

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111219\
 Data File : VN059177.D
 Acq On : 12 Nov 2019 10:20
 Operator : JC/SP
 Sample : VN1112WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 13 05:36:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	415051	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	651251	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	565851	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	196510	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	278486	54.58	ug/l	0.00
Spiked Amount			Recovery	=	109.16%	
35) Dibromofluoromethane	7.57	113	213306	54.85	ug/l	0.00
Spiked Amount			Recovery	=	109.70%	
50) Toluene-d8	10.08	98	801757	52.34	ug/l	0.00
Spiked Amount			Recovery	=	104.68%	
62) 4-Bromofluorobenzene	12.40	95	247724	44.86	ug/l	0.00
Spiked Amount			Recovery	=	89.72%	

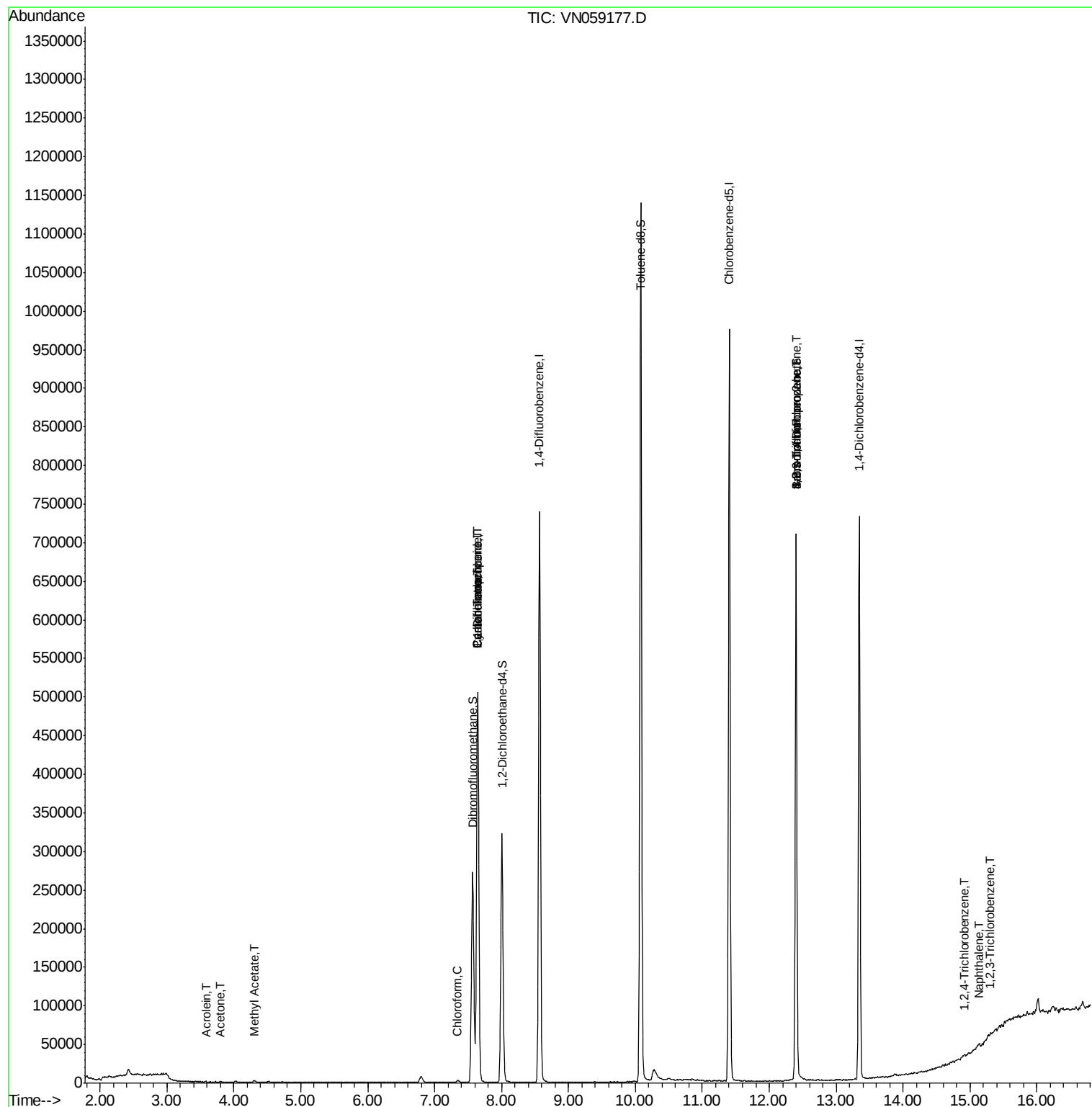
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.60	56	101	0.201	ug/l #	50
16) Acetone	3.80	43	541	0.204	ug/l #	44
18) Methyl Acetate	4.31	43	4283	0.680	ug/l	91
30) Chloroform	7.35	83	3270	0.406	ug/l	90
31) Cyclohexane	7.64	56	8438	1.062	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	32383	5.320	ug/l #	50
38) Carbon Tetrachloride	7.64	117	39991	6.600	ug/l #	17
71) Bromoform	12.40	173	719	0.223	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	124942	27.927	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	124942	73.763	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.92	180	709	3.228	ug/l	93
95) Naphthalene	15.13	128	2922	3.314	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.29	180	1527	0.450	ug/l #	71

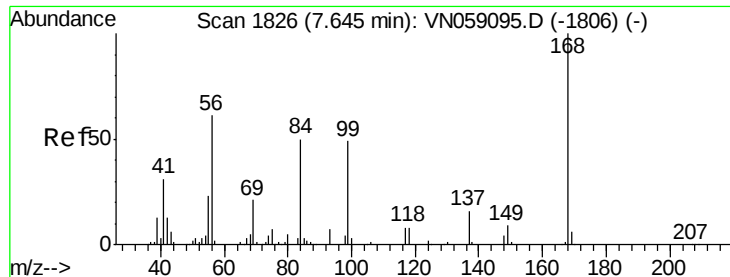
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111219\
Data File : VN059177.D
Acq On : 12 Nov 2019 10:20
Operator : JC/SP
Sample : VN1112WBL01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Nov 13 05:36:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 07 04:00:41 2019
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: VN059177.D

Acq: 12 Nov 2019 10:20

Instrument :

MSVOA_N

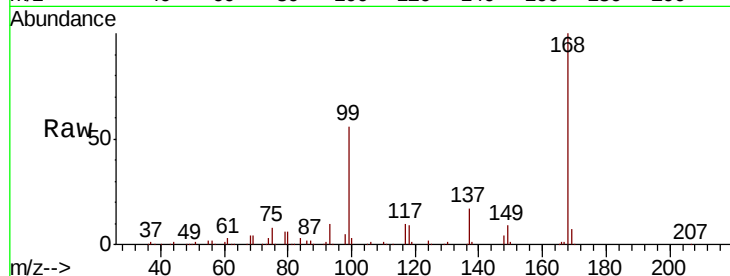
ClientSampled :

Tot Ion:168 Resp: 415051

Ion Ratio Lower Upper

168 100

99 56.0 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

200000

150000

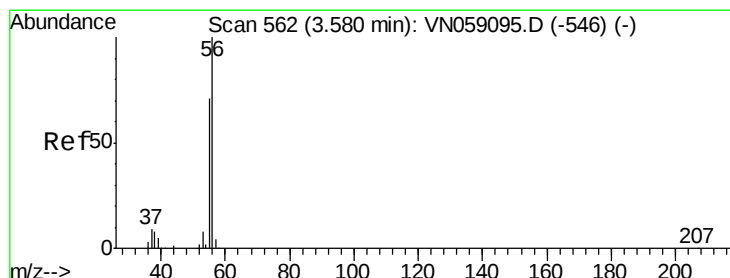
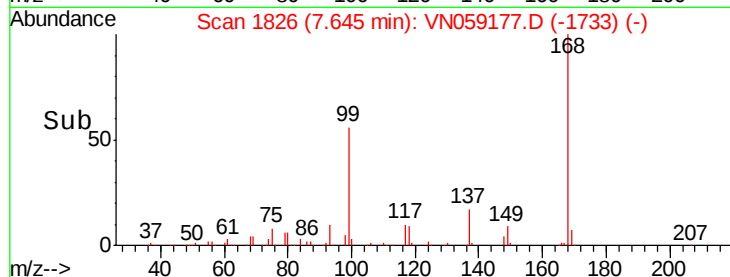
100000

