

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012020\
 Data File : VN059778.D
 Acq On : 20 Jan 2020 11:18
 Operator : JC/MD
 Sample : VN0120WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 21 01:14:49 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	198886	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	295752	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	256583	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	107043	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	104955	47.52	ug/l	0.00
Spiked Amount			Recovery	=	95.04%	
35) Dibromofluoromethane	7.57	113	90681	51.42	ug/l	0.00
Spiked Amount			Recovery	=	102.84%	
50) Toluene-d8	10.08	98	342774	50.16	ug/l	0.00
Spiked Amount			Recovery	=	100.32%	
62) 4-Bromofluorobenzene	12.40	95	114297	46.40	ug/l	0.00
Spiked Amount			Recovery	=	92.80%	

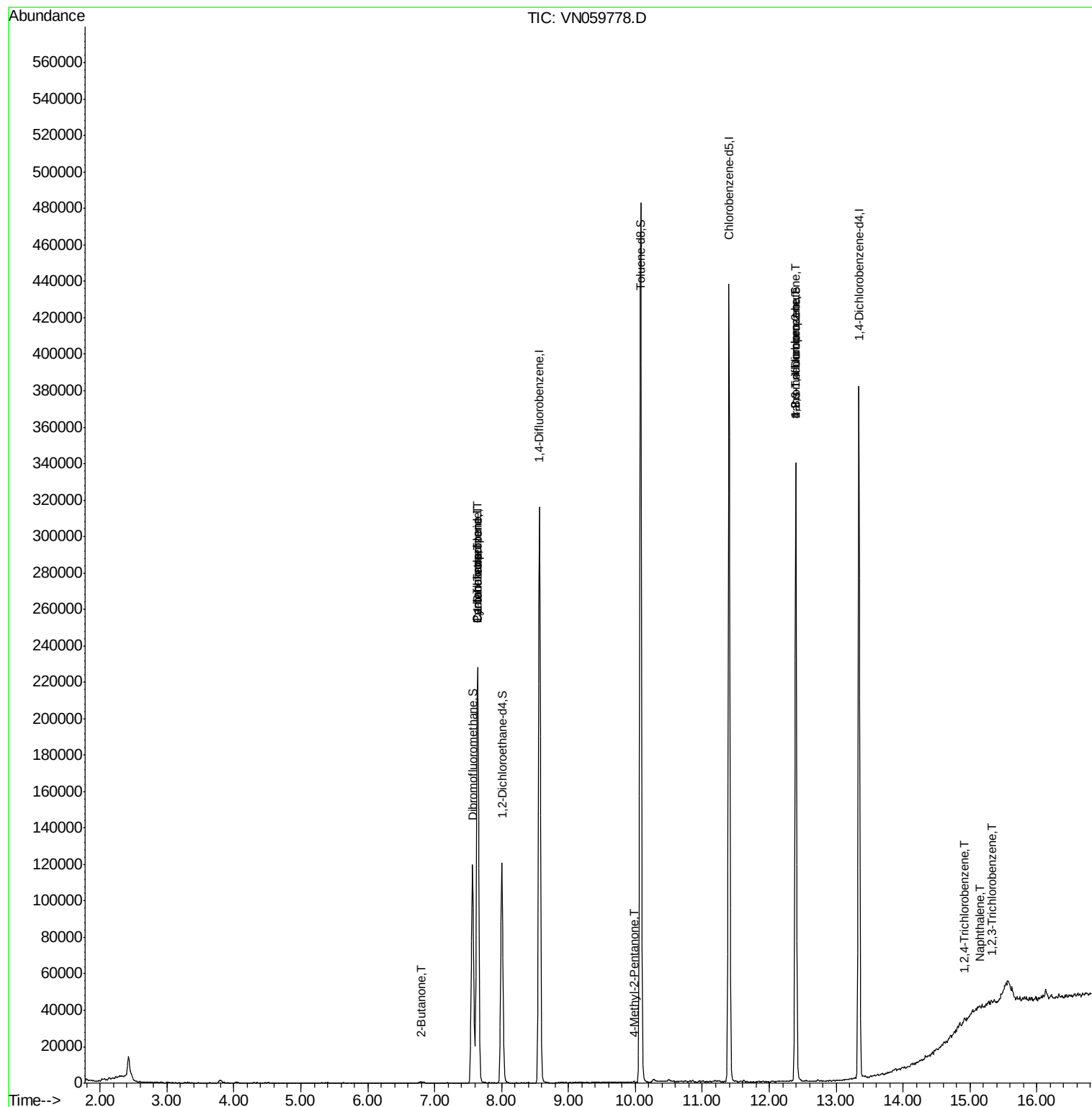
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	3247	Below Cal		93
20) Methylene Chloride	4.52	84	161	Below Cal	#	44
25) 2-Butanone	6.81	43	348	0.278	ug/l #	50
31) Cyclohexane	7.64	56	3822	1.170	ug/l #	2
36) 1,1-Dichloropropene	7.64	75	13241	5.141	ug/l #	51
38) Carbon Tetrachloride	7.64	117	18108	6.463	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	587	0.244	ug/l #	38
76) 1,2,3-Trichloropropane	12.40	75	56210	31.203	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	56210	67.009	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.26	75	295	Below Cal	#	6
93) 1,2,4-Trichlorobenzene	14.91	180	483	0.235	ug/l #	67
95) Naphthalene	15.13	128	1661	0.285	ug/l #	76
96) 1,2,3-Trichlorobenzene	15.32	180	725	0.363	ug/l	93

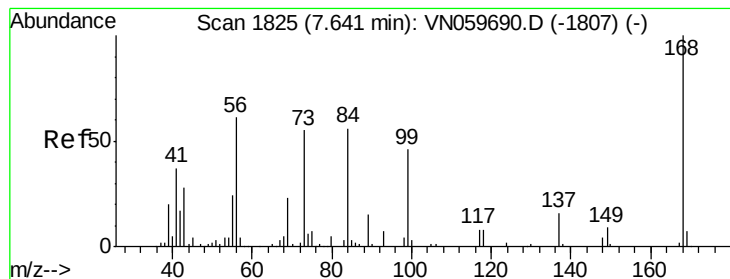
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN012020\
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Quant Title : SW846 8260
QLast Update : Sat Jan 18 03:09:32 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059778.D

Acq: 20 Jan 2020 11:18

Instrument :

MSVOA_N

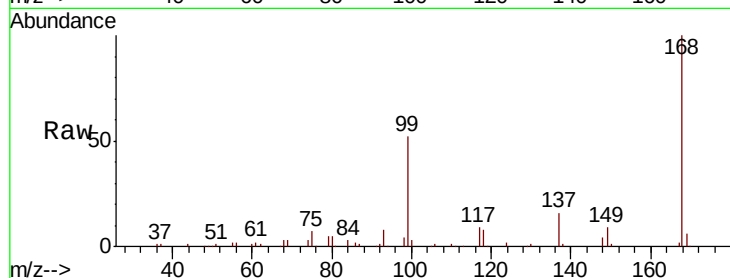
ClientSampleId :

