

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN012020\
 Data File : VN059777.D
 Acq On : 20 Jan 2020 10:54
 Operator : JC/MD
 Sample : VN0120MBL01
 Misc : 5.00µ/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 21 01:14:35 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	207264	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	309917	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	258677	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	98145	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	108164	46.99	ug/l	0.00
Spiked Amount			Recovery	=	93.98%	
35) Dibromofluoromethane	7.56	113	94055	50.89	ug/l	0.00
Spiked Amount			Recovery	=	101.78%	
50) Toluene-d8	10.08	98	357493	49.92	ug/l	0.00
Spiked Amount			Recovery	=	99.84%	
62) 4-Bromofluorobenzene	12.40	95	110338	42.74	ug/l	0.00
Spiked Amount			Recovery	=	85.48%	

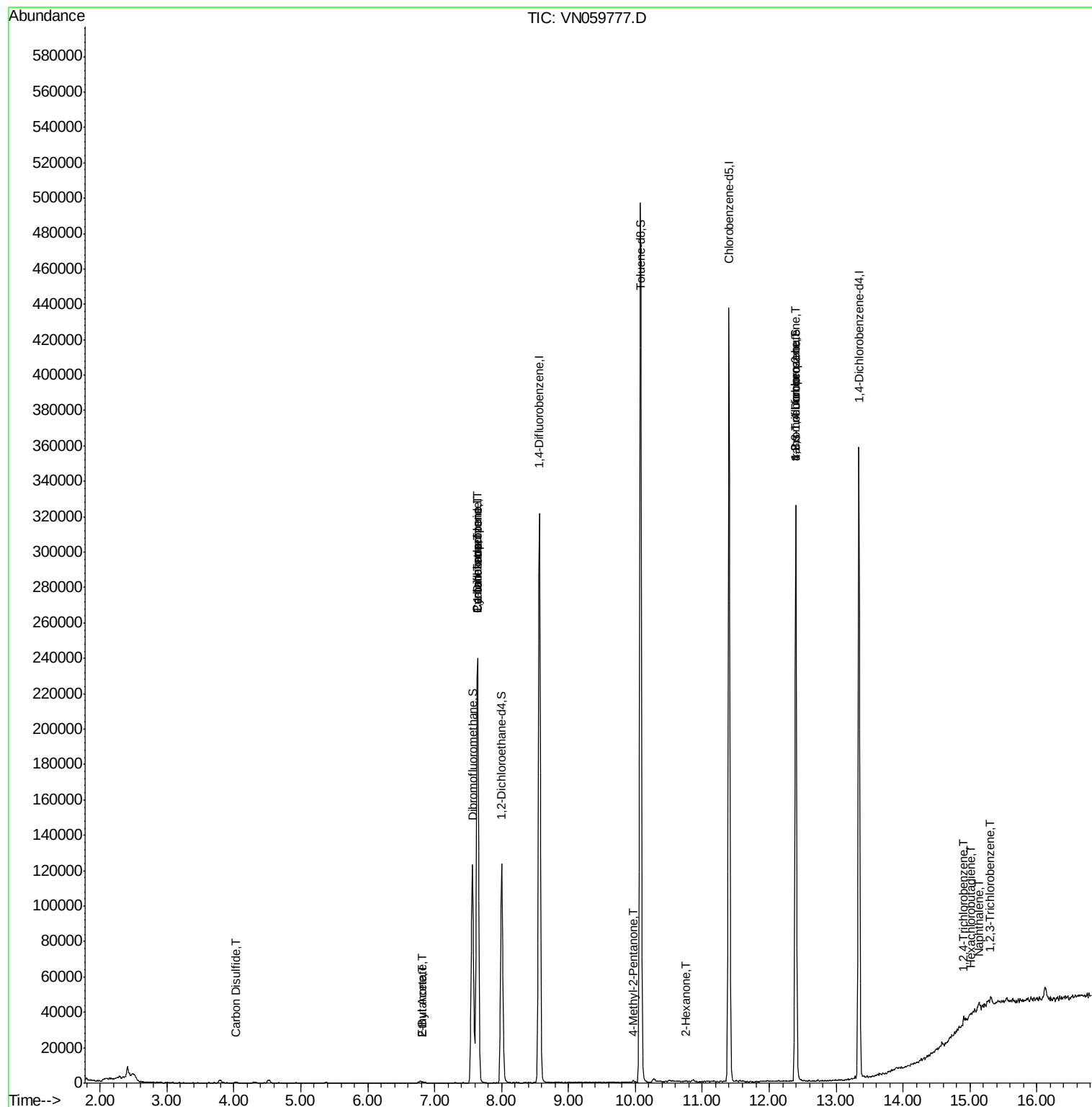
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	3194	Below Cal	#	86
17) Carbon Disulfide	4.03	76	1098	0.203	ug/l #	75
20) Methylene Chloride	4.52	84	1321	Below Cal		84
25) 2-Butanone	6.81	43	1220	0.936	ug/l #	50
31) Cyclohexane	7.63	56	4356	1.279	ug/l #	37
36) 1,1-Dichloropropene	7.64	75	14463	5.359	ug/l #	51
37) Ethyl Acetate	6.81	43	1220	0.482	ug/l #	69
38) Carbon Tetrachloride	7.64	117	18628	6.345	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	864	0.343	ug/l	92
59) 2-Hexanone	10.76	43	505	0.272	ug/l #	26
76) 1,2,3-Trichloropropane	12.40	75	55911	33.851	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	55911	72.695	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.26	75	60	Below Cal	#	6
93) 1,2,4-Trichlorobenzene	14.91	180	1065	0.566	ug/l	76
94) Hexachlorobutadiene	15.01	225	375	0.362	ug/l	84
95) Naphthalene	15.13	128	4666	0.872	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.31	180	1735	0.948	ug/l	88

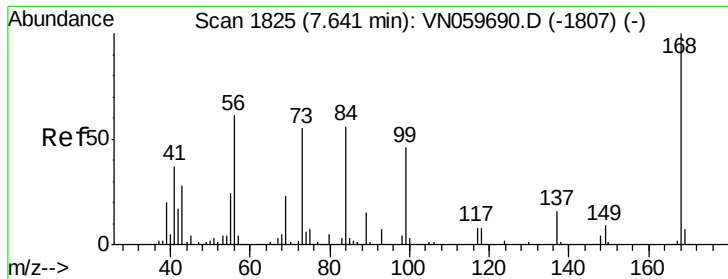
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 3 Sample Multiplier: 1

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ClientSampleId :

Quant Time: Jan 21 01:14:35 2020
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# 1825

Delta R.T. 0.00 min

Lab File: VN059777.D

Acq: 20 Jan 2020 10:54

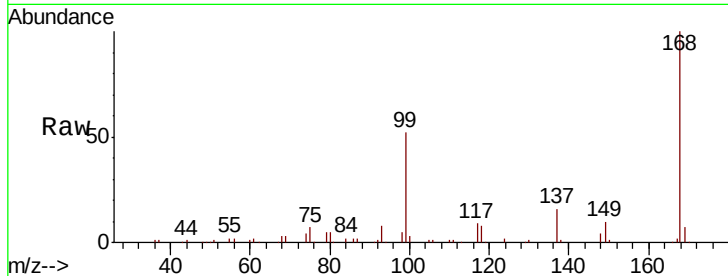
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 207264

Ion Ratio Lower Upper

168 100

99 52.3 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

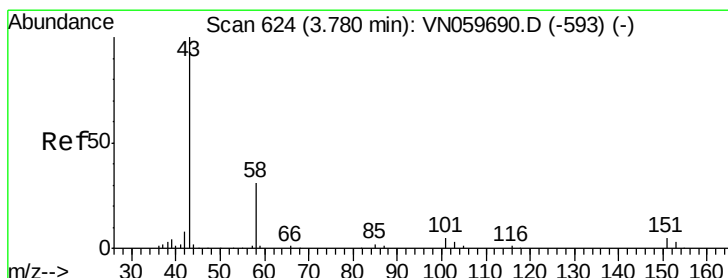
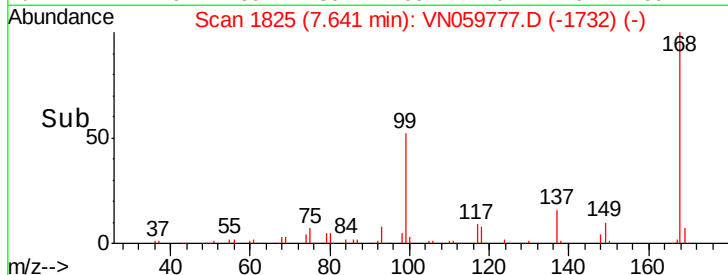
60000

