

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012120\
 Data File : VN059809.D
 Acq On : 21 Jan 2020 14:07
 Operator : JC/MD
 Sample : PB126227ZHE#10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 22 02:46:12 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	206662	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	311392	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	274205	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	113205	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	107872	47.00	ug/l	0.00
Spiked Amount			Recovery	=	94.00%	
35) Dibromofluoromethane	7.57	113	93439	50.32	ug/l	0.00
Spiked Amount			Recovery	=	100.64%	
50) Toluene-d8	10.08	98	363105	50.47	ug/l	0.00
Spiked Amount			Recovery	=	100.94%	
62) 4-Bromofluorobenzene	12.40	95	121444	46.82	ug/l	0.00
Spiked Amount			Recovery	=	93.64%	

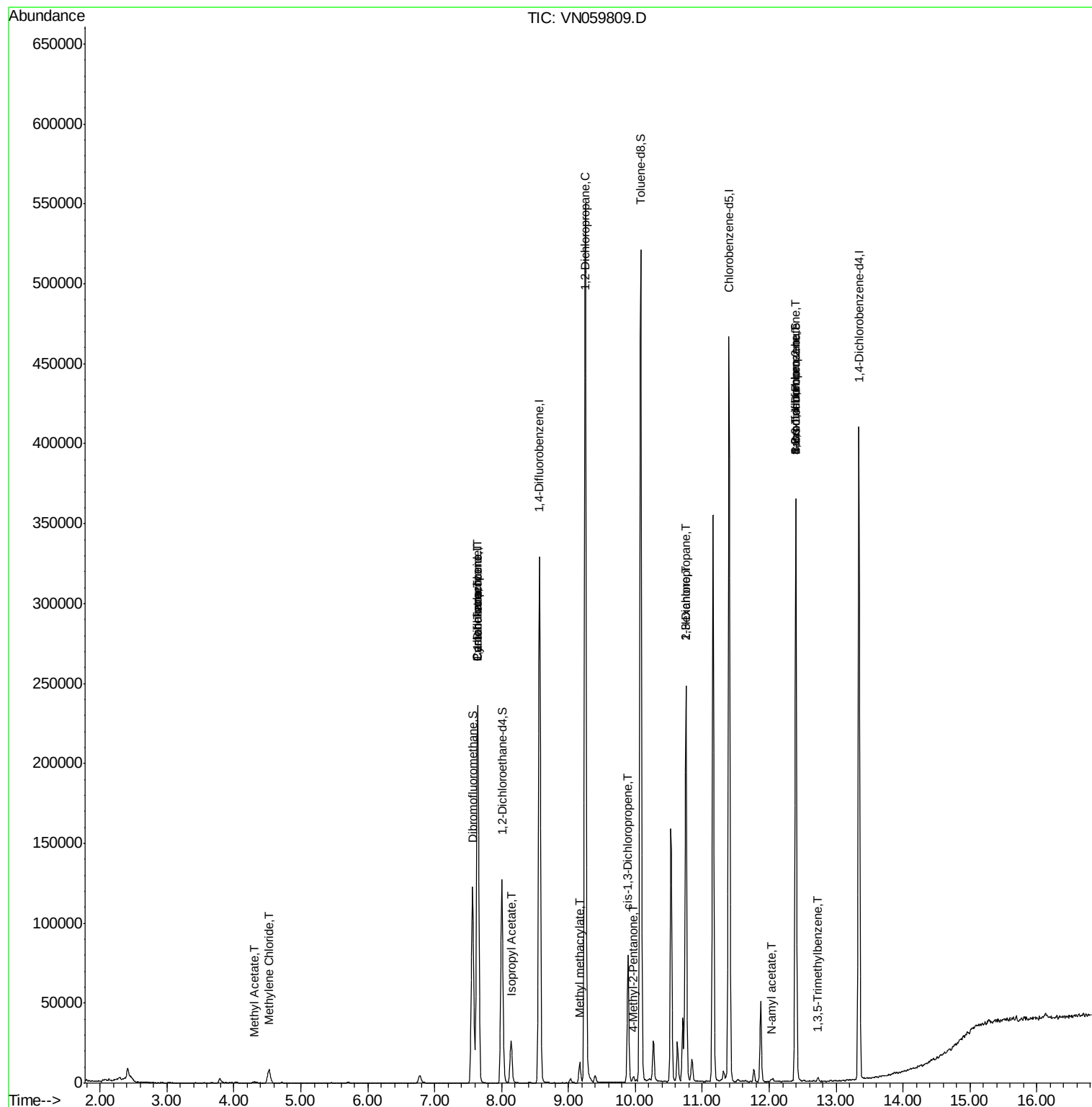
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	4262	Below Cal		97
18) Methyl Acetate	4.31	43	1805	0.673	ug/l #	62
20) Methylene Chloride	4.53	84	6822	2.044	ug/l #	82
31) Cyclohexane	7.64	56	3966	1.168	ug/l #	13
36) 1,1-Dichloropropene	7.64	75	13954	5.146	ug/l #	50
38) Carbon Tetrachloride	7.64	117	19197	6.508	ug/l #	15
43) Isopropyl Acetate	8.14	43	31681	7.242	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	629	0.314	ug/l #	44
48) Methyl methacrylate	9.17	41	1719	0.878	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	2675	1.058	ug/l #	75
54) cis-1,3-Dichloropropene	9.89	75	15606	4.669	ug/l #	58
57) 1,3-Dichloropropane	10.75	76	2552	0.795	ug/l #	42
59) 2-Hexanone	10.75	43	34139	18.325	ug/l #	55
71) Bromoform	12.40	173	544	0.326	ug/l #	1
74) N-amyl acetate	12.03	43	1508	0.468	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	59656	31.313	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	1599	0.229	ug/l	92
81) trans-1,4-Dichloro-2-buten	12.40	75	59656	67.246	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.33	75	30	Below Cal	#	6

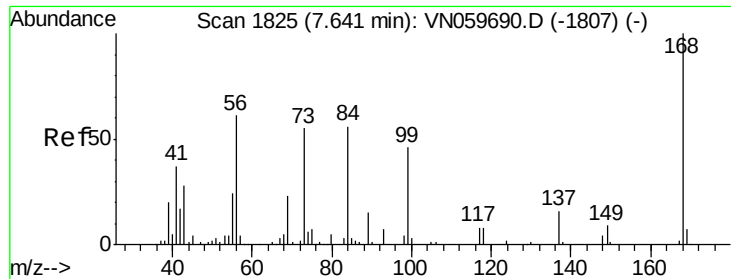
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
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# 1826

Delta R.T. 0.00 min

Lab File: VN059809.D

Acq: 21 Jan 2020 14:07

Instrument :

MSVOA_N

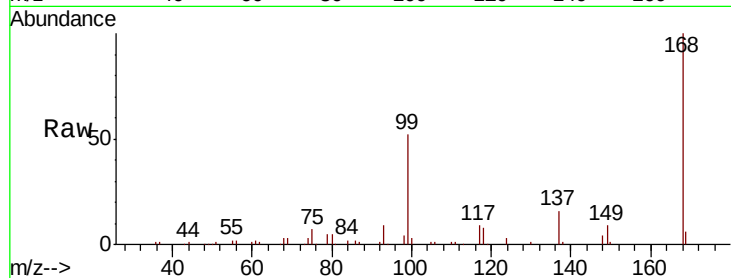
ClientSampleId :

Tot Ion:168 Resp: 206662

Ion Ratio Lower Upper

168 100

99 52.5 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VN059690.D (-1807) (-)

Ion 98.90 (98.60 to 99.60): VN059690.D (-1807) (-)

7.64

80000

60000

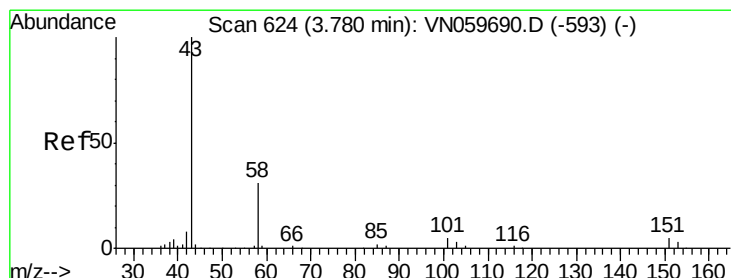
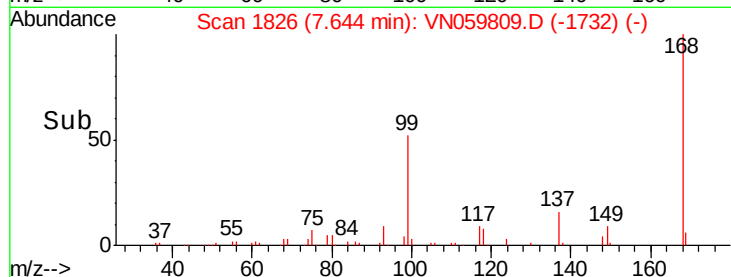
40000

20000

0

7.60 7.70

Time-->



#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN059809.D

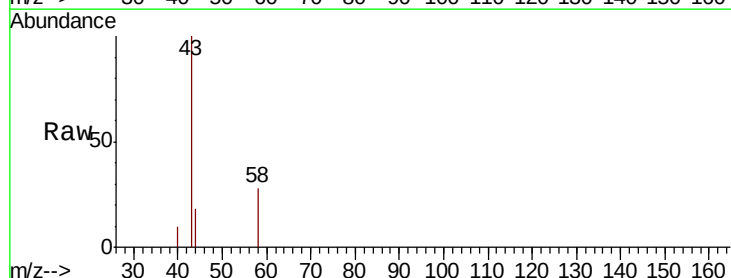
Acq: 21 Jan 2020 14:07

Tgt Ion: 43 Resp: 4262

Ion Ratio Lower Upper

43 100

58 27.9 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN059690.D (-593) (-)

Ion 58.00 (57.70 to 58.70): VN059690.D (-593) (-)