Tot Ion:168 Resp: 198886

Ion Ratio Lower Upper

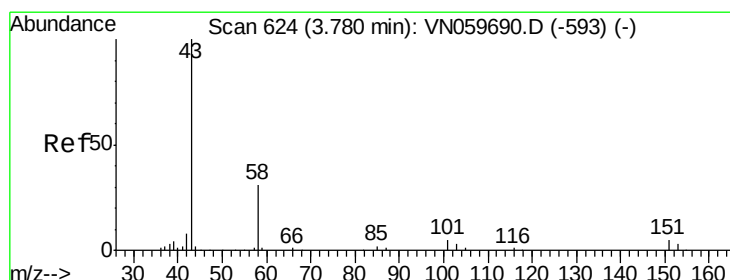
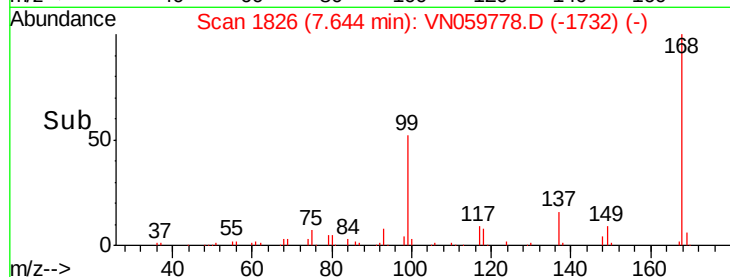
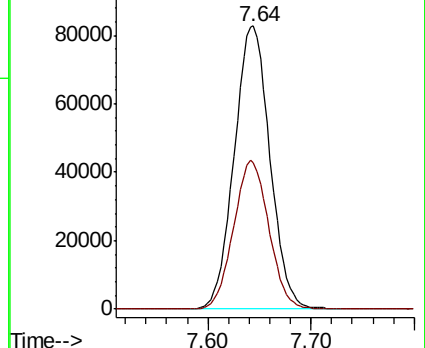
168 100

99 51.5 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) (-)



#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN059778.D

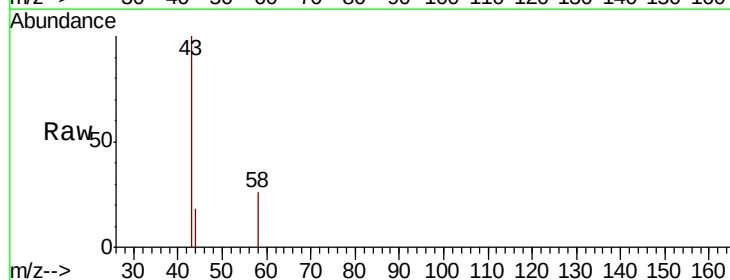
Acq: 20 Jan 2020 11:18

Tgt Ion: 43 Resp: 3247

Ion Ratio Lower Upper

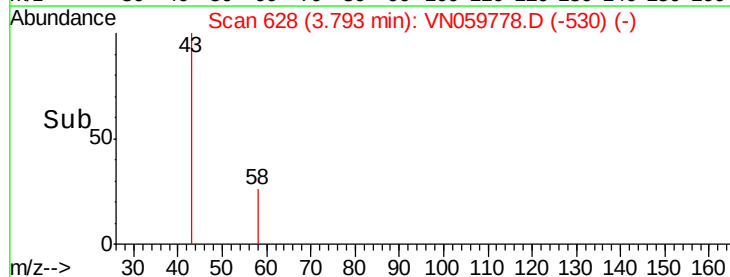
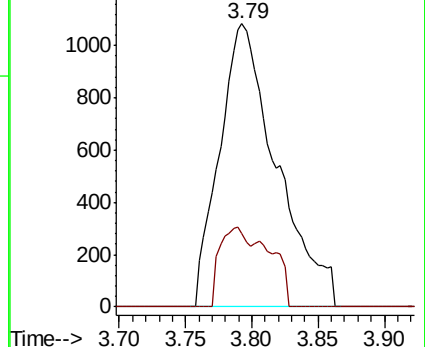
43 100

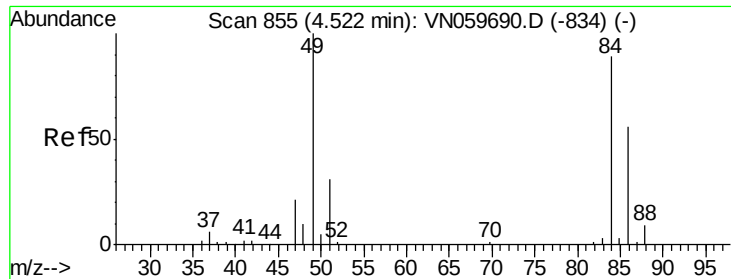
58 25.9 23.6 35.4



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

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

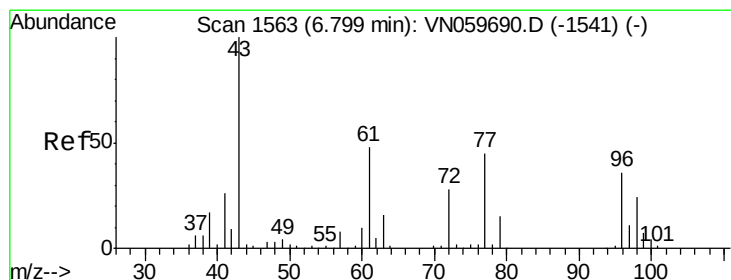
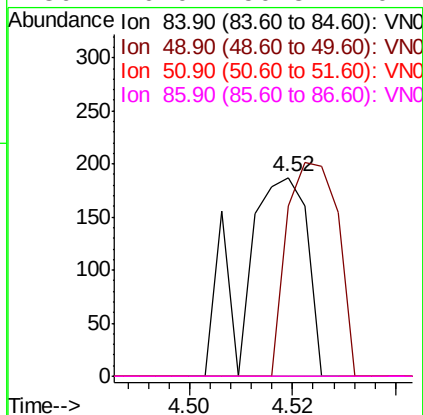
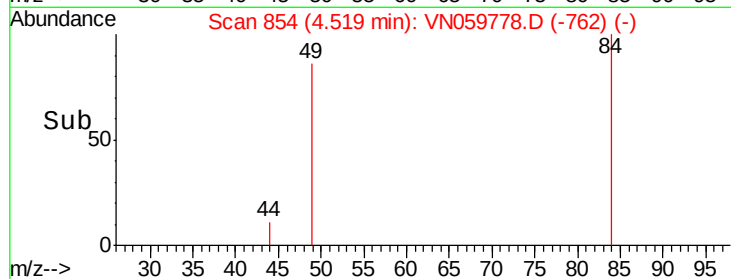
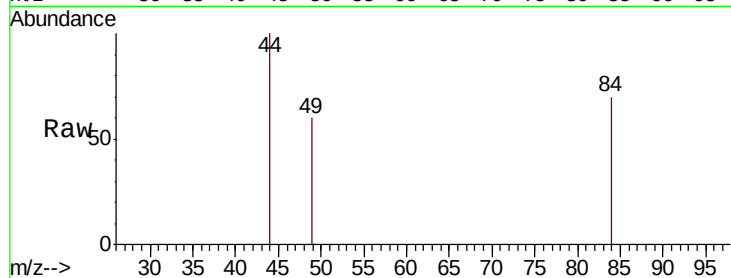




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059778.D
Acq: 20 Jan 2020 11:18

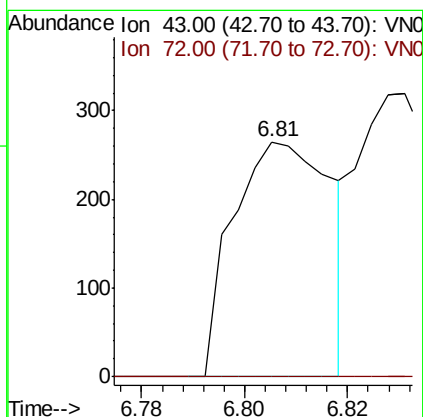
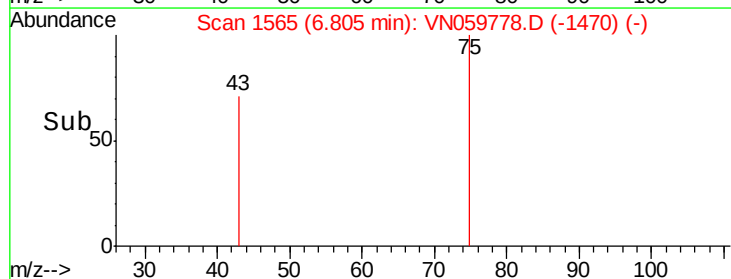
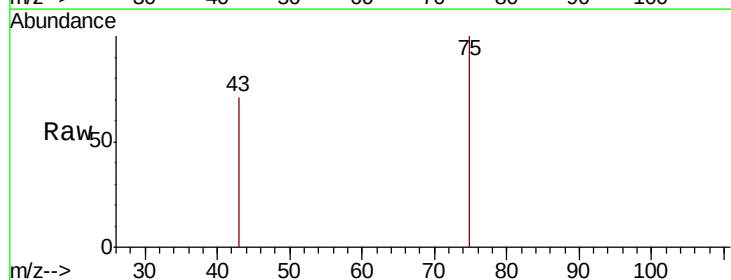
Instrument :
MSVOA_N
ClientSampled :

