

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110419\
 Data File : VN059077.D
 Acq On : 4 Nov 2019 11:34
 Operator : JC/SP
 Sample : K5612-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GL-STOCKPILE

Quant Time: Nov 05 01:18:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 05:43:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	452820	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	705033	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	614891	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	216570	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	292311	48.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.48%	
35) Dibromofluoromethane	7.57	113	221957	48.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.60%	
50) Toluene-d8	10.08	98	858116	48.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.92%	
62) 4-Bromofluorobenzene	12.40	95	268812	42.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.46%	

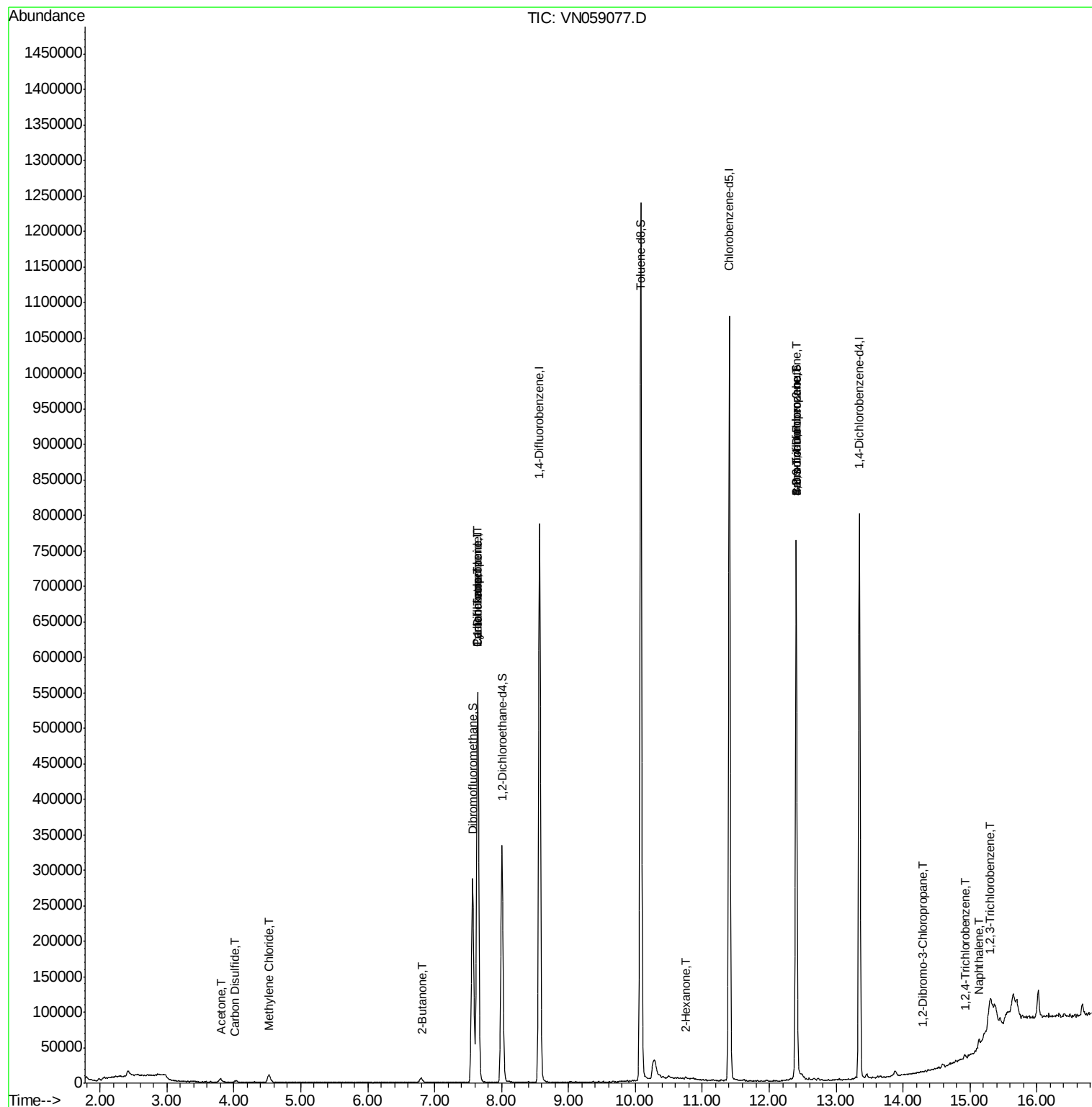
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	8334	2.745	ug/l	94
17) Carbon Disulfide	4.02	76	4123	0.289	ug/l #	88
20) Methylene Chloride	4.52	84	8563	1.611	ug/l	91
25) 2-Butanone	6.82	43	1165	0.288	ug/l #	50
31) Cyclohexane	7.64	56	9588	1.038	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	35368	5.047	ug/l #	50
38) Carbon Tetrachloride	7.64	117	42977	6.293	ug/l #	17
59) 2-Hexanone	10.75	43	1370	0.255	ug/l	67
71) Bromoform	12.41	173	1651	0.459	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	134202	26.186	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	134202	67.128	ug/l #	14
92) 1,2-Dibromo-3-Chloropropan	14.28	75	332	0.271	ug/l #	4
93) 1,2,4-Trichlorobenzene	14.92	180	2008	0.529	ug/l	75
95) Naphthalene	15.13	128	8916	3.694	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	2584	0.668	ug/l	88

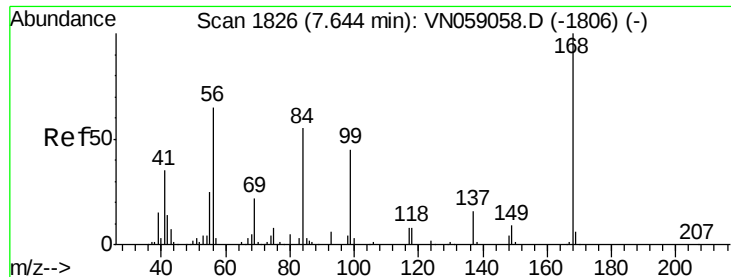
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN059077.D

Acq: 4 Nov 2019 11:34

Instrument :

MSVOA_N

ClientSampleId :

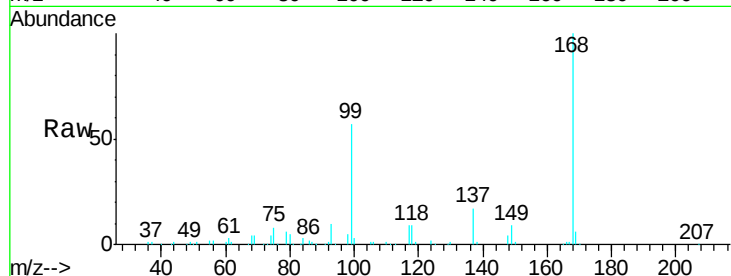
GL-STOCKPILE

Tgt Ion:168 Resp: 452820

Ion Ratio Lower Upper

168 100

99 57.3 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

200000

150000

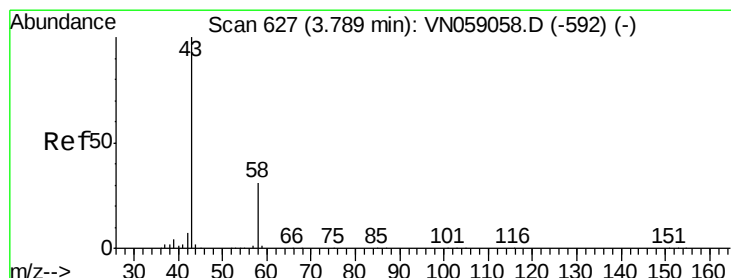
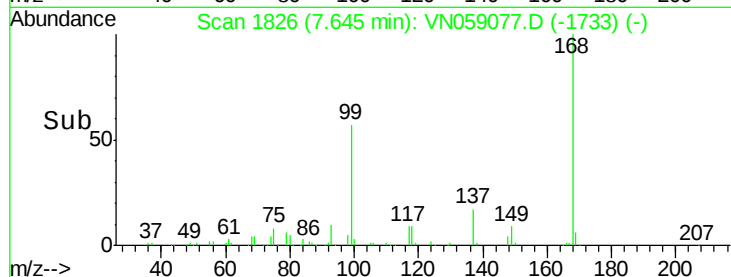
100000