3.79

1500

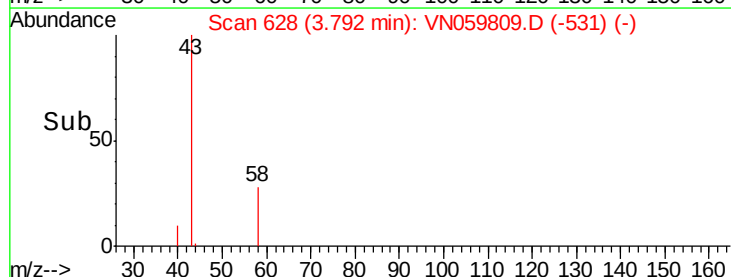
1000

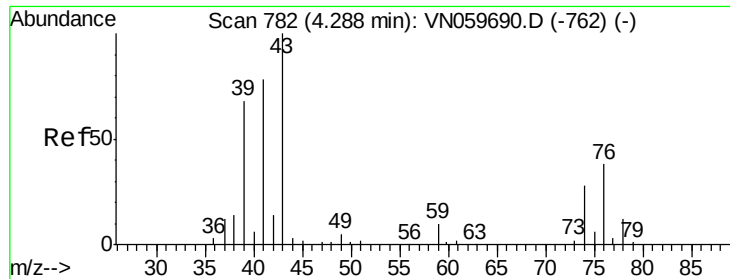
500

0

3.70 3.75 3.80 3.85

Time-->

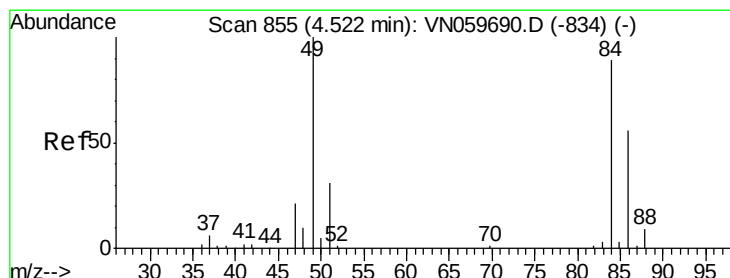
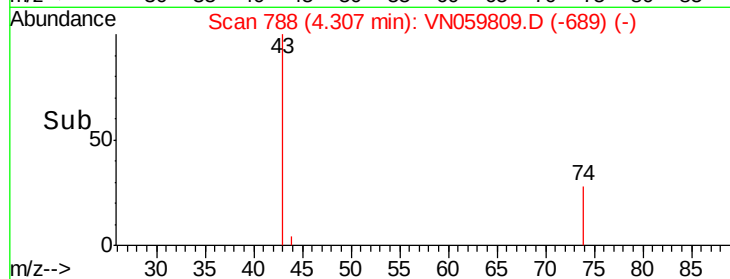
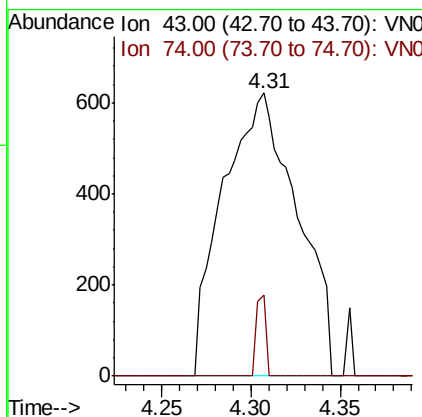
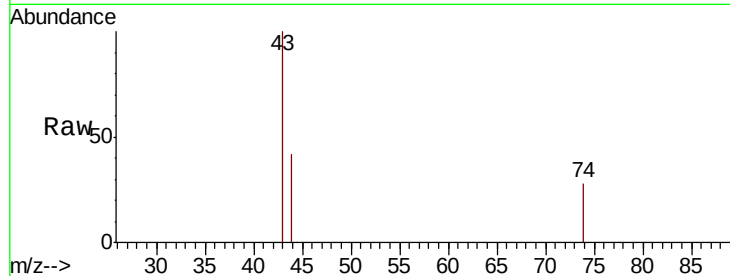




#18
Methyl Acetate
Concen: 0.673 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.02 min
Lab File: VN059809.D
Acq: 21 Jan 2020 14:07

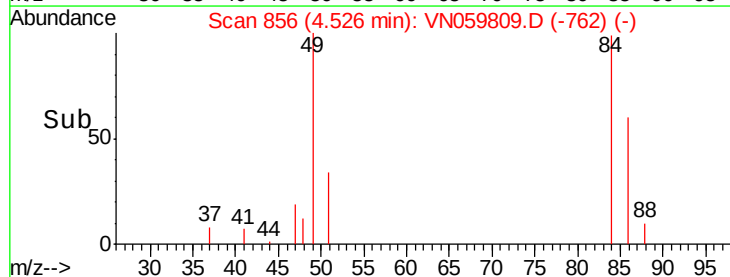
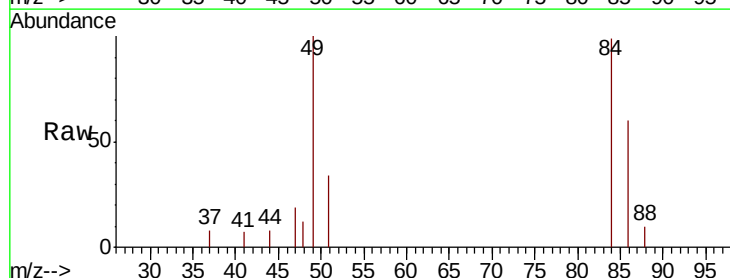
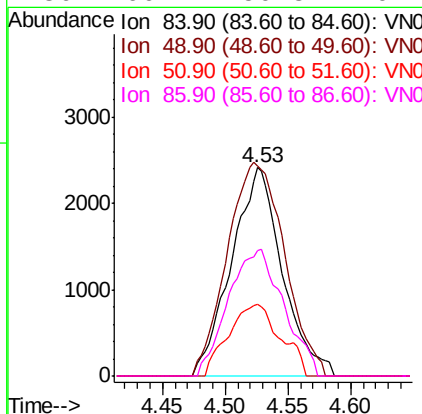
Instrument :
MSVOA_N
ClientSampleId :

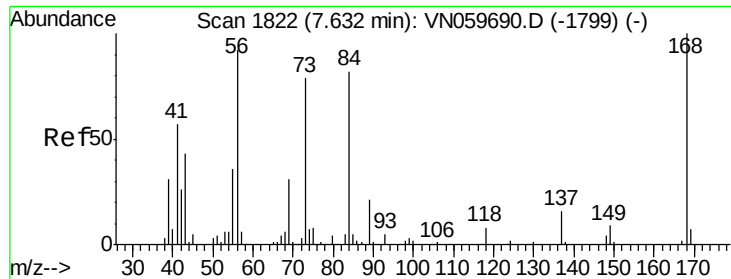
Tot Ion: 43 Resp: 1805
Ion Ratio Lower Upper
43 100
74 3.7 17.5 26.3#



#20
Methylene Chloride
Concen: 2.044 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059809.D
Acq: 21 Jan 2020 14:07

Tgt Ion: 84 Resp: 6822
Ion Ratio Lower Upper
84 100
49 100.7 106.6 160.0#
51 34.3 31.9 47.9
86 60.1 50.8 76.2

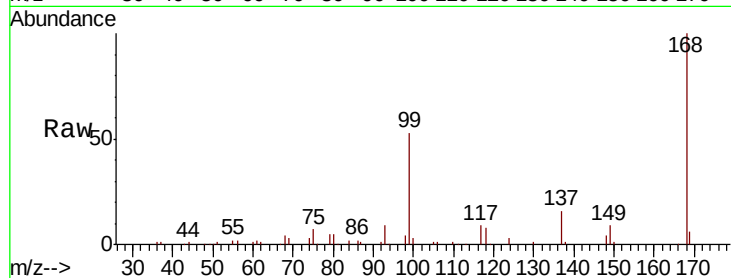




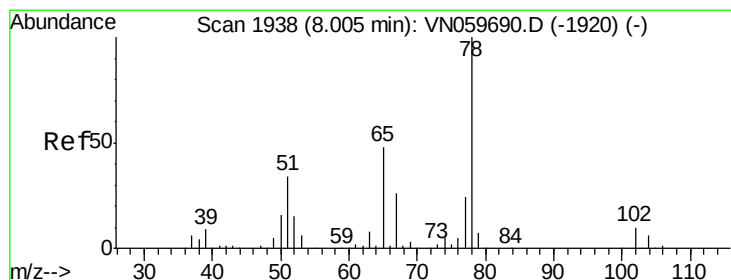
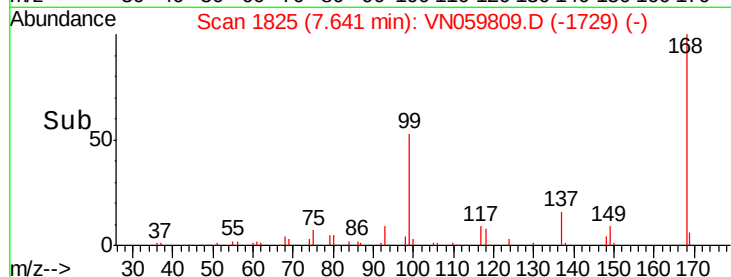
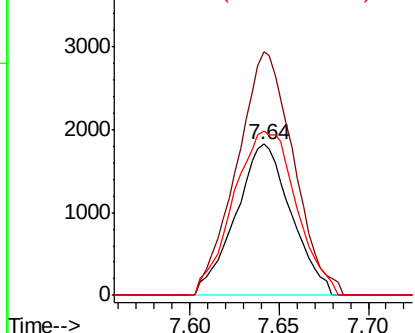
#31
Cyclohexane
Concen: 1.168 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN059809.D
Acq: 21 Jan 2020 14:07

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 3966
Ion Ratio Lower Upper
56 100
69 161.2 26.5 39.7#
84 108.5 65.3 97.9#

