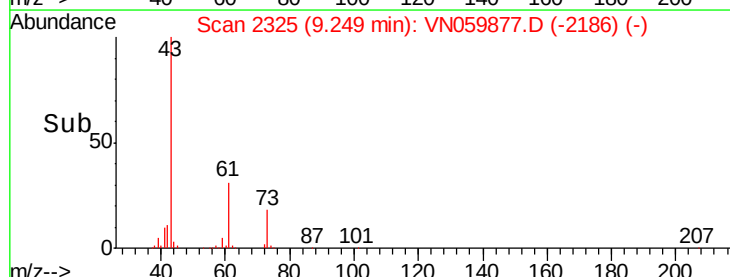
Ion Ratio Lower Upper

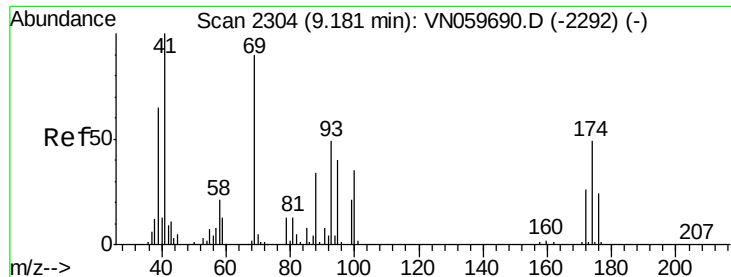
63 100

65 0.0 24.9 37.3#



Abundance Ion 62.90 (62.60 to 63.60): VN059877.D (-2186) (-)

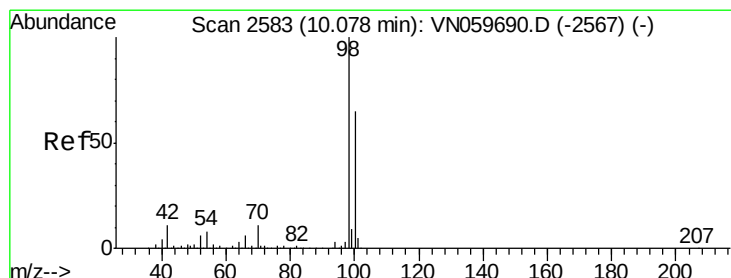
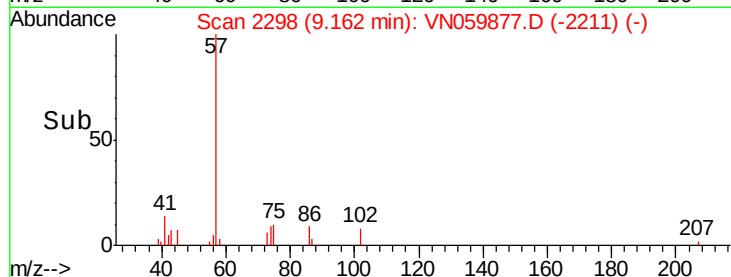
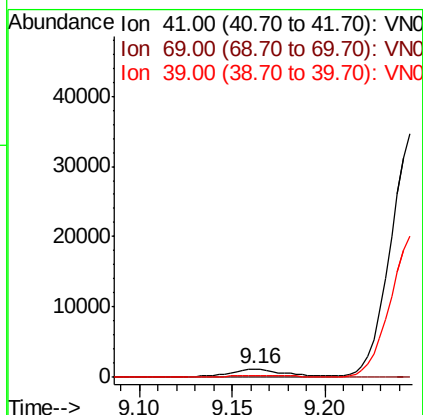
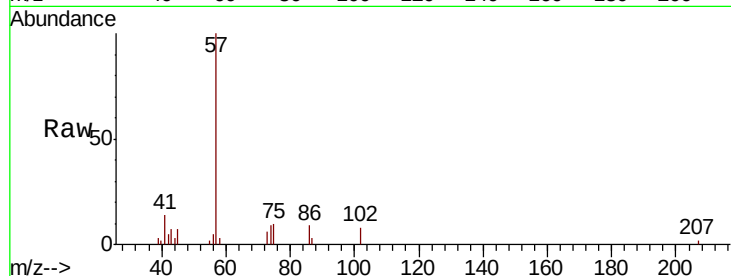




#48
Methvl methacrylate
Concen: 1.132 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.02 min
Lab File: VN059877.D
Acq: 27 Jan 2020 17:02