50000

0

7.60 7.70

Time-->



#16

Acetone

Concen: 2.745 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN059077.D

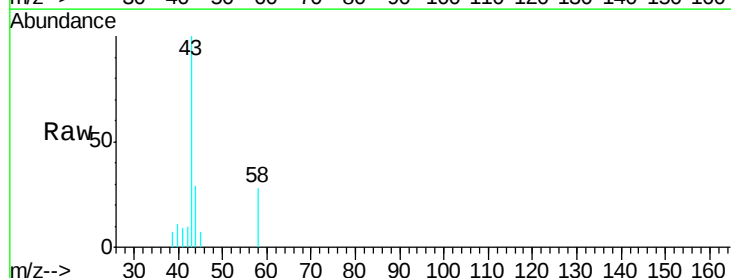
Acq: 4 Nov 2019 11:34

Tgt Ion: 43 Resp: 8334

Ion Ratio Lower Upper

43 100

58 27.8 25.0 37.6



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.80

3000

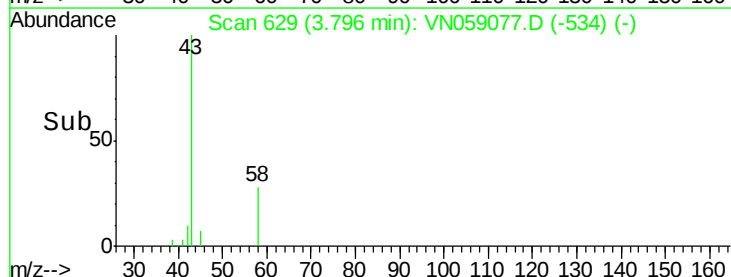
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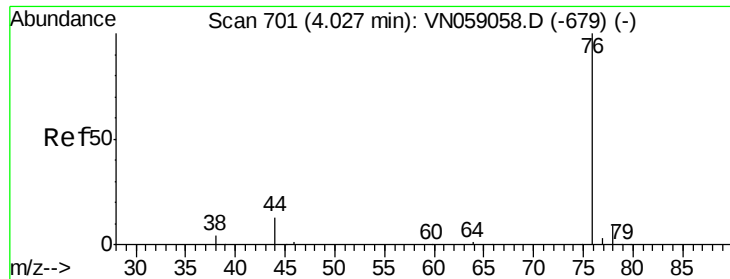
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0

3.70 3.75 3.80 3.85

Time-->

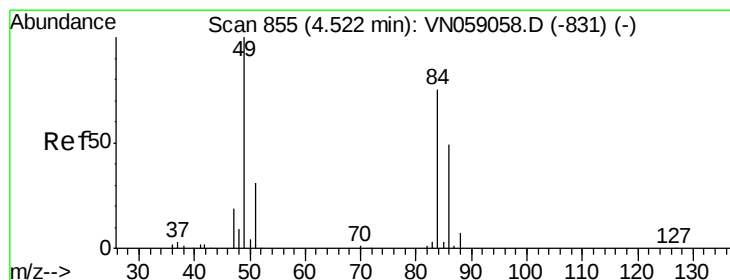
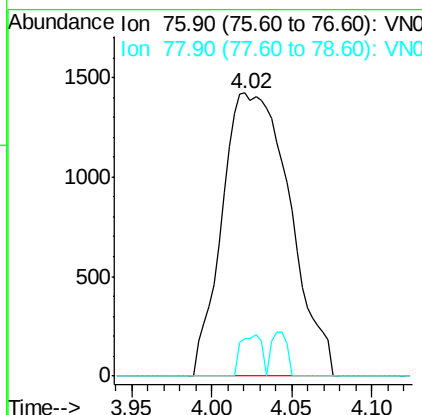
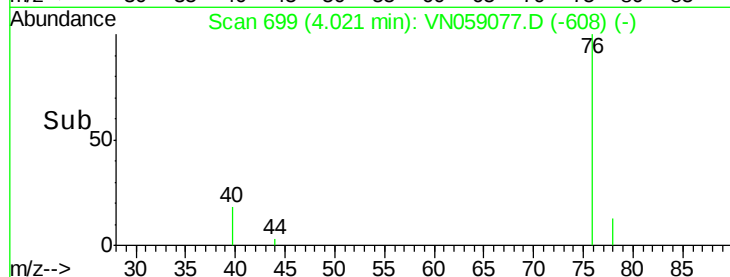
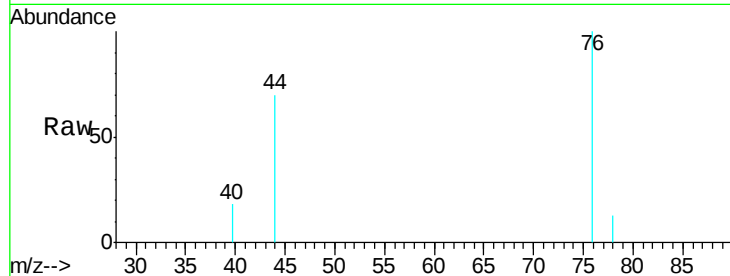




#17
Carbon Disulfide
Concen: 0.289 ug/l
RT: 4.02 min Scan# 699
Delta R.T. -0.01 min
Lab File: VN059077.D
Acq: 4 Nov 2019 11:34

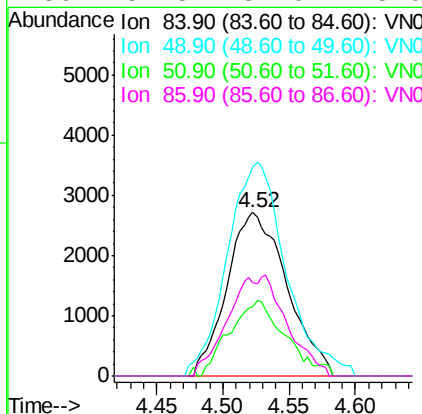
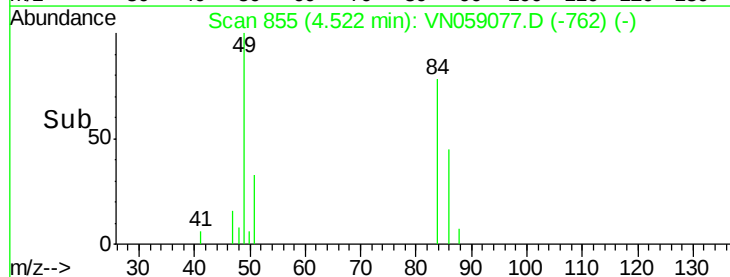
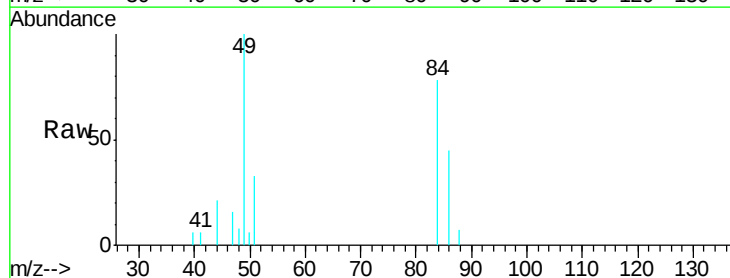
Instrument :
MSVOA_N
ClientSampleId :
GL-STOCKPILE

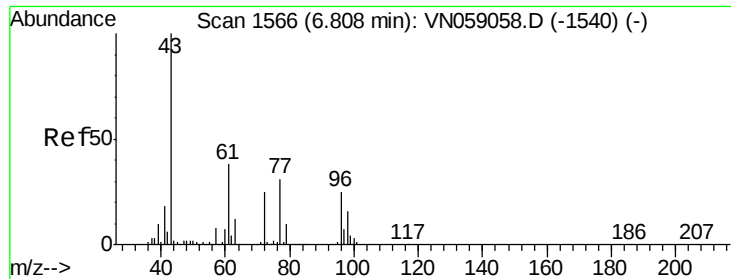
Tgt Ion: 76 Resp: 4123
Ion Ratio Lower Upper
76 100
78 13.2 7.0 10.6#



#20
Methylene Chloride
Concen: 1.611 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059077.D
Acq: 4 Nov 2019 11:34

Tgt Ion: 84 Resp: 8563
Ion Ratio Lower Upper
84 100
49 120.9 106.4 159.6
51 42.6 33.0 49.4
86 57.5 52.0 78.0





#25

2-Butanone

Concen: 0.288 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN059077.D

Acq: 4 Nov 2019 11:34

Instrument :

MSVOA_N

ClientSampleId :