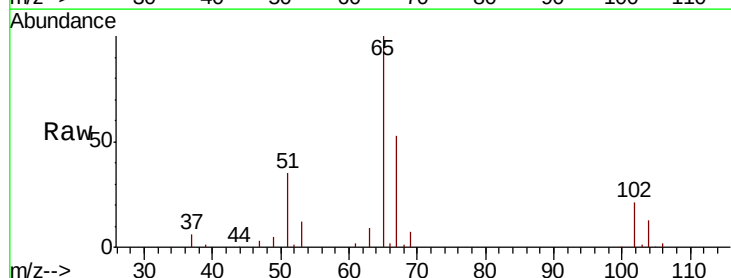


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

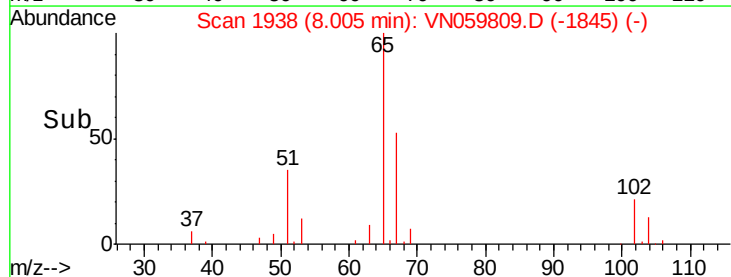
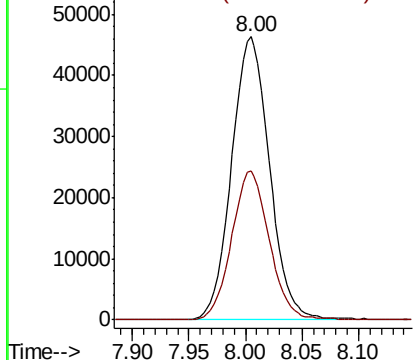


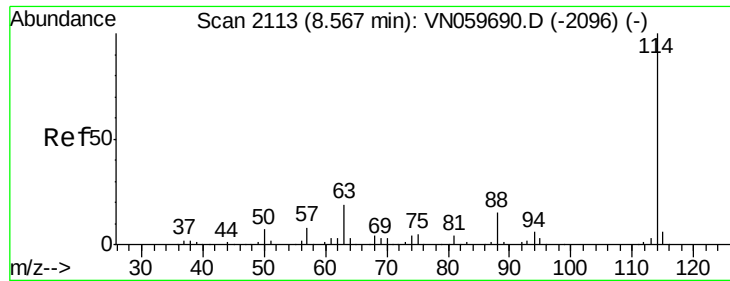
#33
1,2-Dichloroethane-d4
Concen: 47.002 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN059809.D
Acq: 21 Jan 2020 14:07

Tgt Ion: 65 Resp: 107872
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

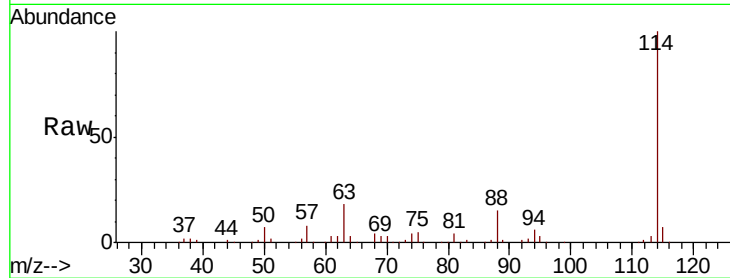




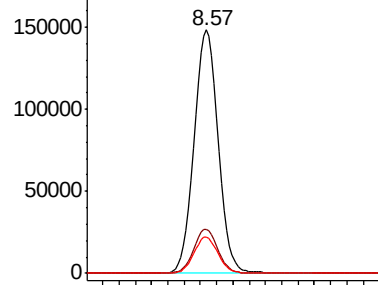
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059809.D
 Acq: 21 Jan 2020 14:07

Instrument :
 MSVOA_N
 ClientSampleId :

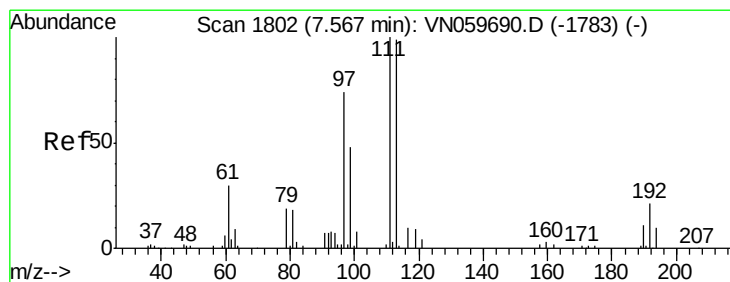
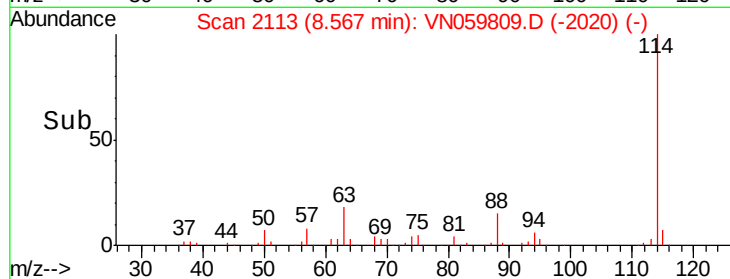
Tot Ion:114 Resp: 311392
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 43.6
 88 14.8 0.0 31.4



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

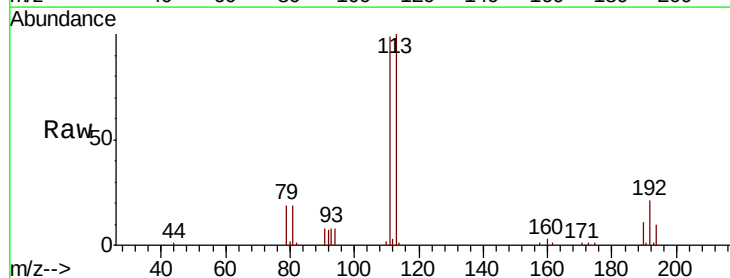


Time-->

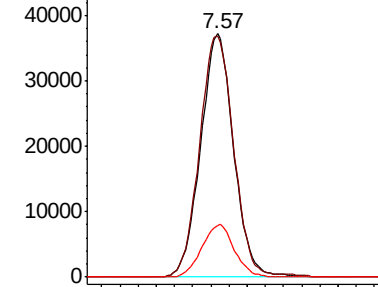


#35
 Dibromofluoromethane
 Concen: 50.318 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059809.D
 Acq: 21 Jan 2020 14:07

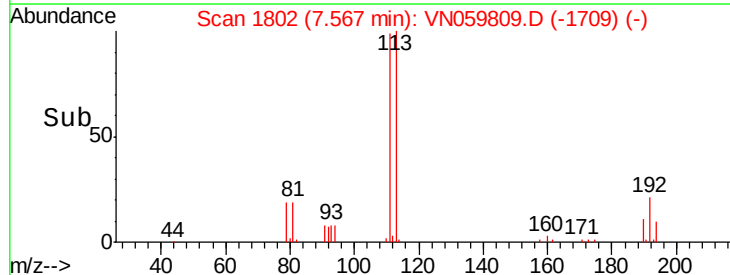
Tgt Ion:113 Resp: 93439
 Ion Ratio Lower Upper
 113 100
 111 102.0 83.5 125.3
 192 21.1 15.4 23.2

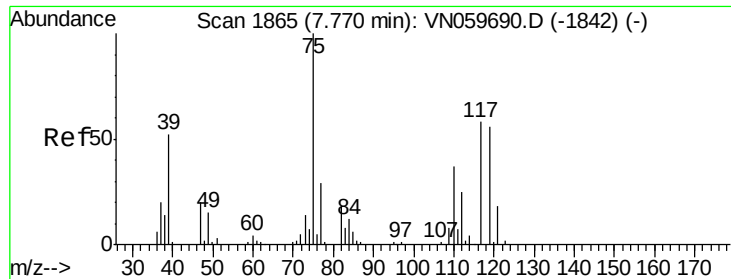


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V



Time-->

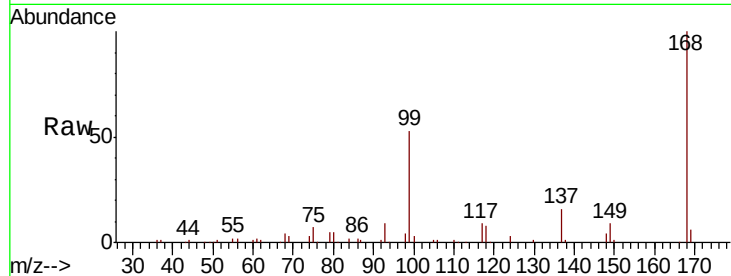




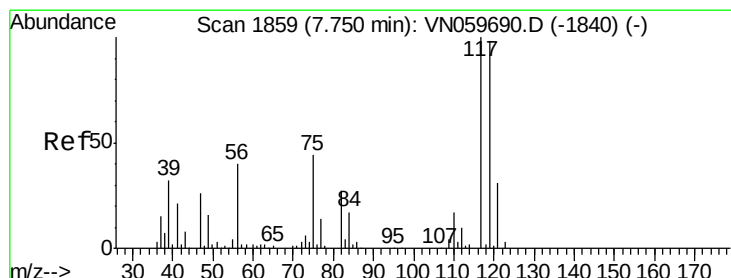
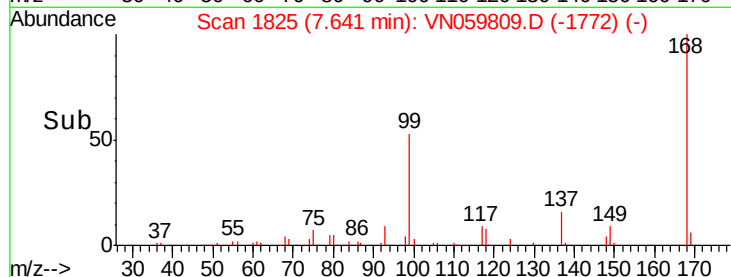
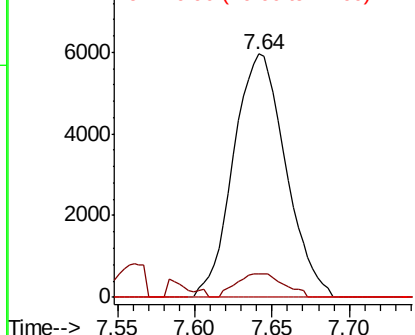
#36
 1,1-Dichloropropene
 Concen: 5.146 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059809.D
 Acq: 21 Jan 2020 14:07