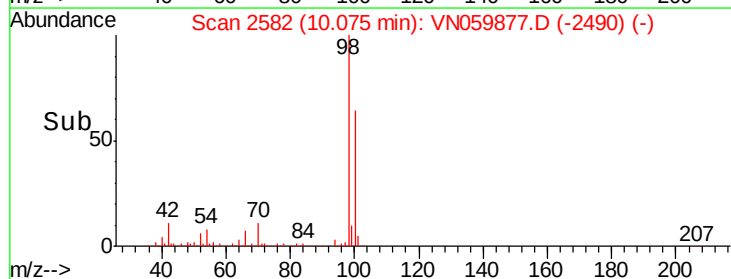
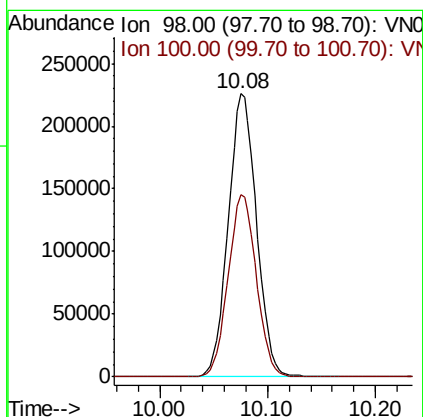
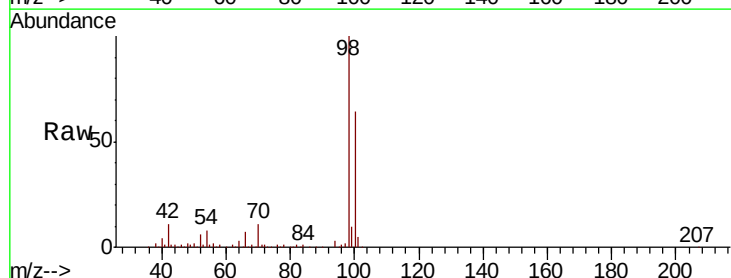
Instrument :
MSVOA_N
ClientSampled :

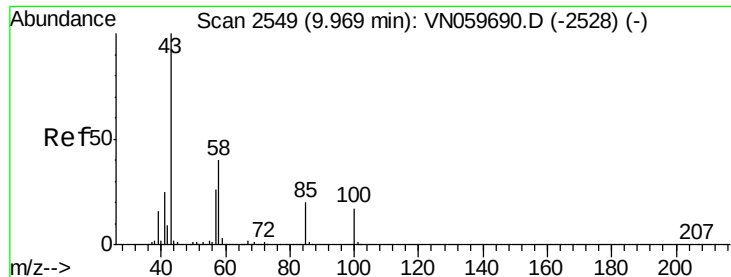
Tot Ion: 41 Resp: 2502
Ion Ratio Lower Upper
41 100
69 0.0 64.4 96.6#
39 0.0 51.3 76.9#



#50
Toluene-d8
Concen: 50.825 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN059877.D
Acq: 27 Jan 2020 17:02

Tgt Ion: 98 Resp: 413002
Ion Ratio Lower Upper
98 100
100 64.3 51.2 76.8

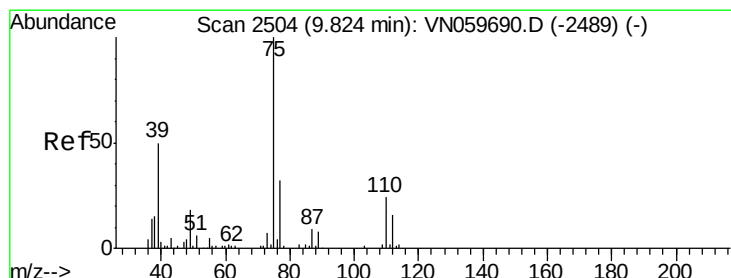
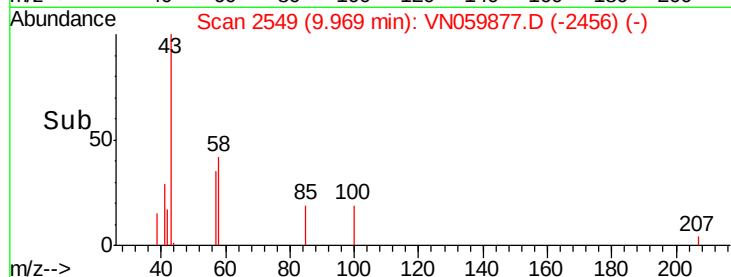
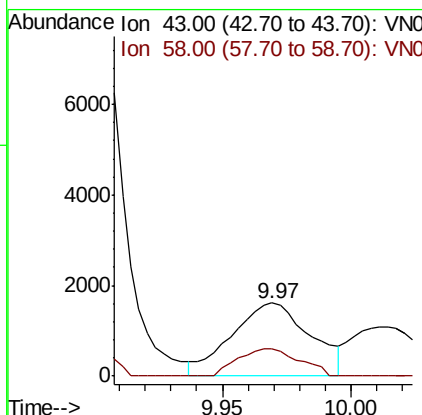
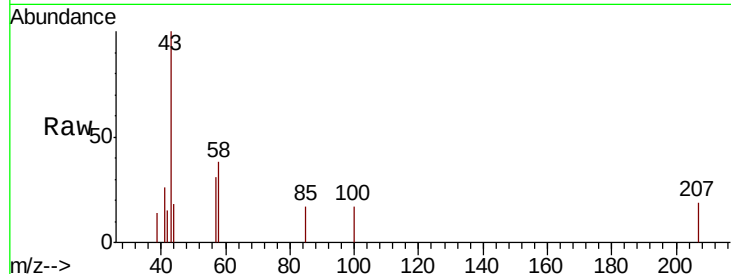