50000

0

7.50 7.60 7.70

Time-->



#13

Acrolein

Concen: 0.201 ug/l

RT: 3.60 min Scan# 567

Delta R.T. 0.02 min

Lab File: VN059177.D

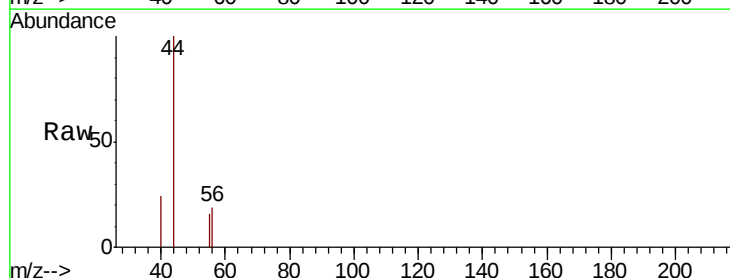
Acq: 12 Nov 2019 10:20

Tgt Ion: 56 Resp: 101

Ion Ratio Lower Upper

56 100

55 29.7 56.4 84.6#



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 55.00 (54.70 to 55.70): VN

200

150

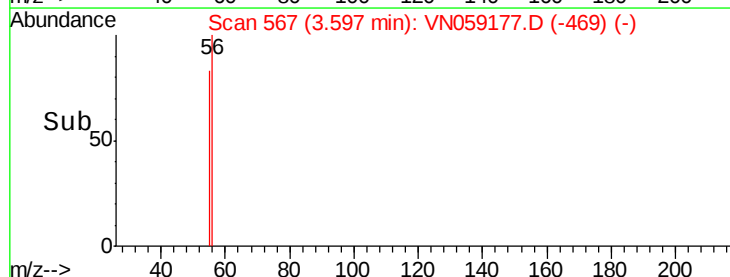
100

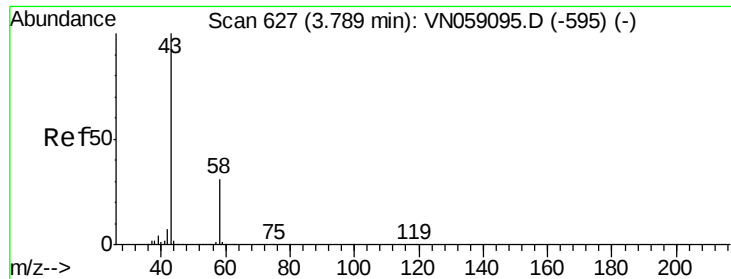
50

0

3.58 3.59 3.60 3.61

Time-->

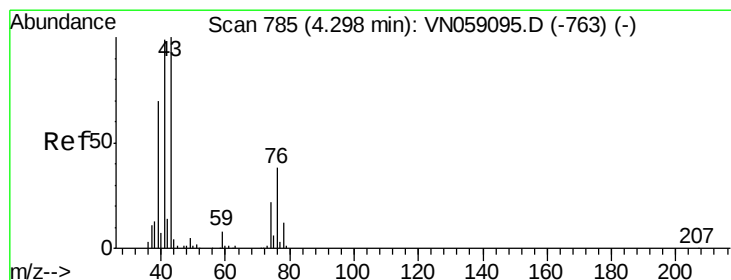
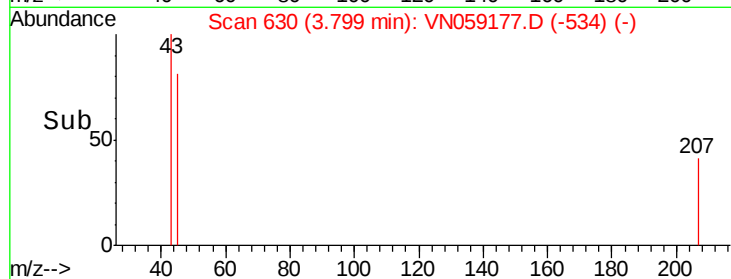
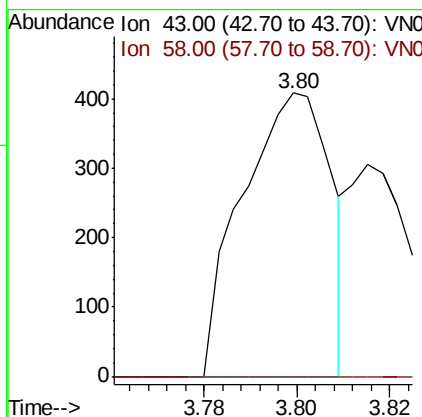
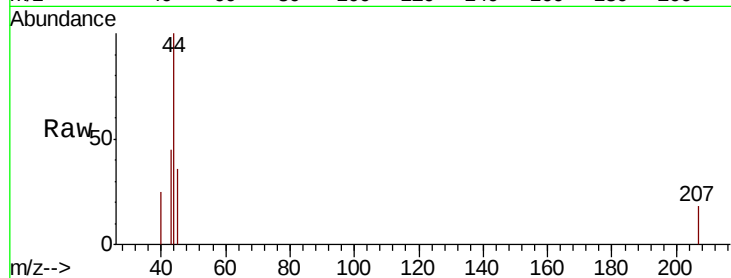




#16
Acetone
Concen: 0.204 ug/l
RT: 3.80 min Scan# 630
Delta R.T. 0.01 min
Lab File: VN059177.D
Acq: 12 Nov 2019 10:20

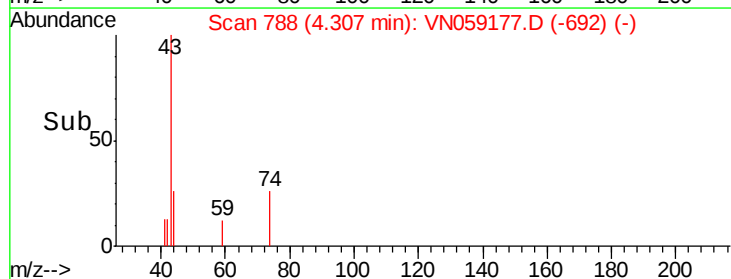
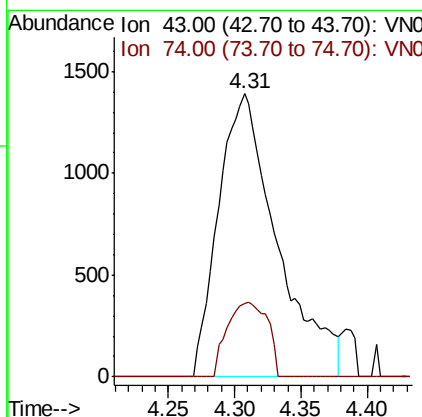
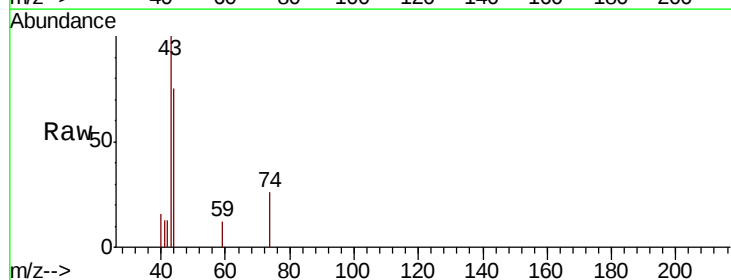
Instrument :
MSVOA_N
ClientSampled :