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	16.6	49.7#
77	0.0	25.1	37.7#

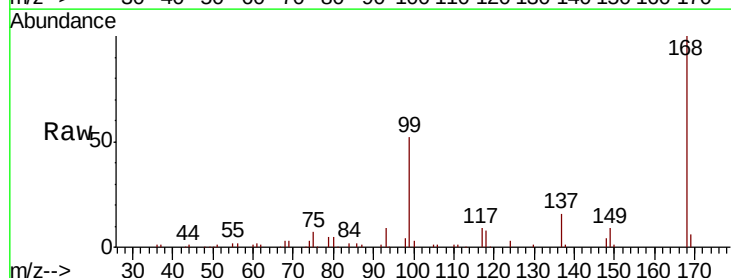


Abundance Ion 74.90 (74.60 to 75.60): VN059690.D (-1842) (-)
 Ion 109.90 (109.60 to 110.60): VN059690.D (-1842) (-)
 Ion 76.90 (76.60 to 77.60): VN059690.D (-1842) (-)

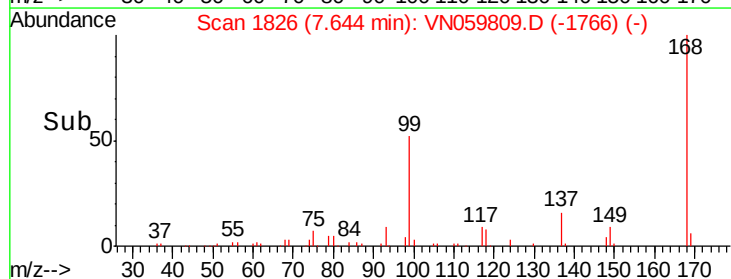
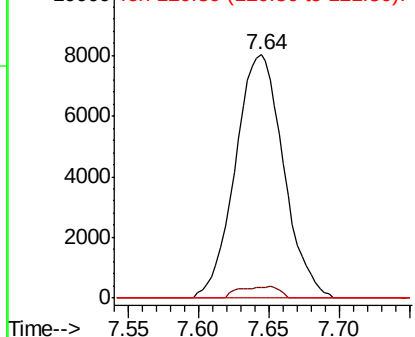


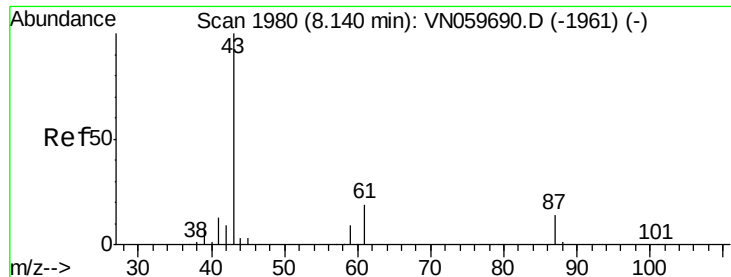
#38
 Carbon Tetrachloride
 Concen: 6.508 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN059809.D
 Acq: 21 Jan 2020 14:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.2	76.5	114.7#
121	0.0	25.1	37.7#



Abundance Ion 116.80 (116.50 to 117.50): VN059690.D (-1840) (-)
 Ion 118.80 (118.50 to 119.50): VN059690.D (-1840) (-)
 Ion 120.80 (120.50 to 121.50): VN059690.D (-1840) (-)





#43

Isopropyl Acetate

Concen: 7.242 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN059809.D

Acq: 21 Jan 2020 14:07

Instrument :

MSVOA_N

ClientSampleId :

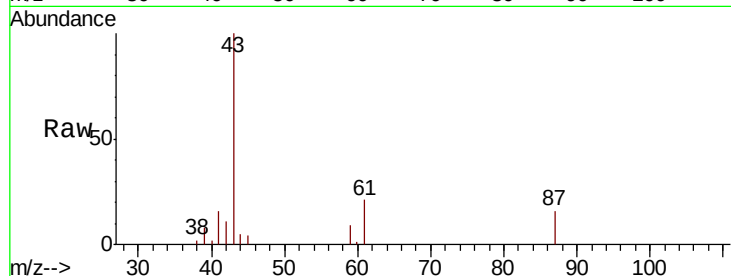
Tot Ion: 43 Resp: 31681

Ion Ratio Lower Upper

43 100

61 19.7 20.2 30.2#

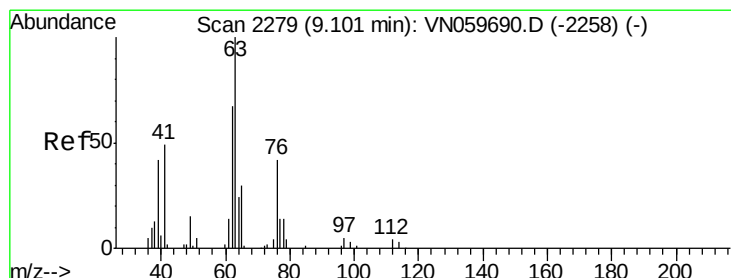
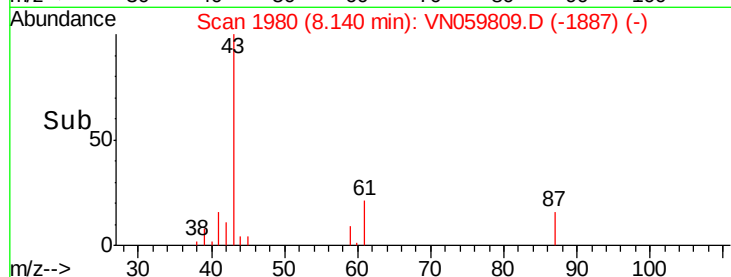
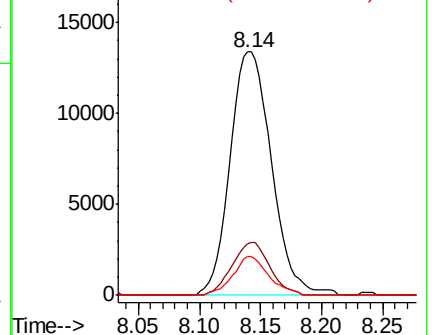
87 13.9 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VN059809.D (-1961) (-)

Ion 61.00 (60.70 to 61.70): VN059809.D (-1961) (-)

Ion 87.00 (86.70 to 87.70): VN059809.D (-1961) (-)



#45

1,2-Dichloropropane

Concen: 0.314 ug/l

RT: 9.25 min Scan# 2326

Delta R.T. 0.15 min

Lab File: VN059809.D

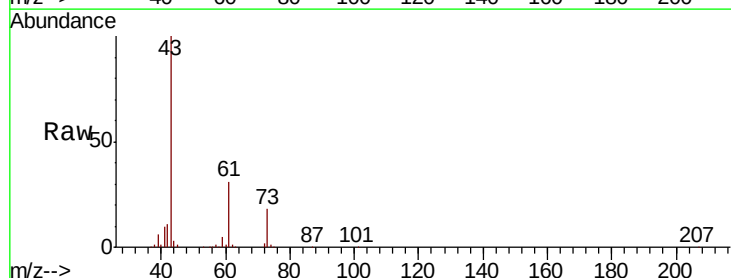
Acq: 21 Jan 2020 14:07

Tgt Ion: 63 Resp: 629

Ion Ratio Lower Upper

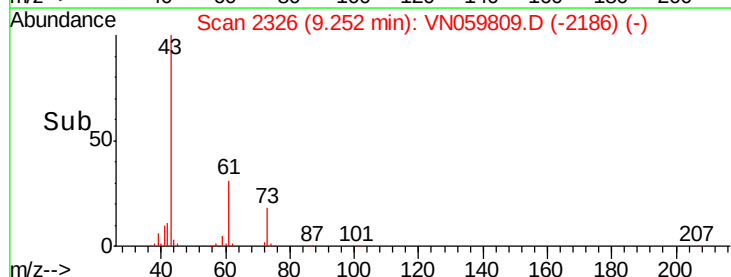
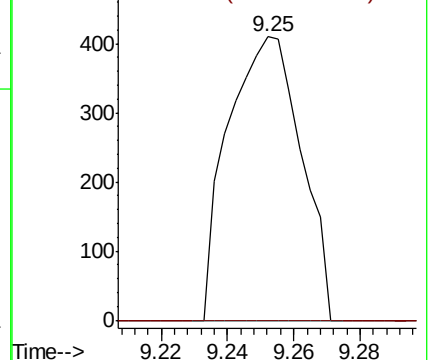
63 100

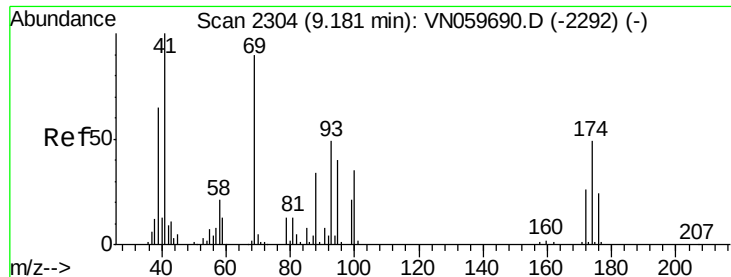
65 0.0 24.9 37.3#



Abundance Ion 62.90 (62.60 to 63.60): VN059809.D (-2186) (-)

Ion 64.90 (64.60 to 65.60): VN059809.D (-2186) (-)