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: VN059777.D

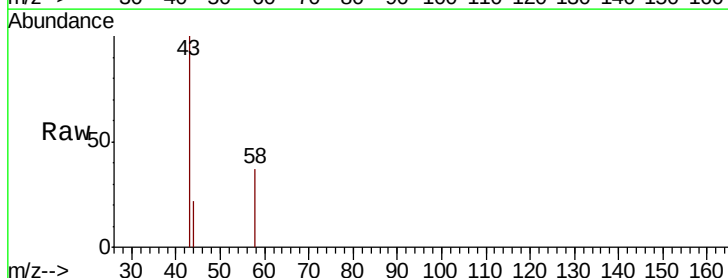
Acq: 20 Jan 2020 10:54

Tgt Ion: 43 Resp: 3194

Ion Ratio Lower Upper

43 100

58 37.0 23.6 35.4#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.79

1200

1000

800

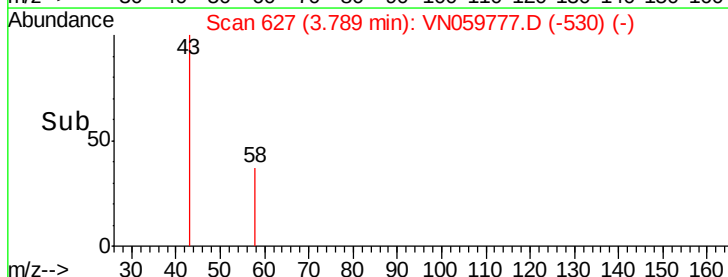
600

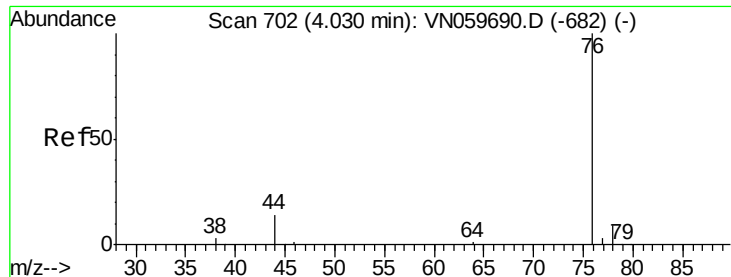
400

200

0

Time--> 3.75 3.80 3.85





#17

Carbon Disulfide

Concen: 0.203 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN059777.D

Acq: 20 Jan 2020 10:54

Instrument :

MSVOA_N

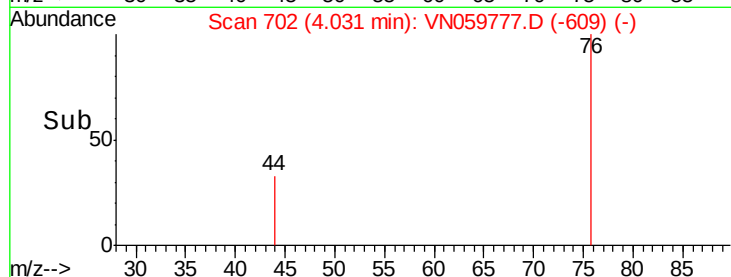
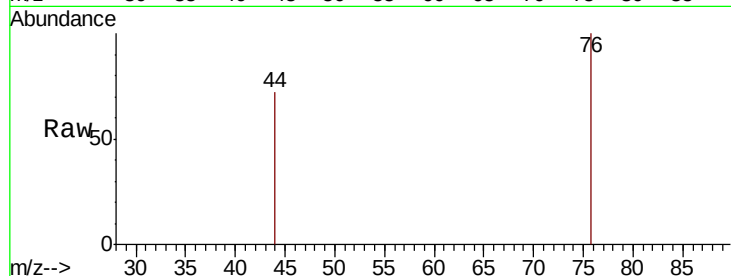
ClientSampled :

Tot Ion: 76 Resp: 1098

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.03

500

400

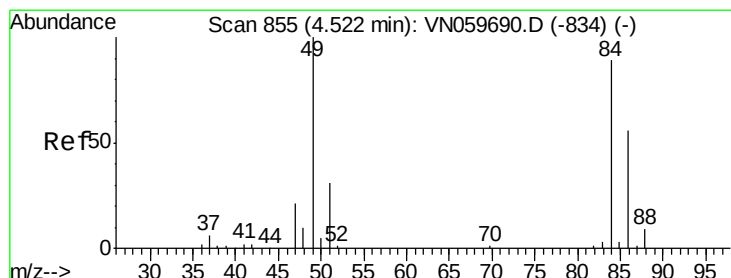
300

200

100

0

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.52 min Scan# 855

Delta R.T. 0.00 min

Lab File: VN059777.D

Acq: 20 Jan 2020 10:54

Tgt Ion: 84 Resp: 1321

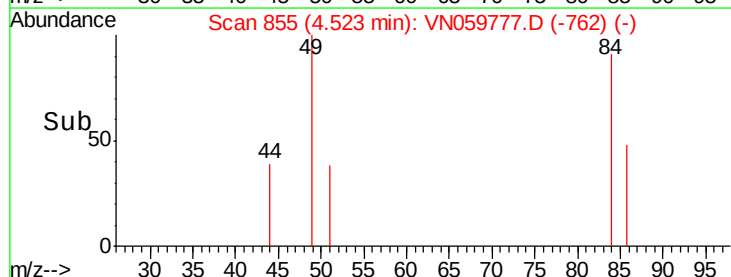
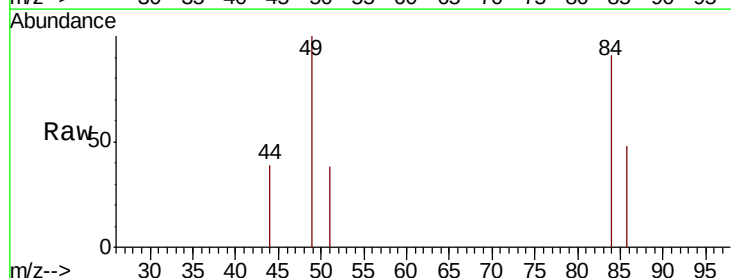
Ion Ratio Lower Upper

84 100

49 109.3 106.6 160.0

51 41.4 31.9 47.9

86 52.1 50.8 76.2



Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

800

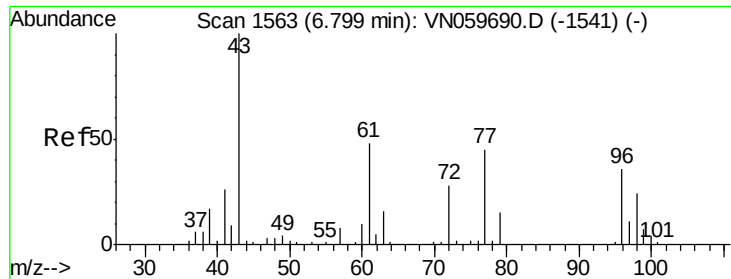
600

400

200

0

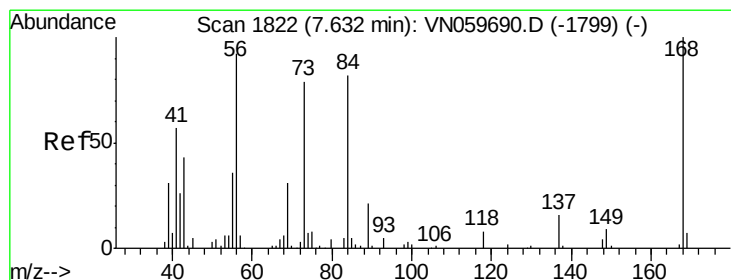
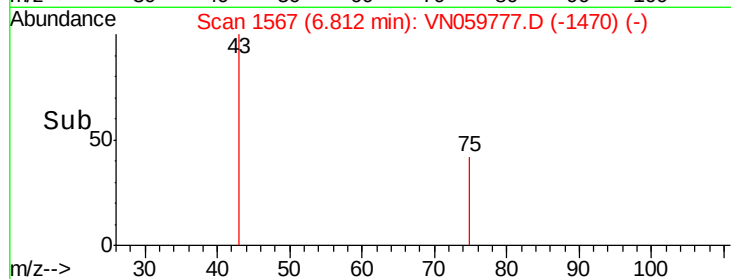
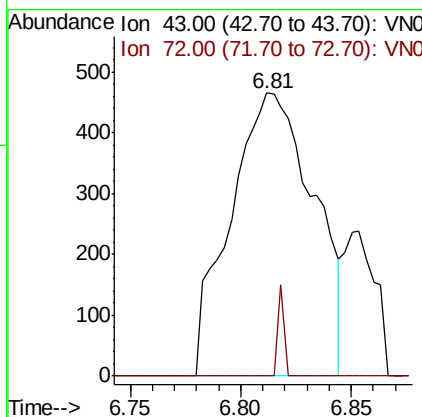
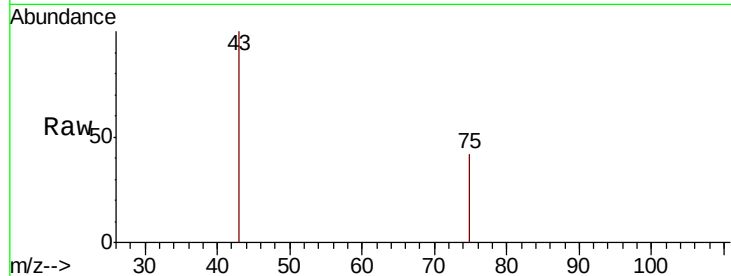
Time-->