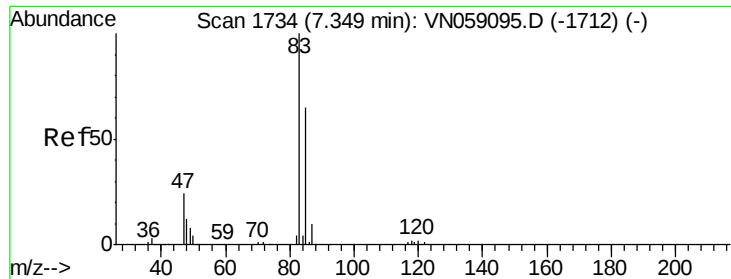
Tot Ion: 43 Resp: 541
Ion Ratio Lower Upper
43 100
58 0.0 24.9 37.3#



#18
Methyl Acetate
Concen: 0.680 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.01 min
Lab File: VN059177.D
Acq: 12 Nov 2019 10:20

Tgt Ion: 43 Resp: 4283
Ion Ratio Lower Upper
43 100
74 18.0 17.8 26.8

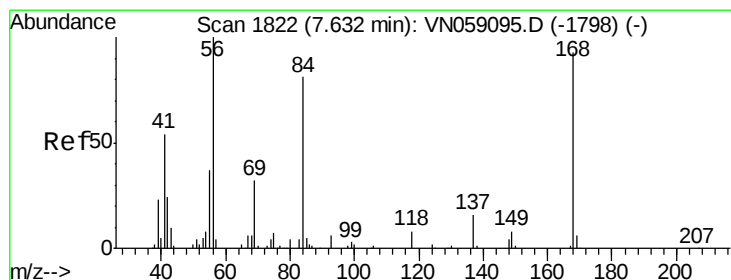
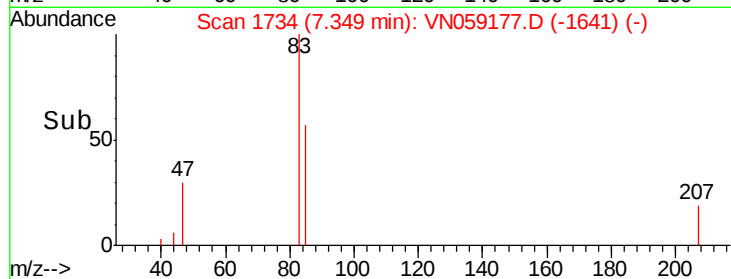
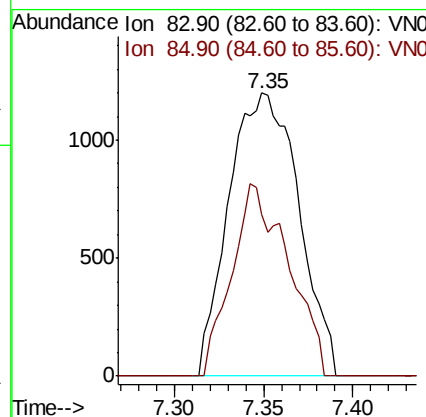
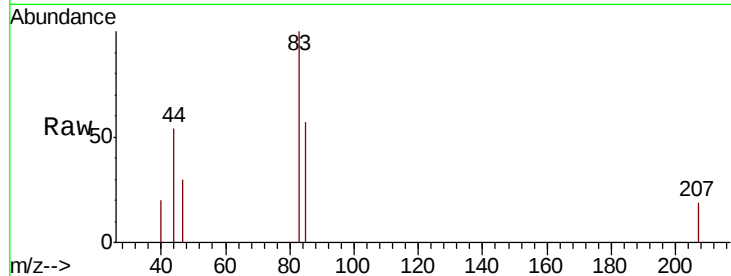




#30
Chloroform
Concen: 0.406 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN059177.D
Acq: 12 Nov 2019 10:20

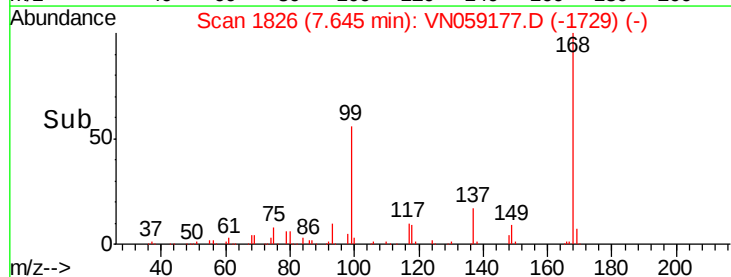
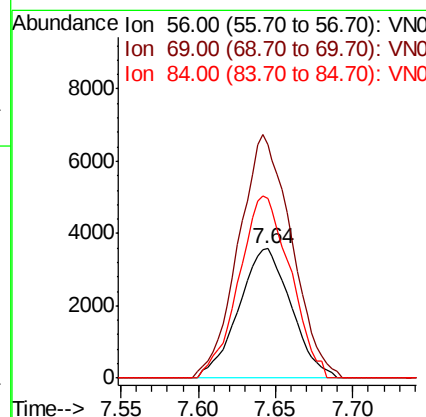
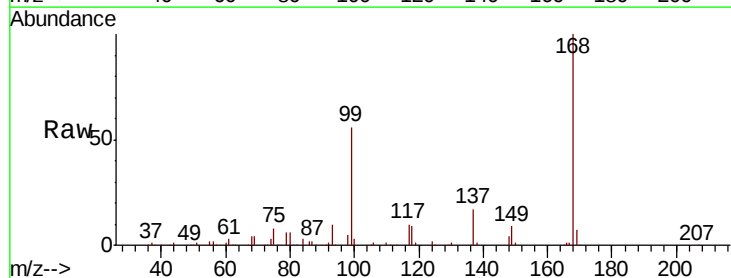
Instrument :
MSVOA_N
ClientSampled :

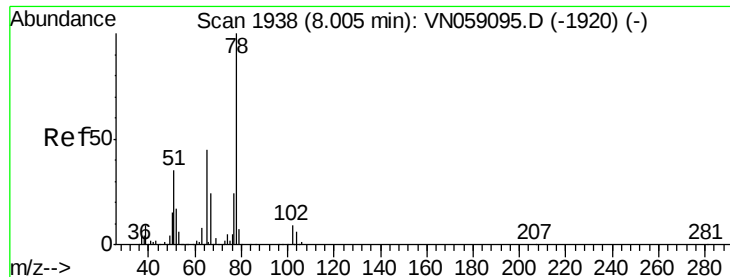
Tot Ion: 83 Resp: 3270
Ion Ratio Lower Upper
83 100
85 57.0 51.8 77.8



#31
Cyclohexane
Concen: 1.062 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN059177.D
Acq: 12 Nov 2019 10:20

Tgt Ion: 56 Resp: 8438
Ion Ratio Lower Upper
56 100
69 180.5 25.8 38.8#
84 138.4 65.0 97.4#