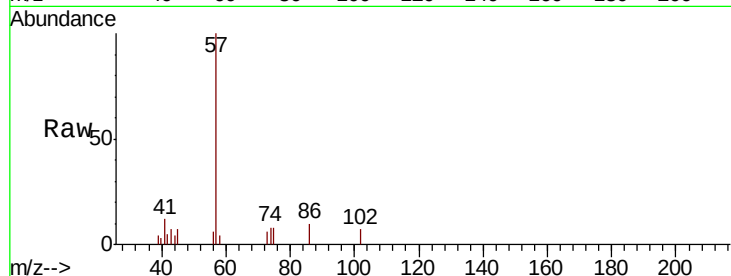




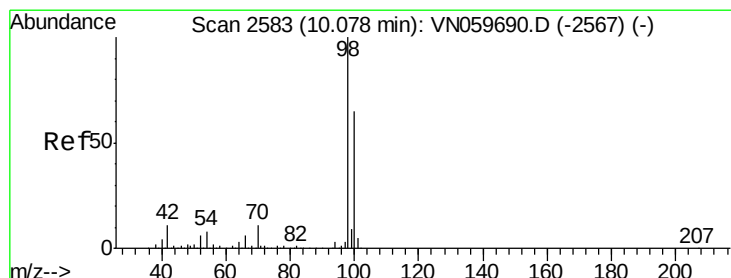
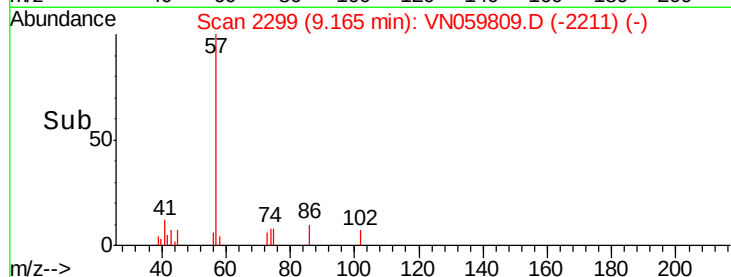
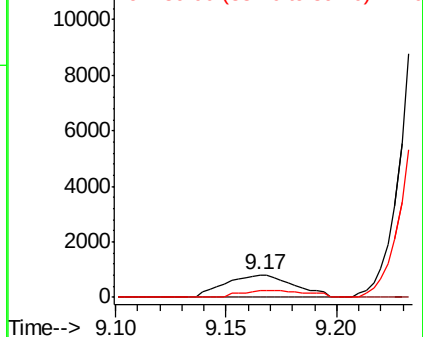
#48
Methvl methacrylate
Concen: 0.878 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.02 min
Lab File: VN059809.D
Acq: 21 Jan 2020 14:07

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 1719
Ion Ratio Lower Upper
41 100
69 0.0 64.4 96.6#
39 0.0 51.3 76.9#

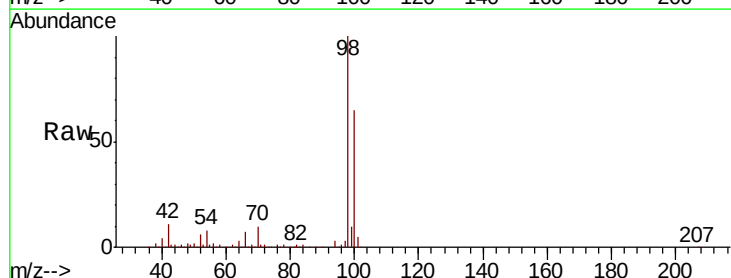


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

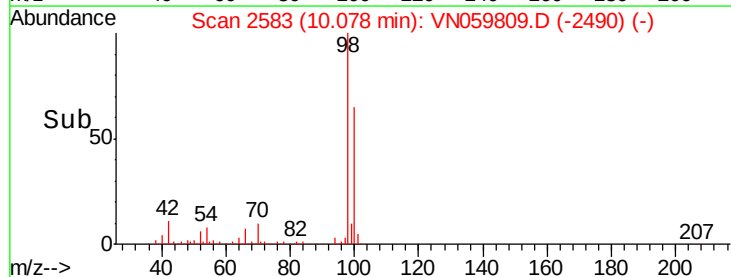
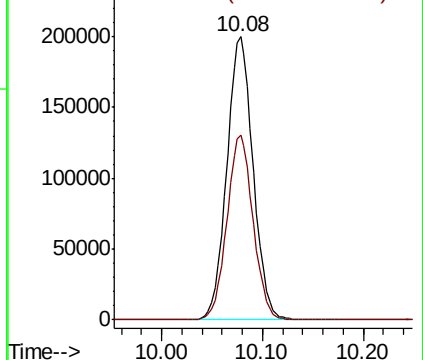


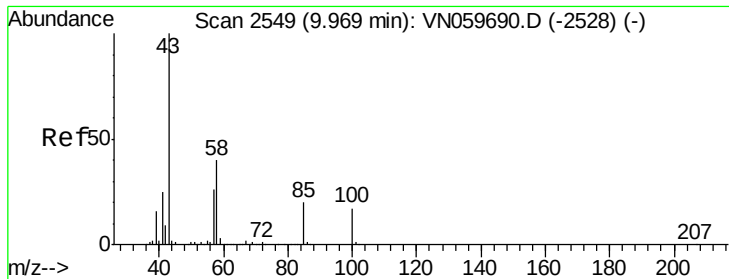
#50
Toluene-d8
Concen: 50.467 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059809.D
Acq: 21 Jan 2020 14:07

Tgt Ion: 98 Resp: 363105
Ion Ratio Lower Upper
98 100
100 64.8 51.2 76.8



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: 1.058 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN059809.D

Acq: 21 Jan 2020 14:07

Instrument :

MSVOA_N

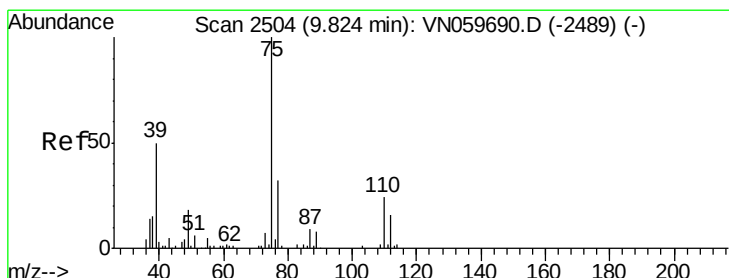
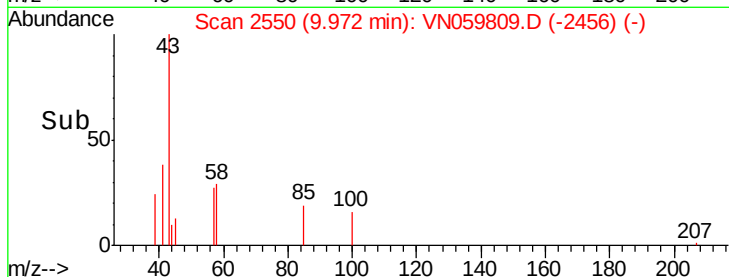
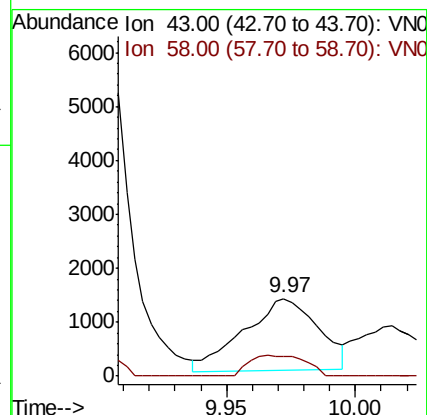
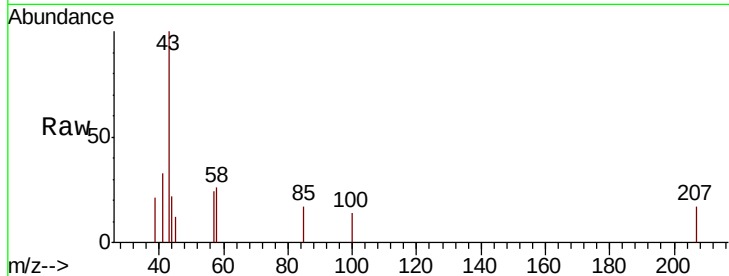
ClientSampleId :

Tot Ion: 43 Resp: 2675

Ion Ratio Lower Upper

43 100

58 22.3 29.8 44.8#



#54

cis-1,3-Dichloropropene

Concen: 4.669 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN059809.D

Acq: 21 Jan 2020 14:07

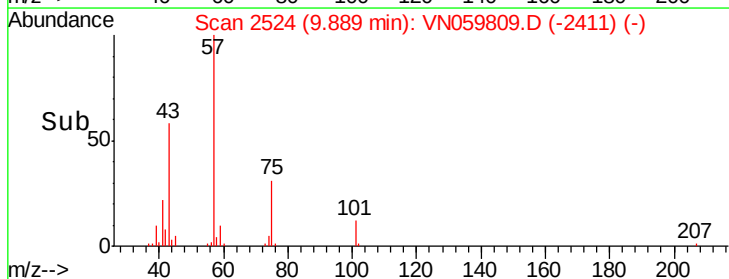
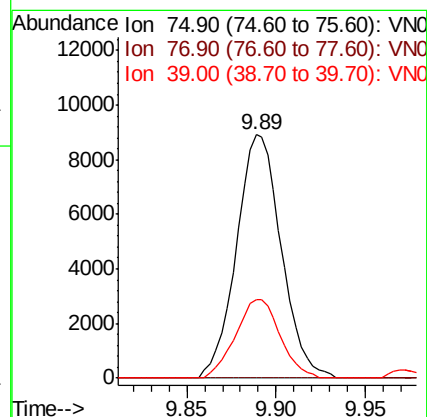
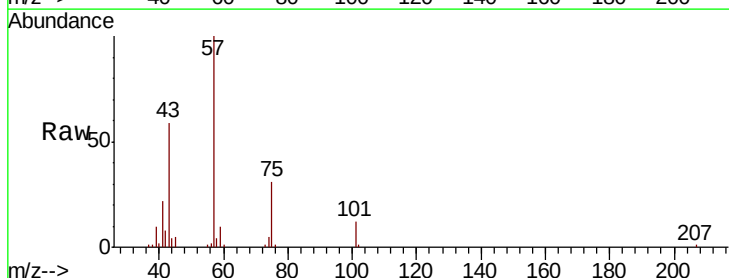
Tgt Ion: 75 Resp: 15606