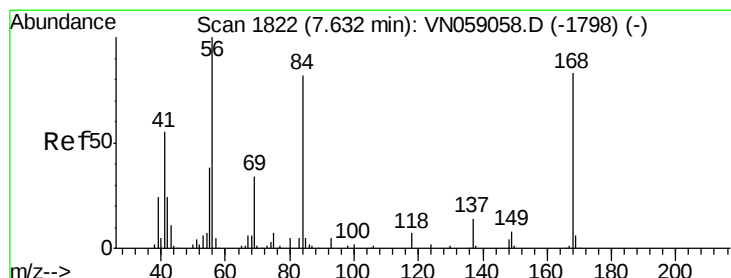
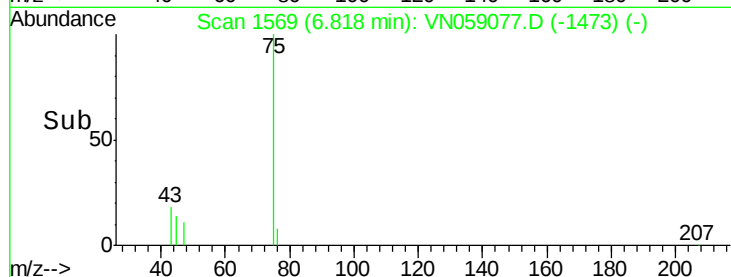
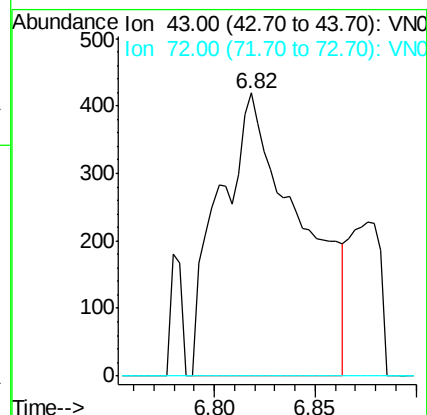
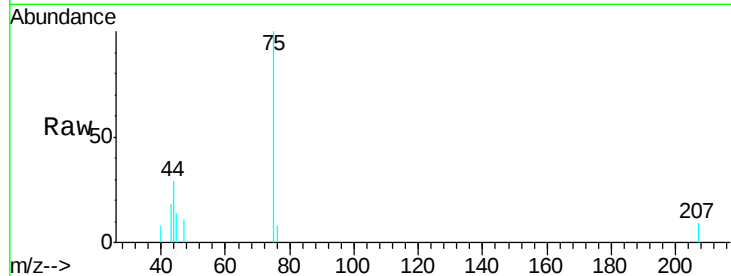
GL-STOCKPILE

Tgt Ion: 43 Resp: 1165

Ion Ratio Lower Upper

43 100

72 0.0 19.9 29.9#



#31

Cyclohexane

Concen: 1.038 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN059077.D

Acq: 4 Nov 2019 11:34

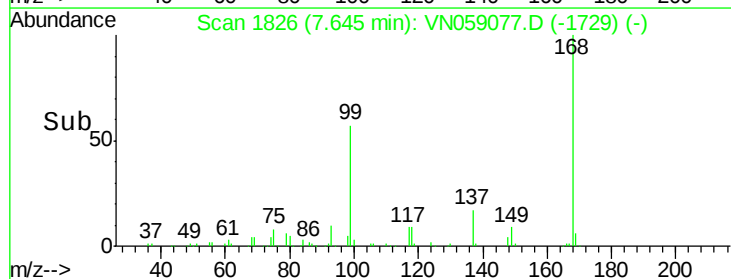
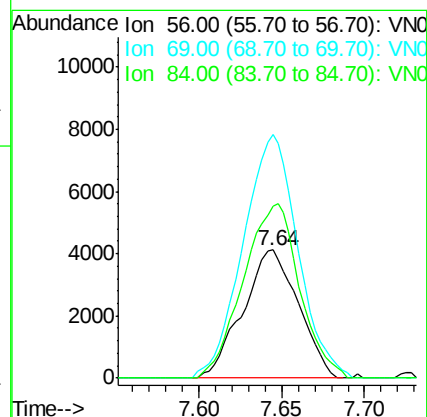
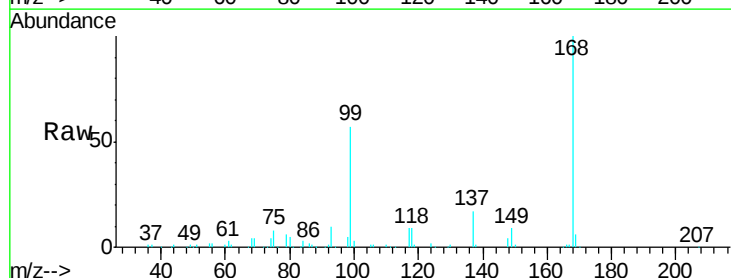
Tgt Ion: 56 Resp: 9588

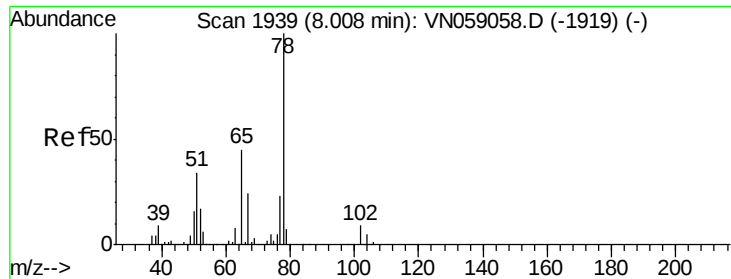
Ion Ratio Lower Upper

56 100

69 190.5 27.2 40.8#

84 134.4 65.2 97.8#

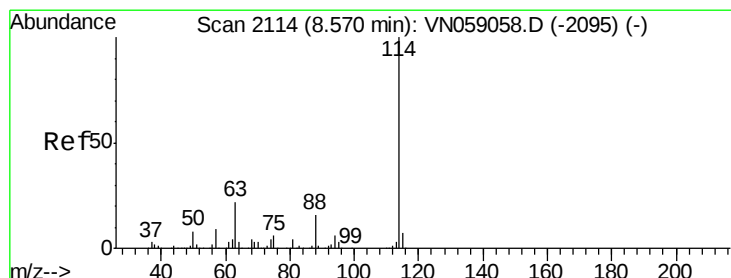
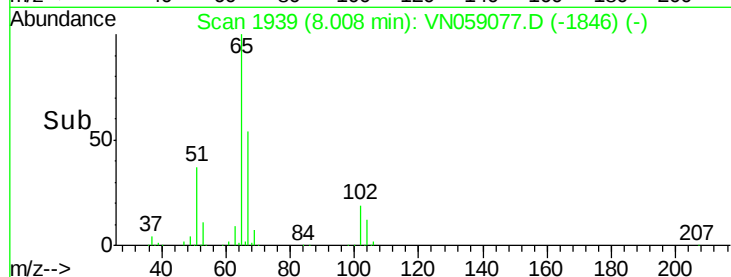
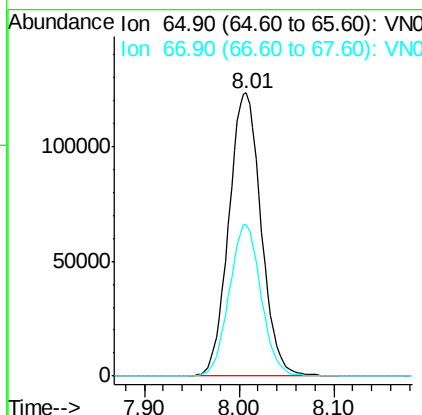
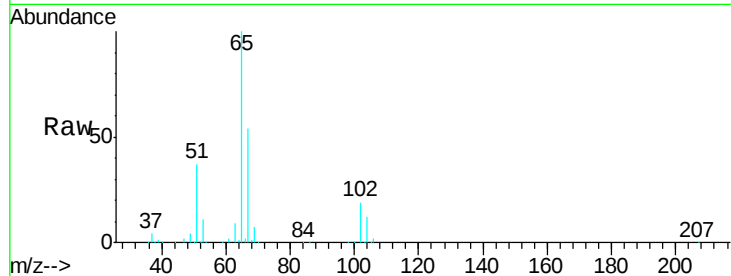




#33
 1,2-Dichloroethane-d4
 Concen: 48.742 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059077.D
 Acq: 4 Nov 2019 11:34

