

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120419\
 Data File : VN059477.D
 Acq On : 4 Dec 2019 10:38
 Operator : JC/SP
 Sample : VN1204MBL01
 Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 05 00:43:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 03 16:37:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	314284	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	487840	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	413439	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	141029	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	186119	47.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.34%	
35) Dibromofluoromethane	7.57	113	147507	48.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.10%	
50) Toluene-d8	10.08	98	582927	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
62) 4-Bromofluorobenzene	12.40	95	177532	42.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.86%	

Target Compounds

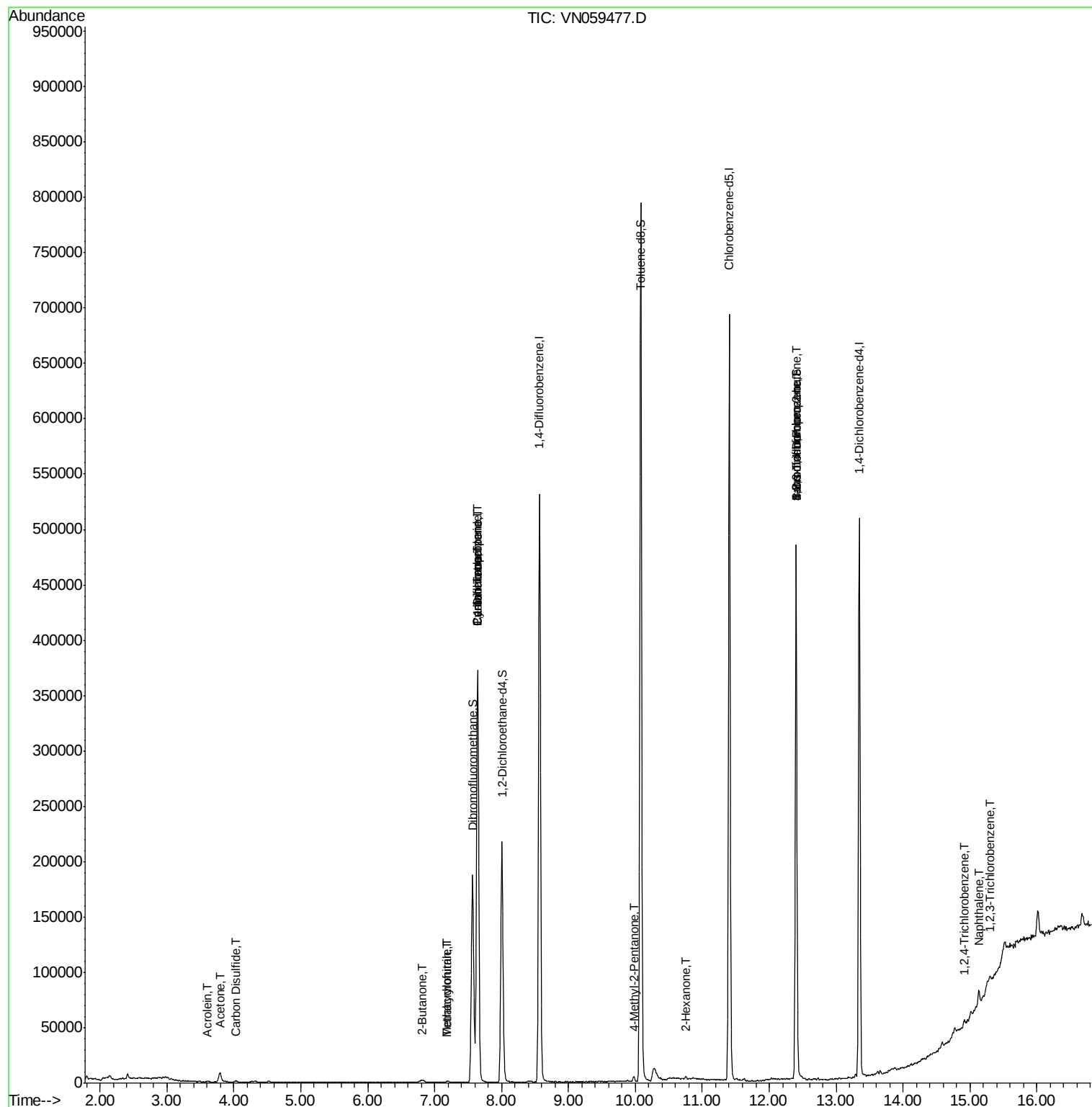
					Qvalue	
13) Acrolein	3.59	56	158	0.247	ug/l #	37
16) Acetone	3.79	43	15213	1.810	ug/l	98
17) Carbon Disulfide	4.03	76	2399	0.216	ug/l #	76
20) Methylene Chloride	4.52	84	374	Below Cal	#	53
25) 2-Butanone	6.82	43	3977	1.340	ug/l	97
29) Tetrahydrofuran	7.19	42	1099	0.589	ug/l #	46
31) Cyclohexane	7.64	56	6301	0.958	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	24123	4.752	ug/l #	49
38) Carbon Tetrachloride	7.64	117	29635	6.069	ug/l #	16
41) Methacrylonitrile	7.18	41	525	0.228	ug/l #	100
51) 4-Methyl-2-Pentanone	9.98	43	3334	0.666	ug/l	90
59) 2-Hexanone	10.75	43	1970	0.523	ug/l	84
71) Bromoform	12.40	173	751	0.297	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	85768	24.459	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	85768	64.190	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.92	180	1601	0.549	ug/l #	79
94) Hexachlorobutadiene	15.01	225	642	Below Cal		78
95) Naphthalene	15.13	128	8673	3.454	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	2282	2.714	ug/l	86

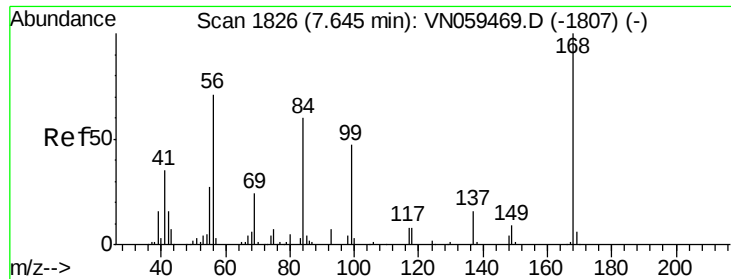
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 4 Dec 2019 10:38
Operator : JC/SP
Sample : VN1204MBL01
Misc : 5.00µL/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Dec 05 00:43:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120319W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 03 16:37:42 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: VN059477.D

Acq: 4 Dec 2019 10:38

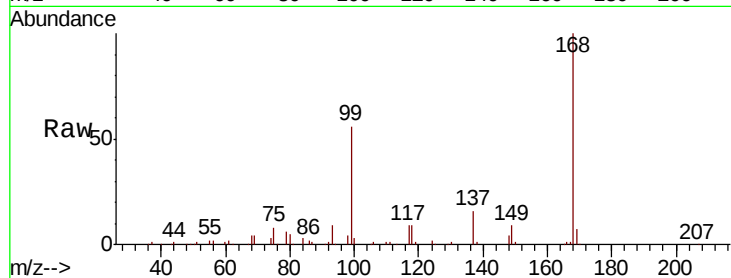
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 314284

Ion Ratio Lower Upper

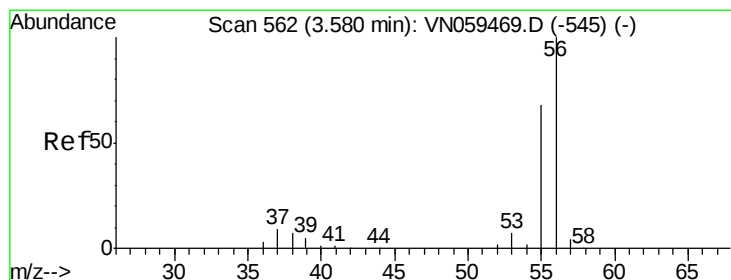
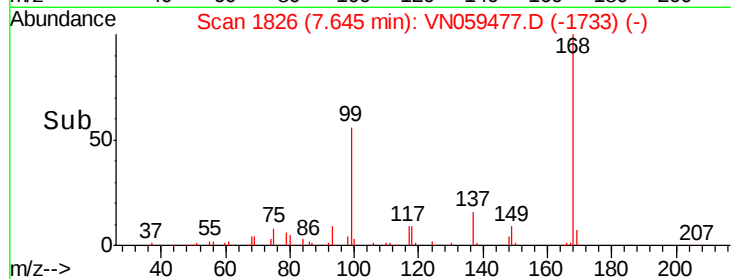
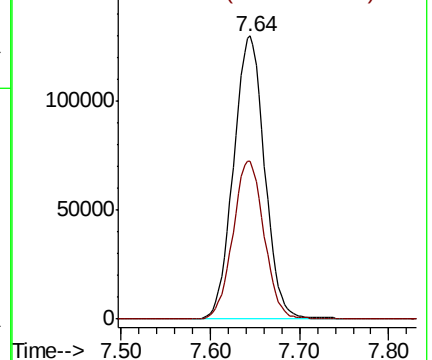
168 100

99 55.6 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): VN059477.D (-1733) (-)

Ion 98.90 (98.60 to 99.60): VN059477.D (-1733) (-)