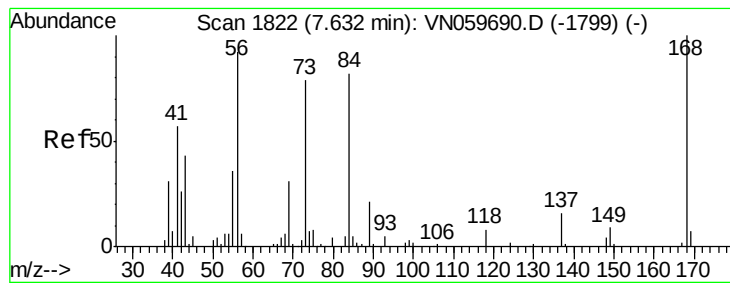
Tot Ion: 84 Resp: 161
Ion Ratio Lower Upper
84 100
49 85.6 106.6 160.0#
51 0.0 31.9 47.9#
86 0.0 50.8 76.2#



#25
2-Butanone
Concen: 0.278 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. 0.01 min
Lab File: VN059778.D
Acq: 20 Jan 2020 11:18

Tgt Ion: 43 Resp: 348
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#





#31

Cyclohexane

Concen: 1.170 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.01 min

Lab File: VN059778.D

Acq: 20 Jan 2020 11:18

Instrument :

MSVOA_N

ClientSampleId :

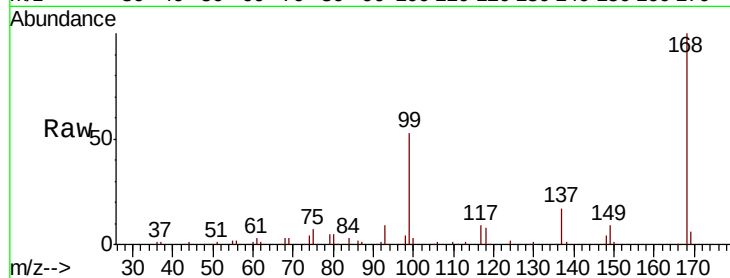
Tot Ion: 56 Resp: 3822

Ion Ratio Lower Upper

56 100

69 146.2 26.5 39.7#

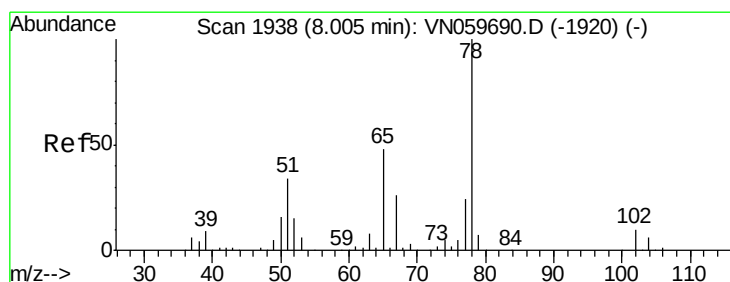
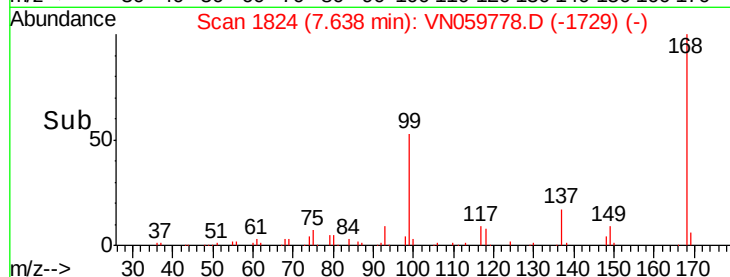
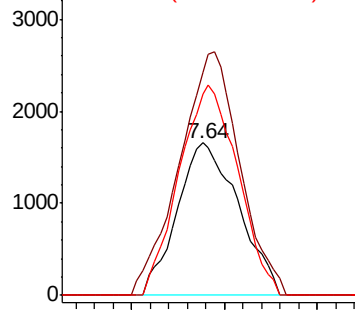
84 131.7 65.3 97.9#



Abundance Ion 56.00 (55.70 to 56.70): VN059690.D (-1799) (-)

Ion 69.00 (68.70 to 69.70): VN059690.D (-1799) (-)

Ion 84.00 (83.70 to 84.70): VN059690.D (-1799) (-)



#33

1,2-Dichloroethane-d4

Concen: 47.519 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN059778.D

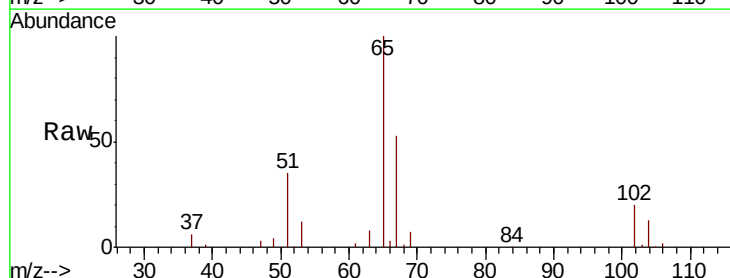
Acq: 20 Jan 2020 11:18

Tgt Ion: 65 Resp: 104955

Ion Ratio Lower Upper

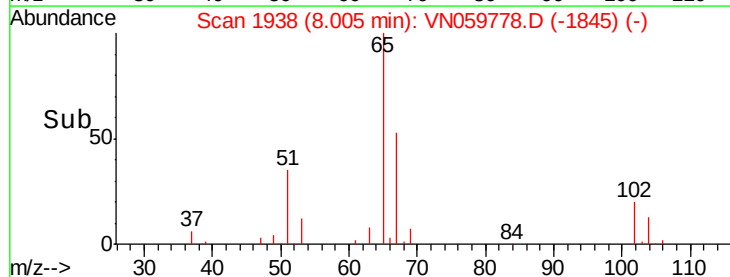
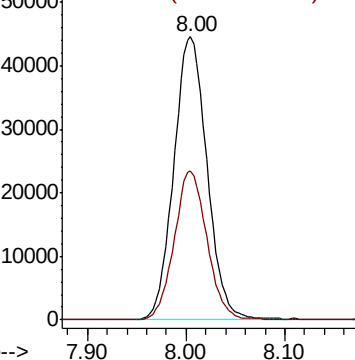
65 100

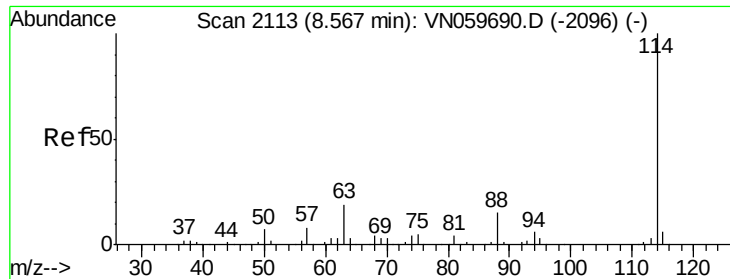
67 51.8 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VN059690.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN059690.D (-1920) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN059778.D

Acq: 20 Jan 2020 11:18

Instrument :

MSVOA_N

ClientSampleId :