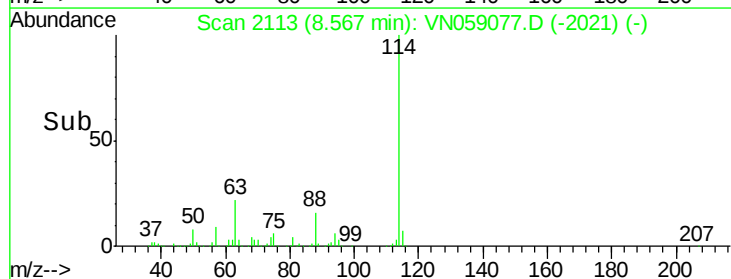
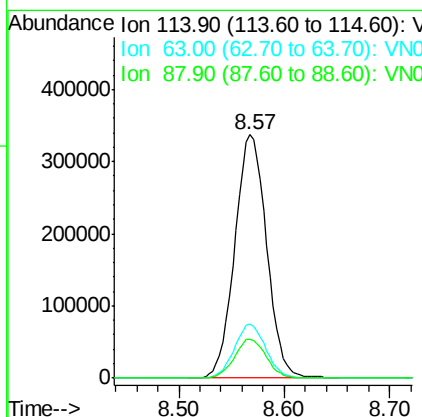
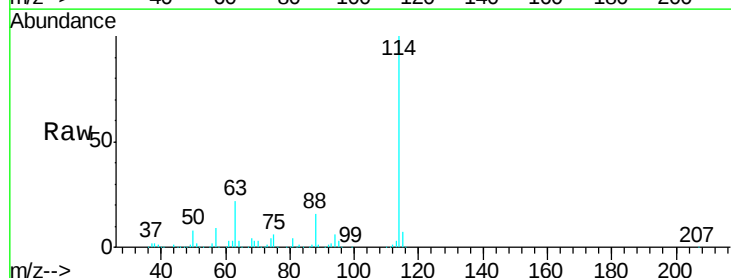
Instrument :
 MSVOA_N
 ClientSampleId :
 GL-STOCKPILE

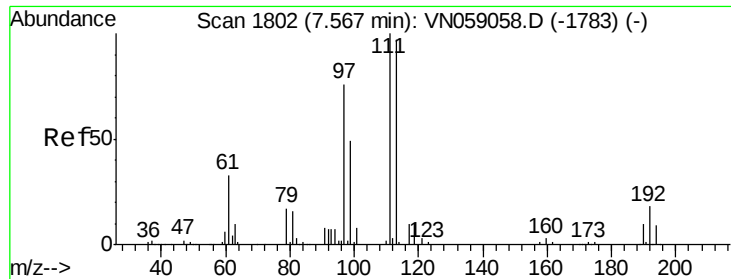
Tgt Ion: 65 Resp: 292311
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059077.D
 Acq: 4 Nov 2019 11:34

Tgt Ion: 114 Resp: 705033
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 43.2
 88 15.9 0.0 33.0

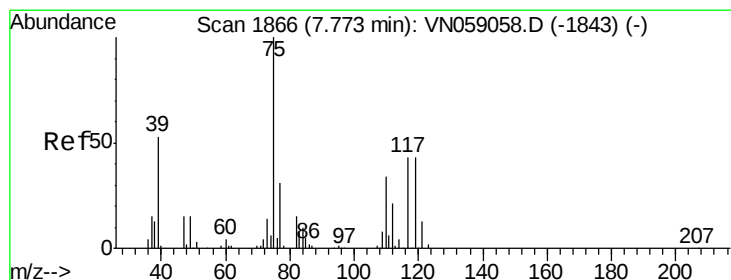
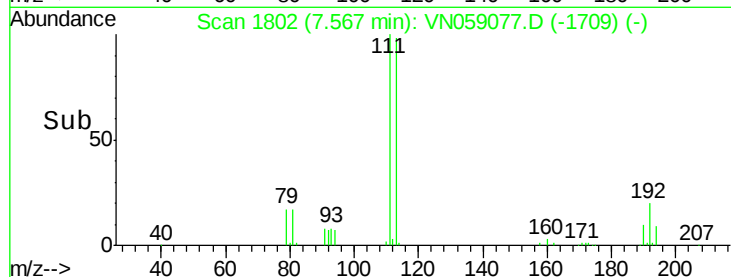
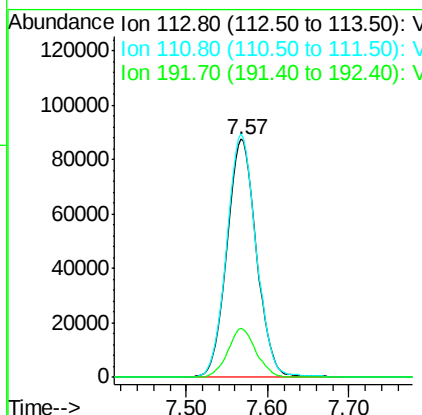
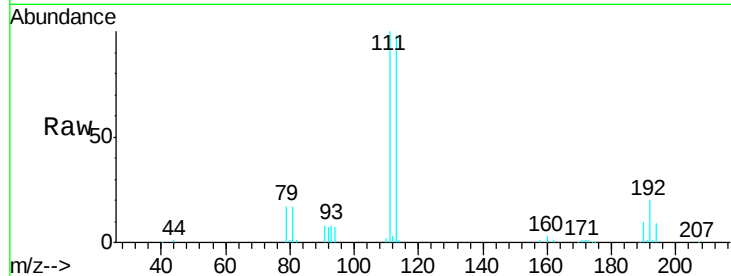




#35
Dibromofluoromethane
Concen: 48.800 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN059077.D
Acq: 4 Nov 2019 11:34

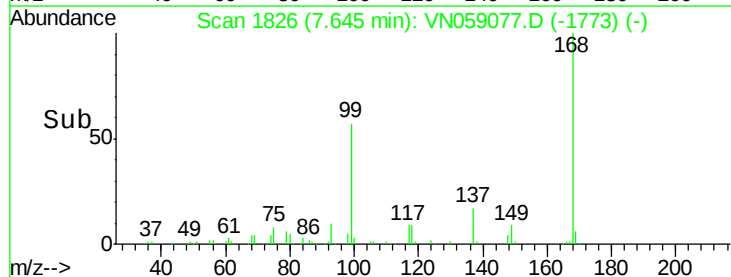
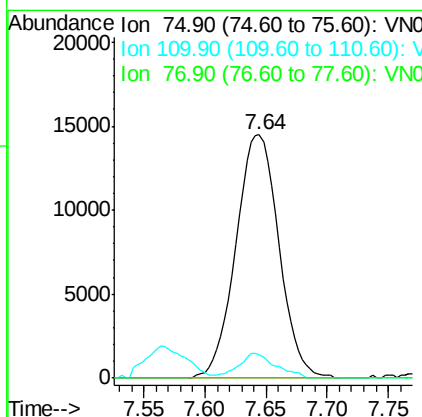
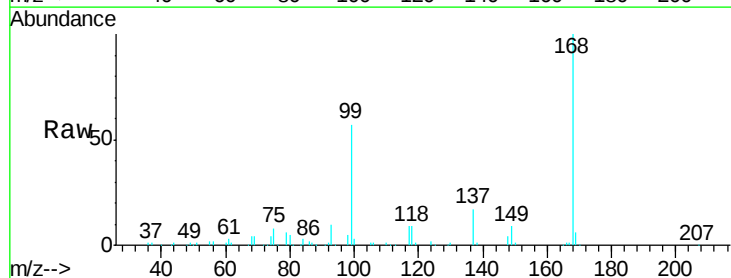
Instrument :
MSVOA_N
ClientSampleId :
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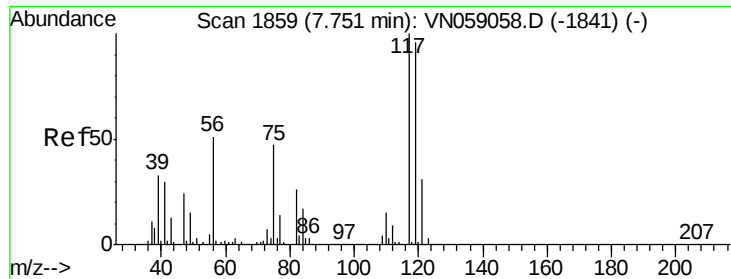
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.9	124.3
192	19.8	15.9	23.9



#36
1,1-Dichloropropene
Concen: 5.047 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.13 min
Lab File: VN059077.D
Acq: 4 Nov 2019 11:34