#13

Acrolein

Concen: 0.247 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VN059477.D

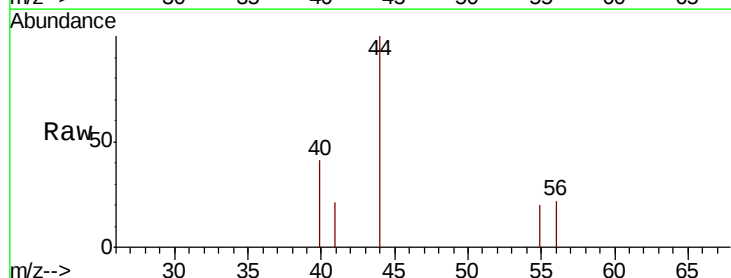
Acq: 4 Dec 2019 10:38

Tgt Ion: 56 Resp: 158

Ion Ratio Lower Upper

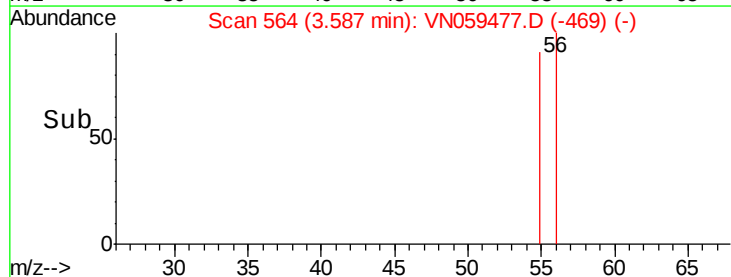
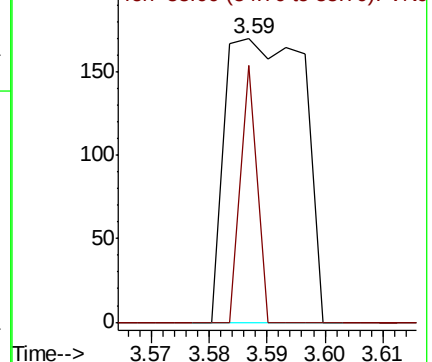
56 100

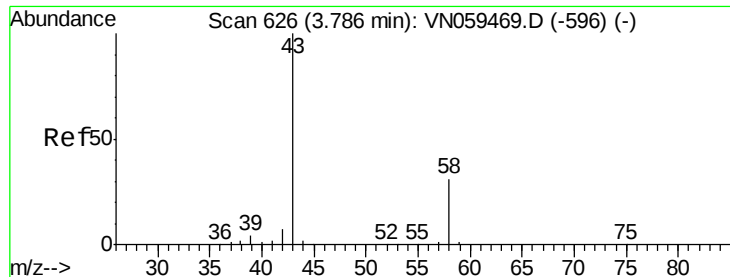
55 19.0 56.5 84.7#



Abundance Ion 56.00 (55.70 to 56.70): VN059477.D (-469) (-)

Ion 55.00 (54.70 to 55.70): VN059477.D (-469) (-)

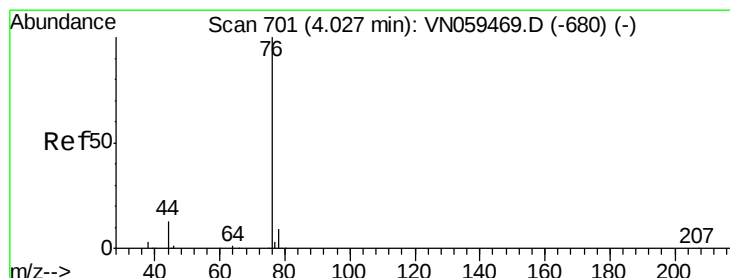
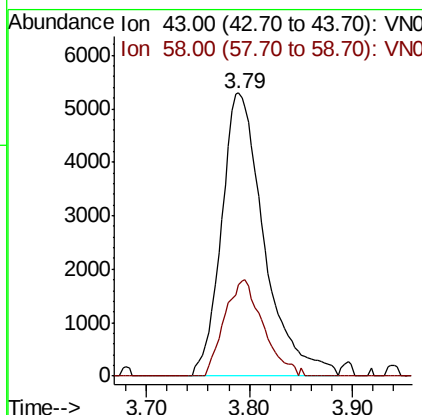
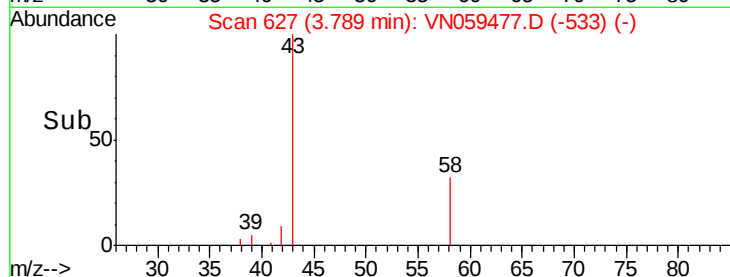
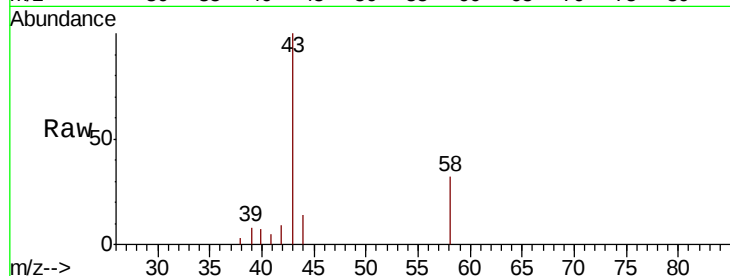




#16
Acetone
Concen: 1.810 ug/l
RT: 3.79 min Scan# 627
Delta R.T. 0.00 min
Lab File: VN059477.D
Acq: 4 Dec 2019 10:38

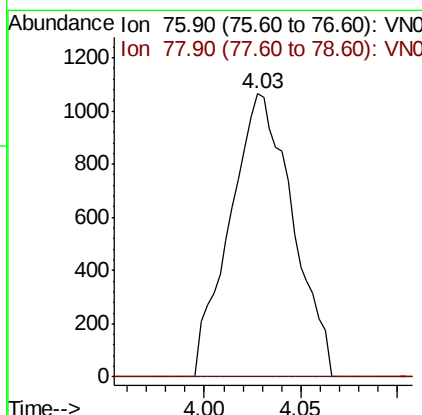
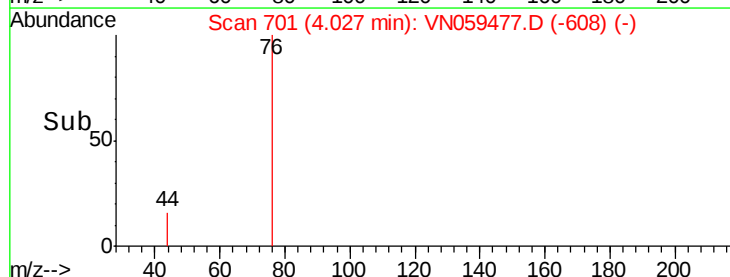
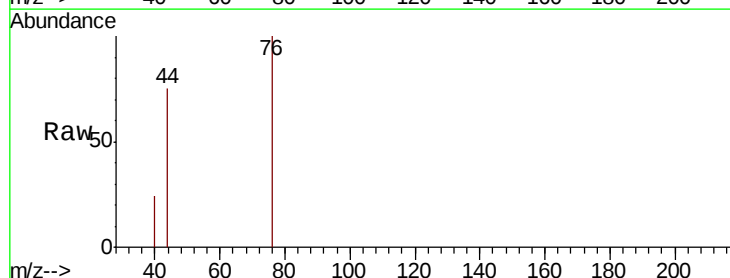
Instrument :
MSVOA_N
ClientSampled :

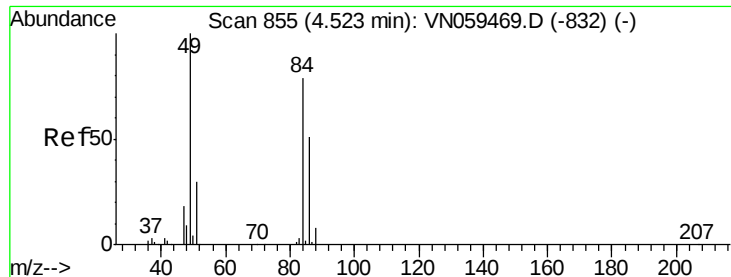
Tot Ion: 43 Resp: 15213
Ion Ratio Lower Upper
43 100
58 32.3 24.9 37.3



#17
Carbon Disulfide
Concen: 0.216 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059477.D
Acq: 4 Dec 2019 10:38

Tgt Ion: 76 Resp: 2399
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#

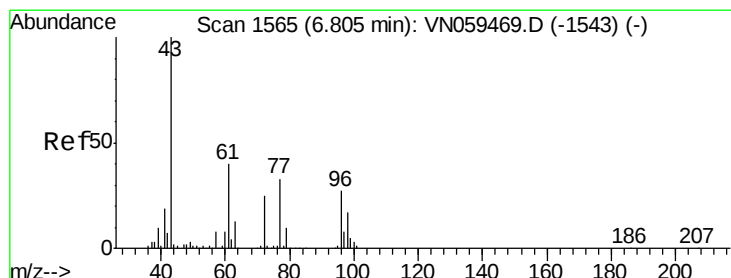
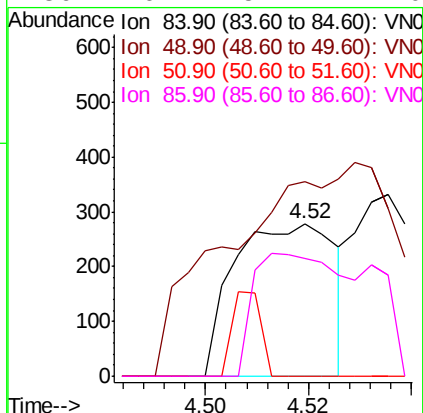
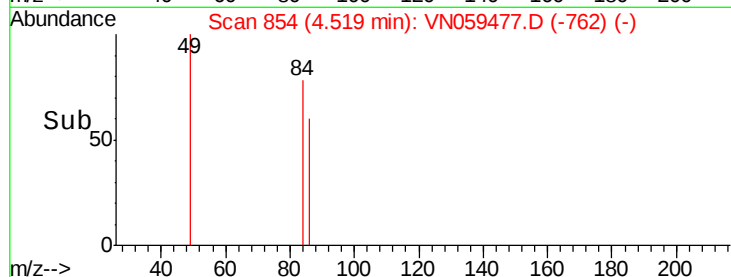
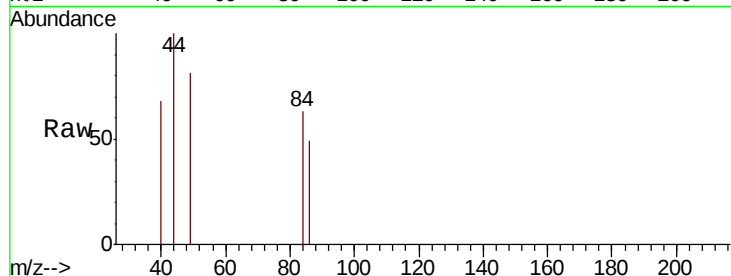