#51
 4-Methyl-2-Pentanone
 Concen: 1.204 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN059877.D
 Acq: 27 Jan 2020 17:02

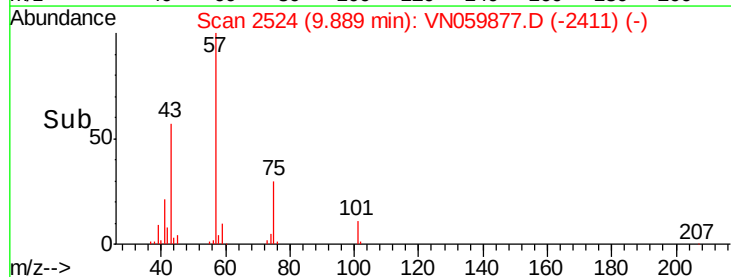
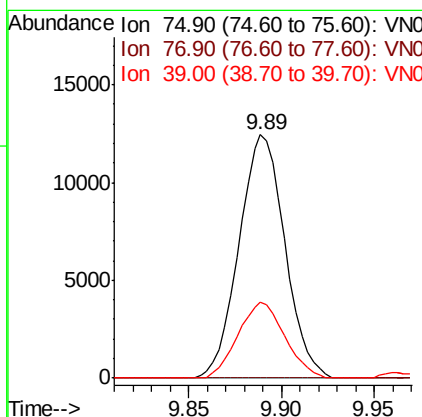
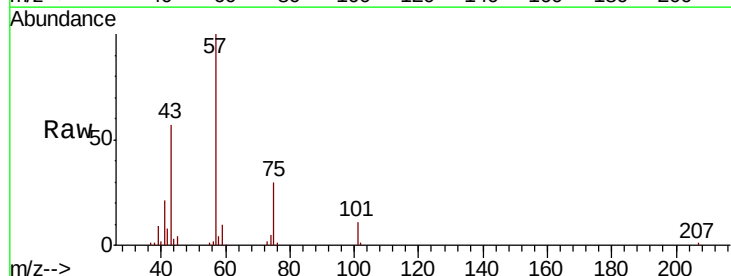
Instrument :
 MSVOA_N
 ClientSampled :

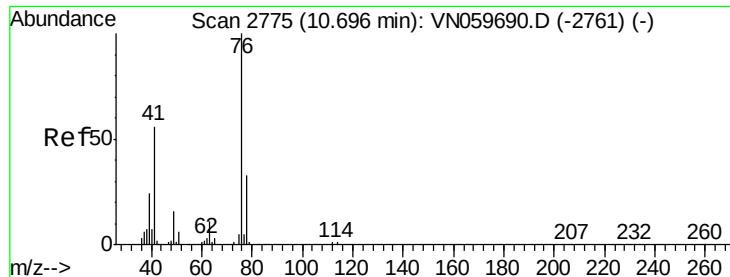
Tot Ion: 43 Resp: 3439
 Ion Ratio Lower Upper
 43 100
 58 29.7 29.8 44.8#



#54
 cis-1,3-Dichloropropene
 Concen: 5.675 ug/l
 RT: 9.89 min Scan# 2524
 Delta R.T. 0.06 min
 Lab File: VN059877.D
 Acq: 27 Jan 2020 17:02

Tgt Ion: 75 Resp: 21423
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.1 37.7#
 39 31.0 46.1 69.1#

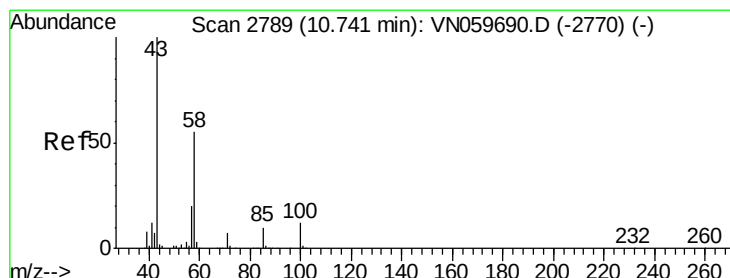
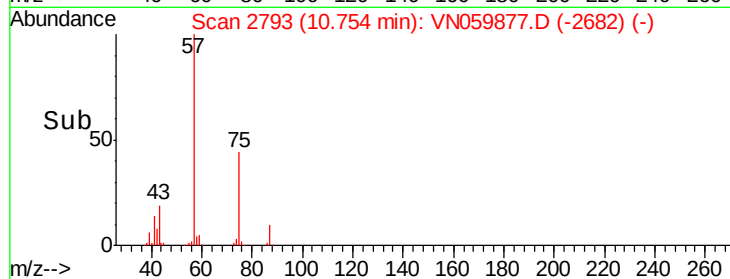
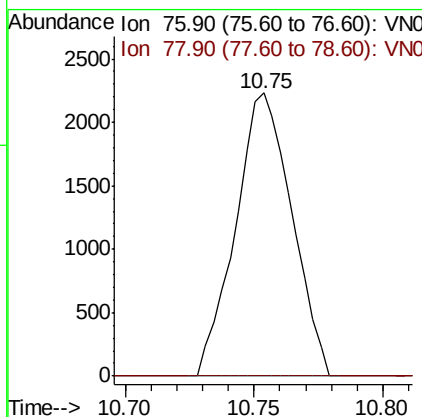
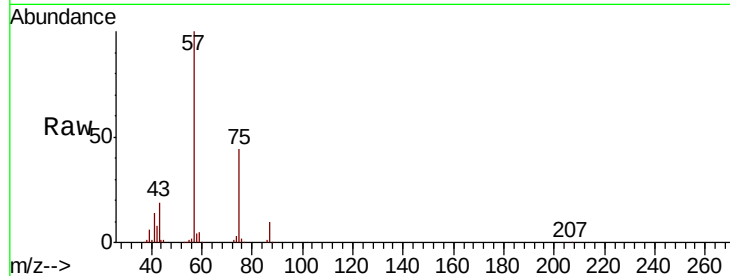