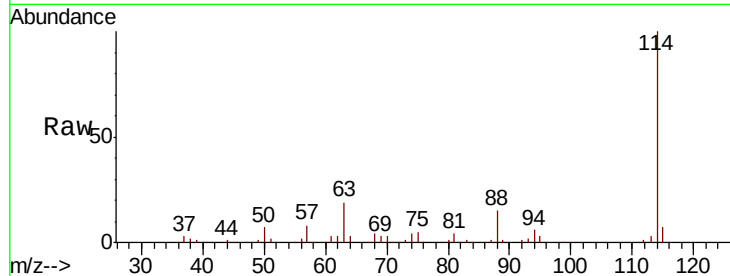
Tot Ion:114 Resp: 295752

Ion Ratio Lower Upper

114 100

63 18.9 0.0 43.6

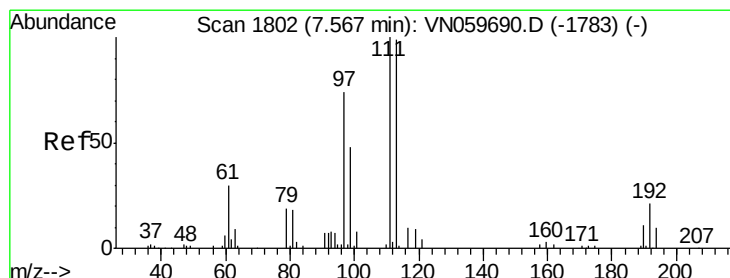
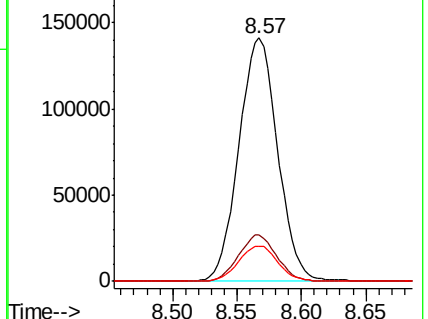
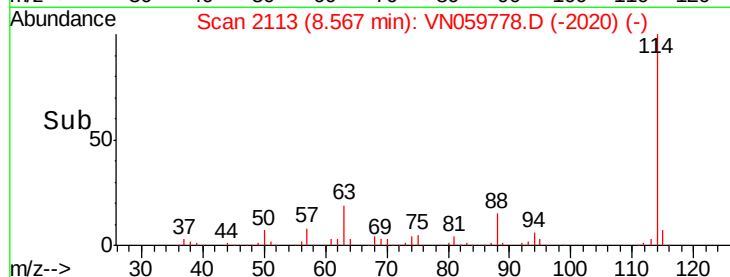
88 14.6 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 51.415 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN059778.D

Acq: 20 Jan 2020 11:18

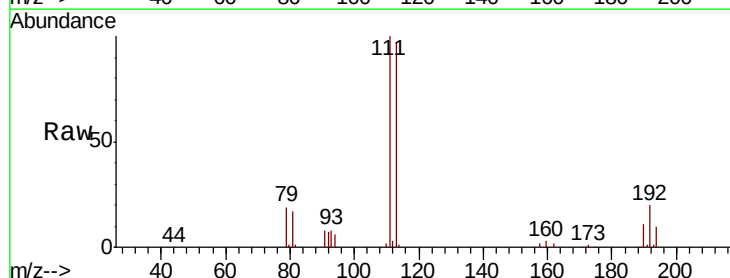
Tgt Ion:113 Resp: 90681

Ion Ratio Lower Upper

113 100

111 102.1 83.5 125.3

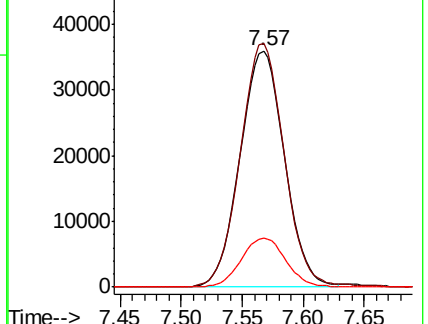
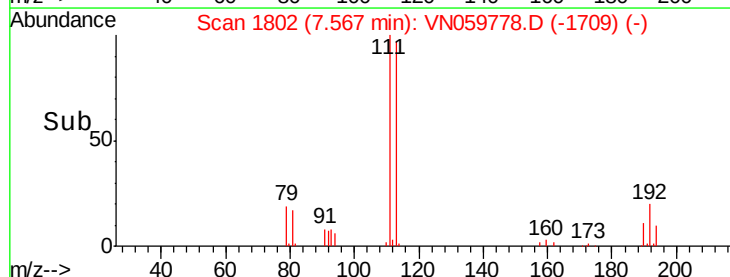
192 20.8 15.4 23.2

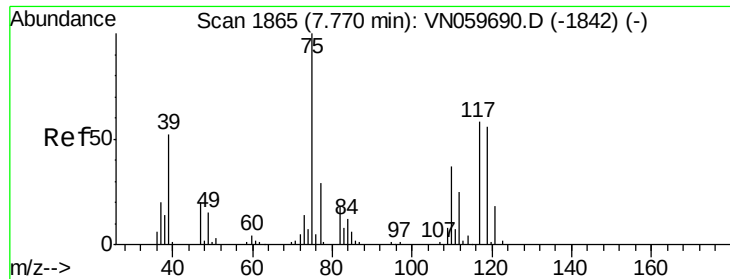


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

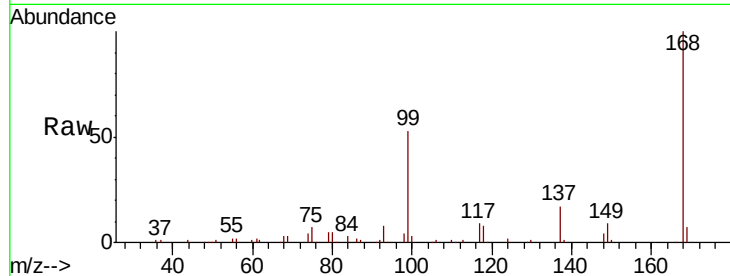




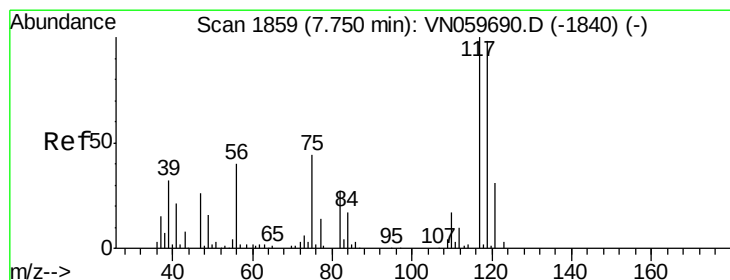
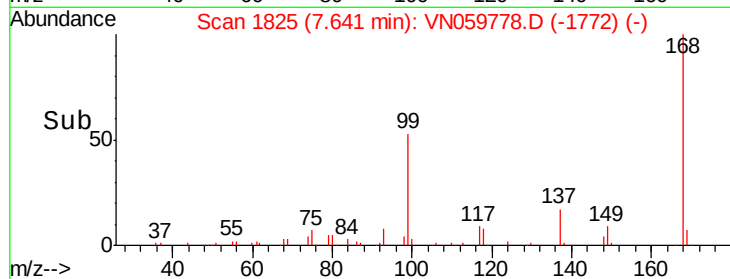
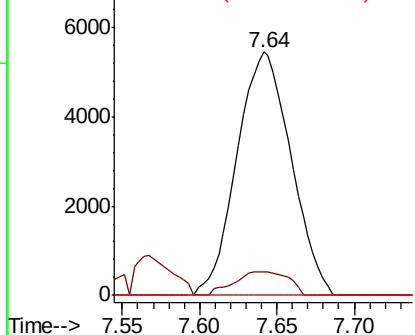
#36
 1,1-Dichloropropene
 Concen: 5.141 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059778.D
 Acq: 20 Jan 2020 11:18

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	75	Resp	13241
Ion Ratio	Lower	Upper	
75	100		
110	9.8	16.6	49.7#
77	0.0	25.1	37.7#