#25
2-Butanone
Concen: 0.936 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. 0.01 min
Lab File: VN059777.D
Acq: 20 Jan 2020 10:54

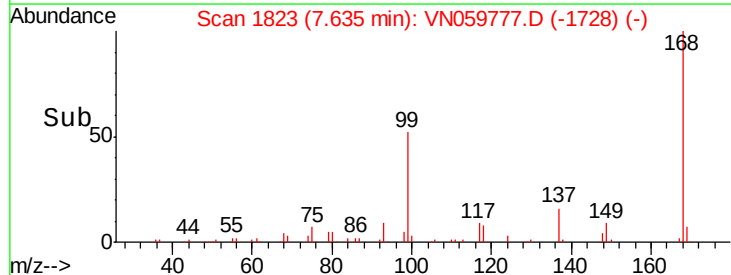
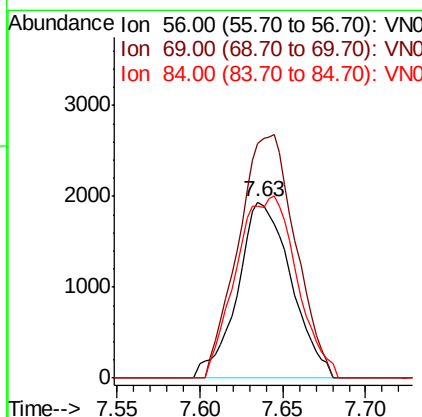
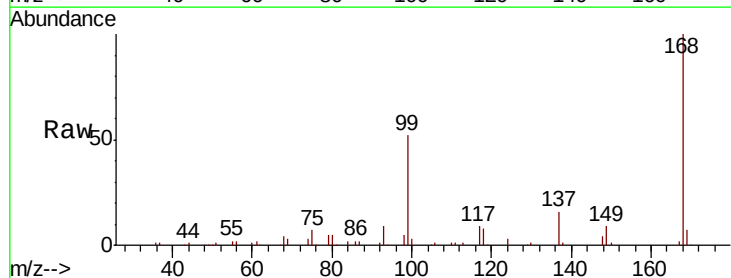
Instrument :
MSVOA_N
ClientSampled :

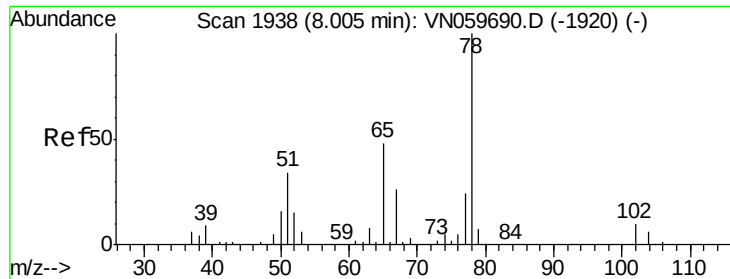
Tot Ion: 43 Resp: 1220
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#



#31
Cyclohexane
Concen: 1.279 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN059777.D
Acq: 20 Jan 2020 10:54

Tgt Ion: 56 Resp: 4356
Ion Ratio Lower Upper
56 100
69 132.8 26.5 39.7#
84 97.4 65.3 97.9

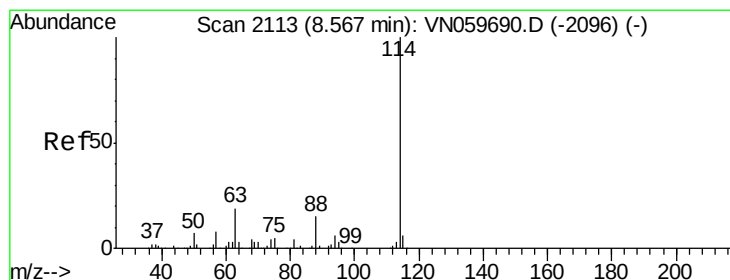
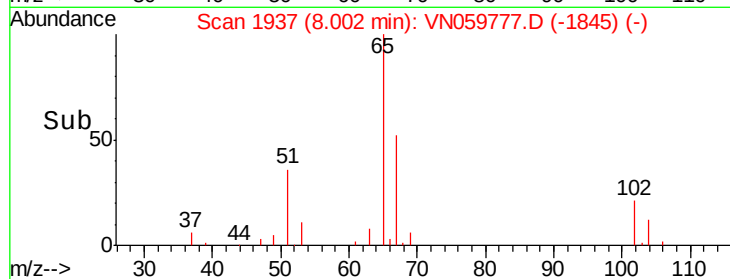
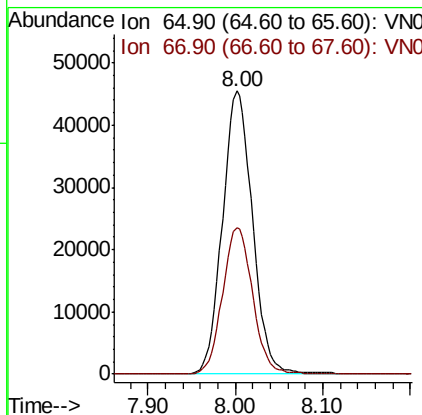
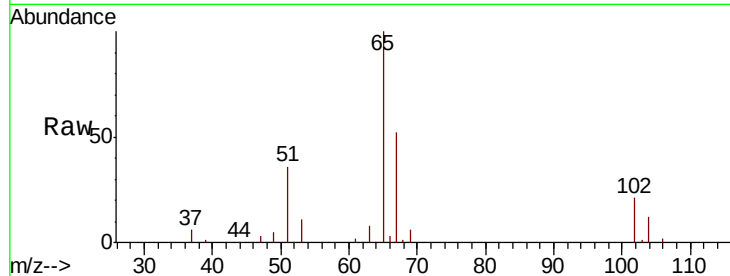




#33
 1,2-Dichloroethane-d4
 Concen: 46.993 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059777.D
 Acq: 20 Jan 2020 10:54

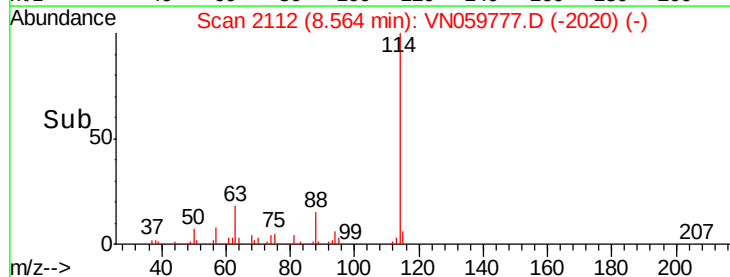
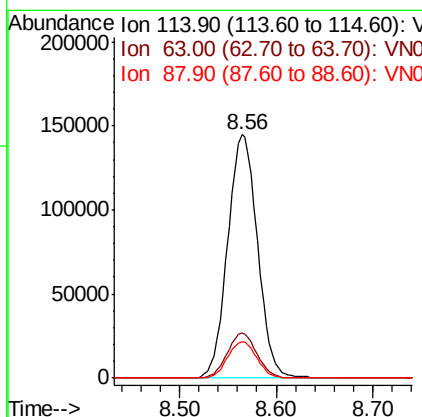
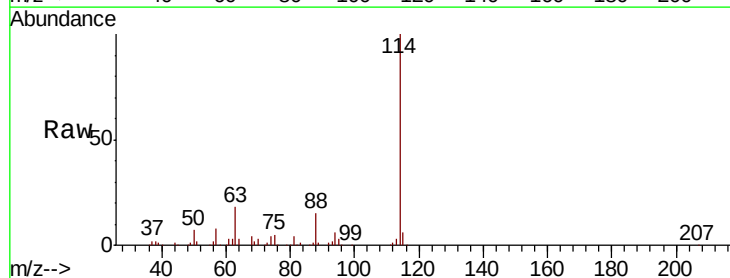
Instrument :
 MSVOA_N
 ClientSampled :

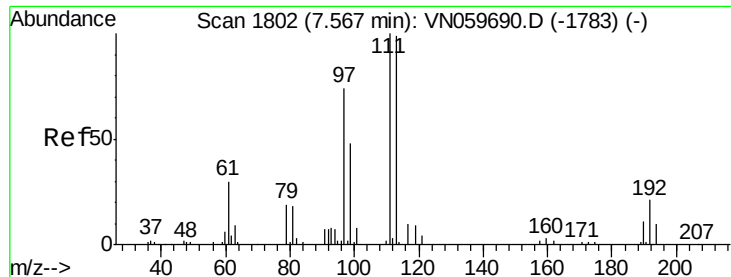
Tot Ion: 65 Resp: 108164
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN059777.D
 Acq: 20 Jan 2020 10:54

Tgt Ion:114 Resp: 309917
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 43.6
 88 15.0 0.0 31.4