#57
 1,3-Dichloropropane
 Concen: 0.934 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.06 min
 Lab File: VN059877.D
 Acq: 27 Jan 2020 17:02

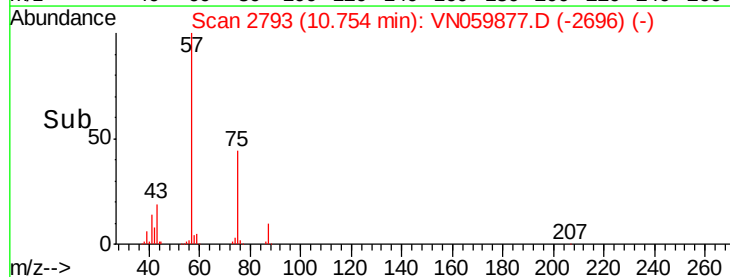
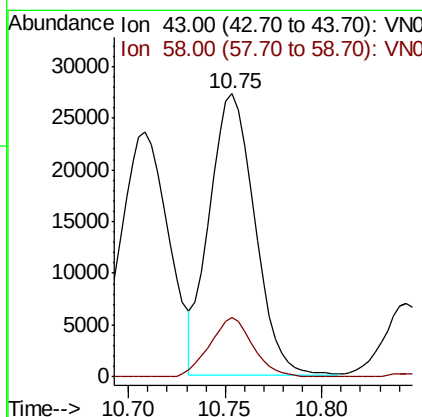
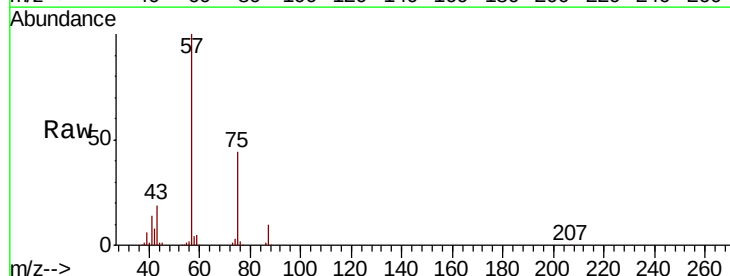
Instrument :
 MSVOA_N
 ClientSampled :

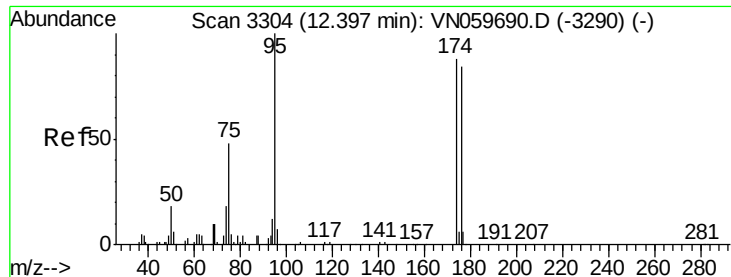
Tot Ion: 76 Resp: 3388
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#



#59
 2-Hexanone
 Concen: 21.139 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN059877.D
 Acq: 27 Jan 2020 17:02