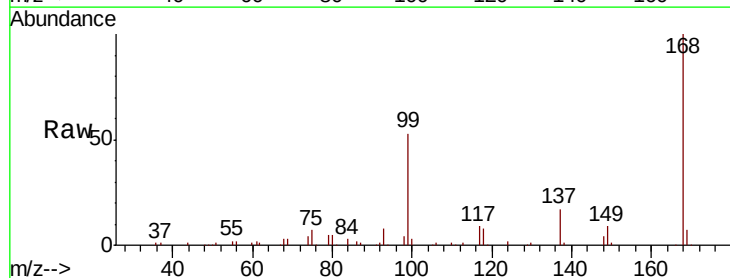


Abundance Ion 74.90 (74.60 to 75.60): VN059690.D (-1842) (-)
 Ion 109.90 (109.60 to 110.60): VN059690.D (-1842) (-)
 Ion 76.90 (76.60 to 77.60): VN059690.D (-1842) (-)

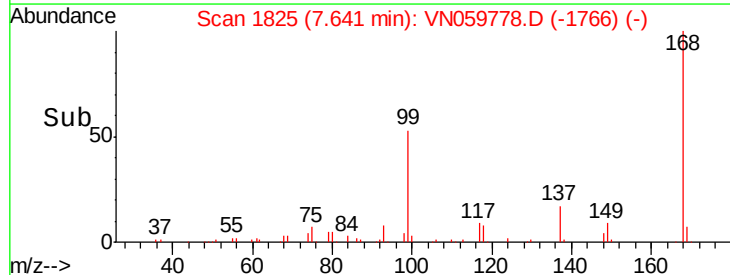
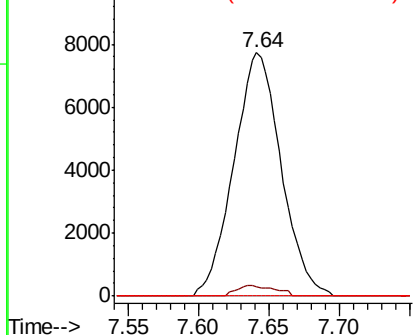


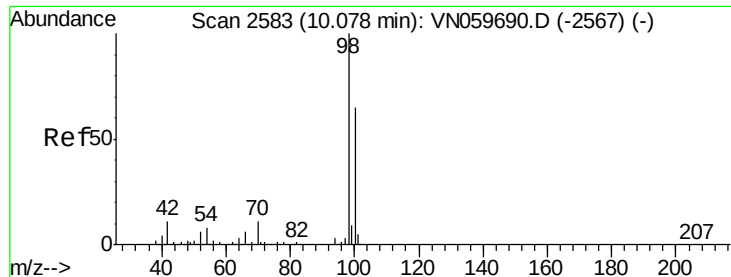
#38
 Carbon Tetrachloride
 Concen: 6.463 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN059778.D
 Acq: 20 Jan 2020 11:18

Tgt Ion	117	Resp	18108
Ion Ratio	Lower	Upper	
117	100		
119	3.9	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) (-)





#50

Toluene-d8

Concen: 50.161 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN059778.D

Acq: 20 Jan 2020 11:18

Instrument :

MSVOA_N

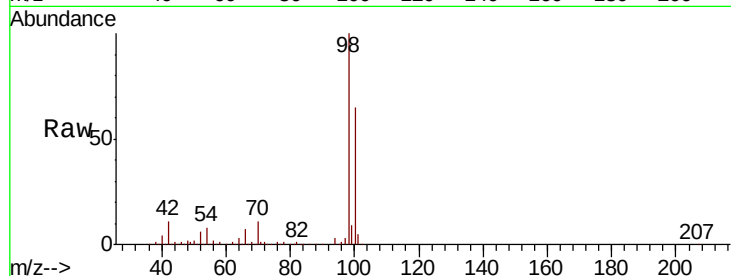
ClientSampled :

Tot Ion: 98 Resp: 342774

Ion Ratio Lower Upper

98 100

100 65.1 51.2 76.8



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

Ion 100.00 (99.70 to 100.70): VN059690.D (-2567) (-)

10.08

200000

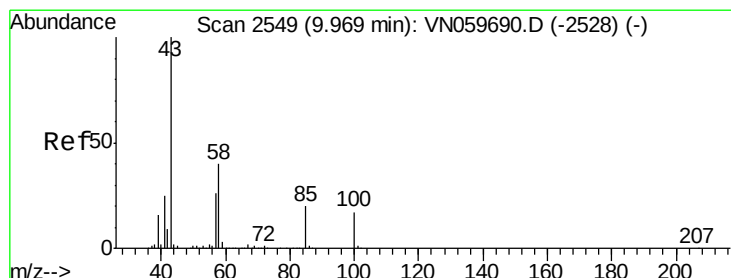
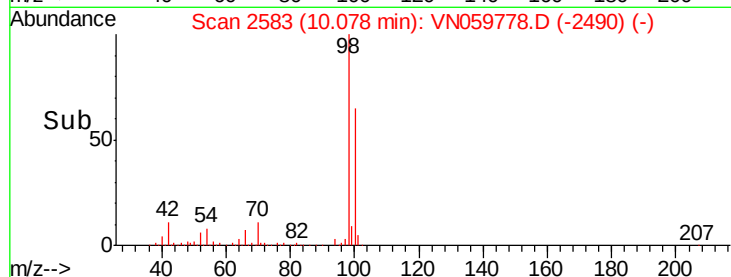
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.244 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN059778.D

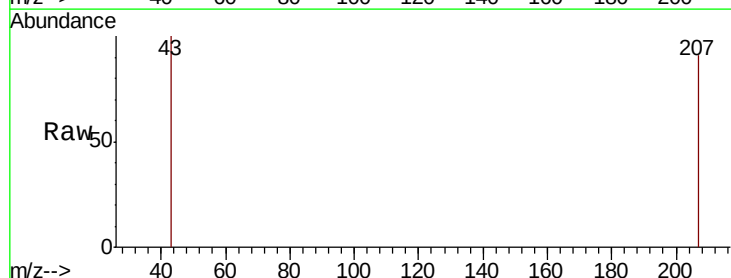
Acq: 20 Jan 2020 11:18

Tgt Ion: 43 Resp: 587

Ion Ratio Lower Upper

43 100

58 0.0 29.8 44.8#



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

Ion 58.00 (57.70 to 58.70): VN059690.D (-2528) (-)