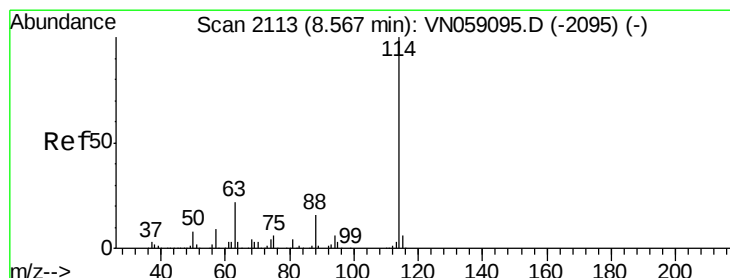
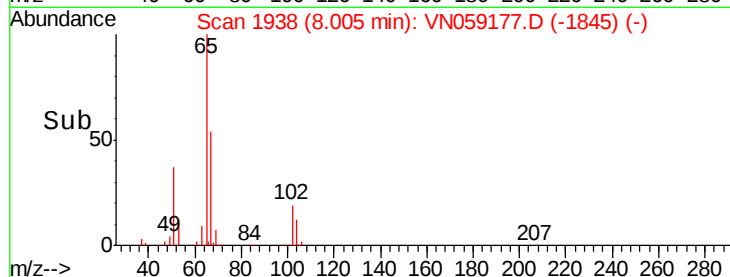
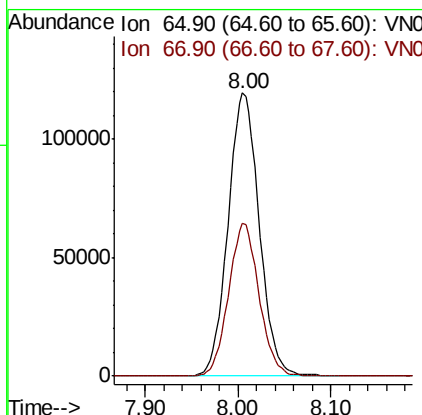
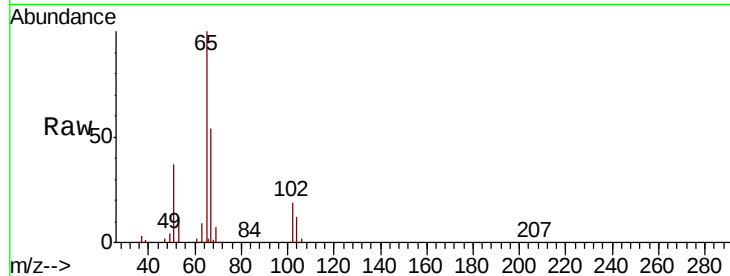




#33
 1,2-Dichloroethane-d4
 Concen: 54.583 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059177.D
 Acq: 12 Nov 2019 10:20

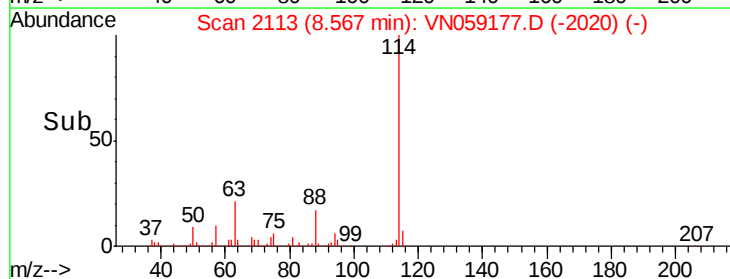
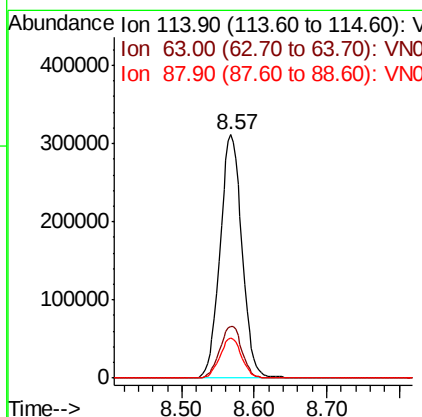
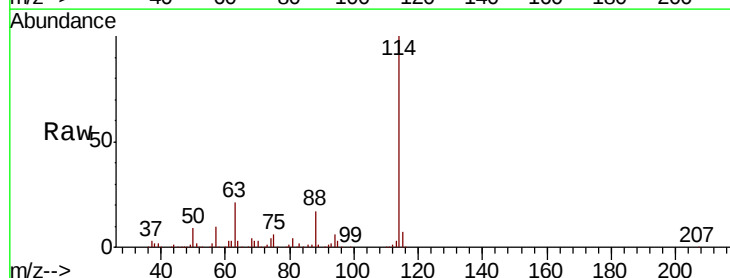
Instrument :
 MSVOA_N
 ClientSampled :

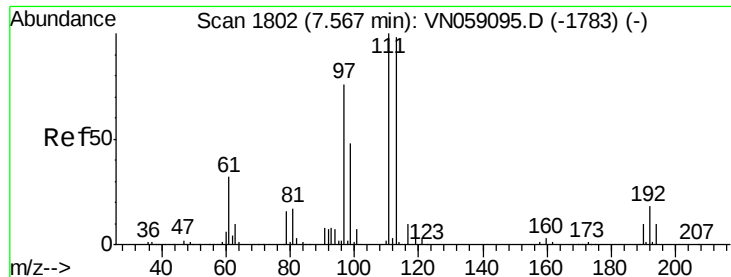
Tot Ion: 65 Resp: 278486
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059177.D
 Acq: 12 Nov 2019 10:20

Tgt Ion: 114 Resp: 651251
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 43.4
 88 16.5 0.0 32.2

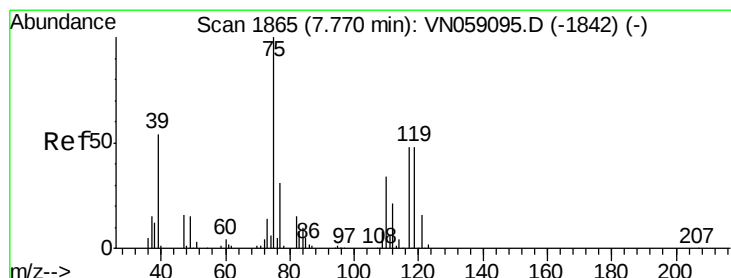
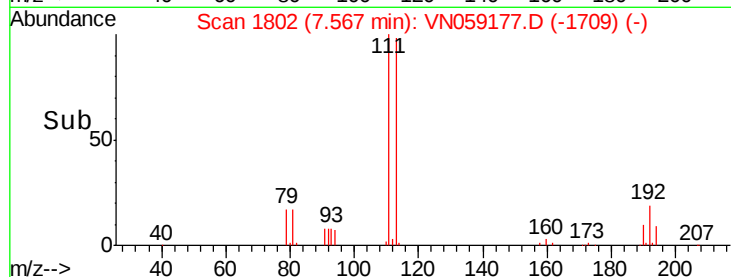
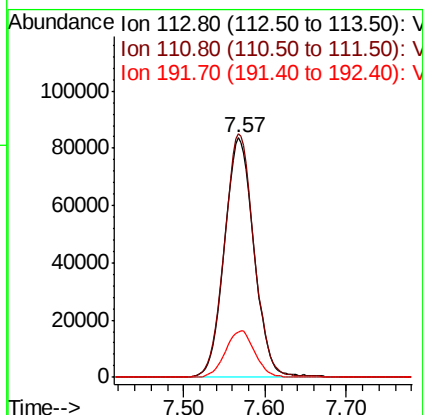
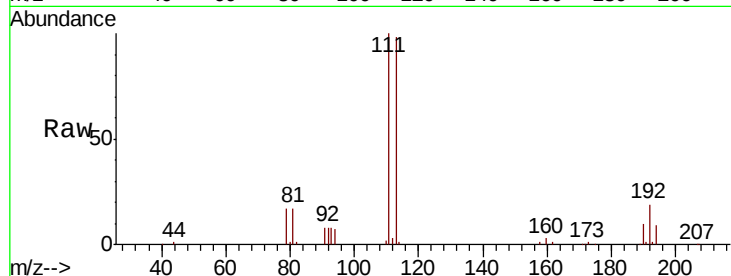




#35
 Dibromofluoromethane
 Concen: 54.854 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059177.D
 Acq: 12 Nov 2019 10:20