Tgt Ion: 43 Resp: 44480
 Ion Ratio Lower Upper
 43 100
 58 20.0 25.8 77.3#

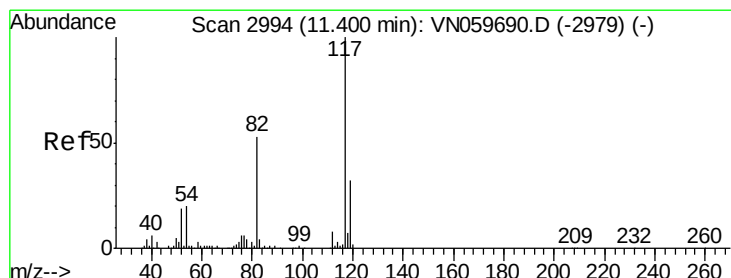
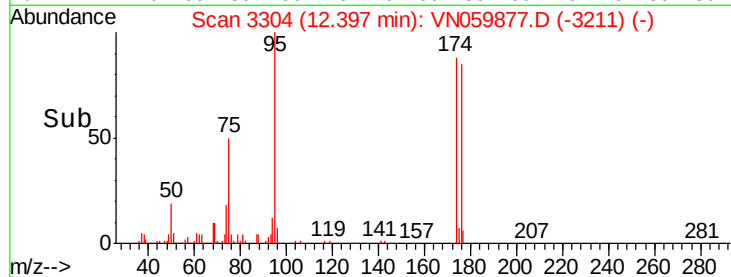
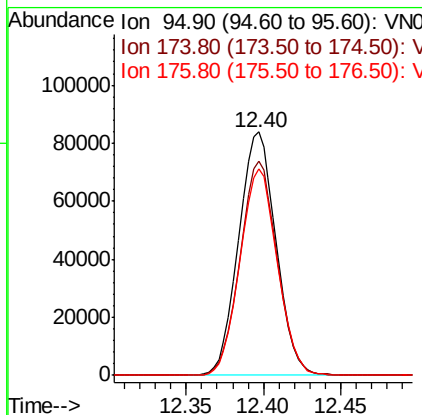
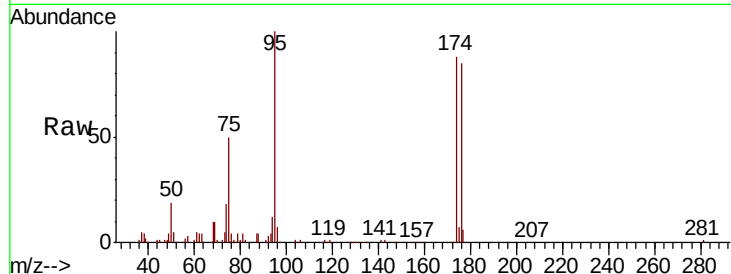




#62
4-Bromofluorobenzene
Concen: 48.045 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN059877.D
Acq: 27 Jan 2020 17:02

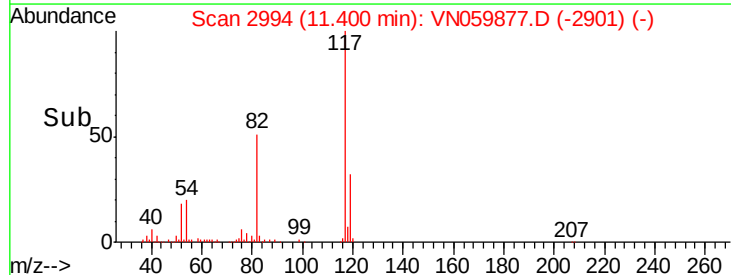
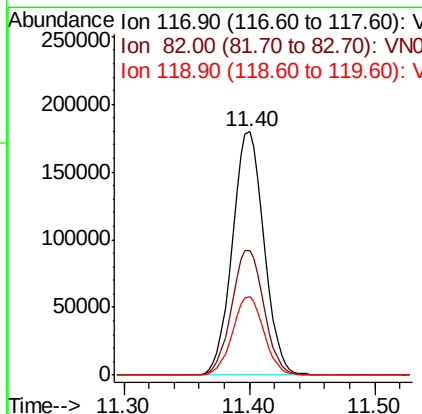
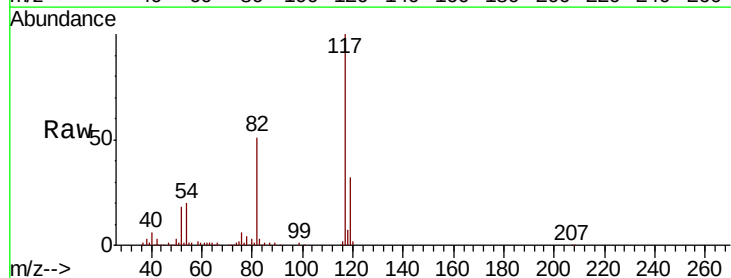
Instrument :
MSVOA_N
ClientSampled :

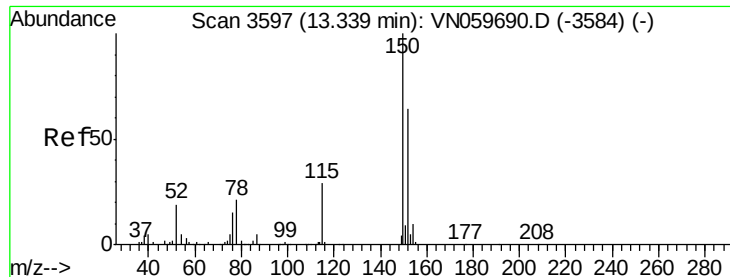
Tot Ion: 95 Resp: 140743
Ion Ratio Lower Upper
95 100
174 87.6 0.0 151.4
176 85.1 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059877.D
Acq: 27 Jan 2020 17:02

Tgt Ion: 117 Resp: 314916
Ion Ratio Lower Upper
117 100
82 51.3 45.9 68.9
119 32.2 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN059877.D

Acq: 27 Jan 2020 17:02

Instrument :