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059477.D
Acq: 4 Dec 2019 10:38

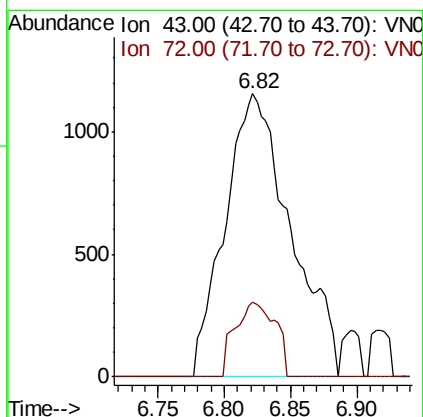
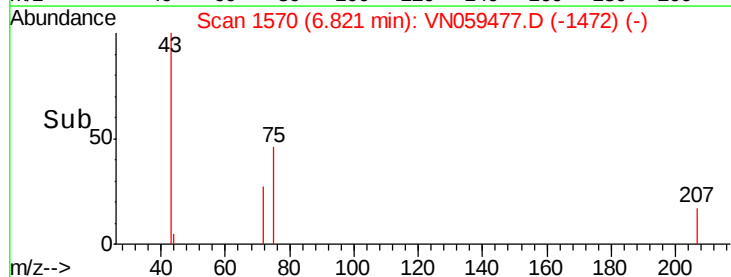
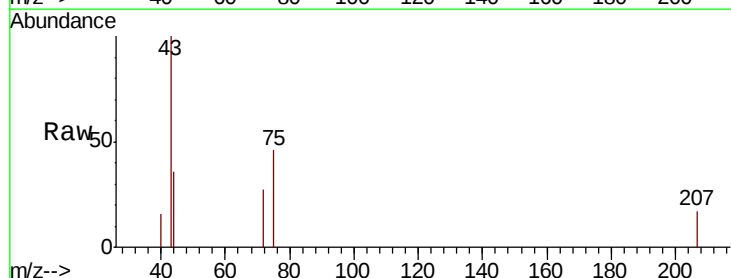
Instrument :
MSVOA_N
ClientSampled :

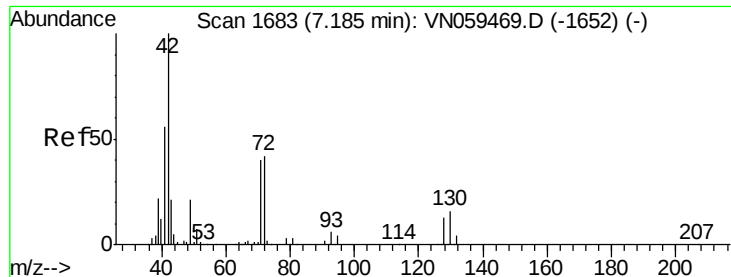
Tot Ion: 84 Resp: 374
Ion Ratio Lower Upper
84 100
49 59.9 101.1 151.7#
51 0.0 30.7 46.1#
86 76.7 51.4 77.0



#25
2-Butanone
Concen: 1.340 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.02 min
Lab File: VN059477.D
Acq: 4 Dec 2019 10:38

Tgt Ion: 43 Resp: 3977
Ion Ratio Lower Upper
43 100
72 26.6 20.2 30.2

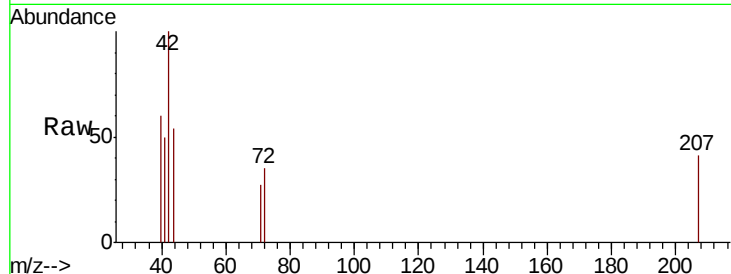




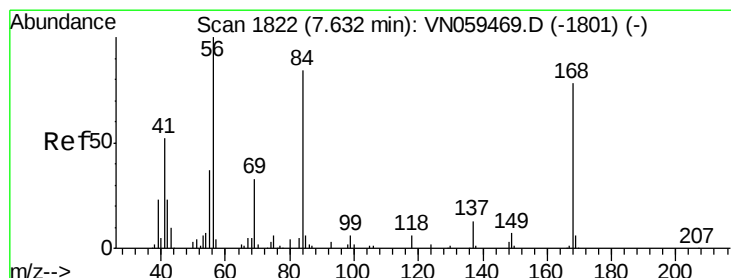
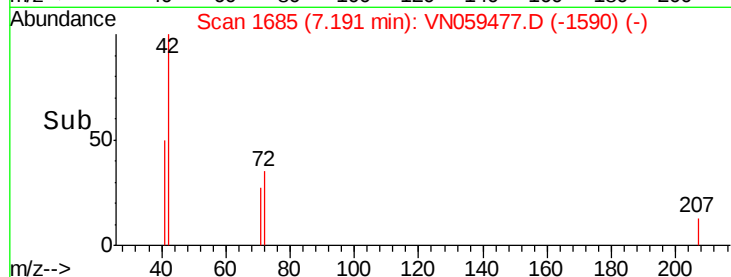
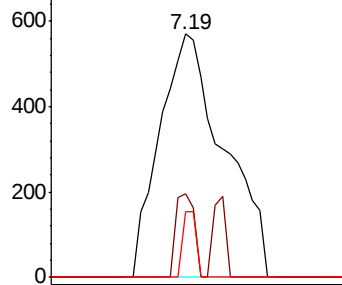
#29
Tetrahydrofuran
Concen: 0.589 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.01 min
Lab File: VN059477.D
Acq: 4 Dec 2019 10:38

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 42 Resp: 1099
Ion Ratio Lower Upper
42 100
72 9.6 34.2 51.2#
71 5.5 32.0 48.0#

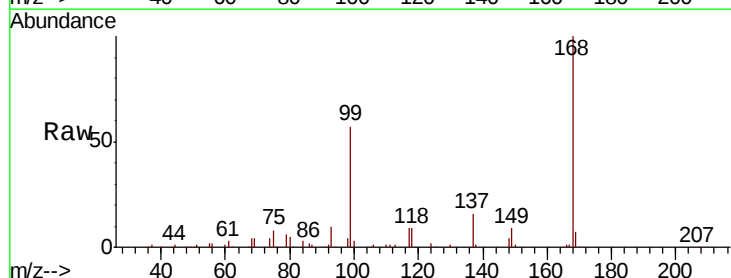


Abundance Ion 42.00 (41.70 to 42.70): VNC
Ion 72.00 (71.70 to 72.70): VNC
Ion 71.00 (70.70 to 71.70): VNC

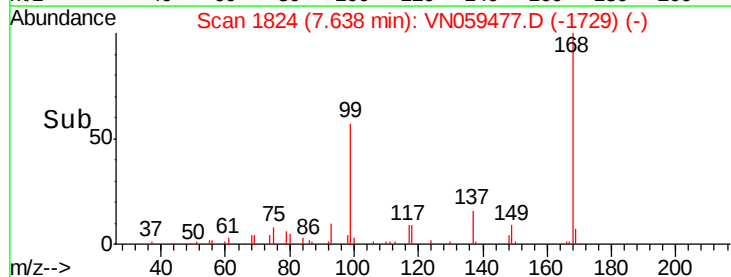
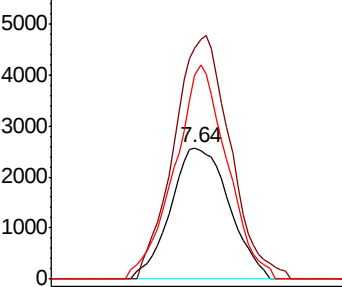


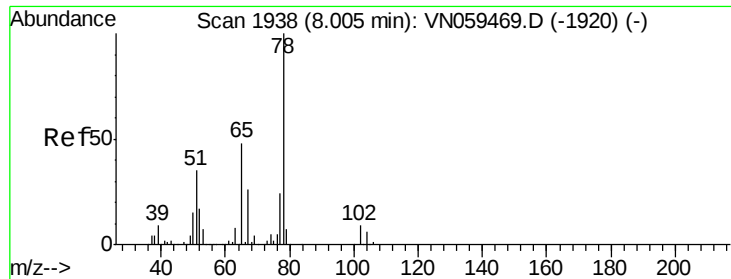
#31
Cyclohexane
Concen: 0.958 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VN059477.D
Acq: 4 Dec 2019 10:38

Tgt Ion: 56 Resp: 6301
Ion Ratio Lower Upper
56 100
69 176.3 26.2 39.4#
84 155.4 66.8 100.2#