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	16.9	50.6#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 6.293 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN059077.D

Acq: 4 Nov 2019 11:34

Instrument :

MSVOA_N

ClientSampleId :

GL-STOCKPILE

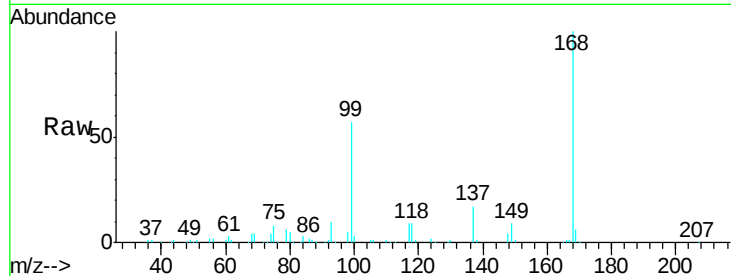
Tgt Ion:117 Resp: 42977

Ion Ratio Lower Upper

117 100

119 5.8 76.6 114.8#

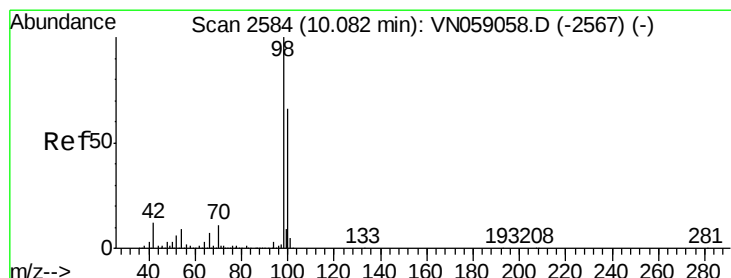
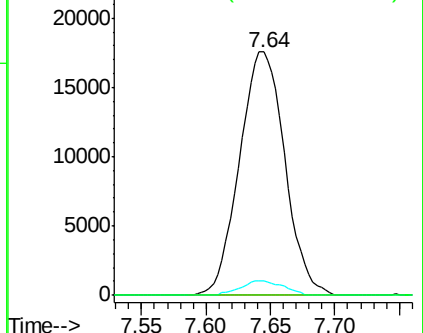
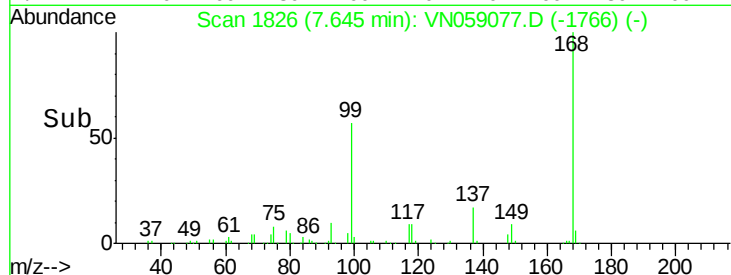
121 0.0 24.6 37.0#



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



#50

Toluene-d8

Concen: 48.459 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN059077.D

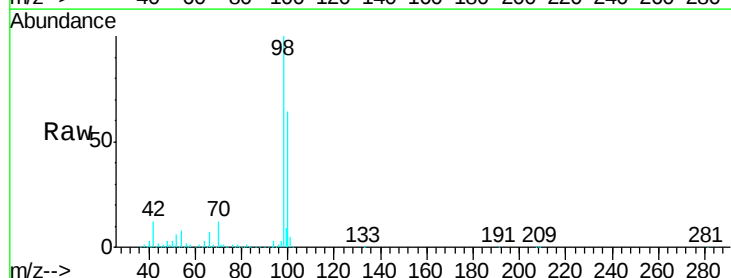
Acq: 4 Nov 2019 11:34

Tgt Ion: 98 Resp: 858116

Ion Ratio Lower Upper

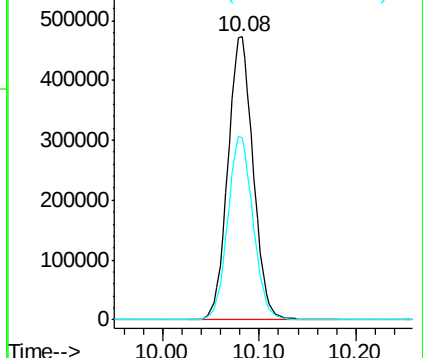
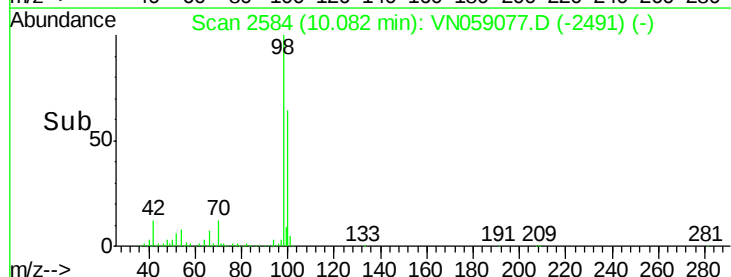
98 100

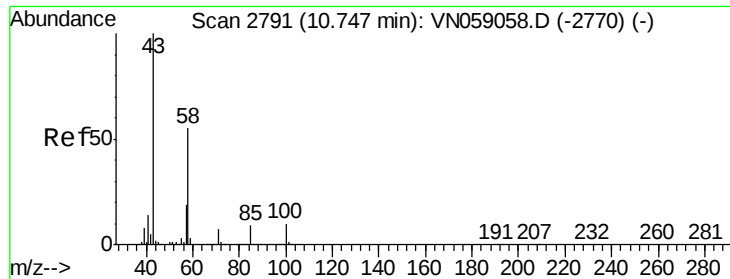
100 64.9 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

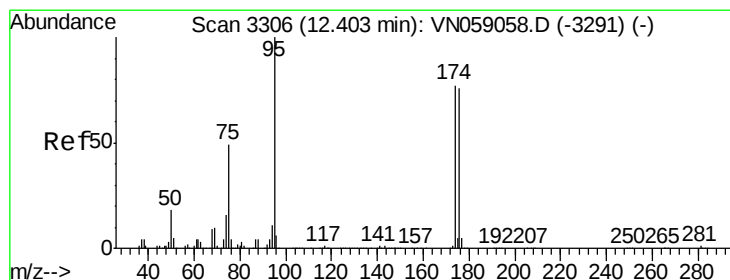
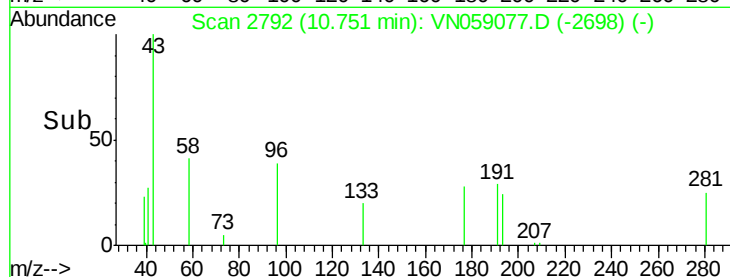
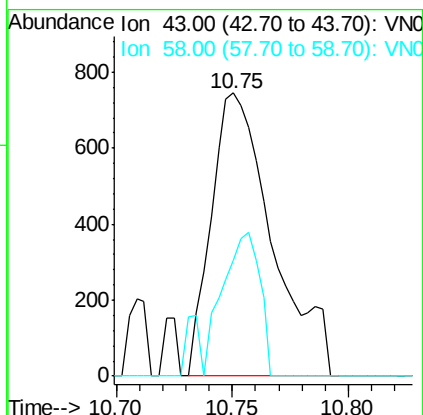
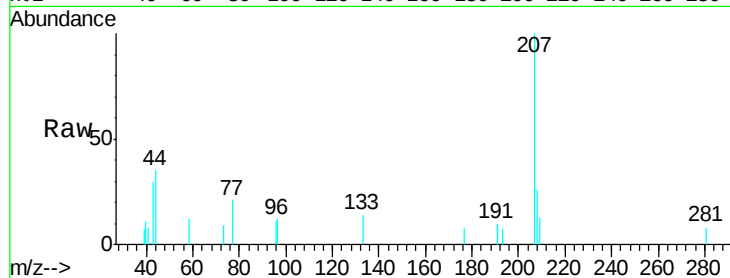




#59
2-Hexanone
Concen: 0.255 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN059077.D
Acq: 4 Nov 2019 11:34