MSVOA_N

ClientSampleId :

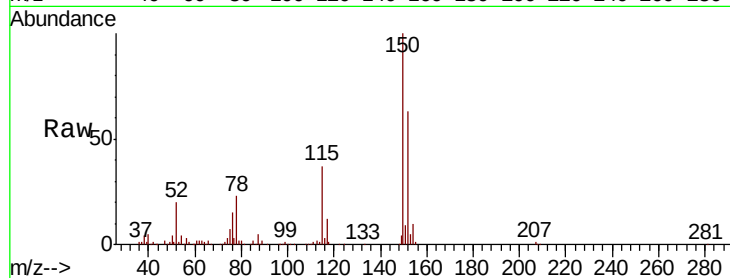
Tot Ion:152 Resp: 131741

Ion Ratio Lower Upper

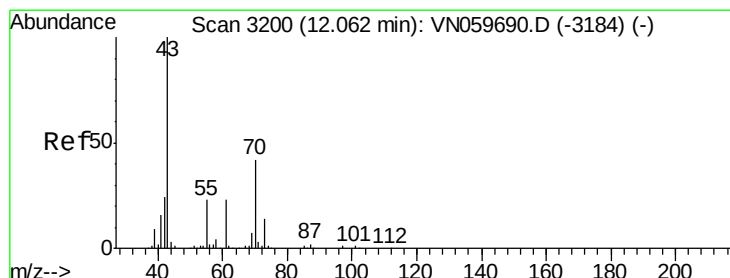
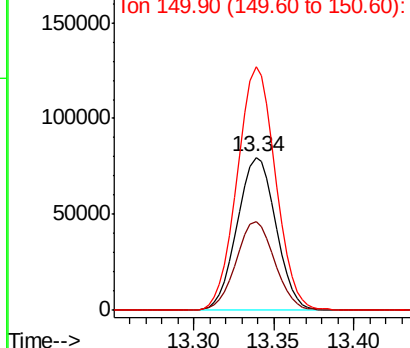
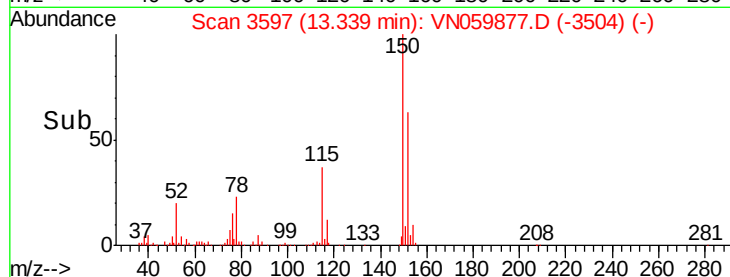
152 100

115 58.1 30.3 90.9

150 157.5 0.0 345.2



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



#74

N-ethyl acetate

Concen: 0.380 ug/l

RT: 12.03 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VN059877.D

Acq: 27 Jan 2020 17:02

Tgt Ion: 43 Resp: 1423

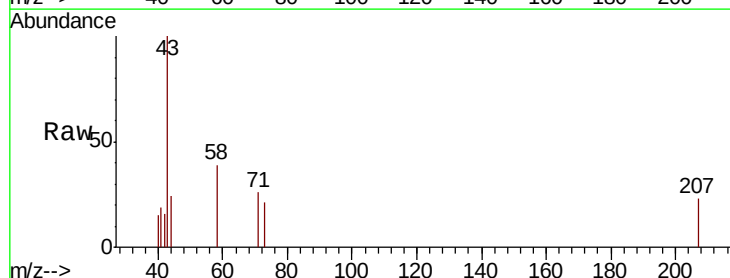
Ion Ratio Lower Upper

43 100

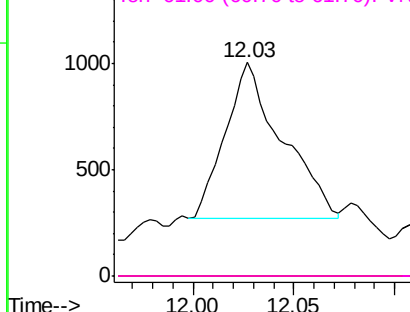
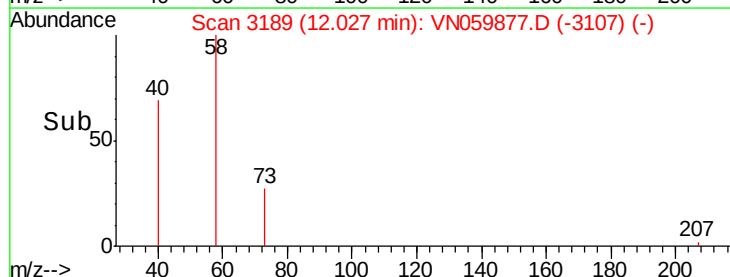
70 0.0 31.3 46.9#