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

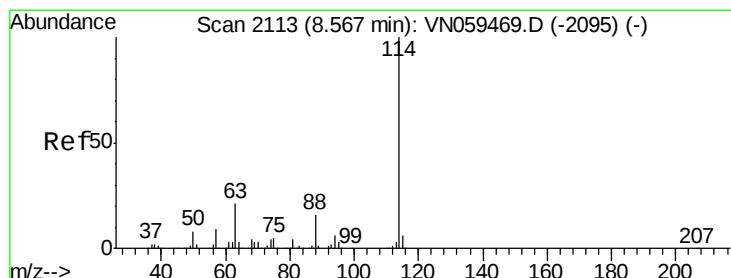
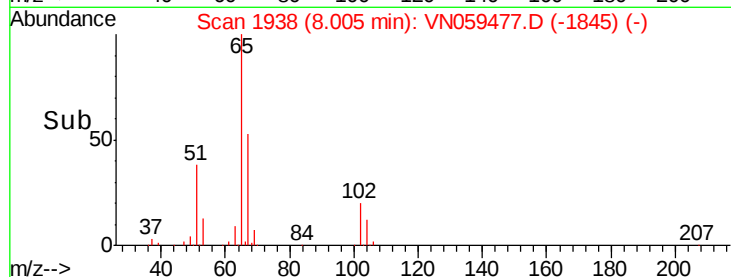
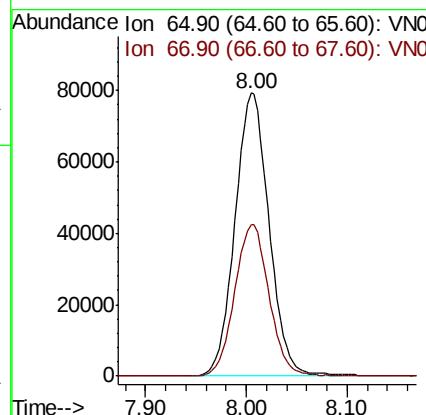
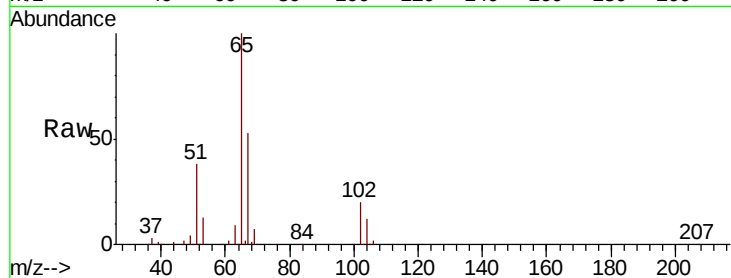




#33
 1,2-Dichloroethane-d4
 Concen: 47.671 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059477.D
 Acq: 4 Dec 2019 10:38

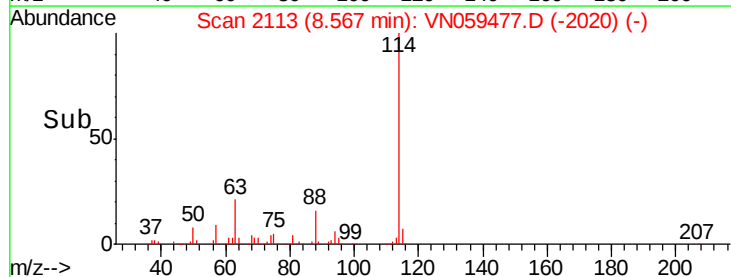
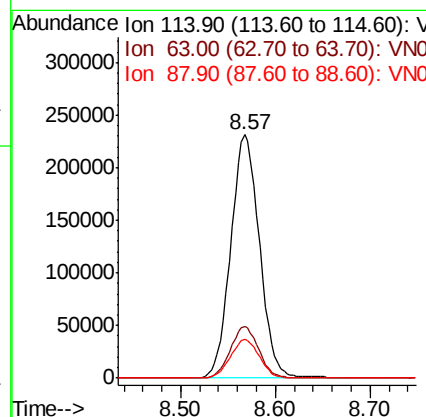
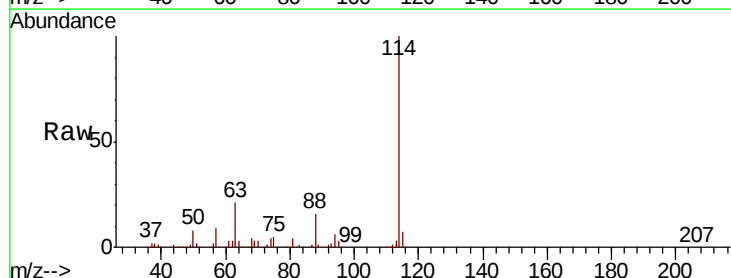
Instrument :
 MSVOA_N
 ClientSampleId :

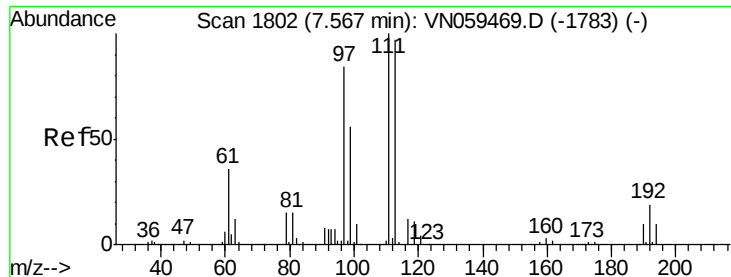
Tot Ion: 65 Resp: 186119
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059477.D
 Acq: 4 Dec 2019 10:38

Tgt Ion: 114 Resp: 487840
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 42.4
 88 15.9 0.0 32.8

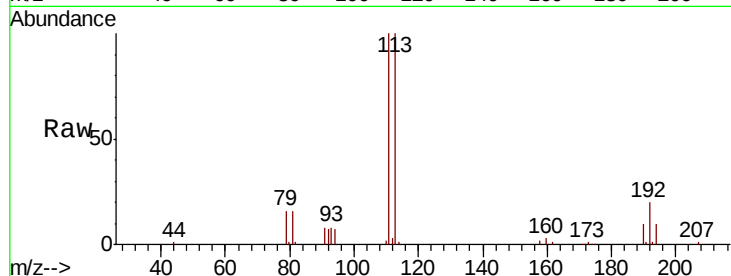




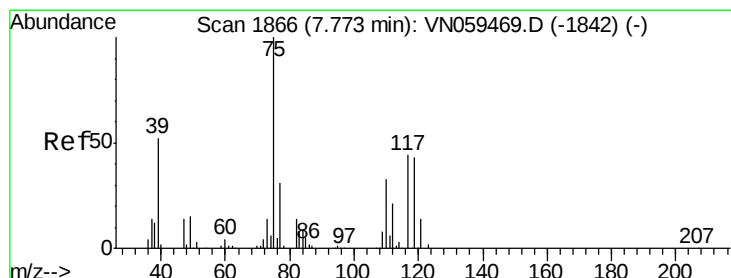
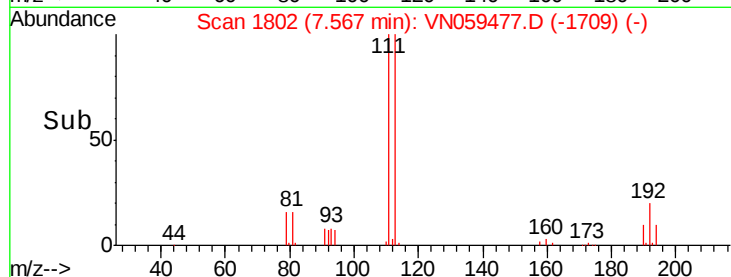
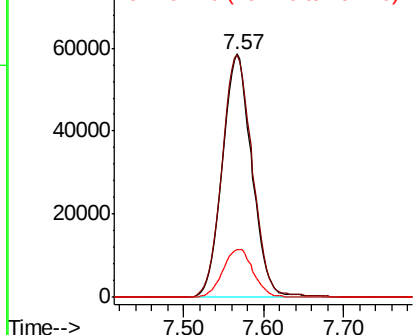
#35
 Dibromofluoromethane
 Concen: 48.548 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059477.D
 Acq: 4 Dec 2019 10:38

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.5	123.7
192	20.4	16.1	24.1

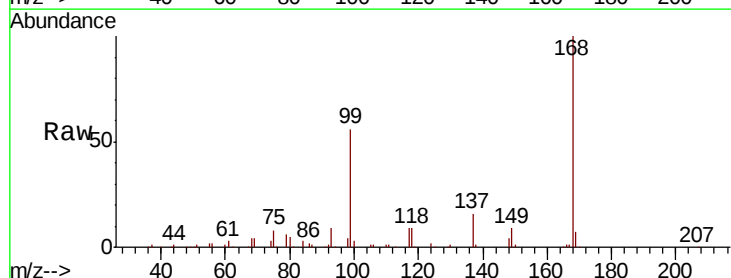


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

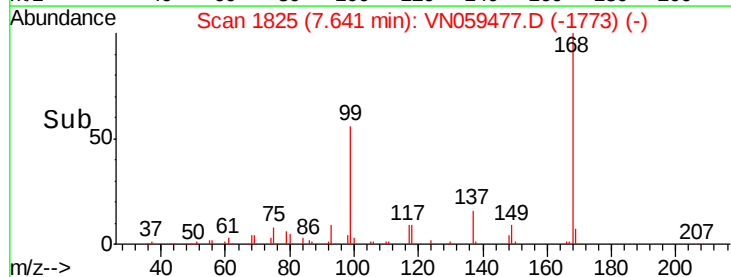
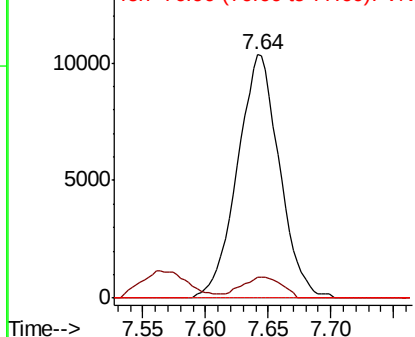