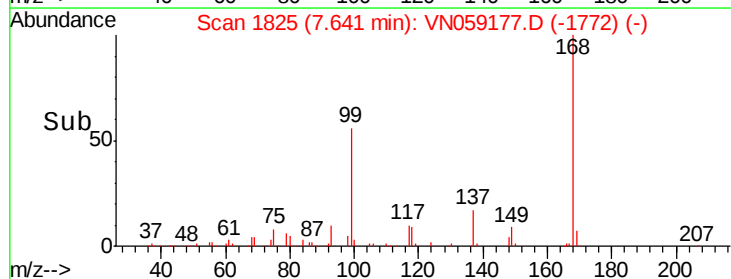
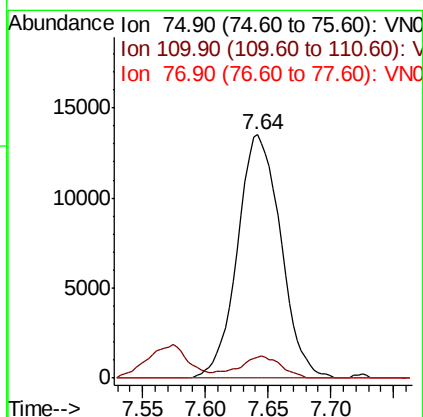
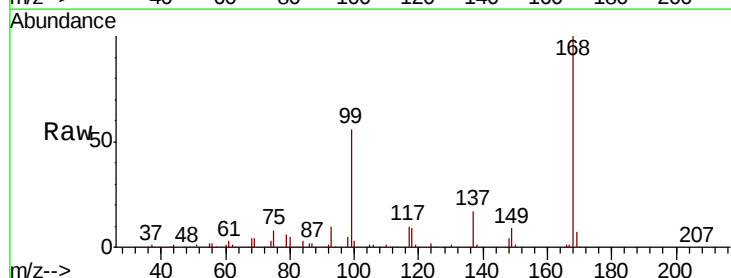
Instrument :
 MSVOA_N
 ClientSampleId :

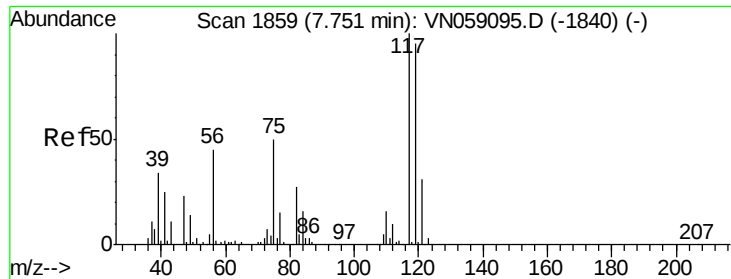
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	82.8	124.2
192	19.4	16.1	24.1



#36
 1,1-Dichloropropene
 Concen: 5.320 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059177.D
 Acq: 12 Nov 2019 10:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	17.1	51.2#
77	0.0	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 6.600 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN059177.D

Acq: 12 Nov 2019 10:20

Instrument :

MSVOA_N

ClientSampled :

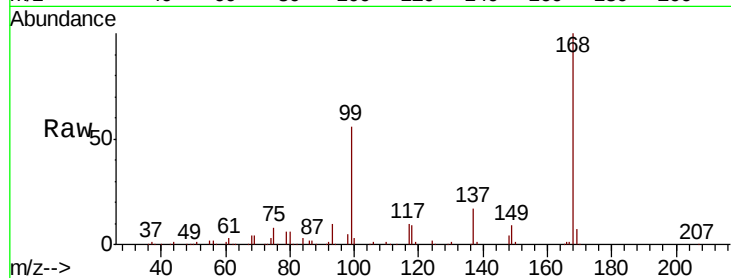
Tot Ion:117 Resp: 39991

Ion Ratio Lower Upper

117 100

119 5.4 75.6 113.4#

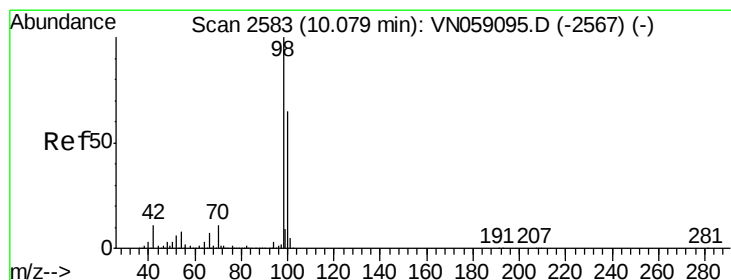
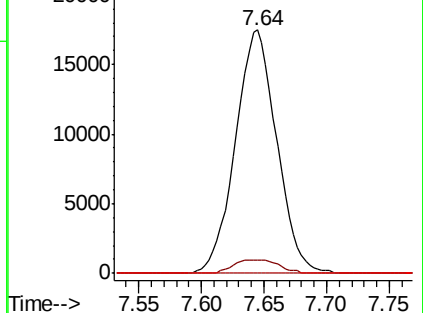
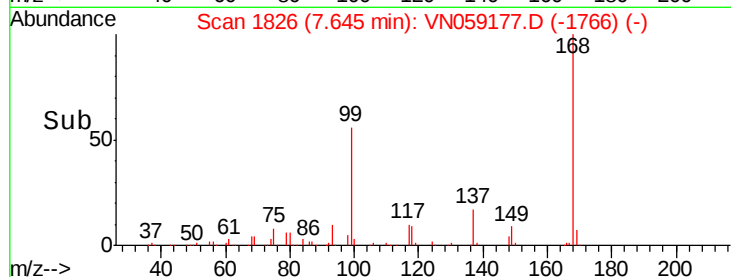
121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 52.345 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN059177.D

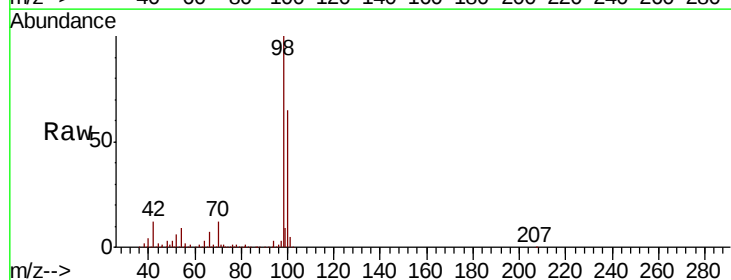
Acq: 12 Nov 2019 10:20

Tgt Ion: 98 Resp: 801757

Ion Ratio Lower Upper

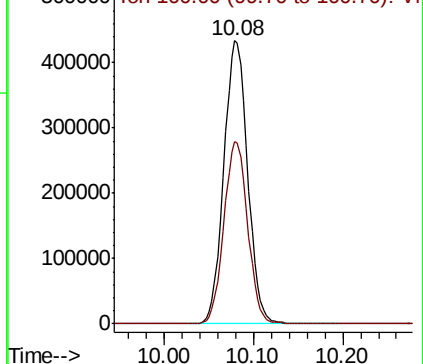
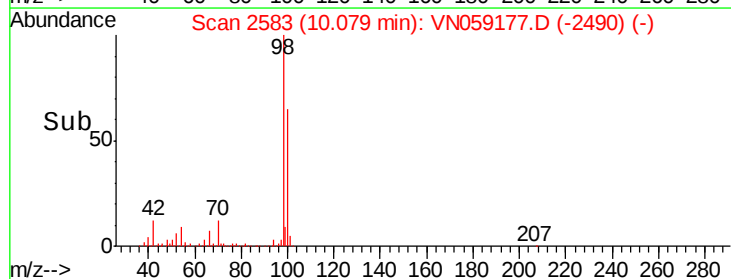
98 100

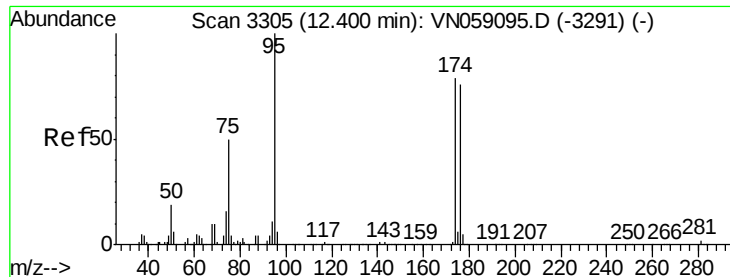
100 64.3 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#62