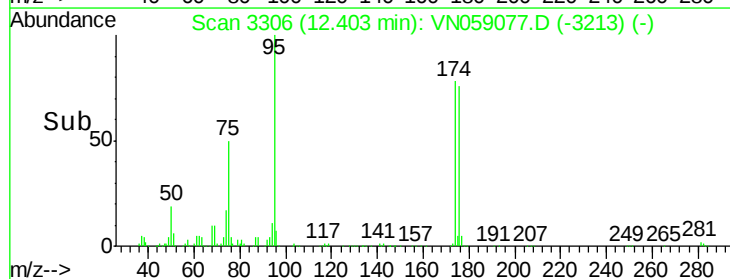
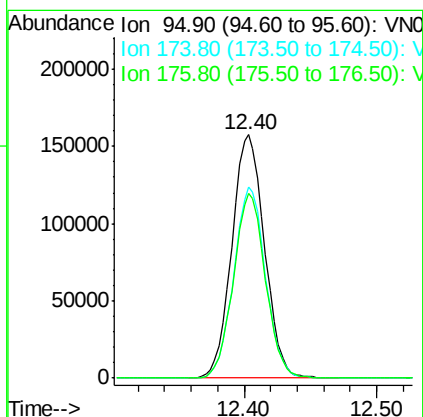
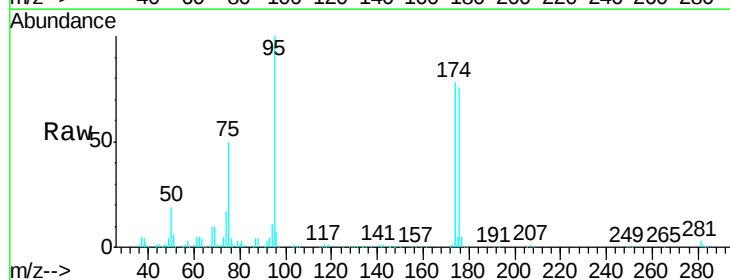
Instrument :
MSVOA_N
ClientSampled :
GL-STOCKPILE

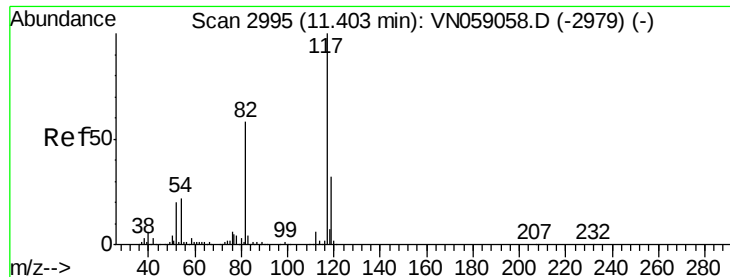
Tgt Ion: 43 Resp: 1370
Ion Ratio Lower Upper
43 100
58 30.8 27.4 82.2



#62
4-Bromofluorobenzene
Concen: 42.230 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN059077.D
Acq: 4 Nov 2019 11:34

Tgt Ion: 95 Resp: 268812
Ion Ratio Lower Upper
95 100
174 76.6 0.0 155.8
176 74.3 0.0 151.6

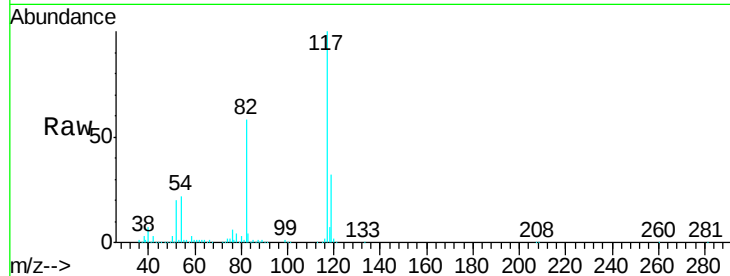




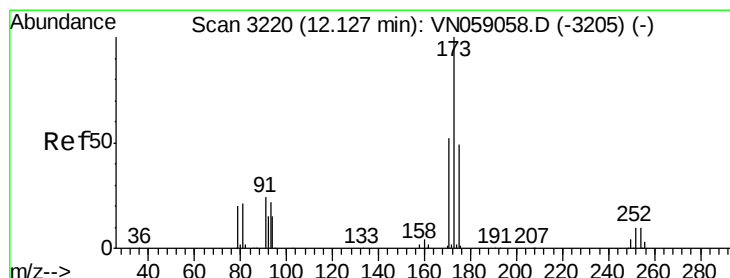
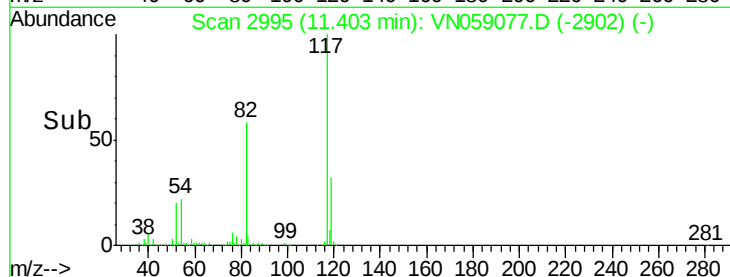
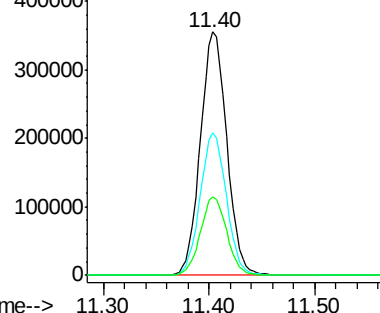
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN059077.D
Acq: 4 Nov 2019 11:34

Instrument :
MSVOA_N
ClientSampleId :
GL-STOCKPILE

Tgt Ion:117 Resp: 614891
Ion Ratio Lower Upper
117 100
82 58.4 46.0 69.0
119 32.2 25.6 38.4

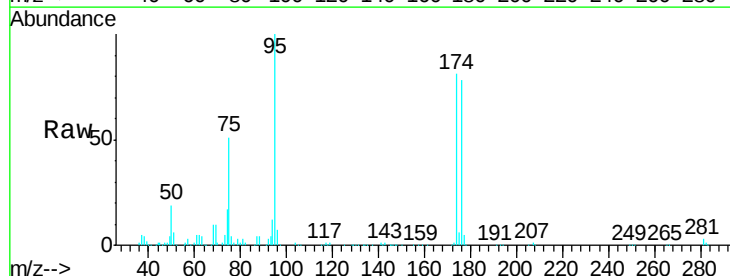


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

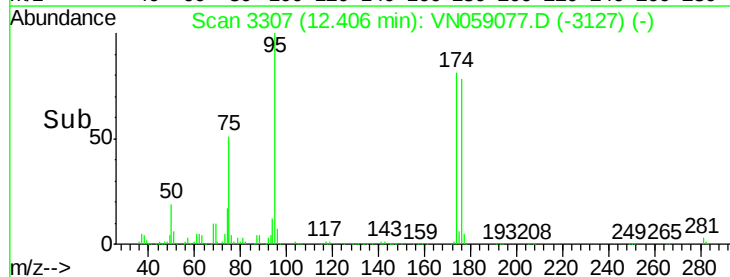
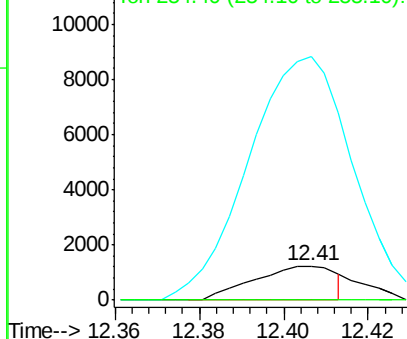


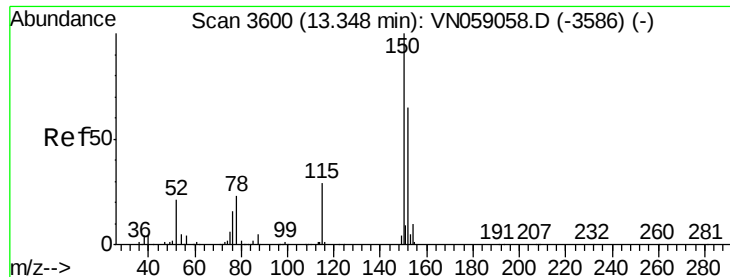
#71
Bromoform
Concen: 0.459 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.28 min
Lab File: VN059077.D
Acq: 4 Nov 2019 11:34