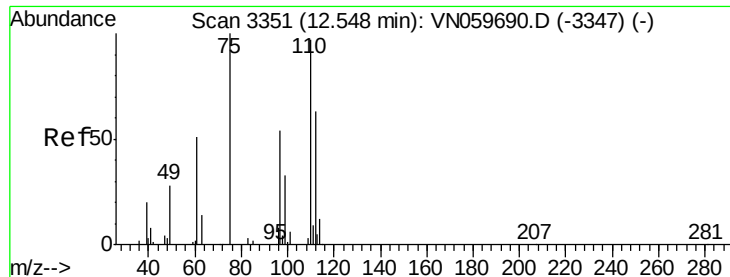
55 0.0 19.8 29.6#

61 0.0 18.3 27.5#



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





#76

1,2,3-Trichloropropane

Concen: 31.894 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059877.D

Acq: 27 Jan 2020 17:02

Instrument :

MSVOA_N

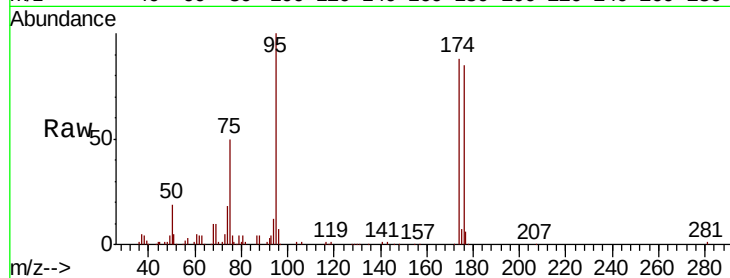
ClientSampleId :

Tot Ion: 75 Resp: 70711

Ion Ratio Lower Upper

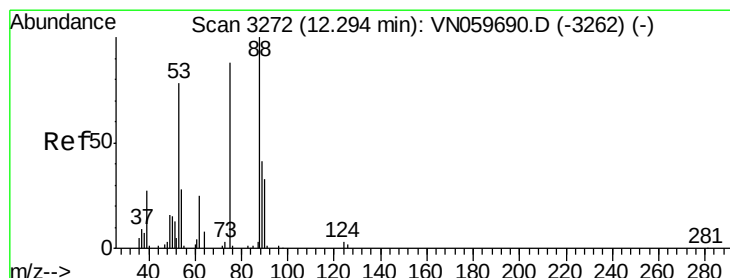
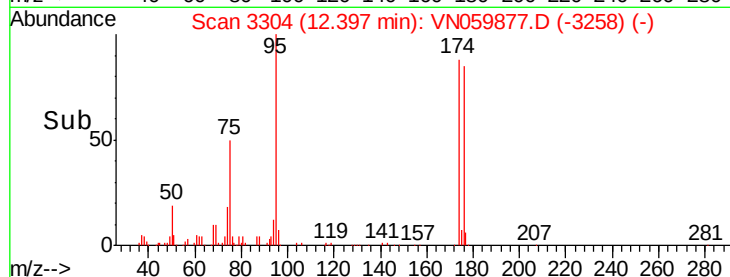
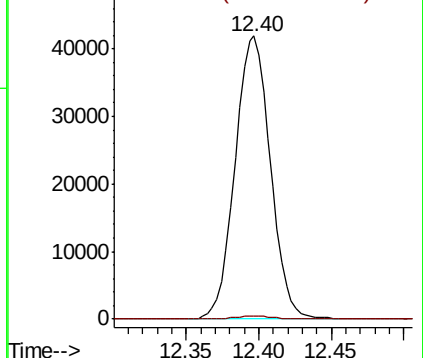
75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 68.492 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN059877.D

Acq: 27 Jan 2020 17:02

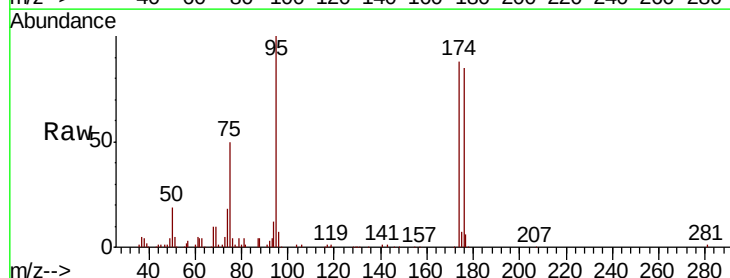
Tgt Ion: 75 Resp: 70711

Ion Ratio Lower Upper

75 100

53 0.0 78.1 117.1#

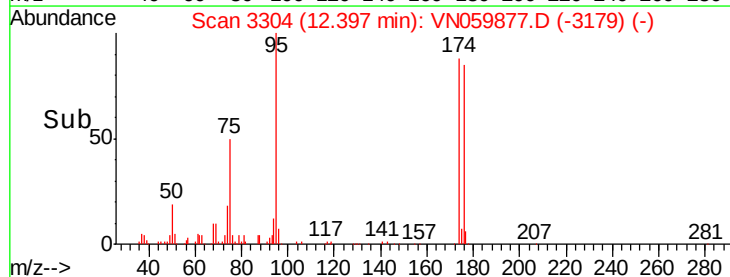
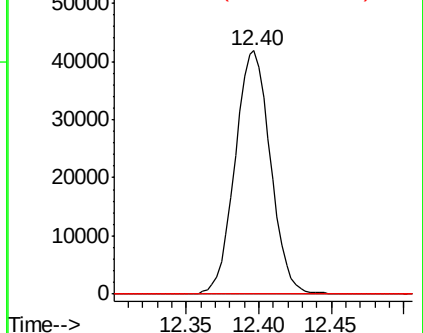
89 0.0 35.4 53.2#