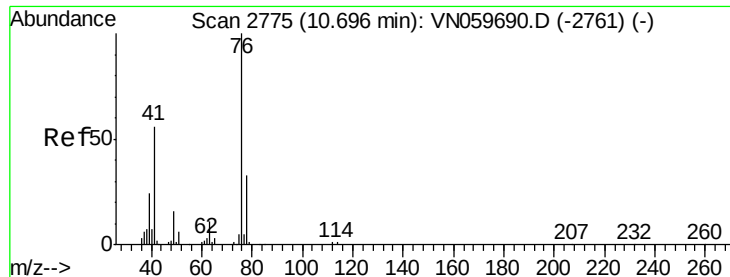
Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

39 32.4 46.1 69.1#

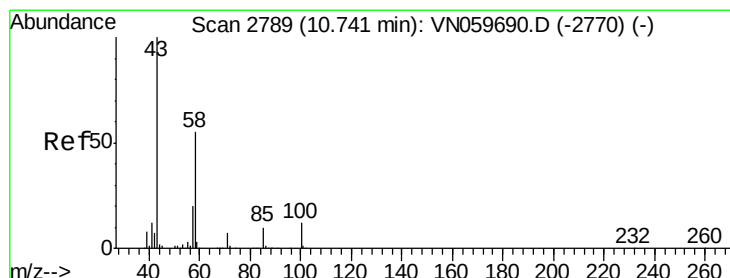
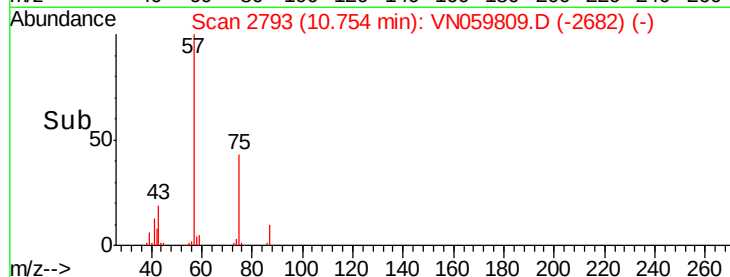
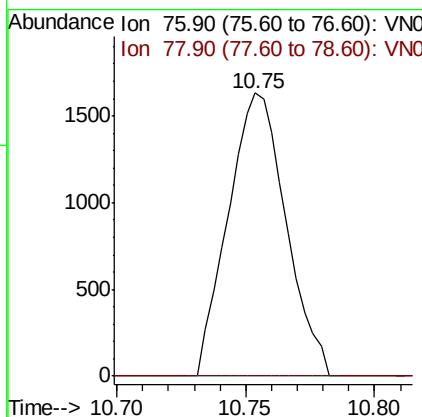
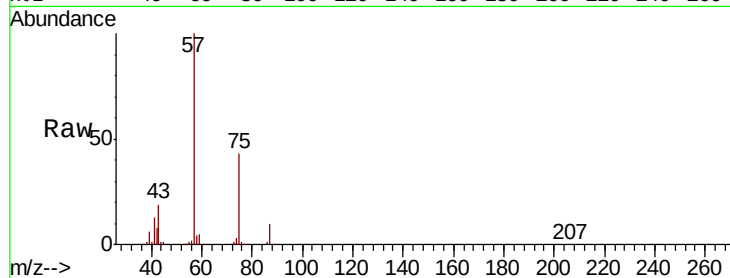




#57
 1,3-Dichloropropane
 Concen: 0.795 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.06 min
 Lab File: VN059809.D
 Acq: 21 Jan 2020 14:07

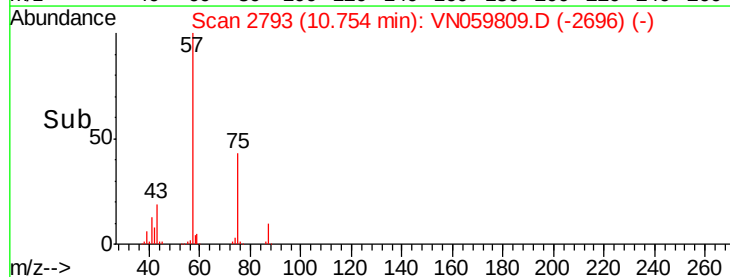
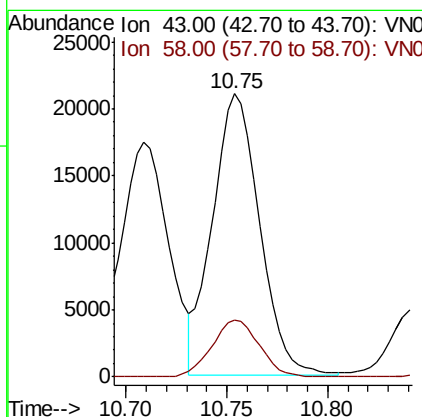
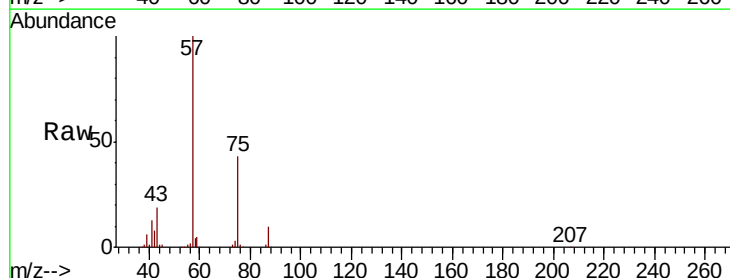
Instrument :
 MSVOA_N
 ClientSampled :

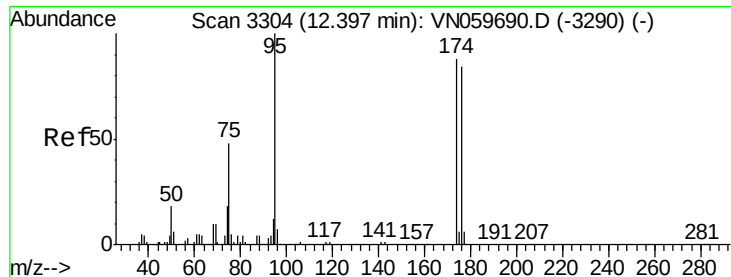
Tot Ion: 76 Resp: 2552
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#



#59
 2-Hexanone
 Concen: 18.325 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN059809.D
 Acq: 21 Jan 2020 14:07

Tgt Ion: 43 Resp: 34139
 Ion Ratio Lower Upper
 43 100
 58 20.3 25.8 77.3#





#62

4-Bromofluorobenzene

Concen: 46.822 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN059809.D

Acq: 21 Jan 2020 14:07

Instrument :

MSVOA_N

ClientSampled :

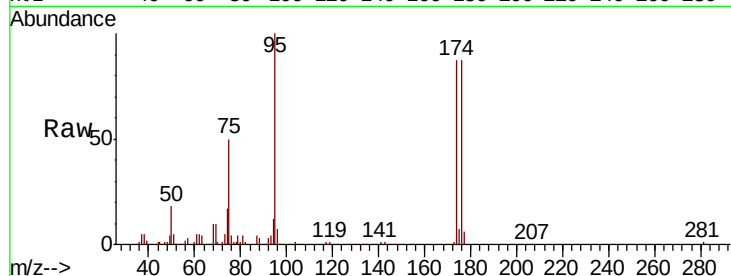
Tot Ion: 95 Resp: 121444

Ion Ratio Lower Upper

95 100

174 88.2 0.0 151.4

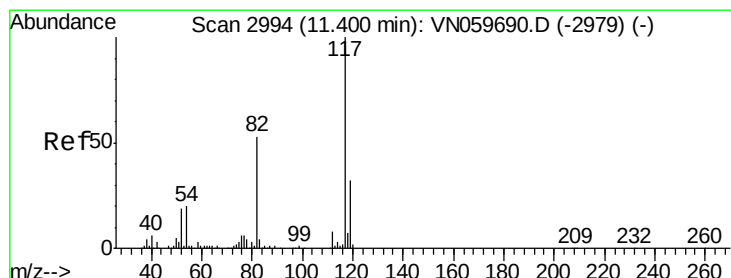
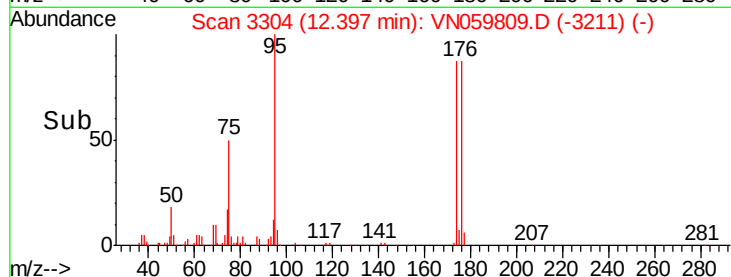
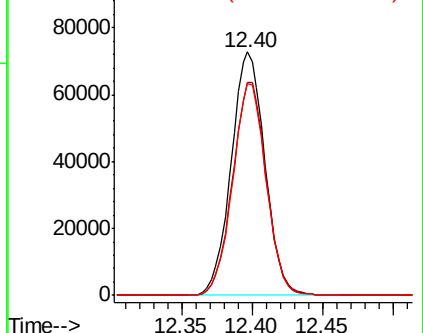
176 86.4 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN059809.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN059809.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN059809.D (-3211) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN059809.D