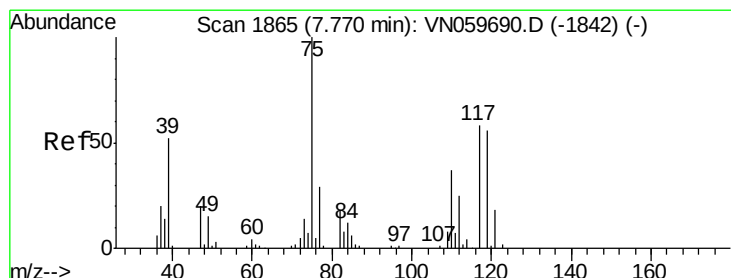
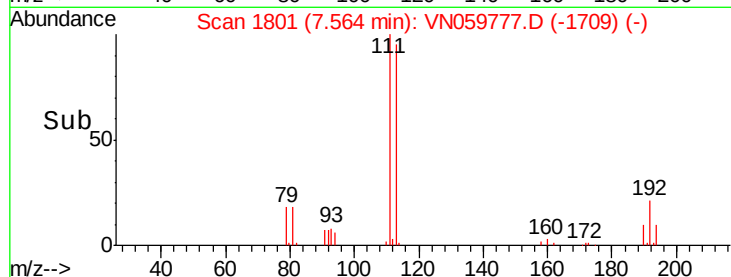
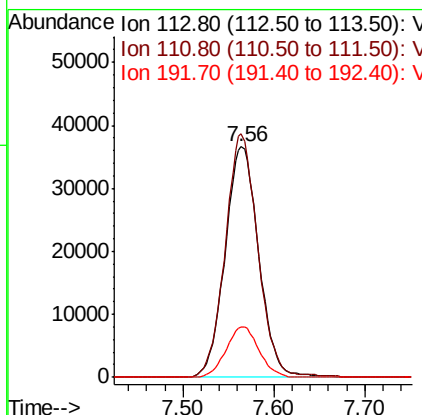
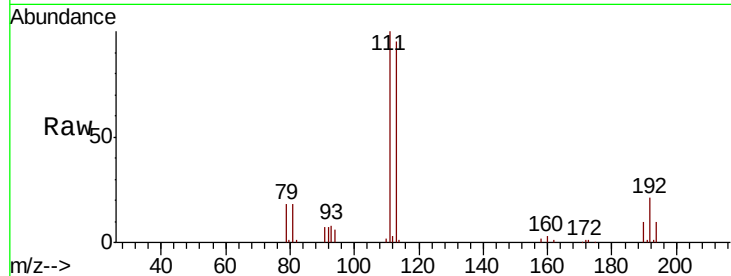




#35
 Dibromofluoromethane
 Concen: 50.891 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN059777.D
 Acq: 20 Jan 2020 10:54

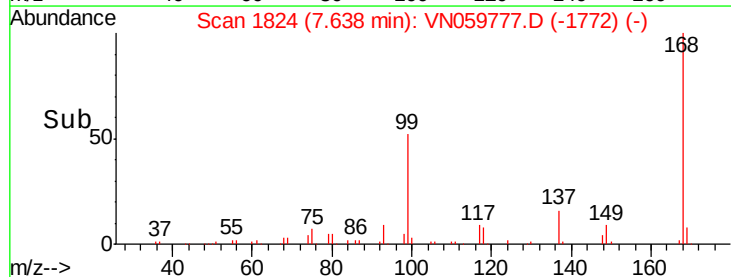
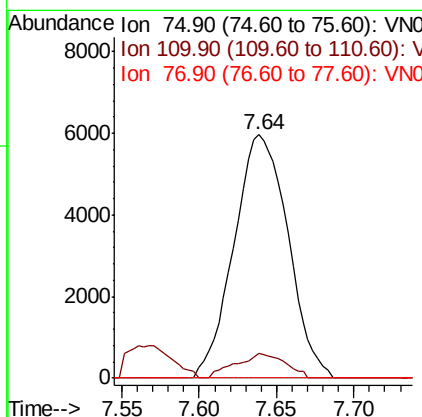
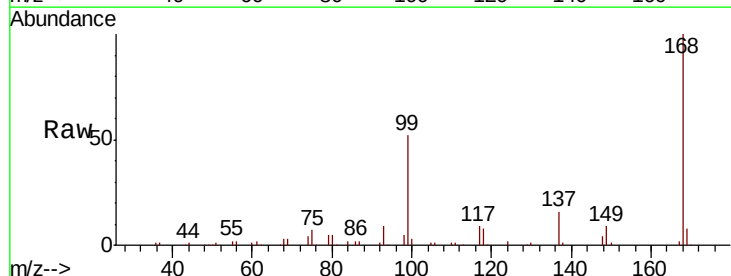
Instrument :
 MSVOA_N
 ClientSampled :

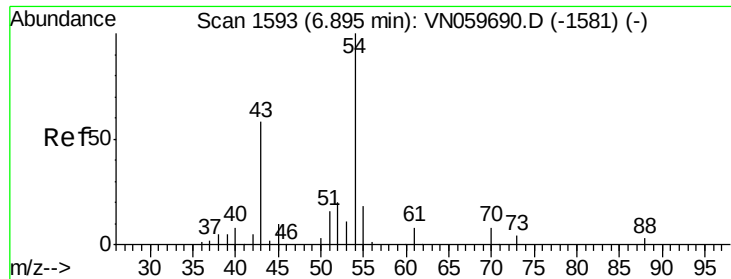
Tot Ion:113 Resp: 94055
 Ion Ratio Lower Upper
 113 100
 111 102.2 83.5 125.3
 192 21.4 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 5.359 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN059777.D
 Acq: 20 Jan 2020 10:54

Tgt Ion: 75 Resp: 14463
 Ion Ratio Lower Upper
 75 100
 110 9.3 16.6 49.7#
 77 0.0 25.1 37.7#

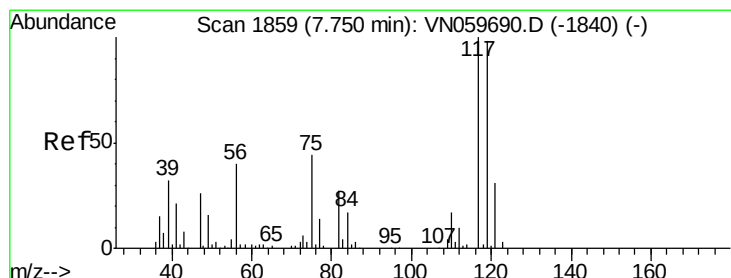
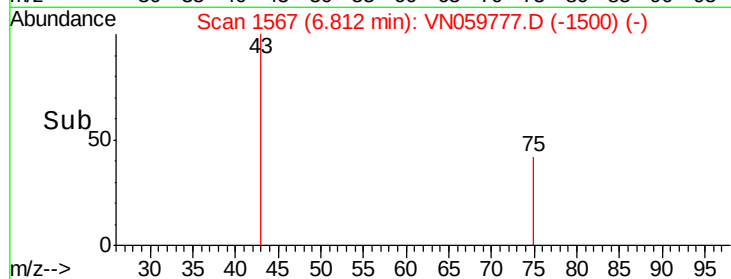
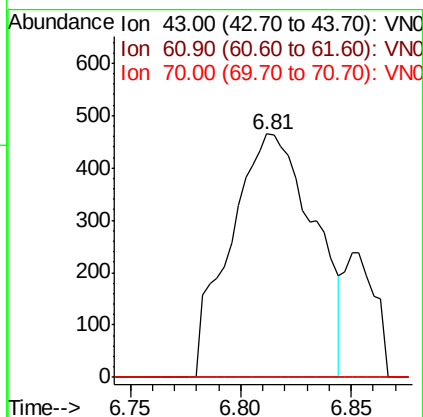
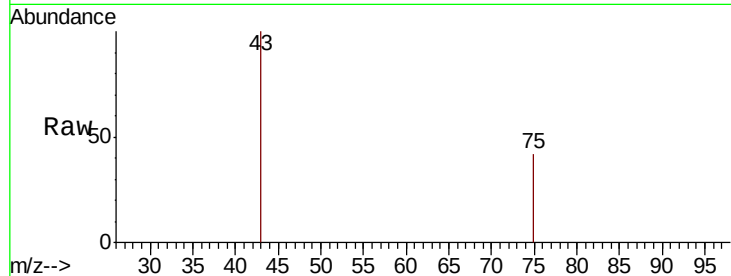




#37
Ethyl Acetate
Concen: 0.482 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. -0.08 min
Lab File: VN059777.D
Acq: 20 Jan 2020 10:54