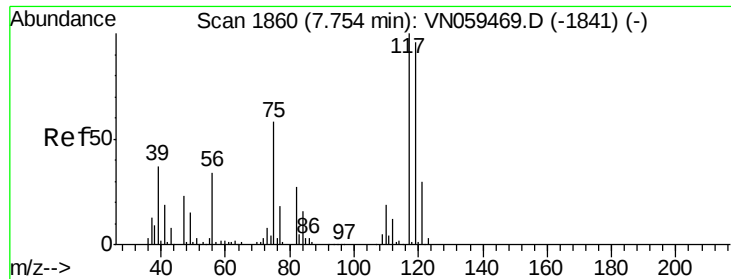
#36
 1,1-Dichloropropene
 Concen: 4.752 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059477.D
 Acq: 4 Dec 2019 10:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.2	16.9	50.7#
77	0.0	25.1	37.7#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.069 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN059477.D

Acq: 4 Dec 2019 10:38

Instrument :

MSVOA_N

ClientSampleId :

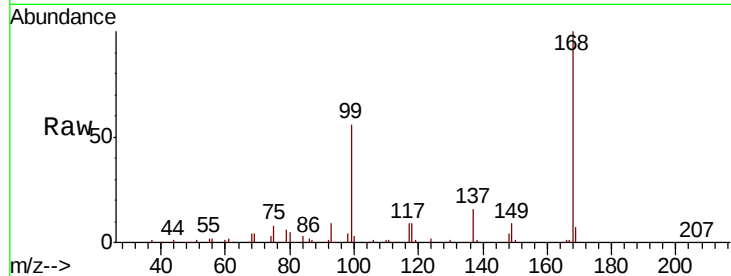
Tot Ion:117 Resp: 29635

Ion Ratio Lower Upper

117 100

119 5.6 76.6 114.8#

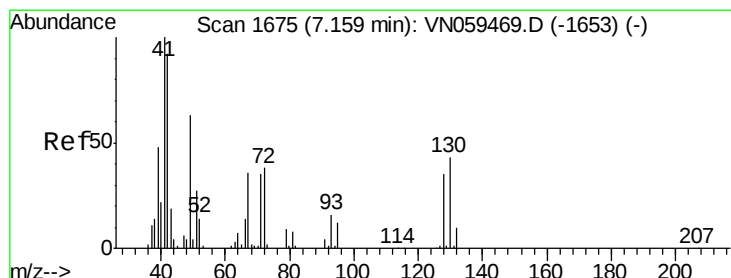
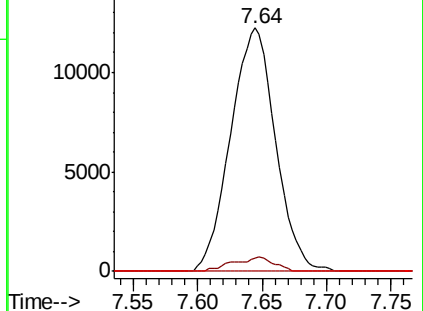
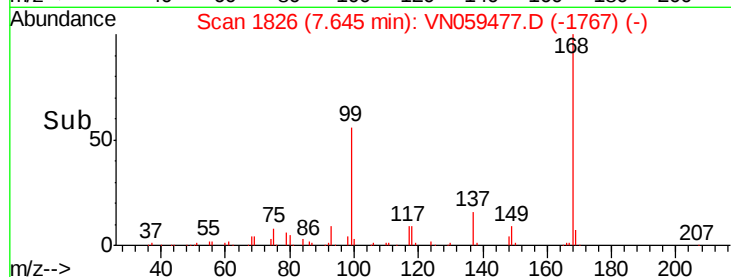
121 0.0 24.0 36.0#



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



#41

Methacrylonitrile

Concen: 0.228 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.02 min

Lab File: VN059477.D

Acq: 4 Dec 2019 10:38

Tgt Ion: 41 Resp: 525

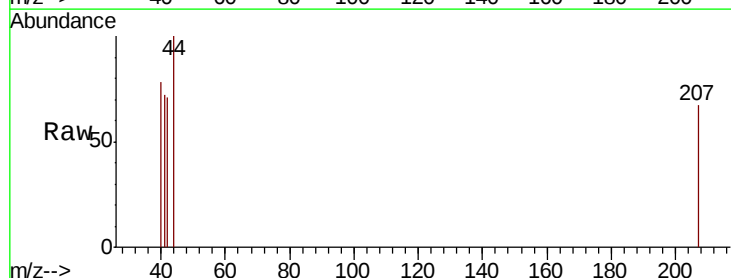
Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

67 0.0 0.0 0.0

52 0.0 0.0 0.0

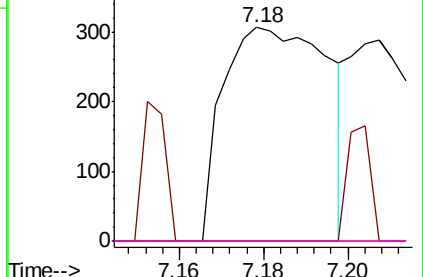
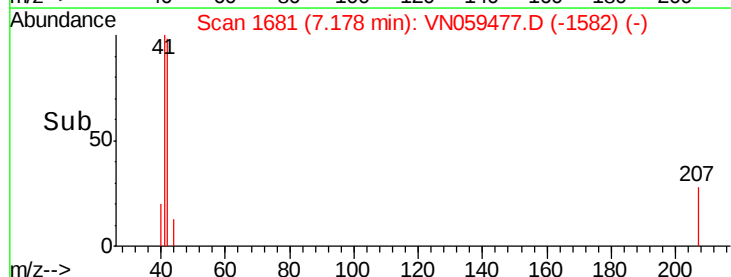


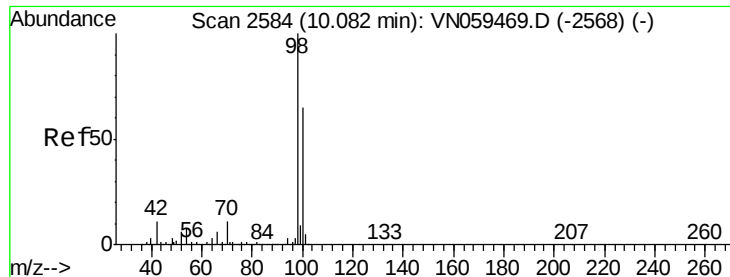
Abundance Ion 41.00 (40.70 to 41.70): V

Ion 39.00 (38.70 to 39.70): V

Ion 67.00 (66.70 to 67.70): V

Ion 52.00 (51.70 to 52.70): V





#50

Toluene-d8

Concen: 48.659 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN059477.D

Acq: 4 Dec 2019 10:38

Instrument :

MSVOA_N

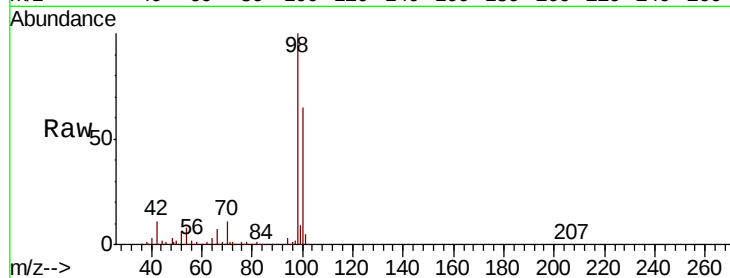
ClientSampled :

Tot Ion: 98 Resp: 582927

Ion Ratio Lower Upper

98 100

100 64.9 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VN059469.D (-2568) (-)

Ion 100.00 (99.70 to 100.70): VN059469.D (-2568) (-)

10.08

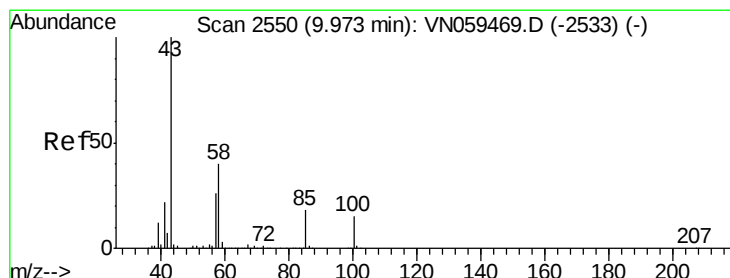
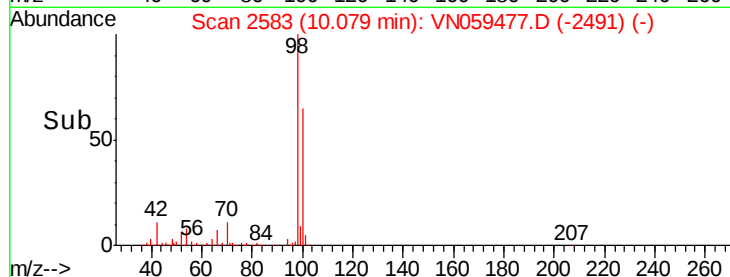
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.666 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059477.D

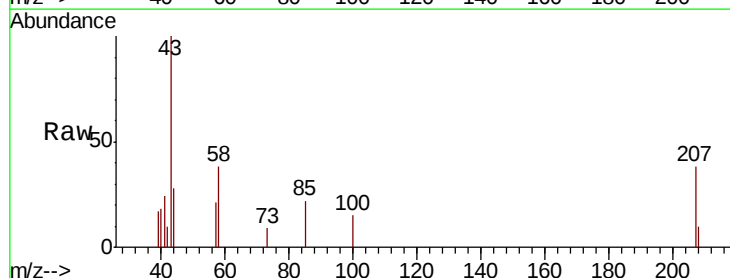
Acq: 4 Dec 2019 10:38

Tgt Ion: 43 Resp: 3334

Ion Ratio Lower Upper

43 100

58 34.0 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN059469.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN059469.D (-2533) (-)