Acq: 21 Jan 2020 14:07

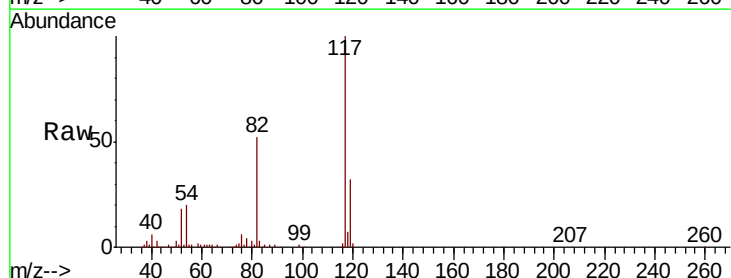
Tgt Ion: 117 Resp: 274205

Ion Ratio Lower Upper

117 100

82 52.4 45.9 68.9

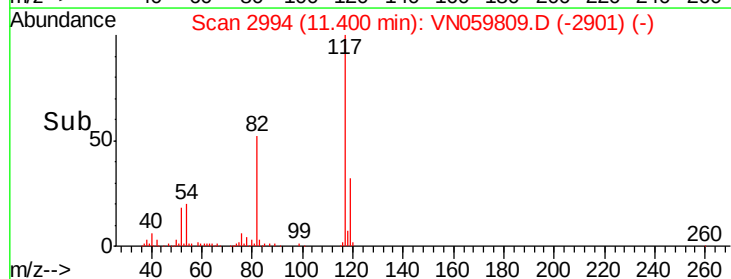
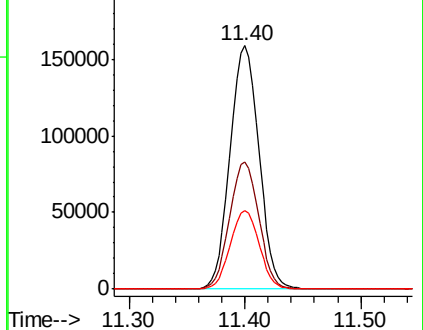
119 32.3 25.5 38.3

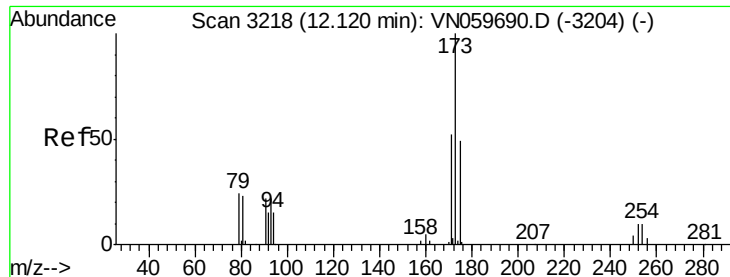


Abundance Ion 116.90 (116.60 to 117.60): VN059809.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN059809.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN059809.D (-2901) (-)

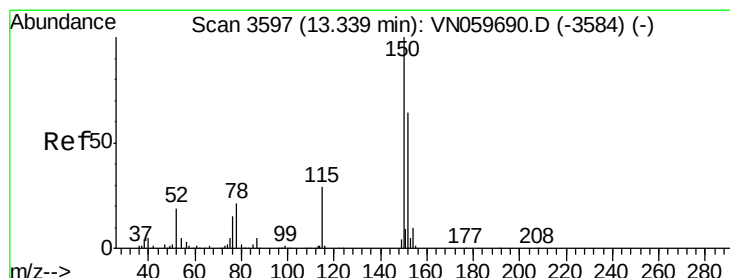
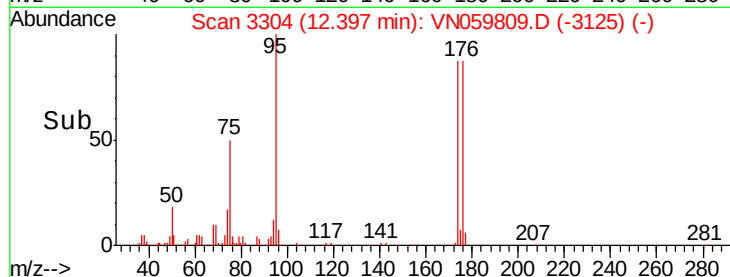
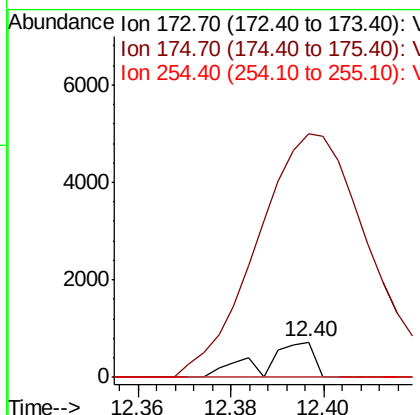
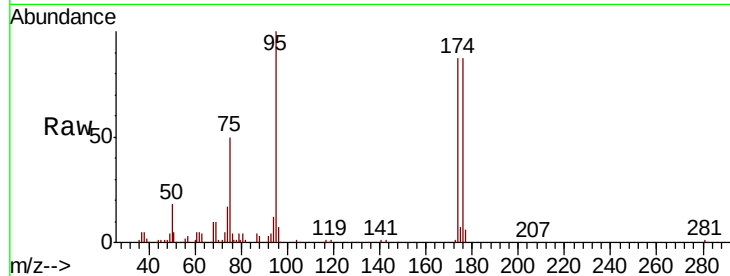




#71
 Bromoform
 Concen: 0.326 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.28 min
 Lab File: VN059809.D
 Acq: 21 Jan 2020 14:07

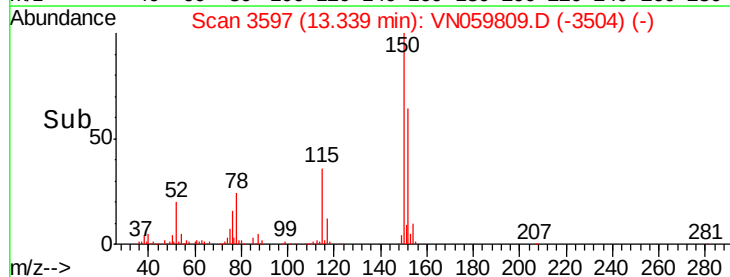
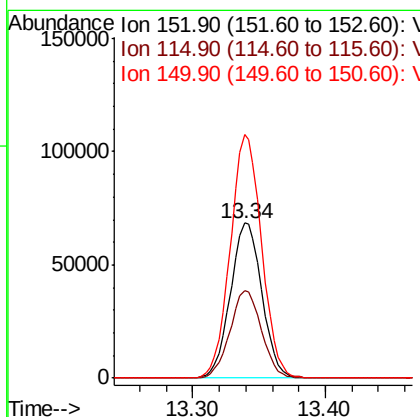
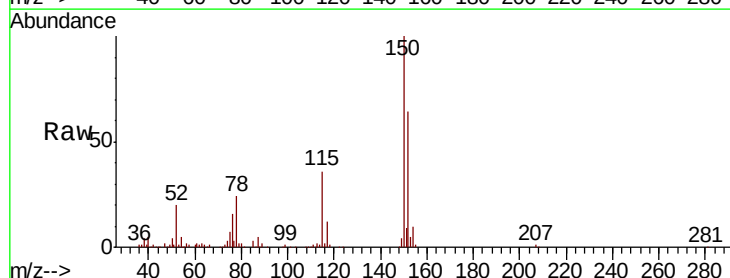
Instrument :
 MSVOA_N
 ClientSampleId :

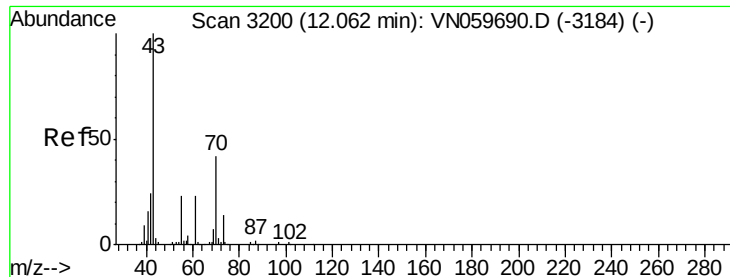
Tot Ion:173 Resp: 544
 Ion Ratio Lower Upper
 173 100
 175 1253.3 23.8 71.4#
 254 0.0 0.0 0.0



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN059809.D
 Acq: 21 Jan 2020 14:07

Tgt Ion:152 Resp: 113205
 Ion Ratio Lower Upper
 152 100
 115 56.4 30.3 90.9
 150 155.4 0.0 345.2





#74

N-amvl acetate

Concen: 0.468 ug/l

RT: 12.03 min Scan# 3190

Delta R.T. -0.03 min

Lab File: VN059809.D

Acq: 21 Jan 2020 14:07

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 1508

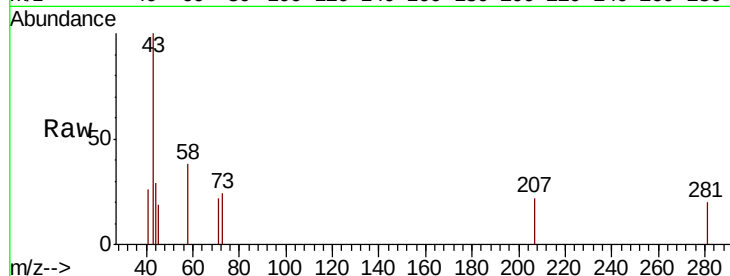
Ion Ratio Lower Upper

43 100

70 0.0 31.3 46.9#

55 0.0 19.8 29.6#

61 0.0 18.3 27.5#

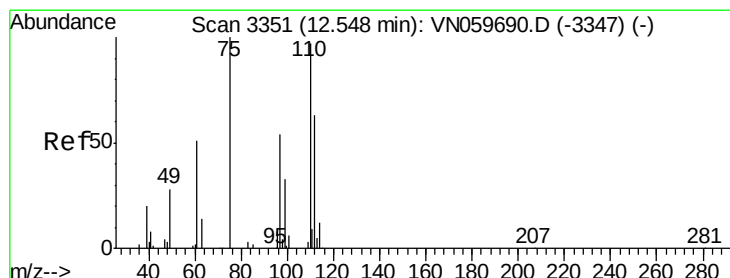
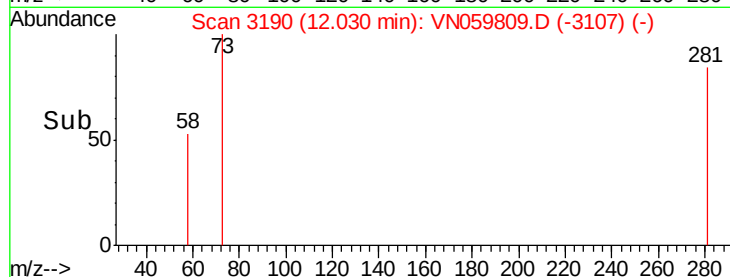
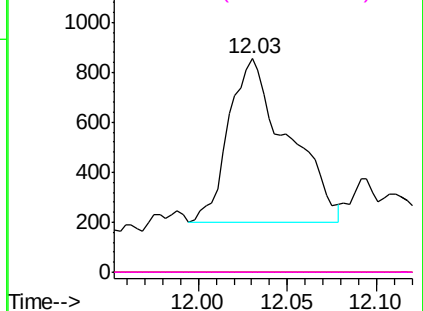