Tgt Ion:173 Resp: 1651
Ion Ratio Lower Upper
173 100
175 764.7 24.4 73.2#
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# 3600

Delta R.T. 0.00 min

Lab File: VN059077.D

Acq: 4 Nov 2019 11:34

Instrument :

MSVOA_N

ClientSampled :

GL-STOCKPILE

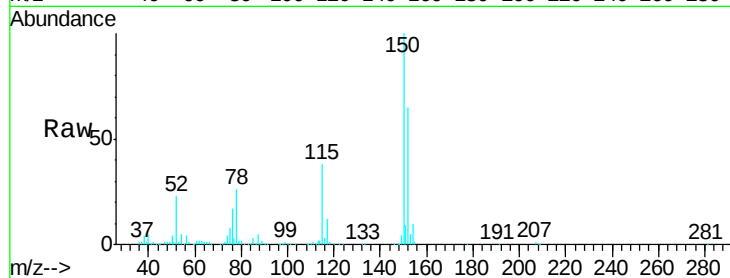
Tgt Ion: 152 Resp: 216570

Ion Ratio Lower Upper

152 100

115 60.7 29.6 88.9

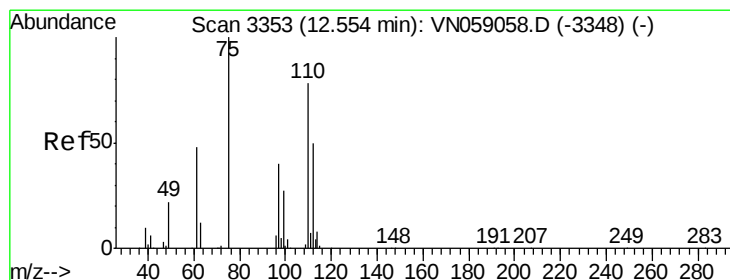
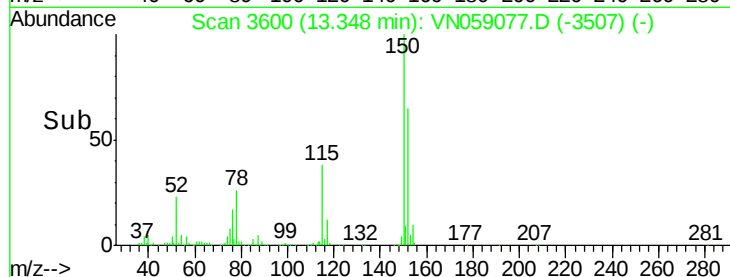
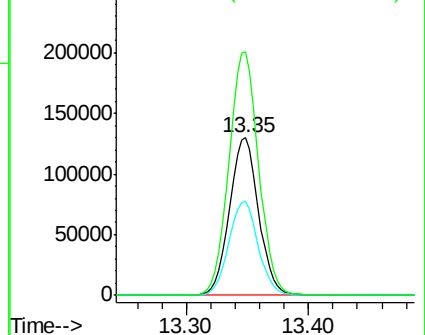
150 157.7 0.0 345.8



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: 26.186 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN059077.D

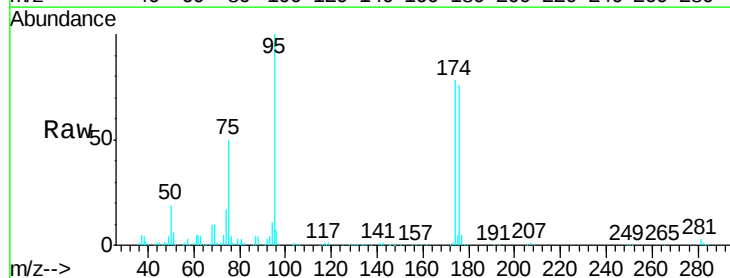
Acq: 4 Nov 2019 11:34

Tgt Ion: 75 Resp: 134202

Ion Ratio Lower Upper

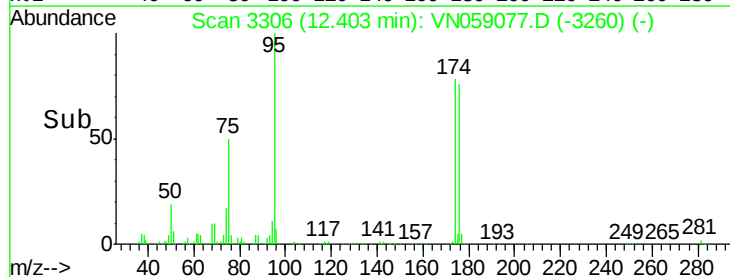
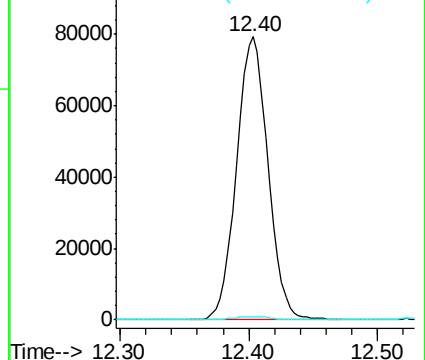
75 100

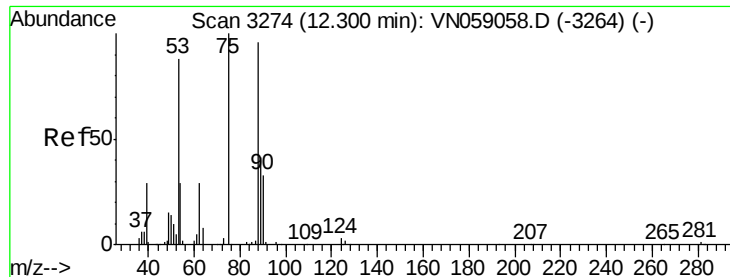
77 1.5 0.0 0.0#



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: 67.128 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN059077.D

Acq: 4 Nov 2019 11:34

Instrument :

MSVOA_N

ClientSampled :

GL-STOCKPILE

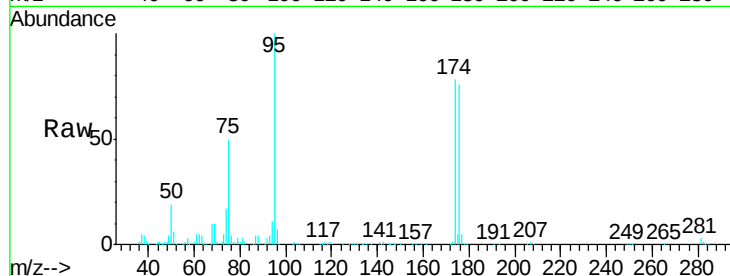
Tgt Ion: 75 Resp: 134202

Ion Ratio Lower Upper

75 100

53 0.0 70.4 105.6#

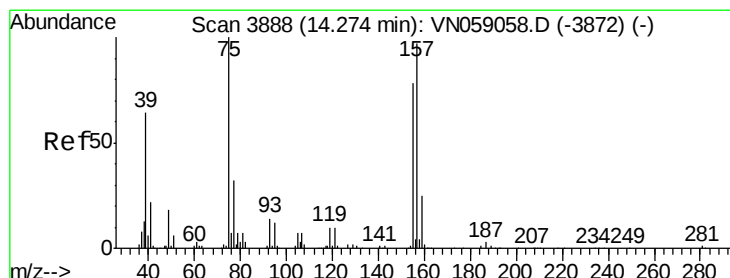
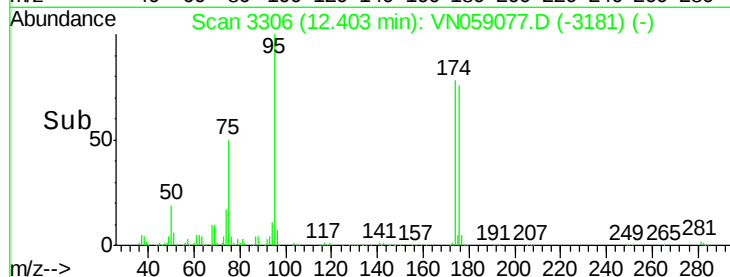
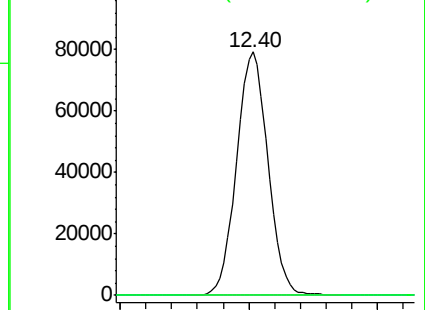
89 0.0 34.2 51.2#