4-Bromofluorobenzene

Concen: 44.856 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN059177.D

Acq: 12 Nov 2019 10:20

Instrument :

MSVOA_N

ClientSampleId :

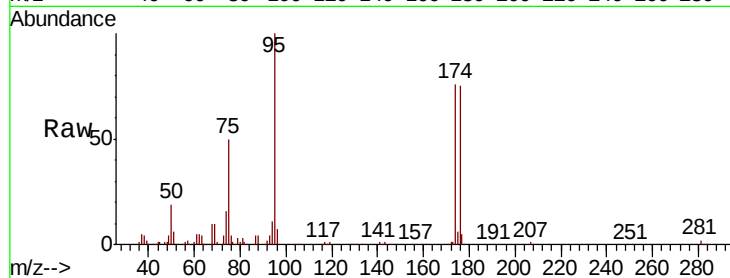
Tot Ion: 95 Resp: 247724

Ion Ratio Lower Upper

95 100

174 77.3 0.0 158.2

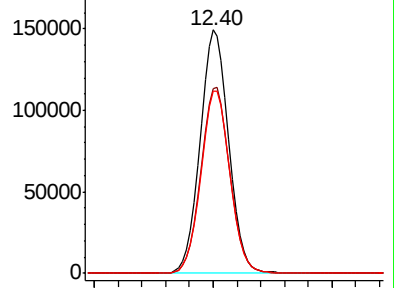
176 76.3 0.0 151.8



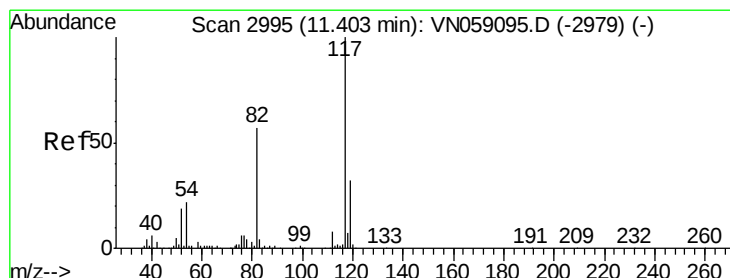
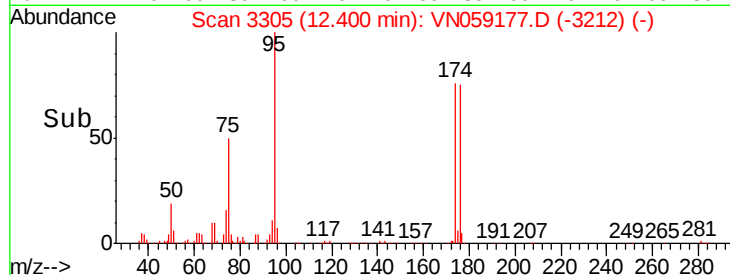
Abundance Ion 94.90 (94.60 to 95.60): VN059177.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN059177.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN059177.D (-3212) (-)



Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. 0.00 min

Lab File: VN059177.D

Acq: 12 Nov 2019 10:20

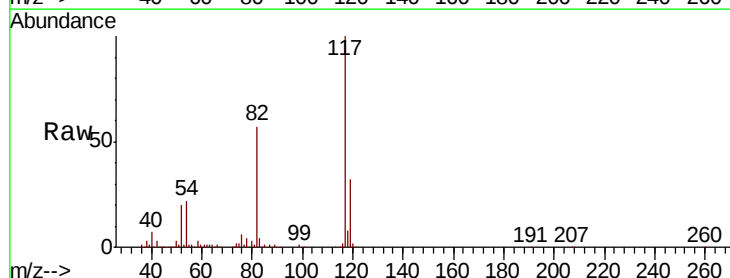
Tgt Ion: 117 Resp: 565851

Ion Ratio Lower Upper

117 100

82 57.0 45.8 68.8

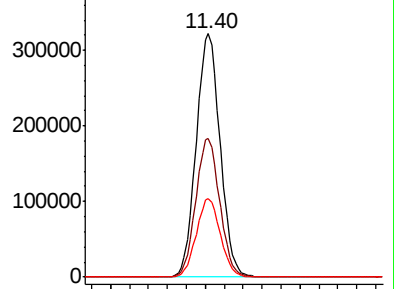
119 32.3 25.8 38.6



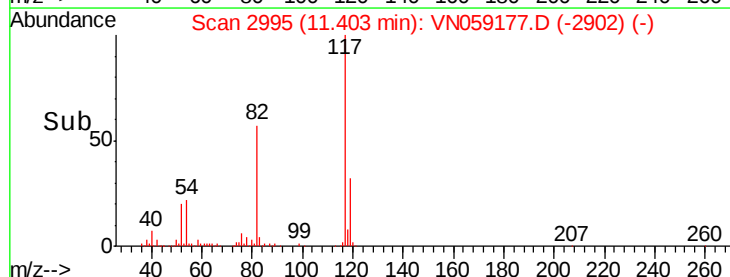
Abundance Ion 116.90 (116.60 to 117.60): VN059177.D (-2902) (-)

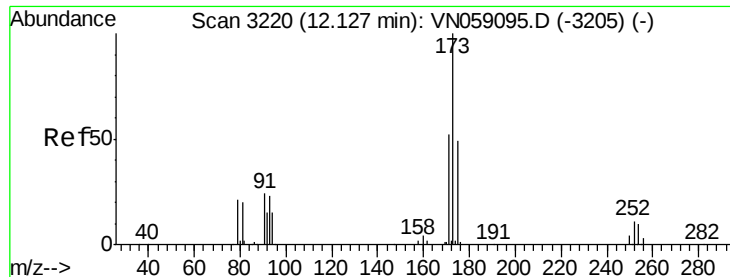
Ion 82.00 (81.70 to 82.70): VN059177.D (-2902) (-)

Ion 118.90 (118.60 to 119.60): VN059177.D (-2902) (-)



Time--> 11.30 11.40 11.50

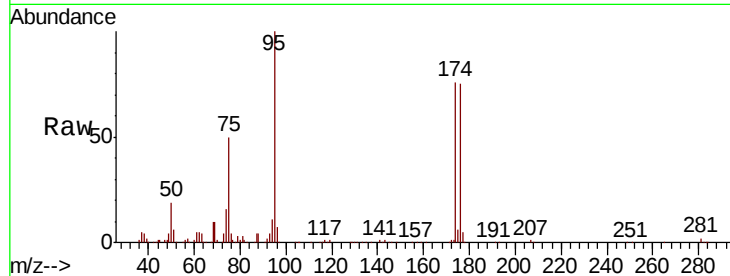




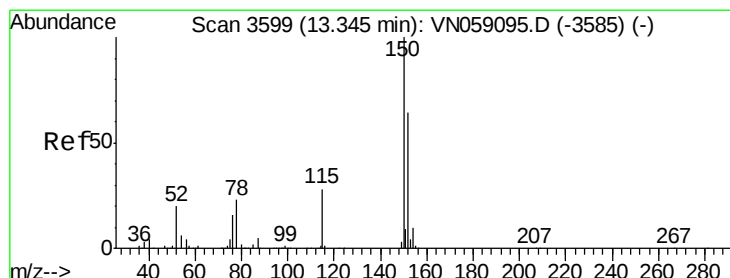
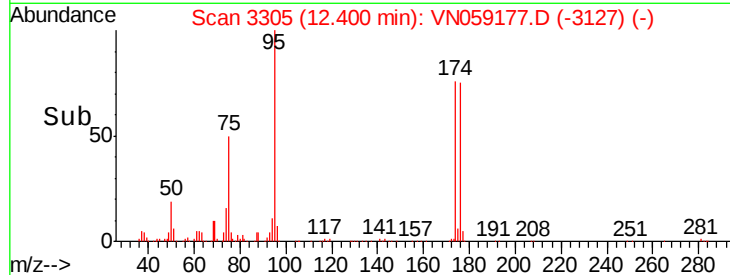
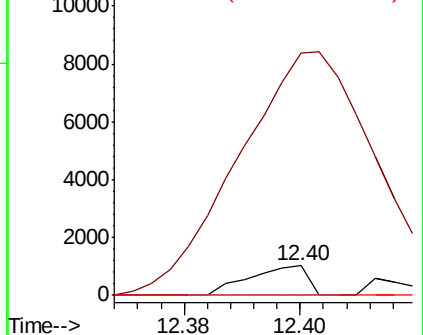
#71
Bromoform
Concen: 0.223 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN059177.D
Acq: 12 Nov 2019 10:20