9.97

500

400

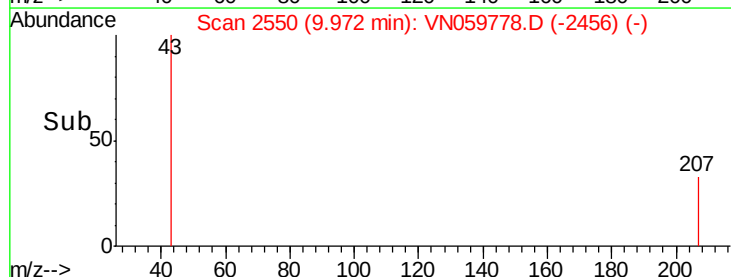
300

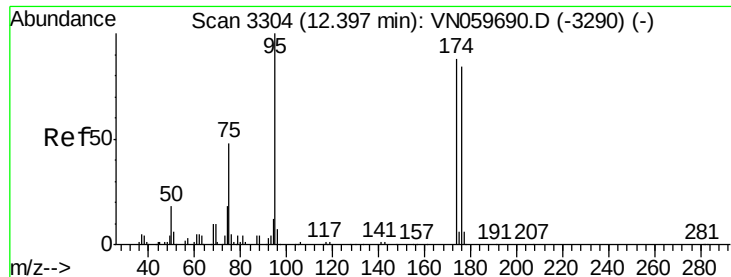
200

100

0

Time-->

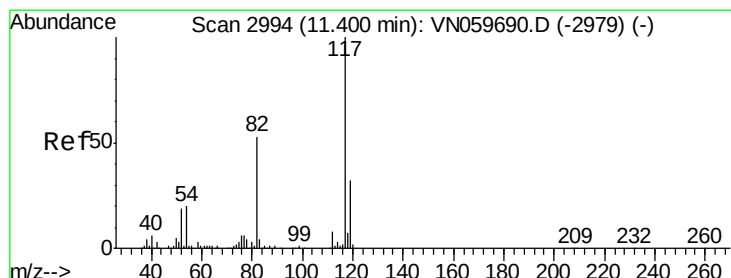
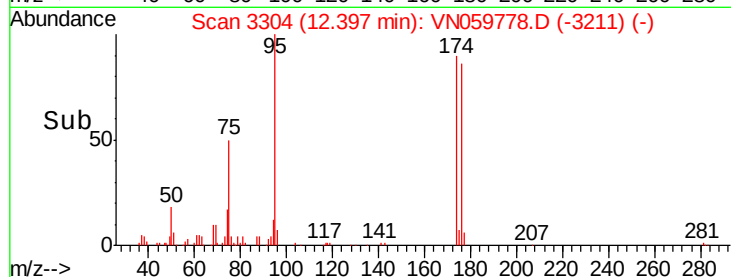
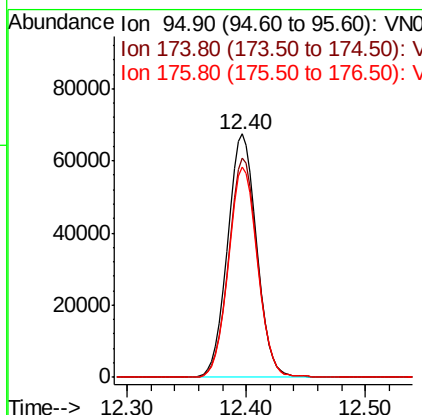
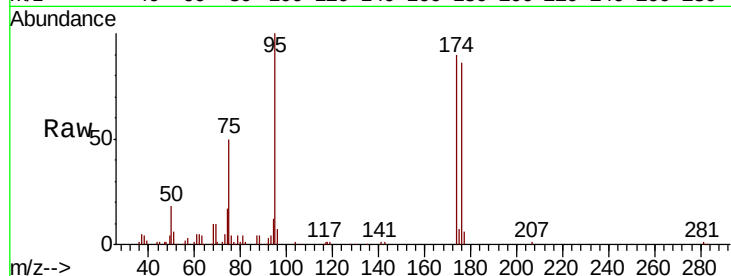




#62
4-Bromofluorobenzene
Concen: 46.397 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN059778.D
Acq: 20 Jan 2020 11:18

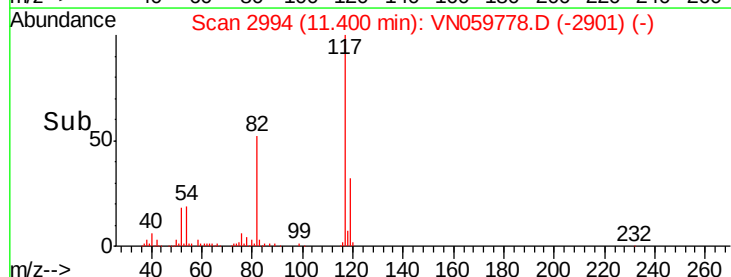
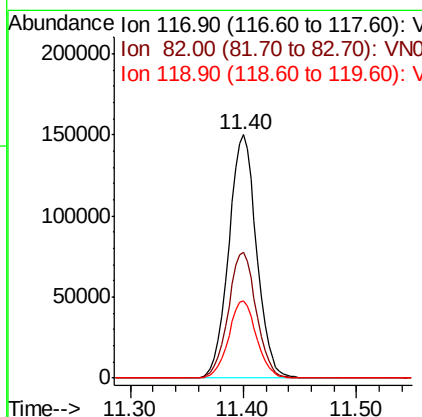
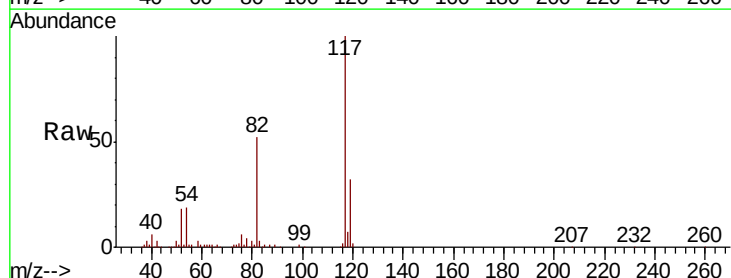
Instrument :
MSVOA_N
ClientSampleId :

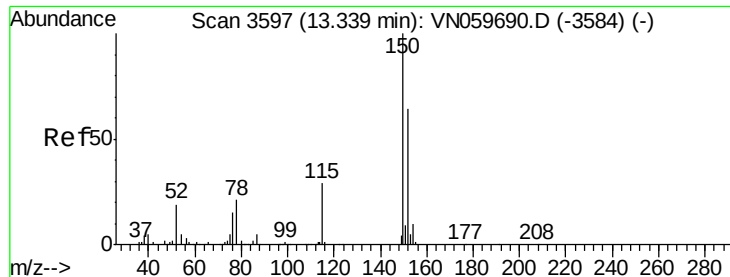
Tot Ion: 95 Resp: 114297
Ion Ratio Lower Upper
95 100
174 88.9 0.0 151.4
176 86.2 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059778.D
Acq: 20 Jan 2020 11:18

Tgt Ion: 117 Resp: 256583
Ion Ratio Lower Upper
117 100
82 51.5 45.9 68.9
119 31.9 25.5 38.3



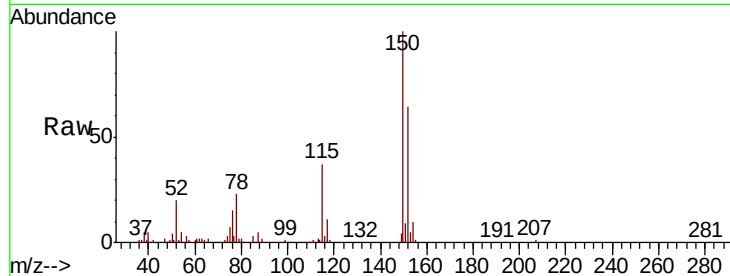


#72

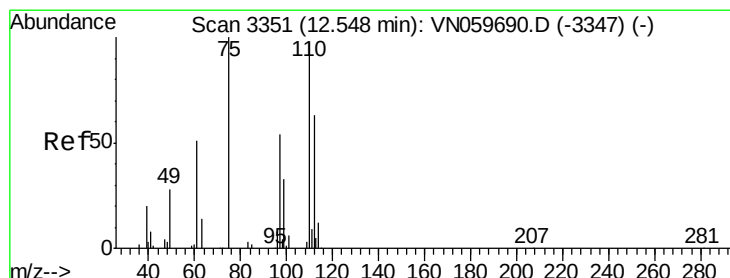
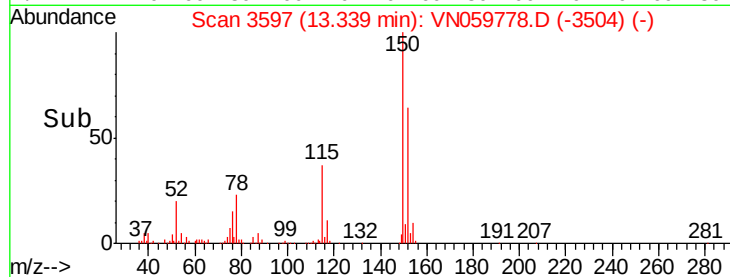
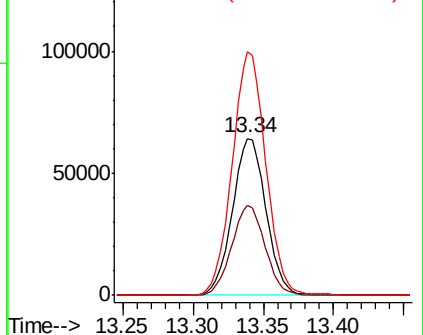
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059778.D
Acq: 20 Jan 2020 11:18

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:152 Resp: 107043
Ion Ratio Lower Upper
152 100
115 57.1 30.3 90.9
150 155.7 0.0 345.2