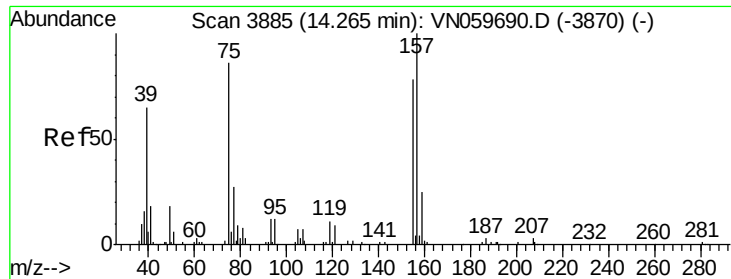


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.30 min Scan# 3897

Delta R.T. 0.04 min

Lab File: VN059877.D

Acq: 27 Jan 2020 17:02

Instrument :

MSVOA_N

ClientSampleId :

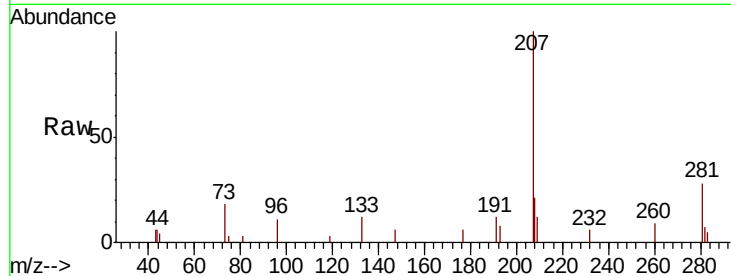
Tot Ion: 75 Resp: 59

Ion Ratio Lower Upper

75 100

155 0.0 37.0 110.9#

157 0.0 48.4 145.2#



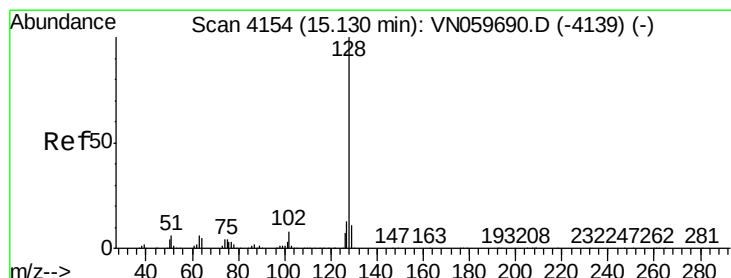
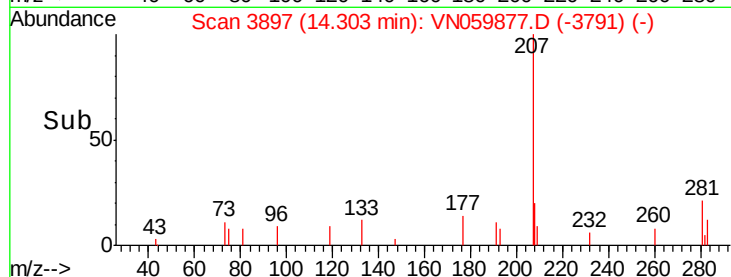
Abundance Ion 74.90 (74.60 to 75.60): VN059877.D (-3897) (-)

Ion 154.80 (154.50 to 155.50): VN059877.D (-3897) (-)

Ion 156.80 (156.50 to 157.50): VN059877.D (-3897) (-)

14.30

Time-->



#95

Naphthalene

Concen: 0.283 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN059877.D

Acq: 27 Jan 2020 17:02

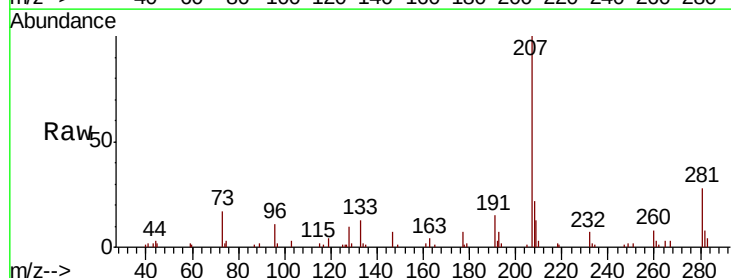
Tgt Ion: 128 Resp: 2035

Ion Ratio Lower Upper

128 100

127 7.5 10.4 15.6#

129 4.9 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): VN059877.D (-4061) (-)

Ion 127.00 (126.70 to 127.70): VN059877.D (-4061) (-)

Ion 129.00 (128.70 to 129.70): VN059877.D (-4061) (-)

15.14

Time-->