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 719
Ion Ratio Lower Upper
173 100
175 1718.4 24.2 72.6#
254 0.0 0.1 0.1#

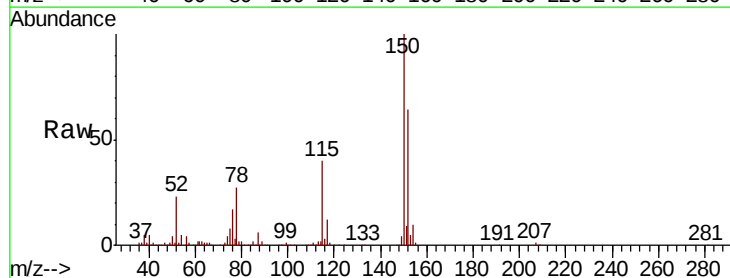


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

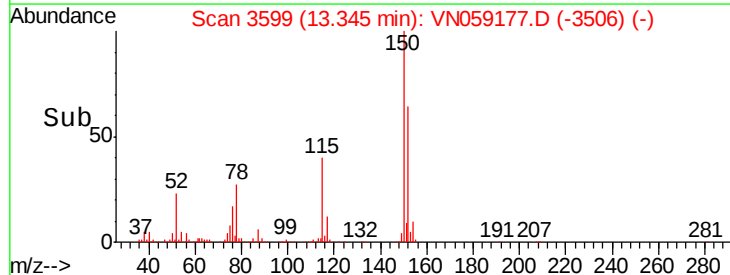
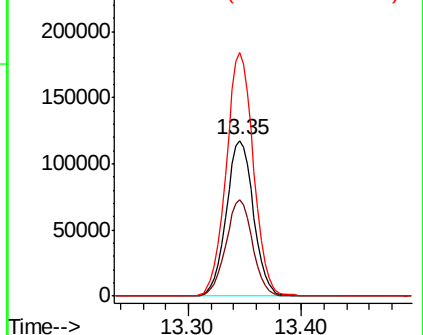


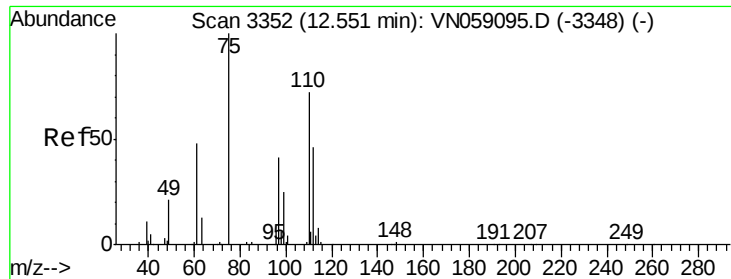
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN059177.D
Acq: 12 Nov 2019 10:20

Tgt Ion:152 Resp: 196510
Ion Ratio Lower Upper
152 100
115 60.7 29.4 88.2
150 156.6 0.0 345.8



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: 27.927 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN059177.D

Acq: 12 Nov 2019 10:20

Instrument :

MSVOA_N

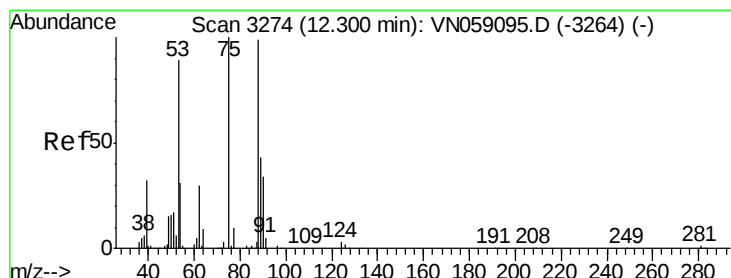
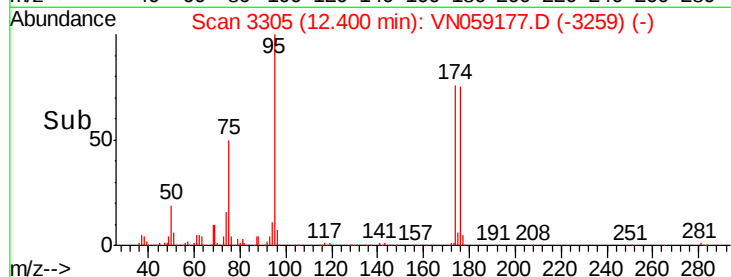
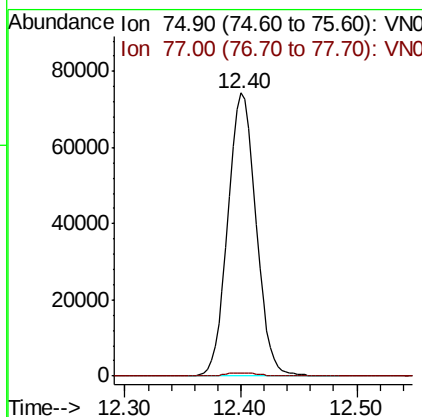
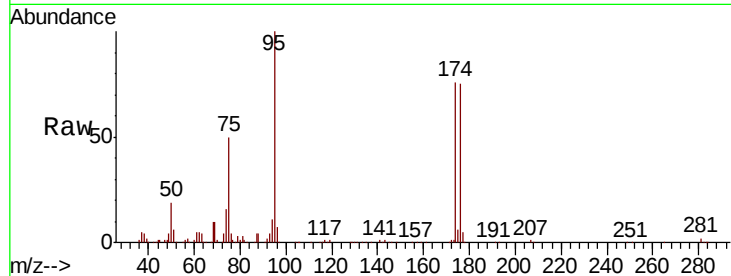
ClientSampled :

Tot Ion: 75 Resp: 124942

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 73.763 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN059177.D

Acq: 12 Nov 2019 10:20

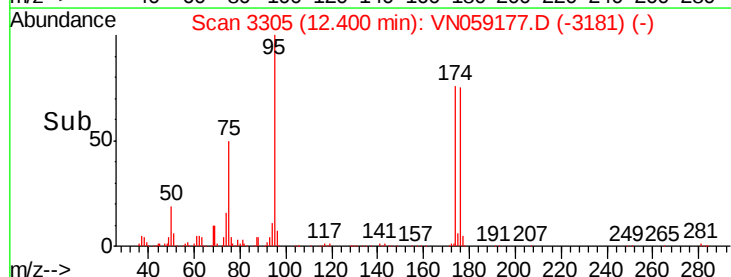
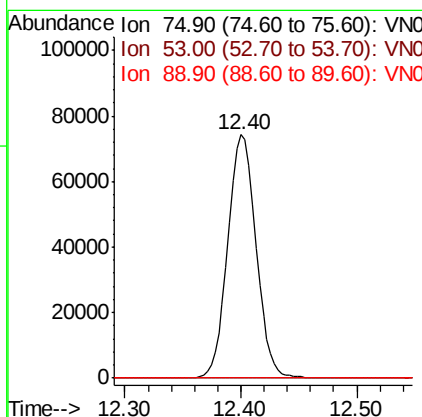
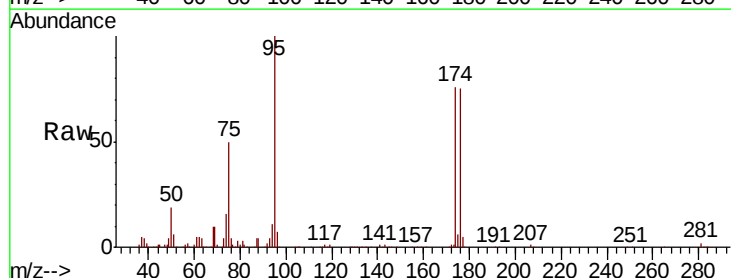
Tgt Ion: 75 Resp: 124942