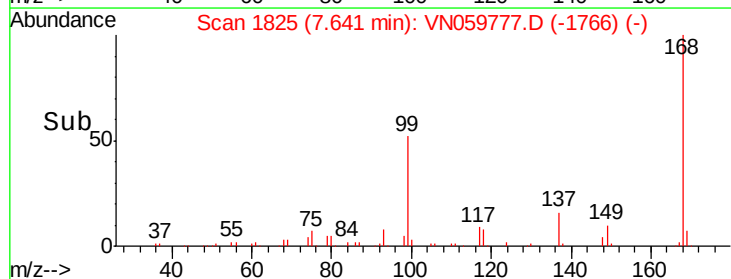
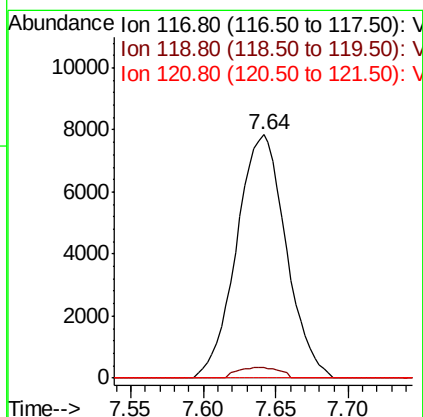
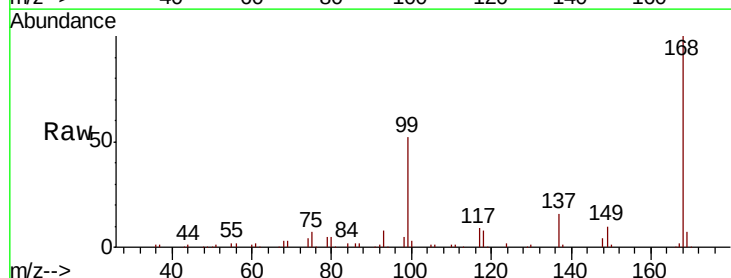
Instrument :
MSVOA_N
ClientSampled :

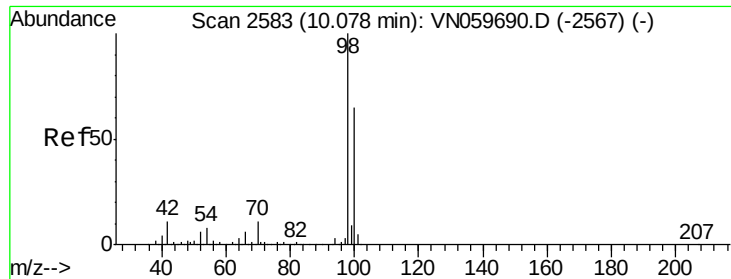
Tot Ion: 43 Resp: 1220
Ion Ratio Lower Upper
43 100
61 0.0 10.9 16.3#
70 0.0 7.7 11.5#



#38
Carbon Tetrachloride
Concen: 6.345 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN059777.D
Acq: 20 Jan 2020 10:54

Tgt Ion: 117 Resp: 18628
Ion Ratio Lower Upper
117 100
119 4.3 76.5 114.7#
121 0.0 25.1 37.7#





#50

Toluene-d8

Concen: 49.924 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN059777.D

Acq: 20 Jan 2020 10:54

Instrument :

MSVOA_N

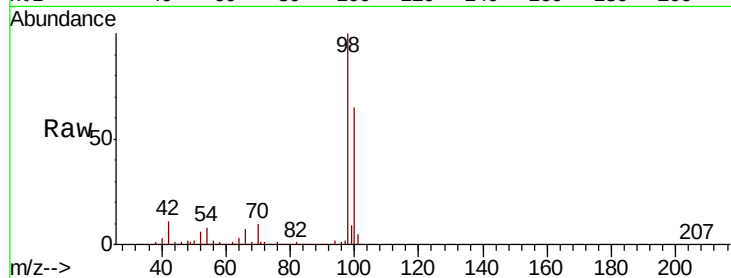
ClientSampled :

Tot Ion: 98 Resp: 357493

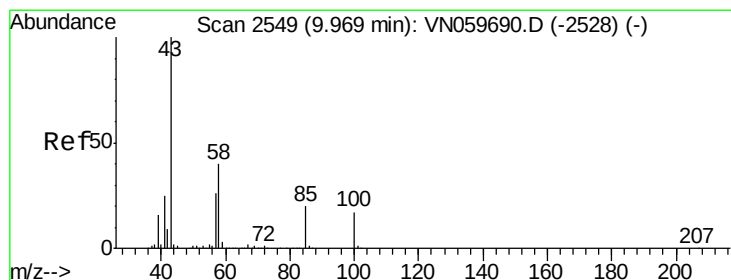
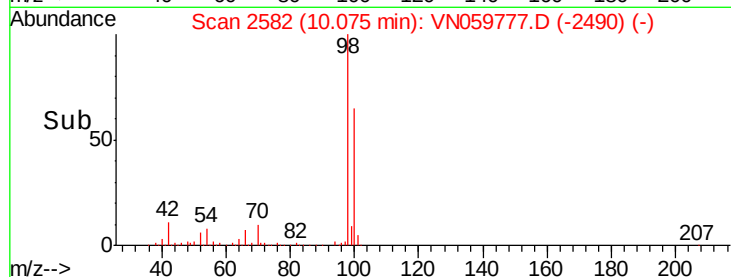
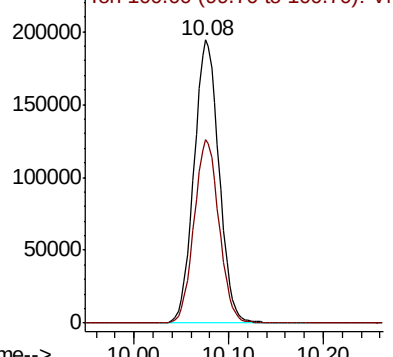
Ion Ratio Lower Upper

98 100

100 64.6 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN059690.D (-2567) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.343 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN059777.D

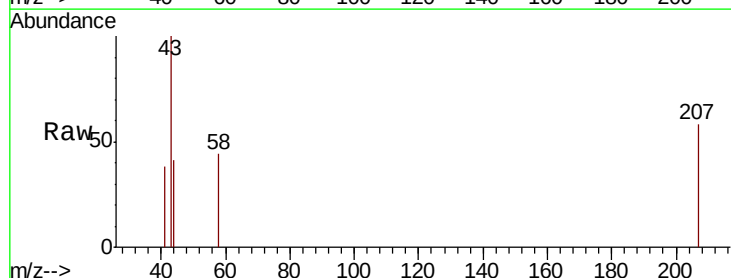
Acq: 20 Jan 2020 10:54

Tgt Ion: 43 Resp: 864

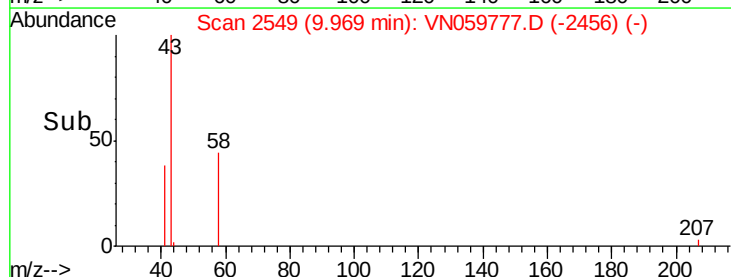
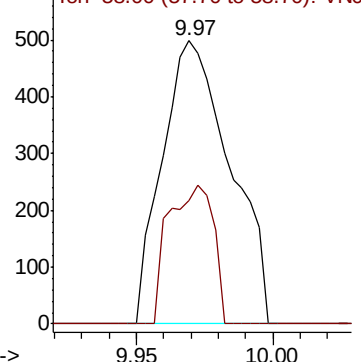
Ion Ratio Lower Upper

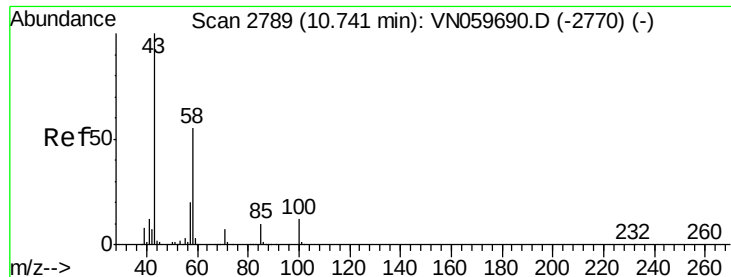
43 100

58 32.3 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VN059690.D (-2528) (-)

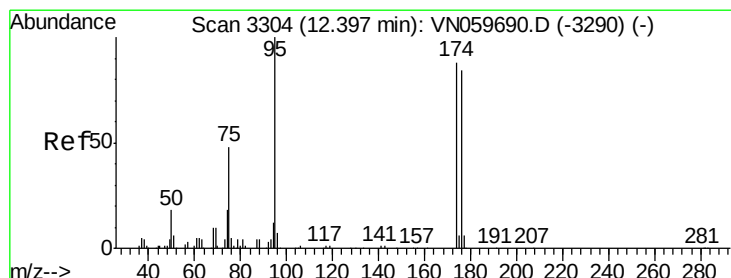
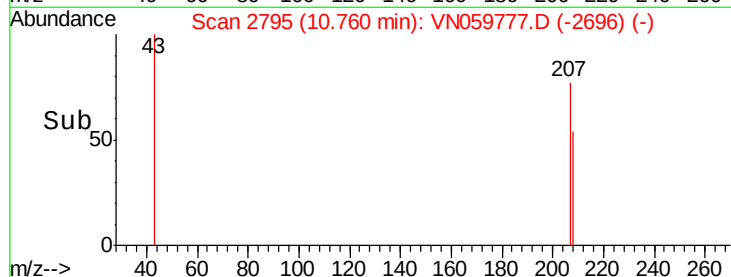
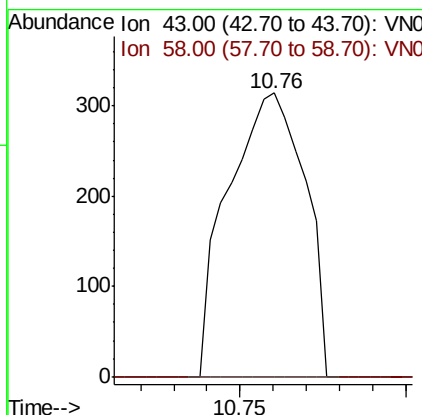
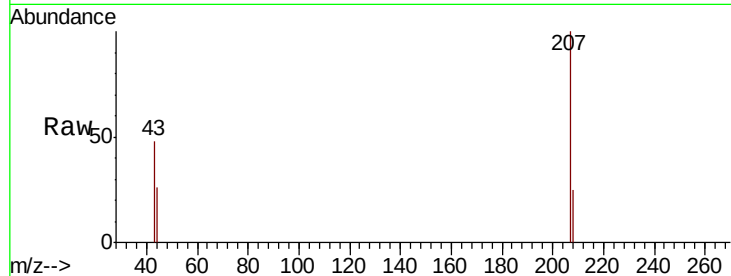