9.98

2000

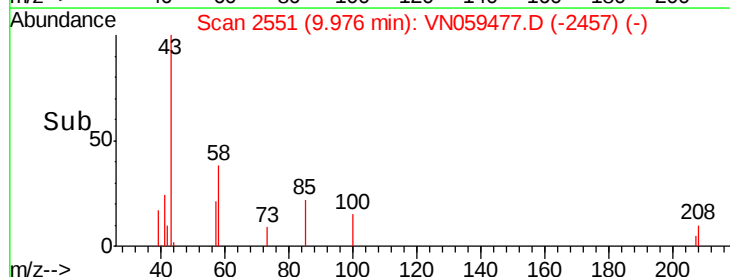
1500

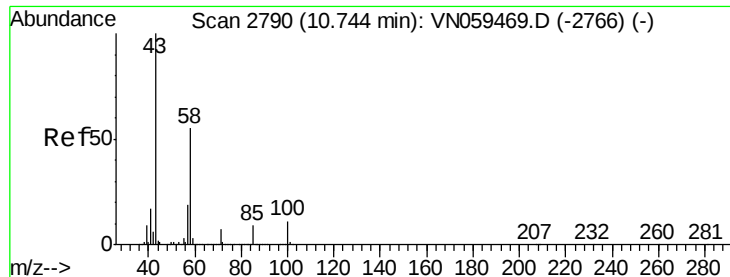
1000

500

0

Time-->





#59

2-Hexanone

Concen: 0.523 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.01 min

Lab File: VN059477.D

Acq: 4 Dec 2019 10:38

Instrument :

MSVOA_N

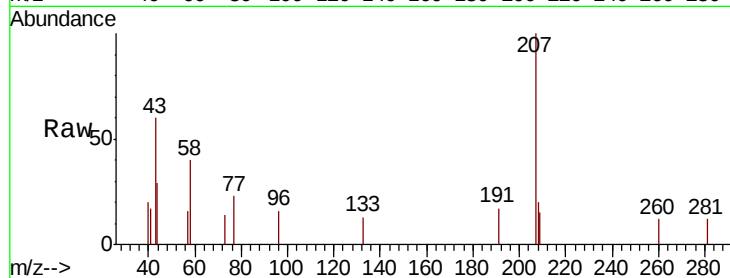
ClientSampled :

Tot Ion: 43 Resp: 1970

Ion Ratio Lower Upper

43 100

58 43.5 27.7 83.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.75

800

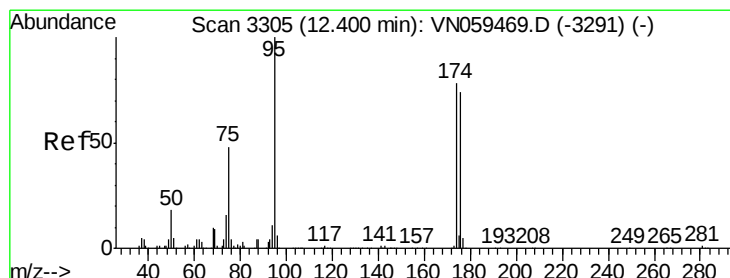
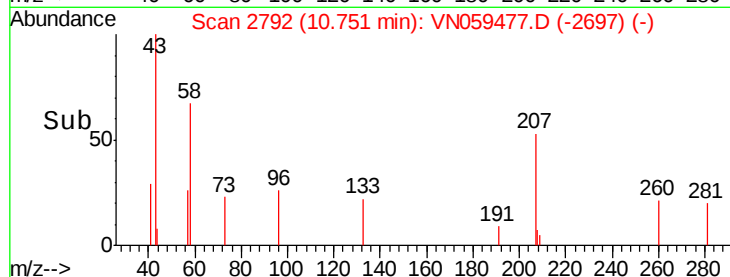
600

400

200

0

Time--> 10.70 10.75 10.80



#62

4-Bromofluorobenzene

Concen: 42.434 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059477.D

Acq: 4 Dec 2019 10:38

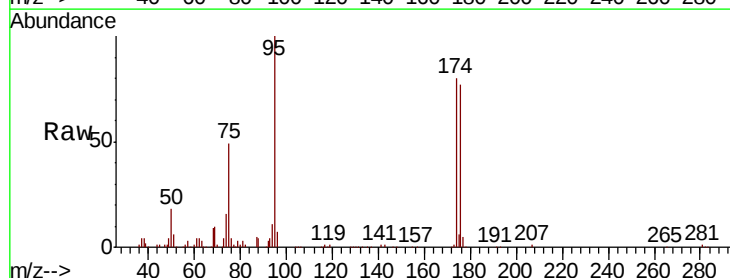
Tgt Ion: 95 Resp: 177532

Ion Ratio Lower Upper

95 100

174 78.4 0.0 157.0

176 76.5 0.0 152.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

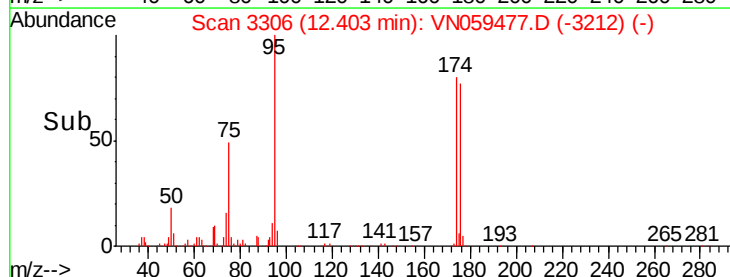
12.40

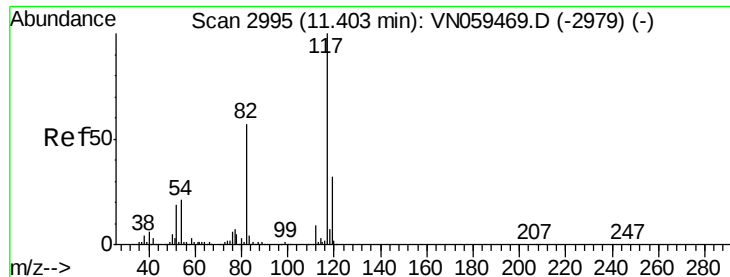
100000

50000

0

Time--> 12.35 12.40 12.45





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059477.D

Acq: 4 Dec 2019 10:38

Instrument :

MSVOA_N

ClientSampled :

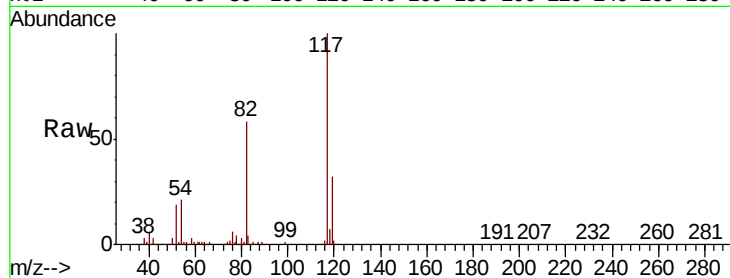
Tot Ion:117 Resp: 413439

Ion Ratio Lower Upper

117 100

82 57.5 45.8 68.8

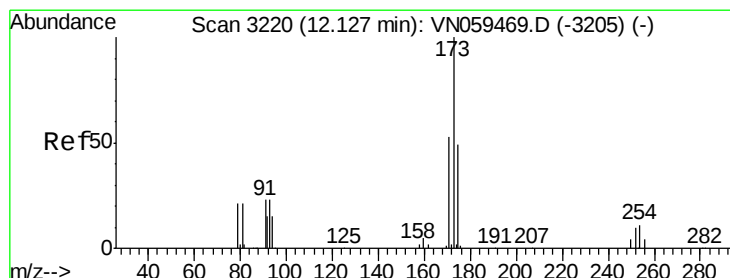
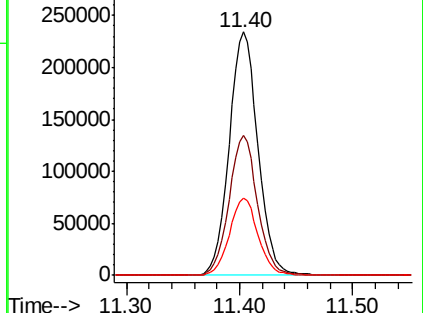
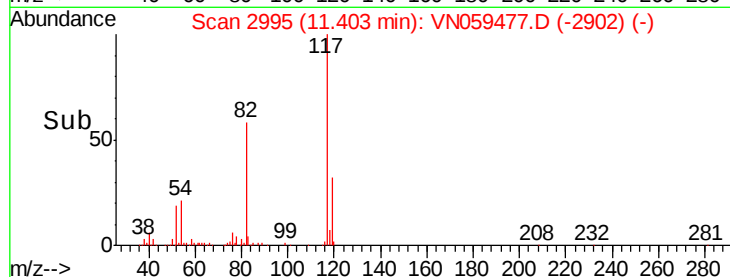
119 31.5 25.4 38.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#71