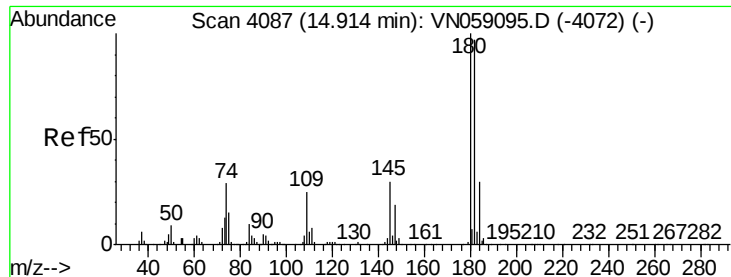
Ion Ratio Lower Upper

75 100

53 0.0 72.2 108.2#

89 0.0 35.8 53.8#

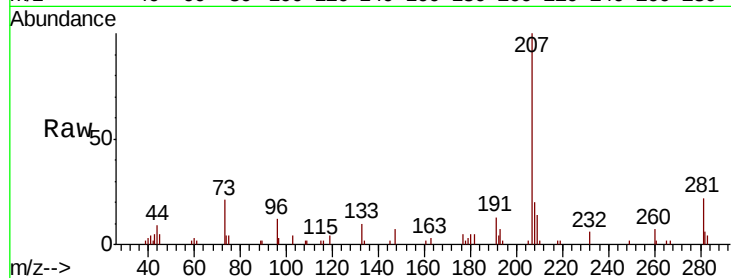




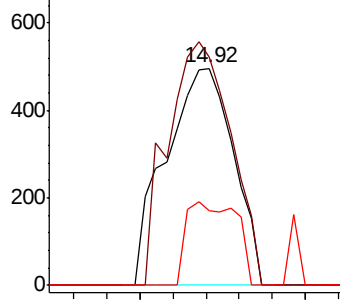
#93
 1,2,4-Trichlorobenzene
 Concen: 3.228 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.01 min
 Lab File: VN059177.D
 Acq: 12 Nov 2019 10:20

Instrument :
 MSVOA_N
 ClientSampleId :

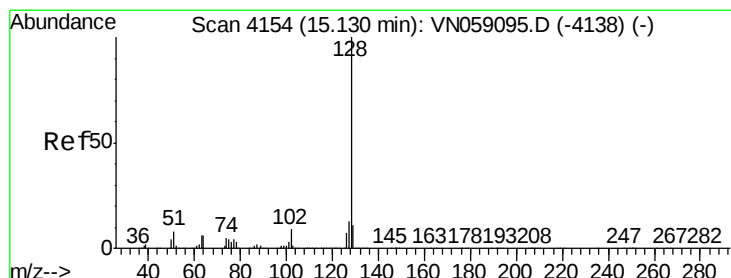
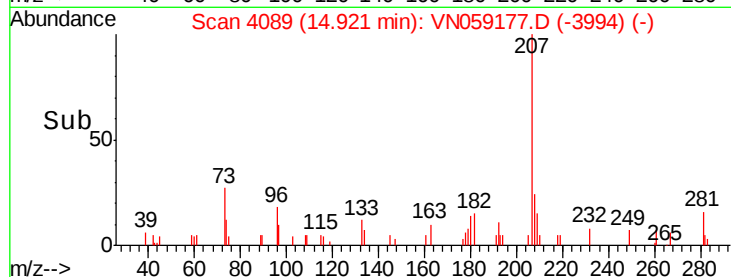
Tot Ion	Ratio	Lower	Upper
180	100		
182	104.5	48.1	144.3
145	28.2	15.1	45.3



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

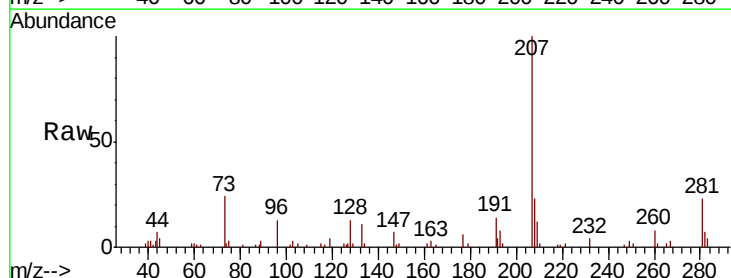


Time-->

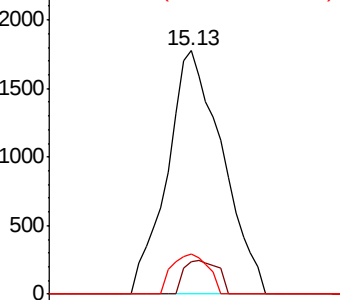


#95
 Naphthalene
 Concen: 3.314 ug/l
 RT: 15.13 min Scan# 4154
 Delta R.T. 0.00 min
 Lab File: VN059177.D
 Acq: 12 Nov 2019 10:20

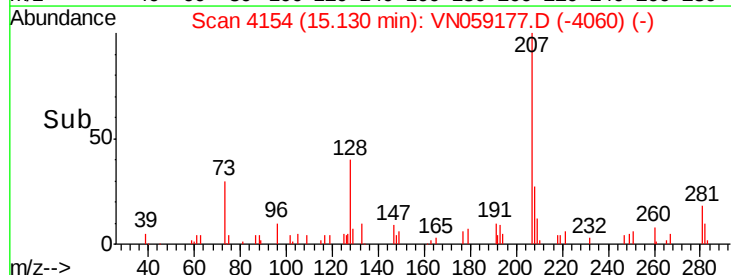
Tgt Ion	Ratio	Lower	Upper
128	100		
127	8.6	10.2	15.2#
129	10.7	8.6	12.8

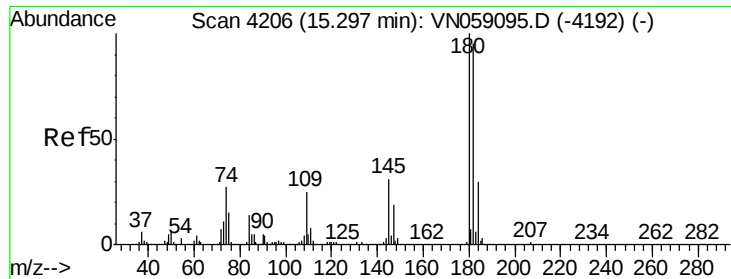


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V



Time-->

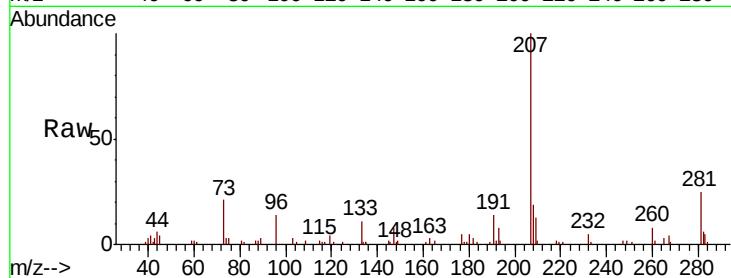




#96
 1,2,3-Trichlorobenzene
 Concen: 0.450 ug/l
 RT: 15.29 min Scan# 4205
 Delta R.T. -0.00 min
 Lab File: VN059177.D
 Acq: 12 Nov 2019 10:20

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	67.1	47.3	141.8
145	48.5	15.8	47.3#



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