#59
2-Hexanone
Concen: 0.272 ug/l
RT: 10.76 min Scan# 2795
Delta R.T. 0.02 min
Lab File: VN059777.D
Acq: 20 Jan 2020 10:54

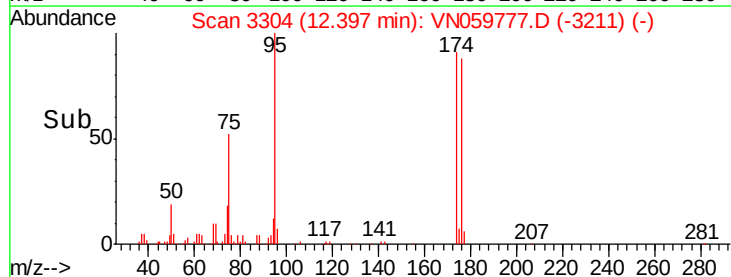
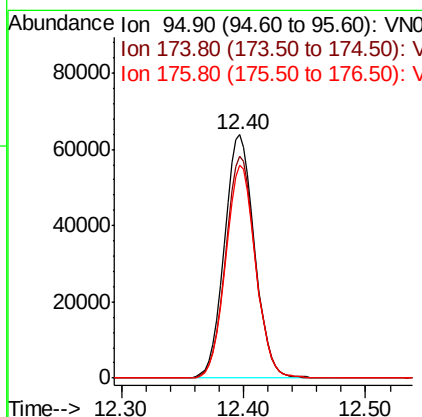
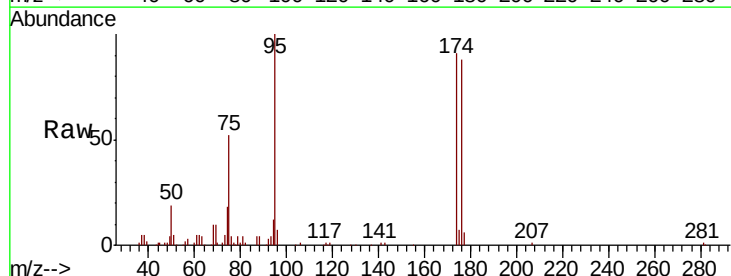
Instrument :
MSVOA_N
ClientSampleId :

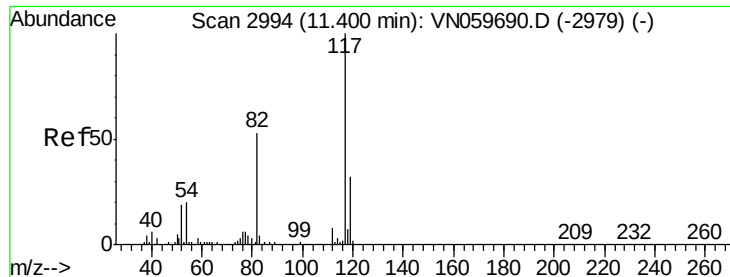
Tot Ion: 43 Resp: 505
Ion Ratio Lower Upper
43 100
58 0.0 25.8 77.3#



#62
4-Bromofluorobenzene
Concen: 42.743 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN059777.D
Acq: 20 Jan 2020 10:54

Tgt Ion: 95 Resp: 110338
Ion Ratio Lower Upper
95 100
174 90.4 0.0 151.4
176 87.2 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: VN059777.D

Acq: 20 Jan 2020 10:54

Instrument :

MSVOA_N

ClientSampled :

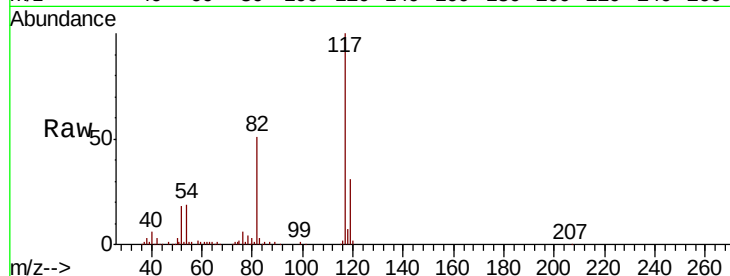
Tot Ion:117 Resp: 258677

Ion Ratio Lower Upper

117 100

82 51.1 45.9 68.9

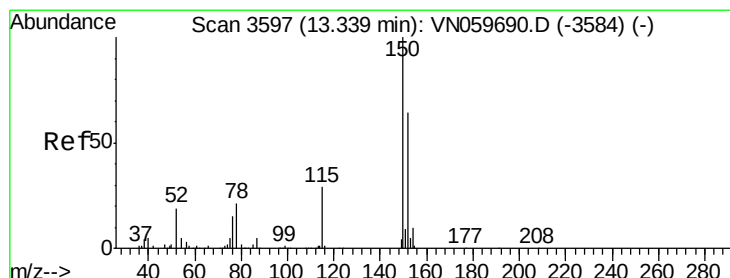
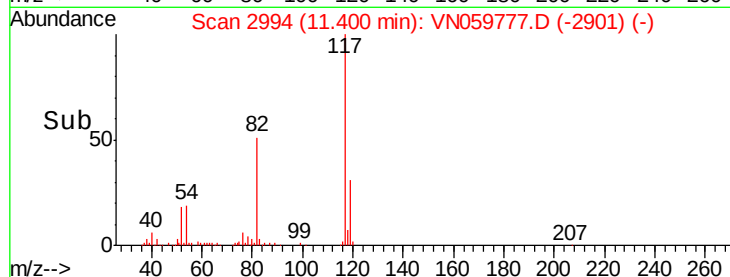
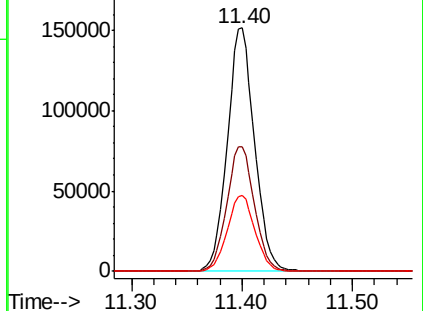
119 31.4 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN059777.D

Acq: 20 Jan 2020 10:54

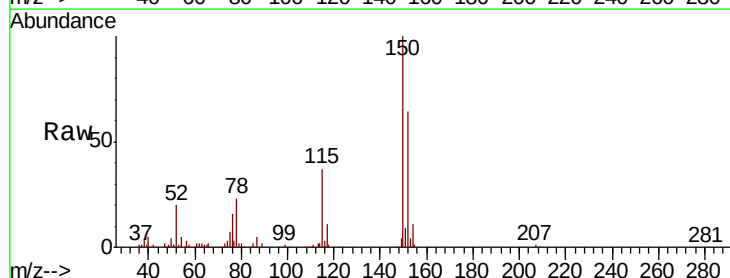
Tgt Ion:152 Resp: 98145

Ion Ratio Lower Upper

152 100

115 58.0 30.3 90.9

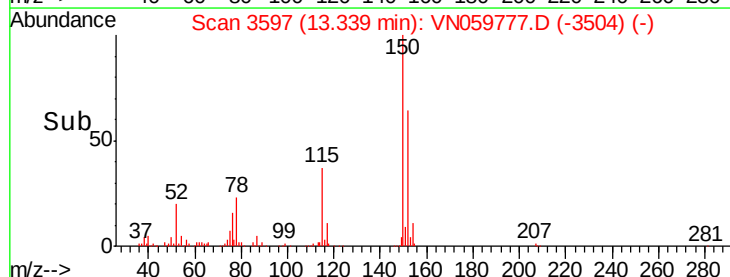
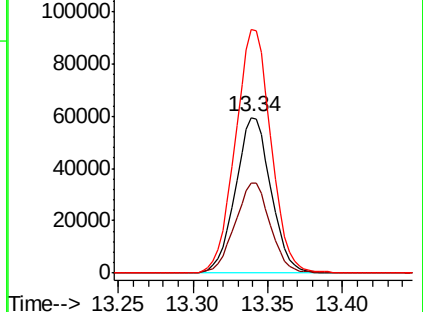
150 158.2 0.0 345.2