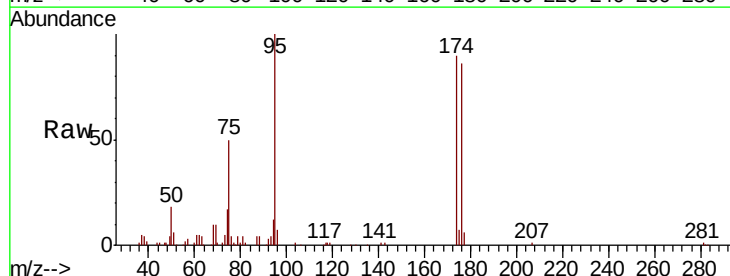
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



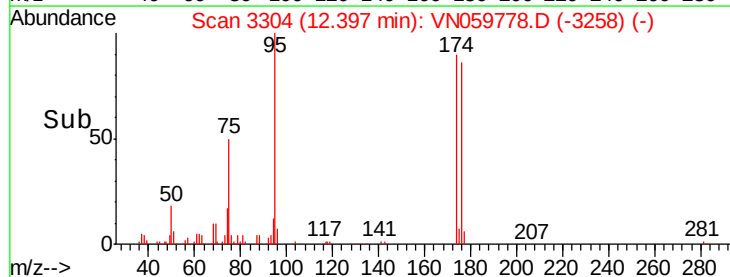
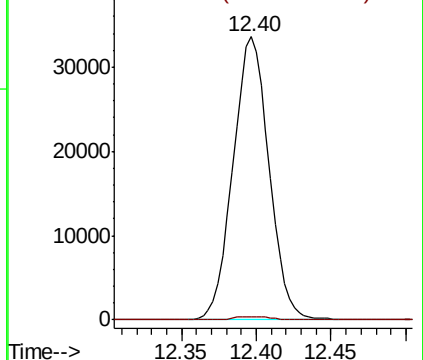
#76

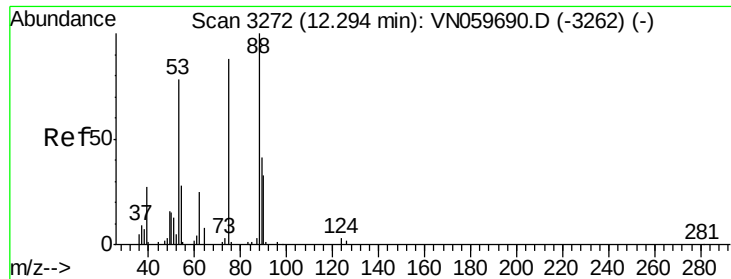
1,2,3-Trichloropropane
Concen: 31.203 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.15 min
Lab File: VN059778.D
Acq: 20 Jan 2020 11:18

Tgt Ion: 75 Resp: 56210
Ion Ratio Lower Upper
75 100
77 1.1 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: 67.009 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN059778.D

Acq: 20 Jan 2020 11:18

Instrument :

MSVOA_N

ClientSampled :

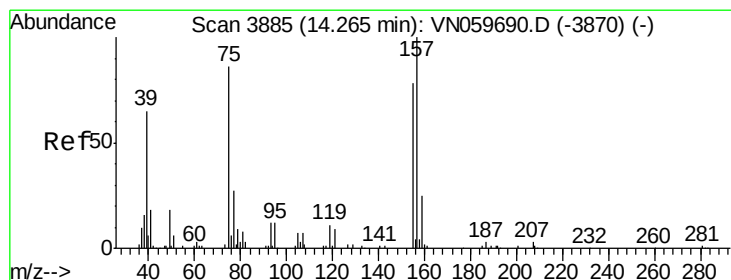
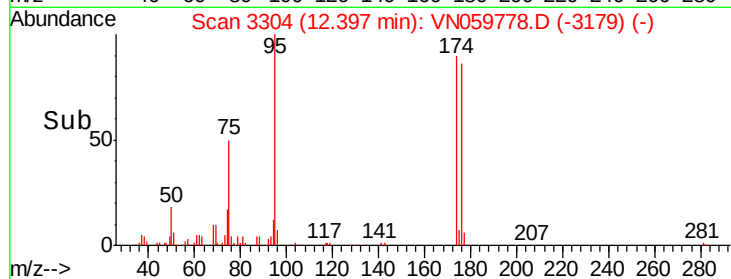
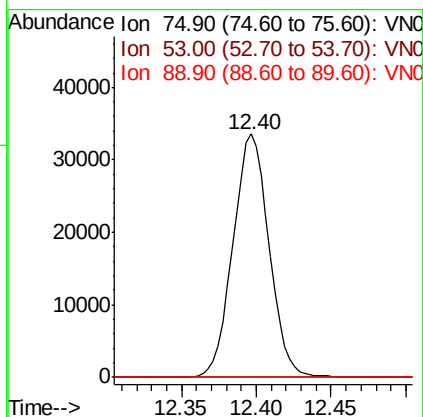
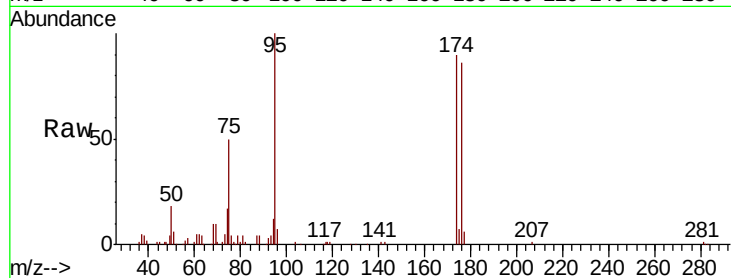
Tot Ion: 75 Resp: 56210

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: 14.26 min Scan# 3884

Delta R.T. -0.00 min

Lab File: VN059778.D

Acq: 20 Jan 2020 11:18

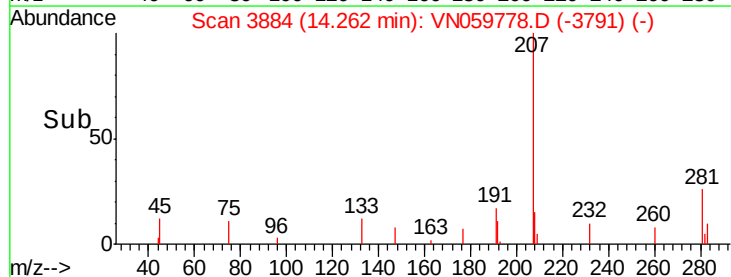
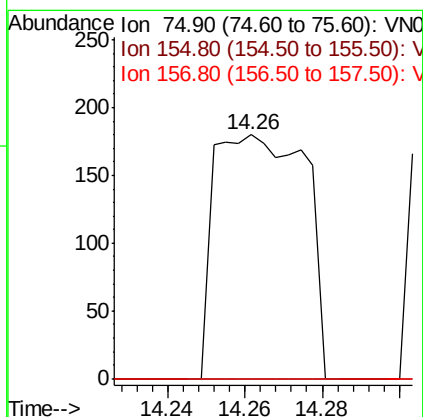
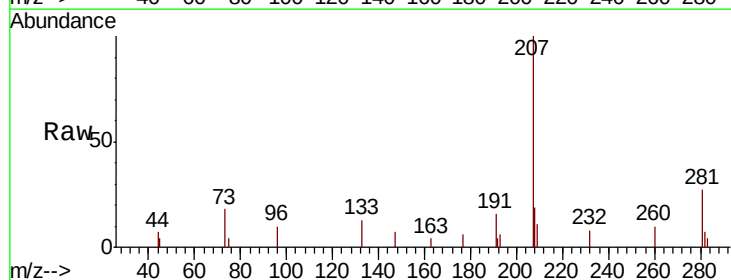
Tgt Ion: 75 Resp: 295