Bromoform

Concen: 0.297 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN059477.D

Acq: 4 Dec 2019 10:38

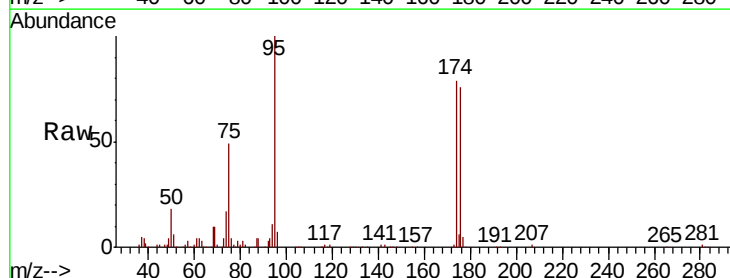
Tgt Ion:173 Resp: 751

Ion Ratio Lower Upper

173 100

175 1113.0 24.3 73.0#

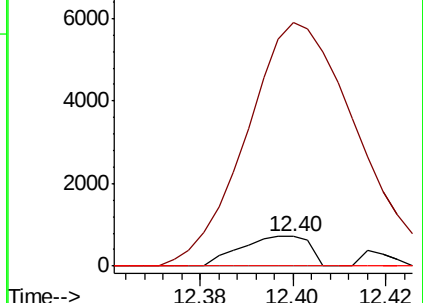
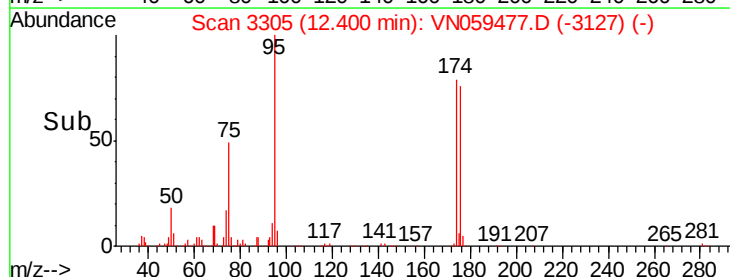
254 0.0 0.0 0.0

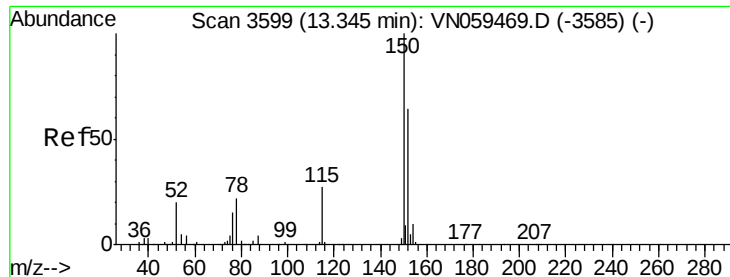


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



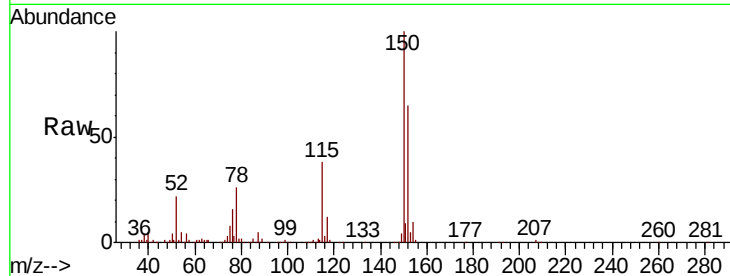


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN059477.D
Acq: 4 Dec 2019 10:38

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.0	29.2	87.6
150	157.6	0.0	352.8

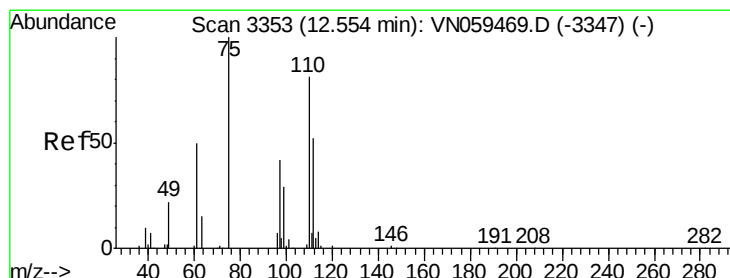
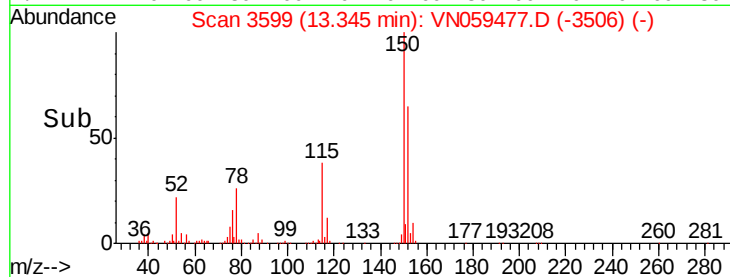
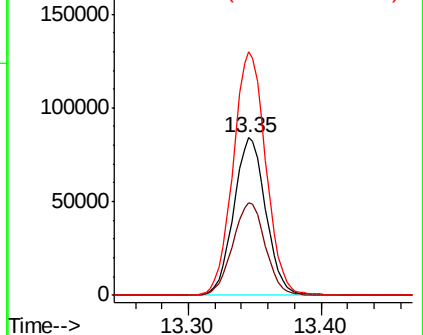


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

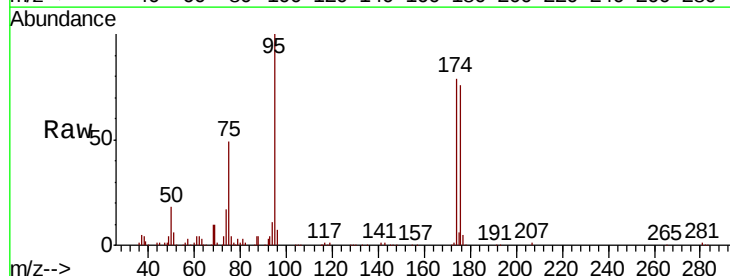
Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane
Concen: 24.459 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN059477.D
Acq: 4 Dec 2019 10:38

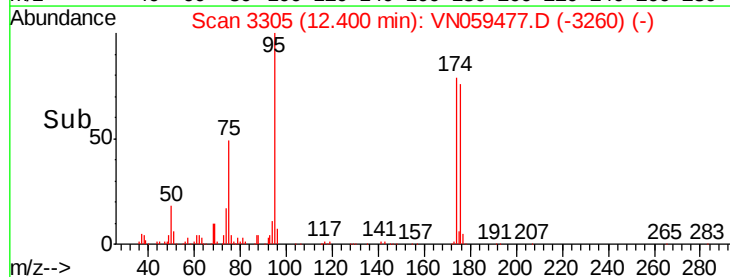
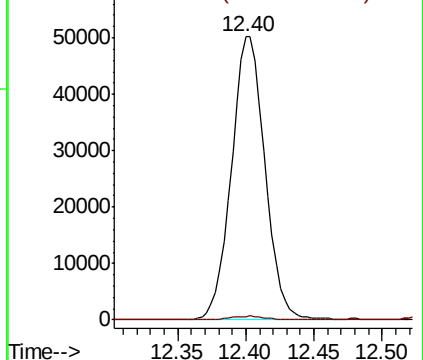
Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	0.0	0.0#

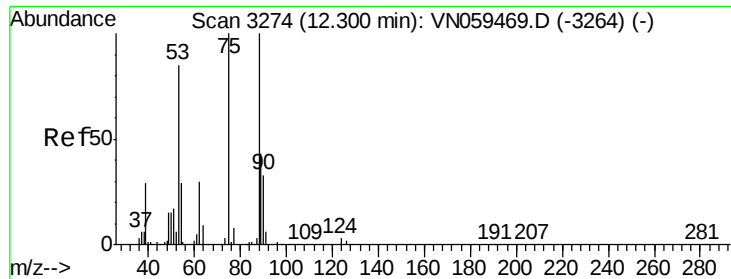


Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 64.190 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN059477.D

Acq: 4 Dec 2019 10:38

Instrument :

MSVOA_N

ClientSampleId :

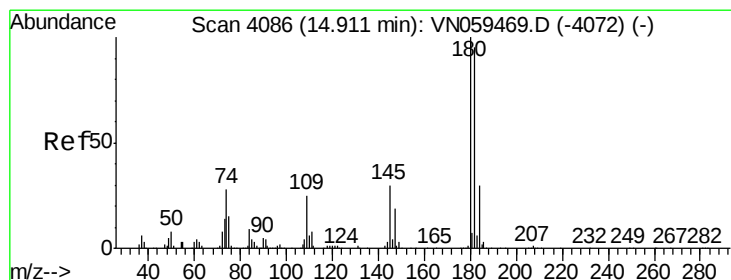
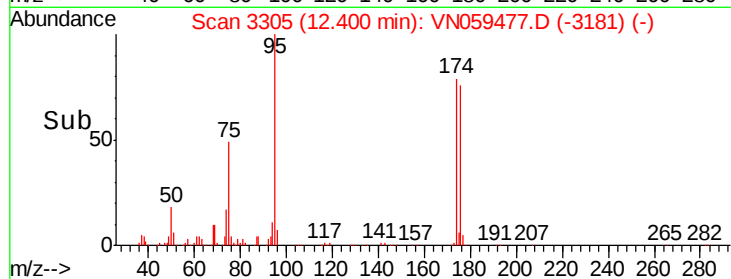
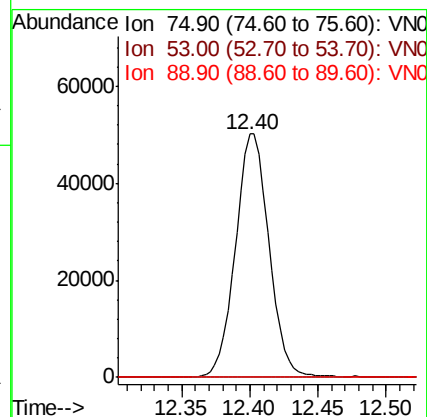
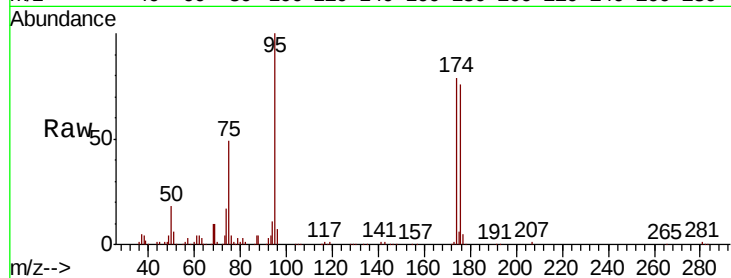
Tot Ion: 75 Resp: 85768