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 31.313 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059809.D

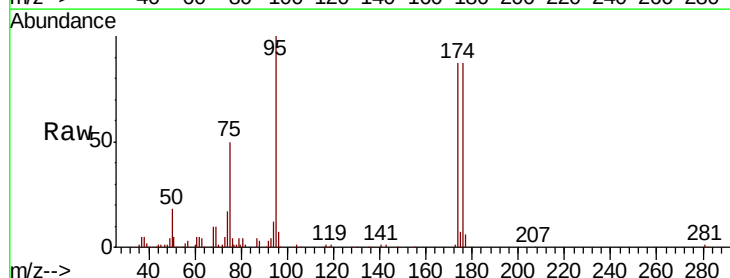
Acq: 21 Jan 2020 14:07

Tgt Ion: 75 Resp: 59656

Ion Ratio Lower Upper

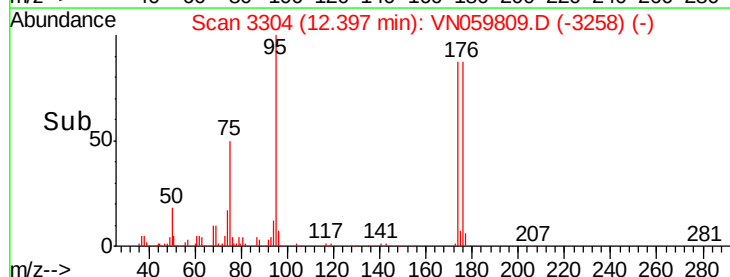
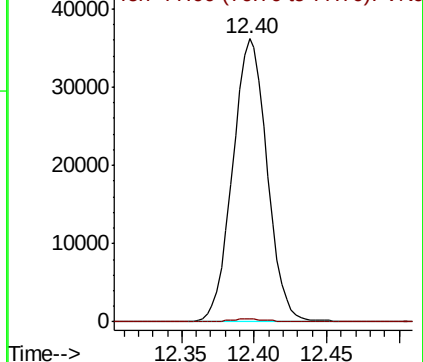
75 100

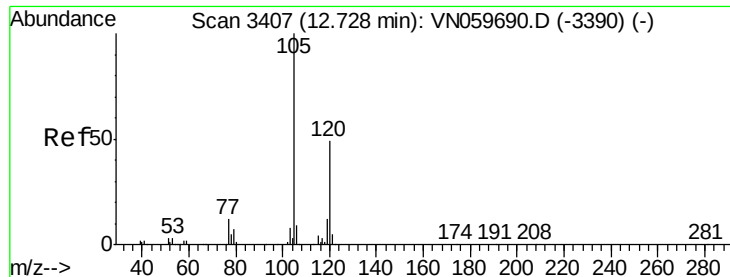
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#80

1,3,5-Trimethylbenzene

Concen: 0.229 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN059809.D

Acq: 21 Jan 2020 14:07

Instrument :

MSVOA_N

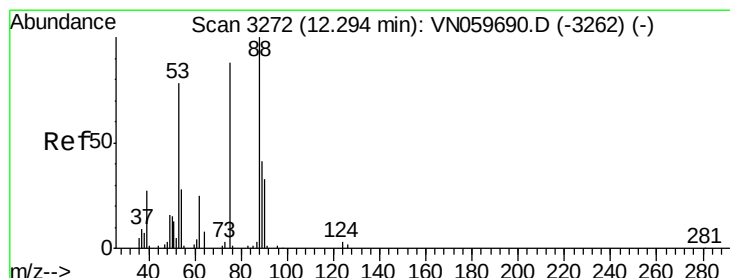
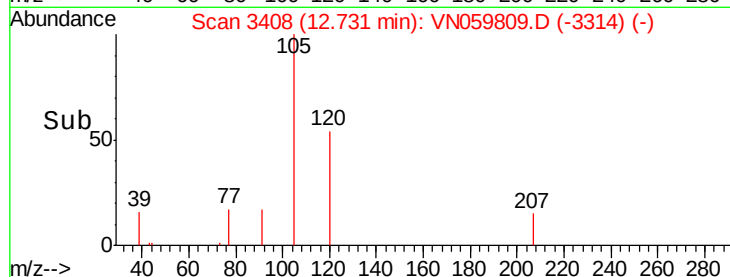
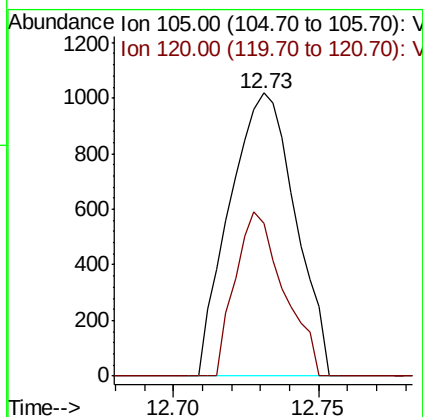
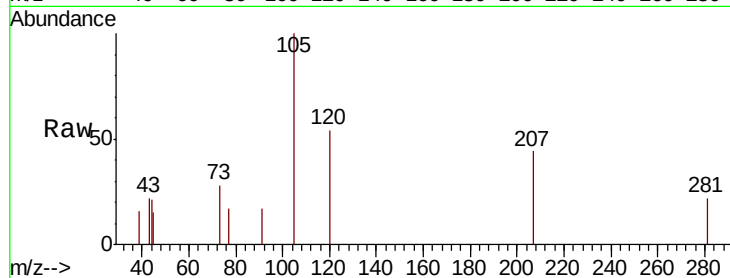
ClientSampleId :

Tot Ion:105 Resp: 1599

Ion Ratio Lower Upper

105 100

120 42.8 24.1 72.4



#81

trans-1,4-Dichloro-2-butene

Concen: 67.246 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN059809.D

Acq: 21 Jan 2020 14:07

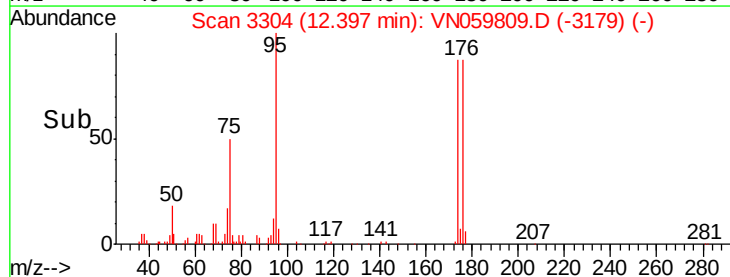
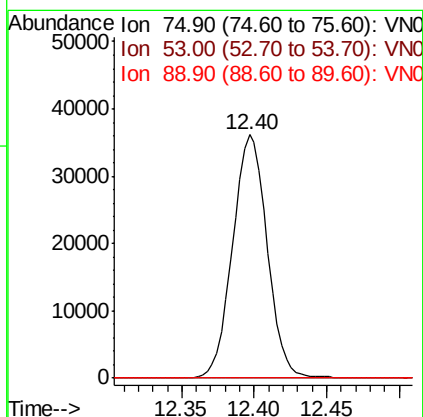
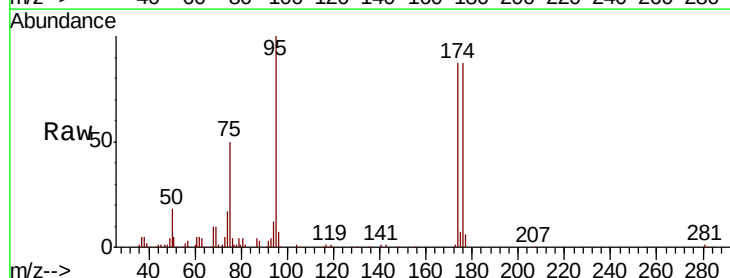
Tgt Ion: 75 Resp: 59656

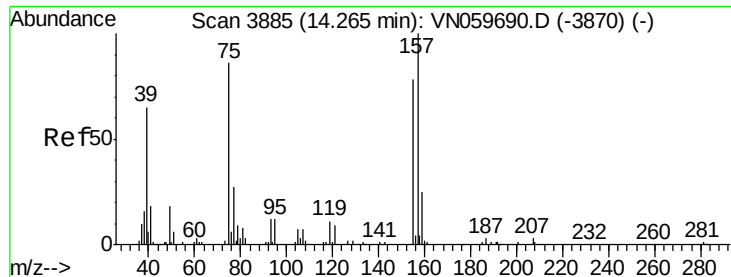
Ion Ratio Lower Upper

75 100

53 0.0 78.1 117.1#

89 0.0 35.4 53.2#





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.33 min Scan# 3904

Delta R.T. 0.06 min

Lab File: VN059809.D

Acq: 21 Jan 2020 14:07

Instrument :

MSVOA_N

ClientSampleId :

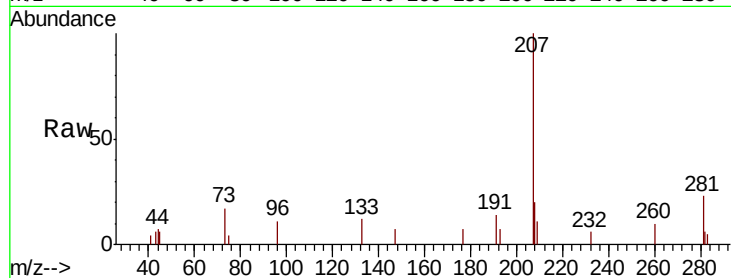
Tot Ion: 75 Resp: 30

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): VN059809.D (-3791) (-)

Ion 154.80 (154.50 to 155.50): VN059809.D (-3791) (-)

Ion 156.80 (156.50 to 157.50): VN059809.D (-3791) (-)