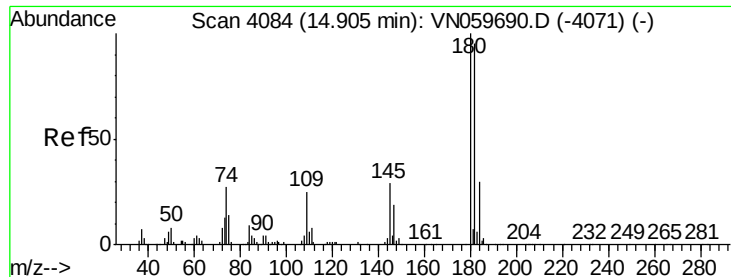
Ion Ratio Lower Upper

75 100

155 0.0 37.0 110.9#

157 0.0 48.4 145.2#

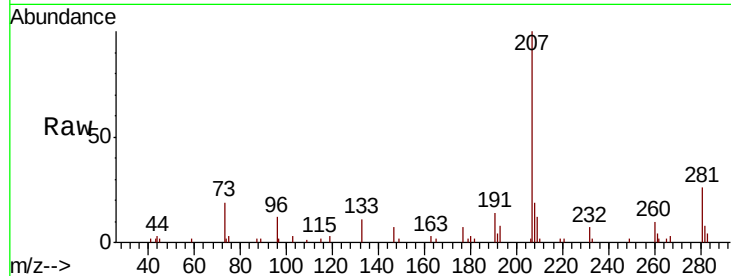




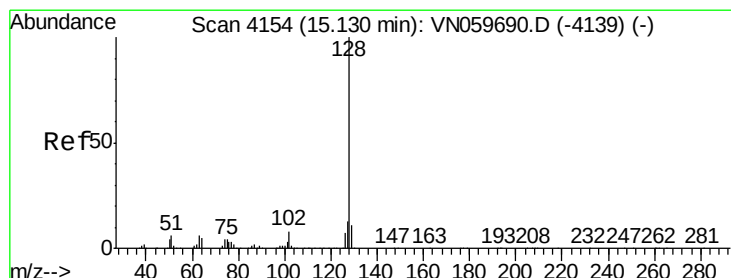
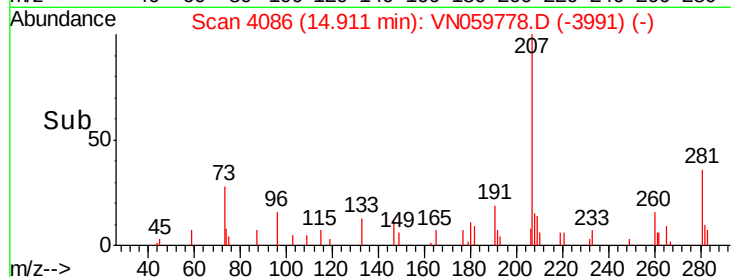
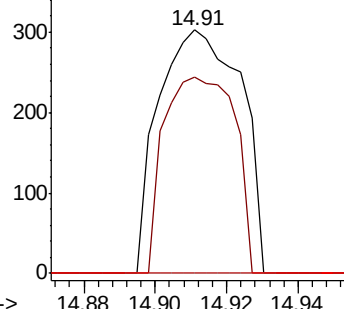
#93
 1,2,4-Trichlorobenzene
 Concen: 0.235 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.01 min
 Lab File: VN059778.D
 Acq: 20 Jan 2020 11:18

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 483
 Ion Ratio Lower Upper
 180 100
 182 69.4 46.9 140.7
 145 0.0 15.0 45.1#

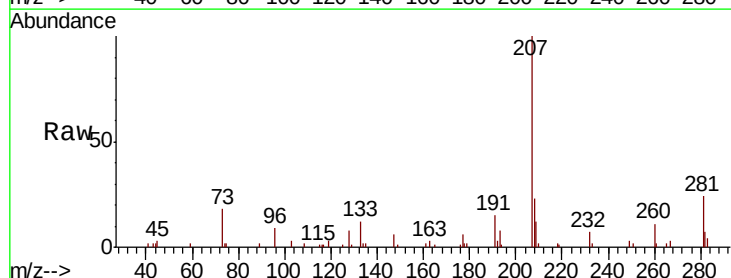


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

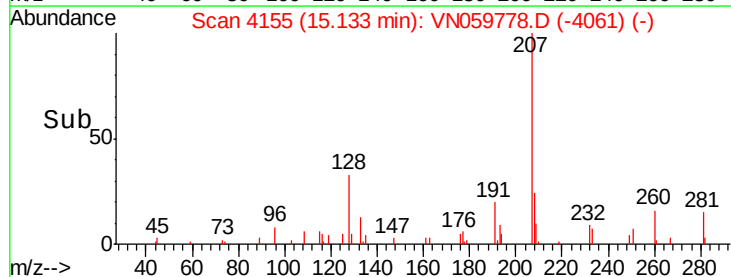
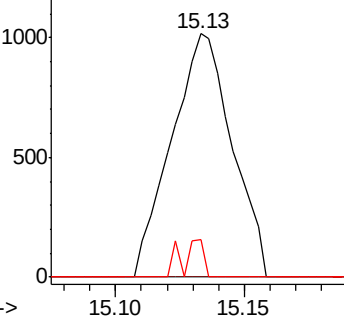


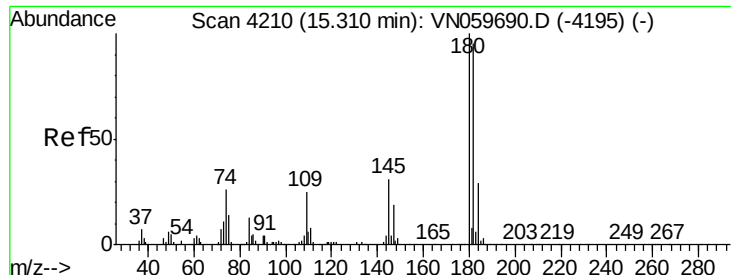
#95
 Naphthalene
 Concen: 0.285 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN059778.D
 Acq: 20 Jan 2020 11:18

Tgt Ion:128 Resp: 1661
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.4 15.6#
 129 5.4 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

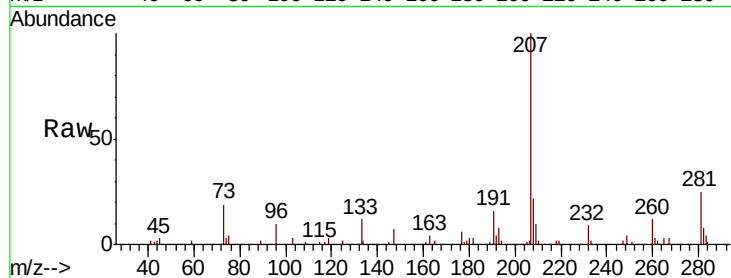




#96
 1,2,3-Trichlorobenzene
 Concen: 0.363 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.01 min
 Lab File: VN059778.D
 Acq: 20 Jan 2020 11:18

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	89.8	47.4	142.3
145	40.4	16.3	48.9

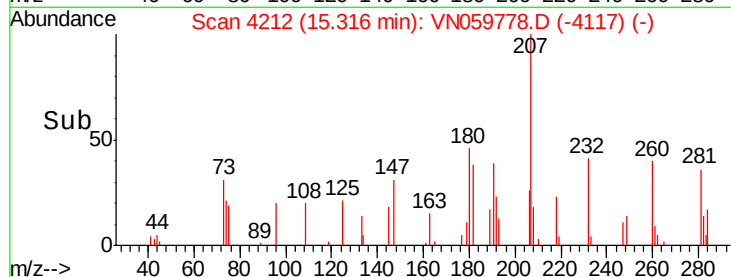
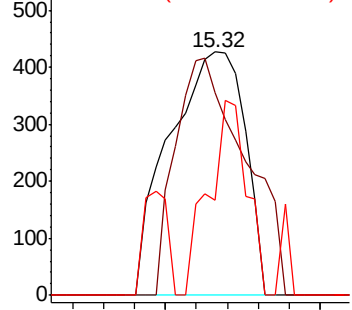


Abundance

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



Time-->