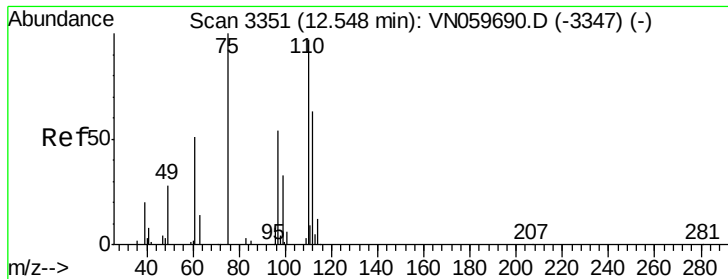


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 33.851 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059777.D

Acq: 20 Jan 2020 10:54

Instrument :

MSVOA_N

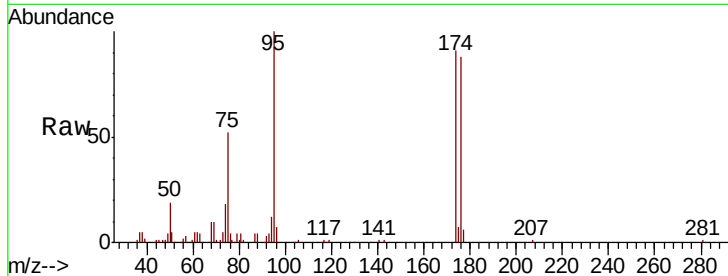
ClientSampleId :

Tot Ion: 75 Resp: 55911

Ion Ratio Lower Upper

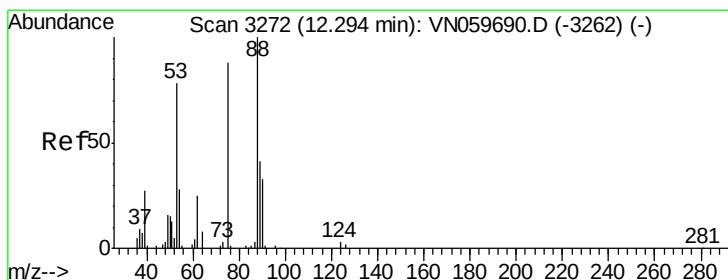
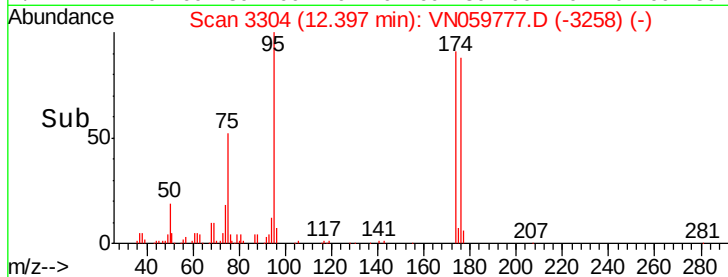
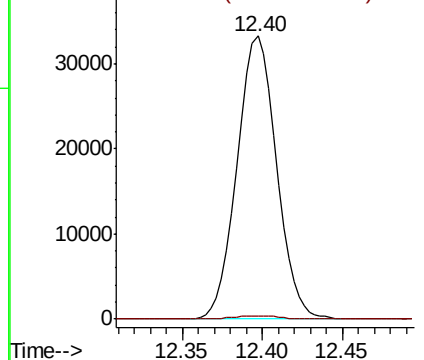
75 100

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



#81

trans-1,4-Dichloro-2-butene

Concen: 72.695 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN059777.D

Acq: 20 Jan 2020 10:54

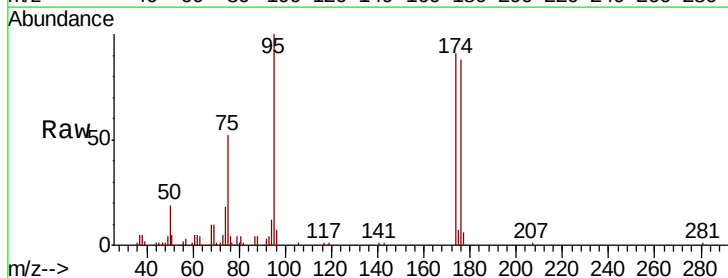
Tgt Ion: 75 Resp: 55911

Ion Ratio Lower Upper

75 100

53 0.0 78.1 117.1#

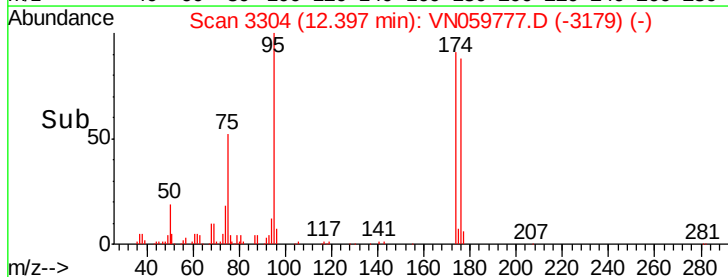
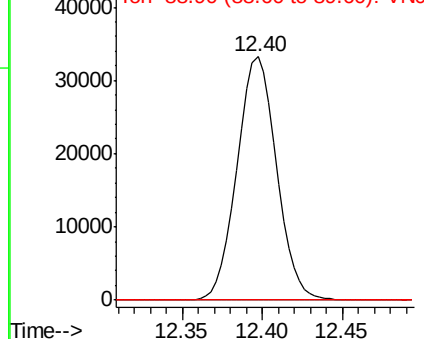
89 0.0 35.4 53.2#

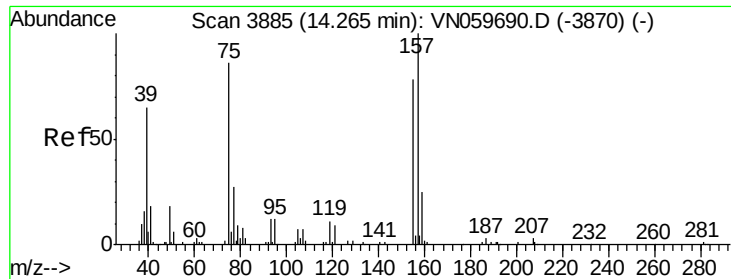


Abundance Ion 74.90 (74.60 to 75.60): VN0

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: 14.26 min Scan# 3884

Delta R.T. -0.00 min

Lab File: VN059777.D

Acq: 20 Jan 2020 10:54

Instrument :

MSVOA_N

ClientSampled :

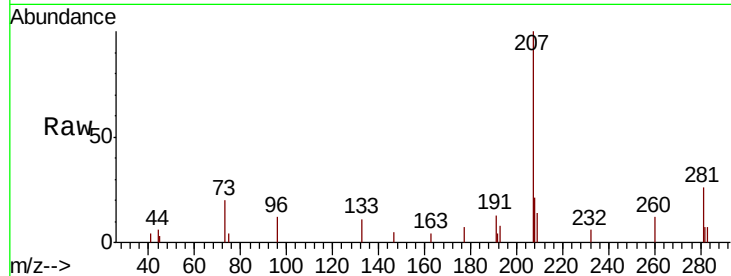
Tot Ion: 75 Resp: 60

Ion Ratio Lower Upper

75 100

155 0.0 37.0 110.9#

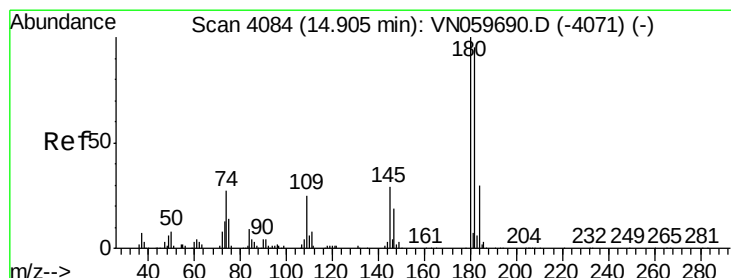
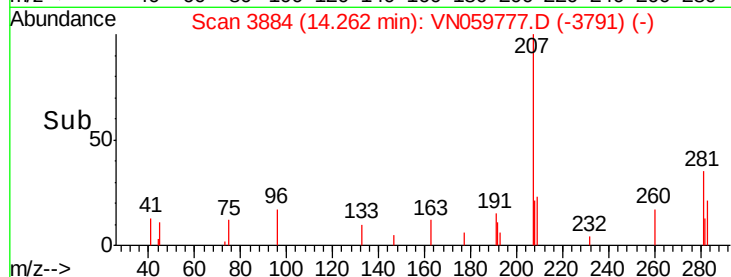
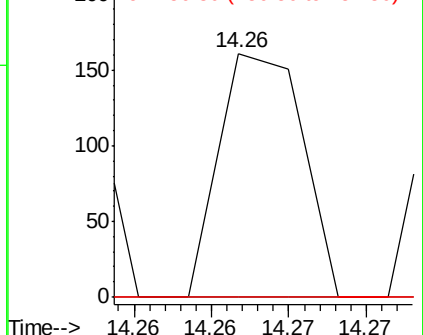
157 0.0 48.4 145.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 0.566 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.01 min