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

89 0.0 35.2 52.8#



#93

1,2,4-Trichlorobenzene

Concen: 0.549 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. 0.01 min

Lab File: VN059477.D

Acq: 4 Dec 2019 10:38

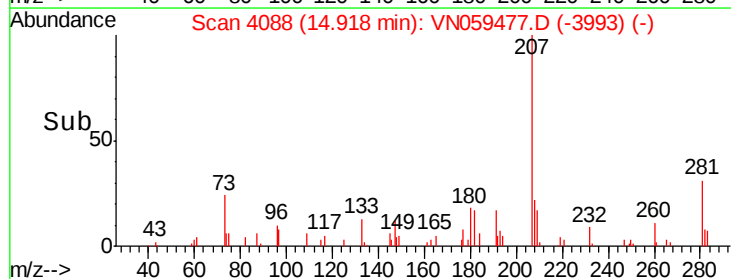
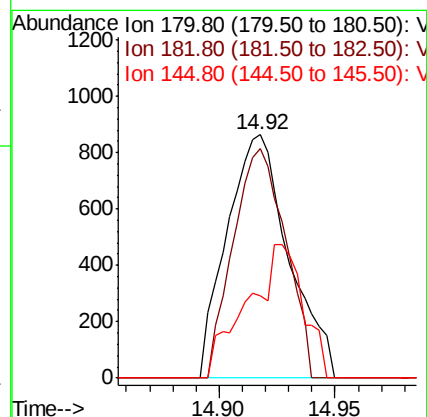
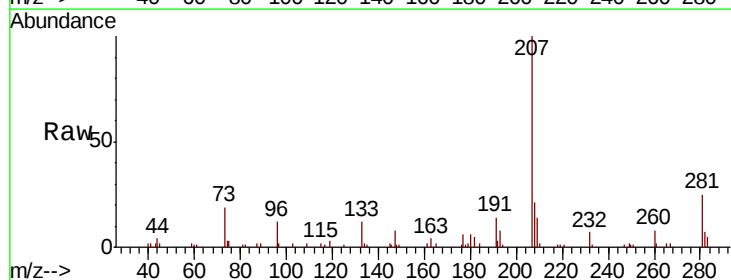
Tgt Ion:180 Resp: 1601

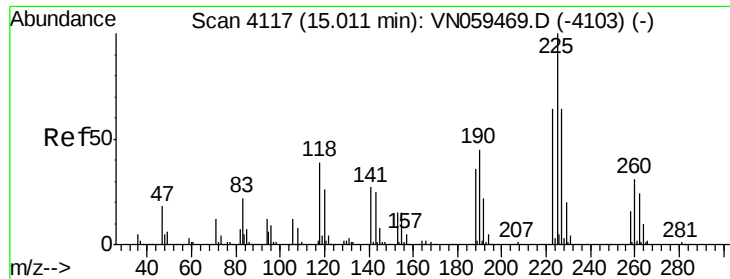
Ion Ratio Lower Upper

180 100

182 79.8 48.0 144.2

145 49.7 15.2 45.6#

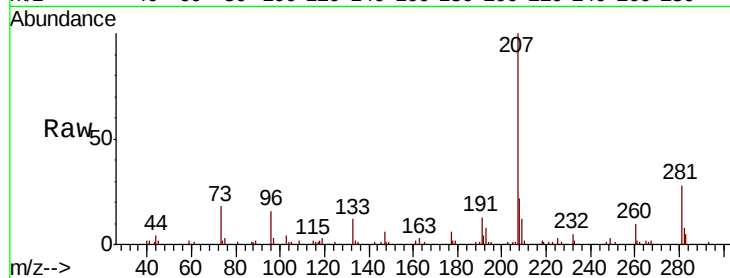




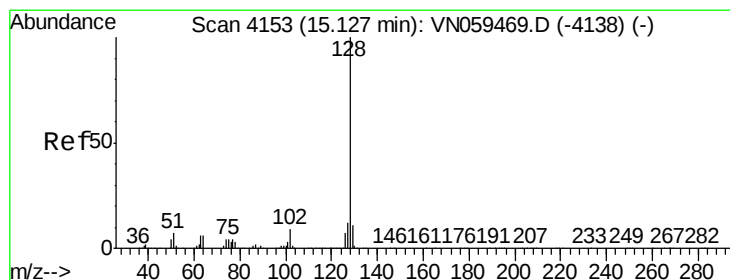
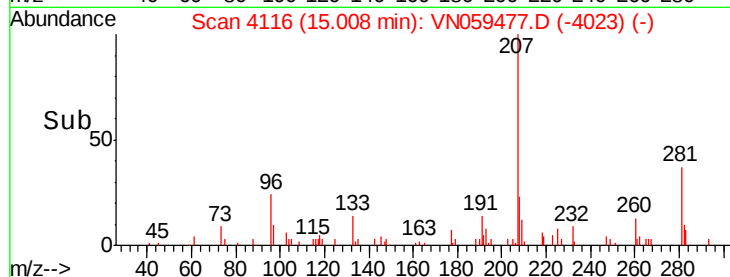
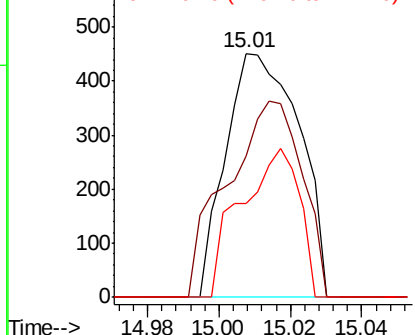
#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.01 min Scan# 4116
Delta R.T. -0.00 min
Lab File: VN059477.D
Acq: 4 Dec 2019 10:38

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:225 Resp: 642
Ion Ratio Lower Upper
225 100
223 82.4 31.9 95.5
227 48.8 32.0 96.2

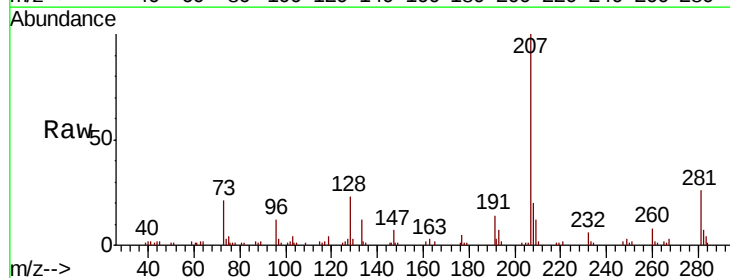


Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

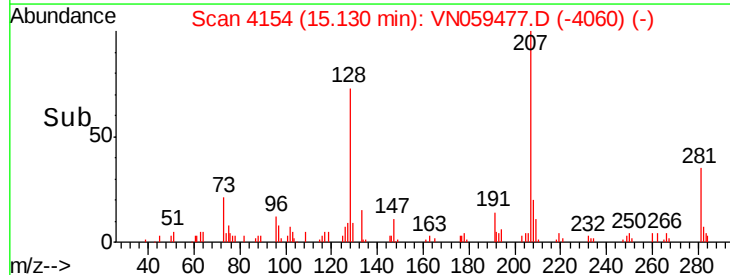
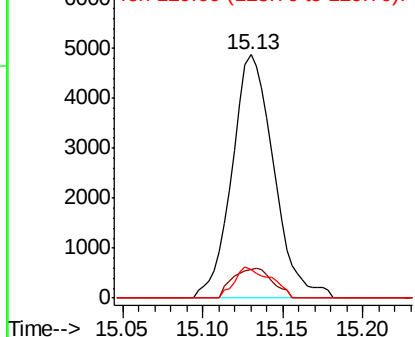


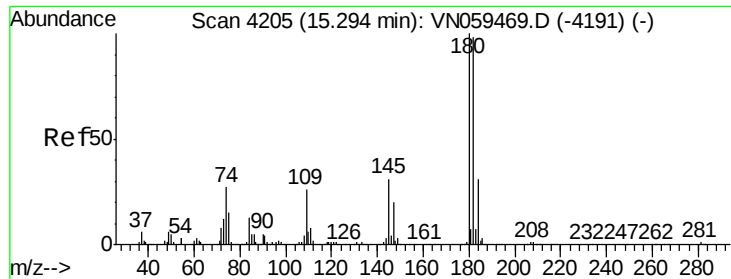
#95
Naphthalene
Concen: 3.454 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059477.D
Acq: 4 Dec 2019 10:38

Tgt Ion:128 Resp: 8673
Ion Ratio Lower Upper
128 100
127 11.6 10.2 15.4
129 10.9 8.8 13.2



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

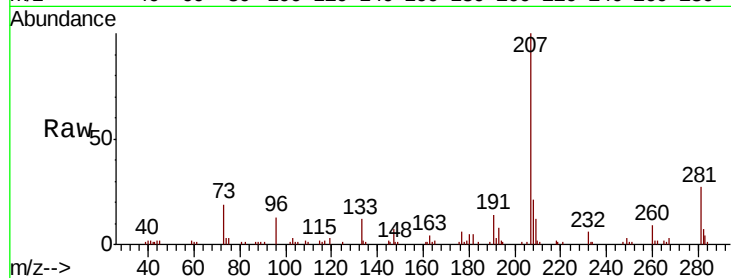




#96
 1,2,3-Trichlorobenzene
 Concen: 2.714 ug/l
 RT: 15.30 min Scan# 4207
 Delta R.T. 0.01 min
 Lab File: VN059477.D
 Acq: 4 Dec 2019 10:38

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	85.2	48.5	145.5
145	21.2	16.1	48.2



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