Lab File: VN059777.D

Acq: 20 Jan 2020 10:54

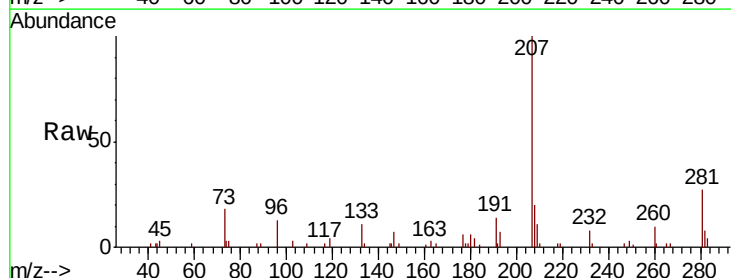
Tgt Ion: 180 Resp: 1065

Ion Ratio Lower Upper

180 100

182 67.9 46.9 140.7

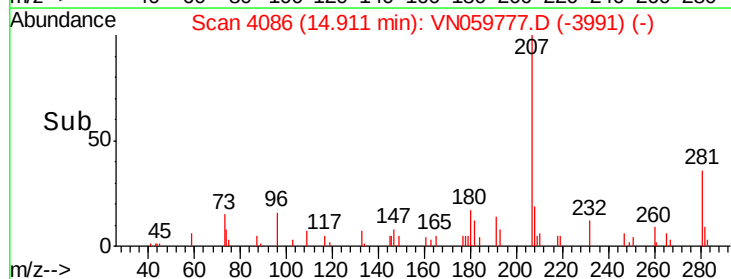
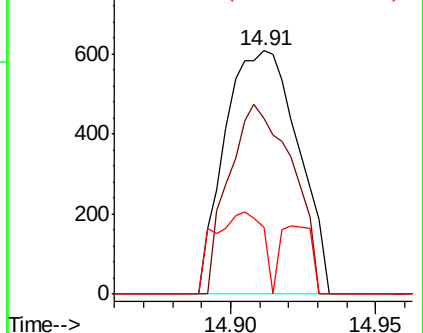
145 22.4 15.0 45.1

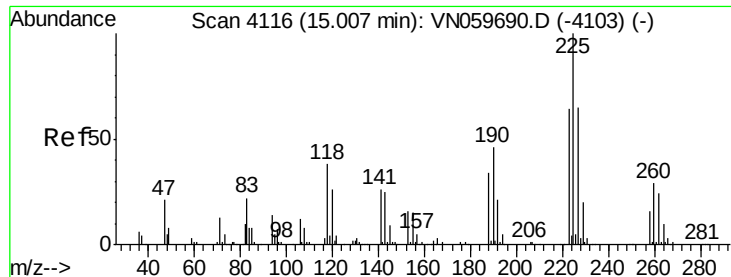


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 0.362 ug/l

RT: 15.01 min Scan# 4118

Delta R.T. 0.01 min

Lab File: VN059777.D

Acq: 20 Jan 2020 10:54

Instrument :

MSVOA_N

ClientSampleId :

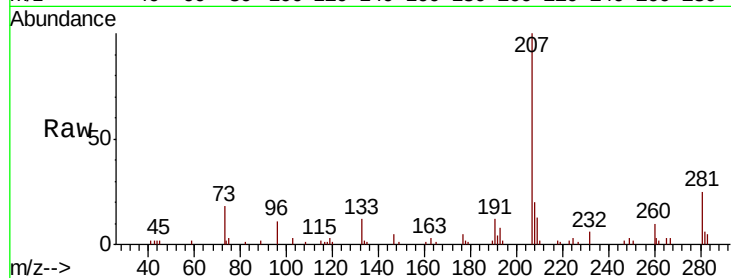
Tot Ion:225 Resp: 375

Ion Ratio Lower Upper

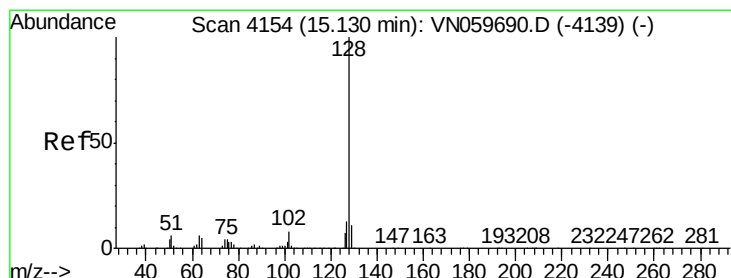
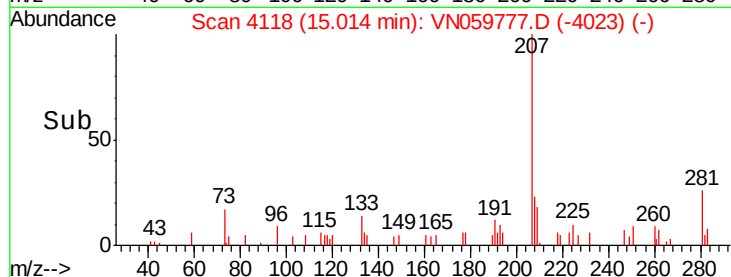
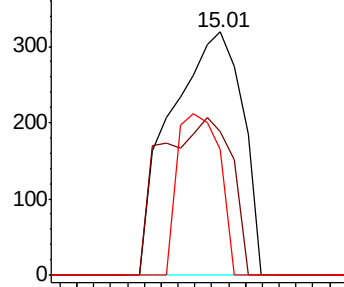
225 100

223 63.7 31.8 95.3

227 39.7 32.1 96.5



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 0.872 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN059777.D

Acq: 20 Jan 2020 10:54

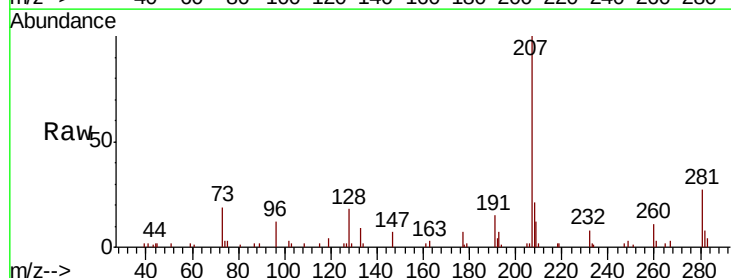
Tgt Ion:128 Resp: 4666

Ion Ratio Lower Upper

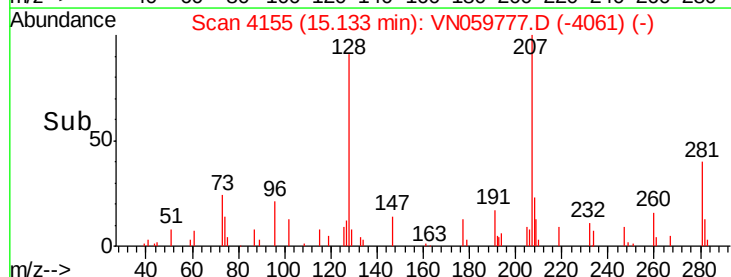
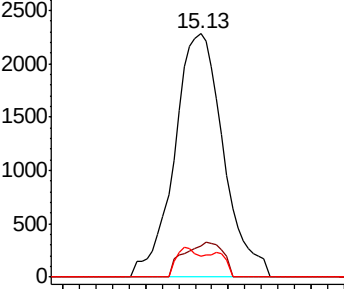
128 100

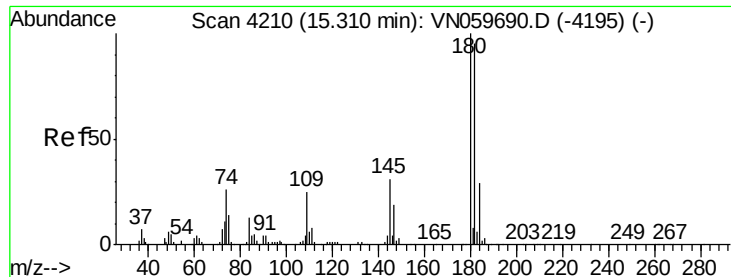
127 11.7 10.4 15.6

129 5.7 8.6 12.8#



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

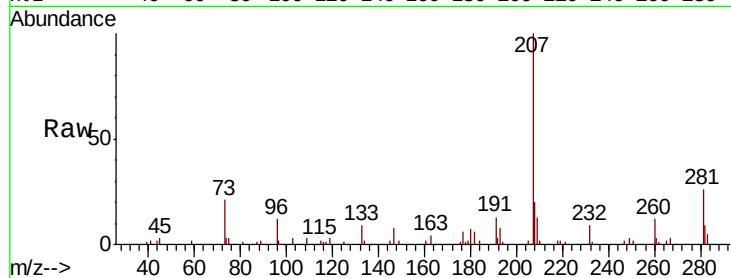




#96
 1,2,3-Trichlorobenzene
 Concen: 0.948 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. 0.00 min
 Lab File: VN059777.D
 Acq: 20 Jan 2020 10:54

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	80.7	47.4	142.3
145	34.8	16.3	48.9



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