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: 0.271 ug/l

RT: 14.28 min Scan# 3890

Delta R.T. 0.01 min

Lab File: VN059077.D

Acq: 4 Nov 2019 11:34

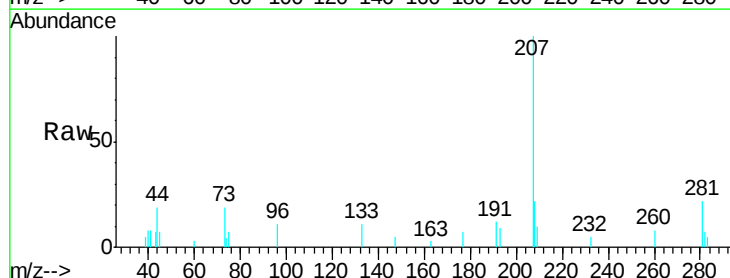
Tgt Ion: 75 Resp: 332

Ion Ratio Lower Upper

75 100

155 0.0 39.7 119.1#

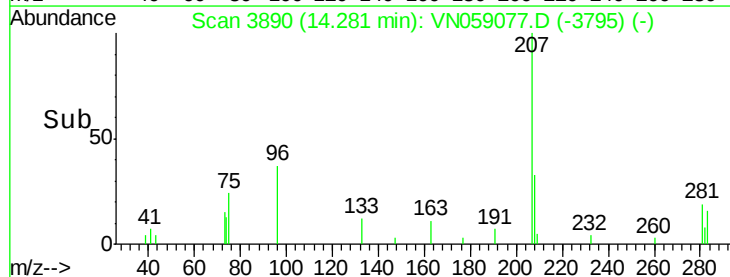
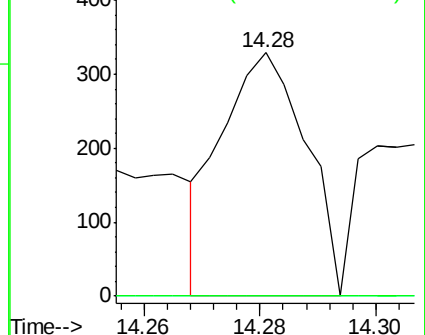
157 0.0 51.0 153.0#

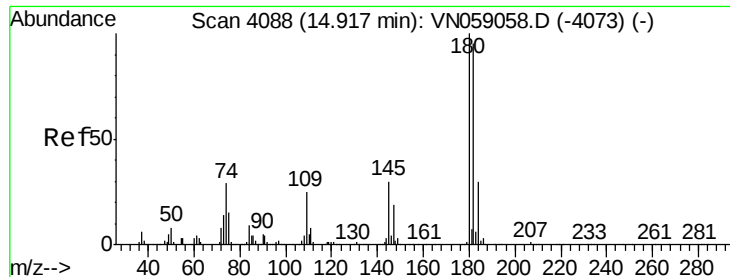


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

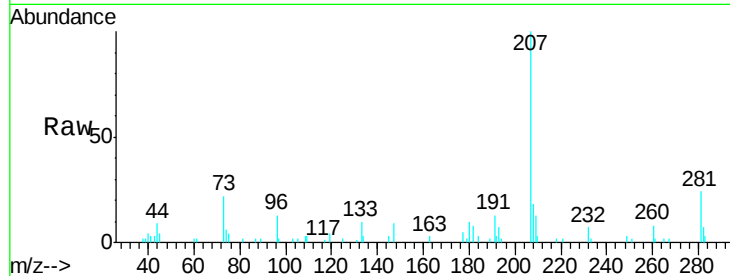




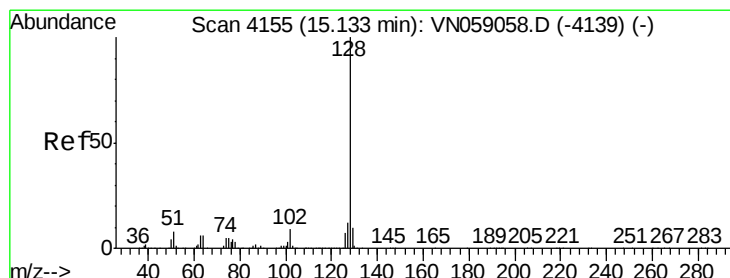
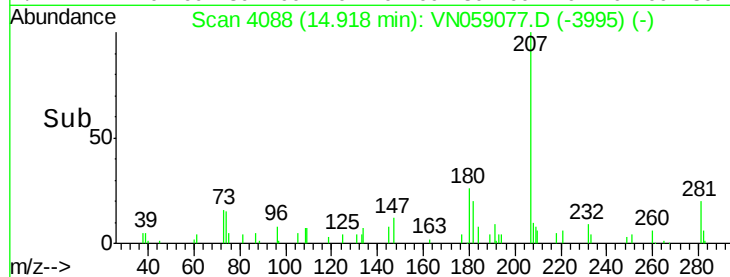
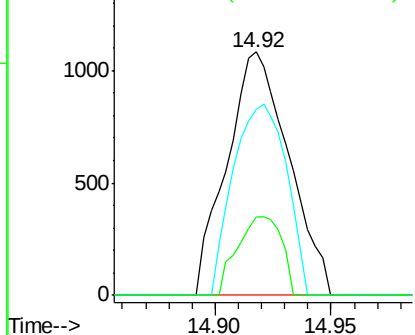
#93
 1,2,4-Trichlorobenzene
 Concen: 0.529 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN059077.D
 Acq: 4 Nov 2019 11:34

Instrument :
 MSVOA_N
 ClientSampleId :
 GL-STOCKPILE

Tgt Ion:180 Resp: 2008
 Ion Ratio Lower Upper
 180 100
 182 67.6 47.8 143.4
 145 23.1 15.1 45.3

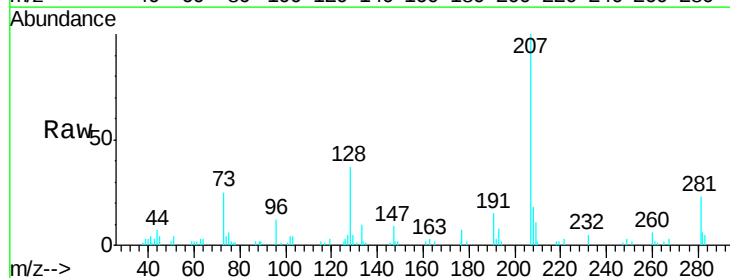


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

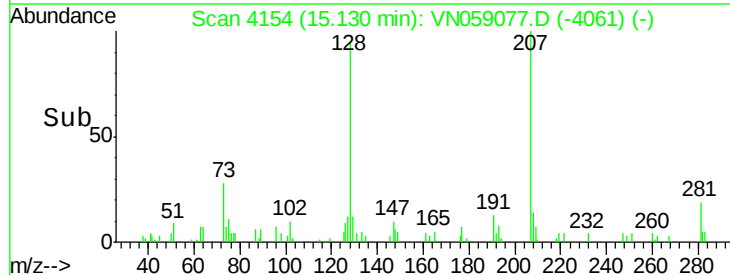
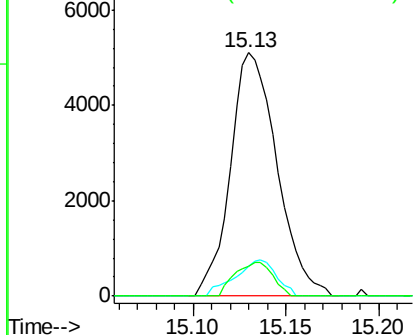


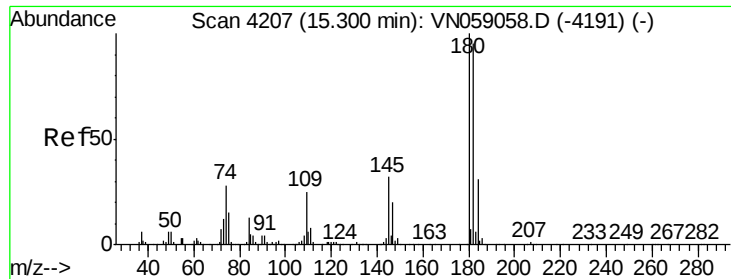
#95
 Naphthalene
 Concen: 3.694 ug/l
 RT: 15.13 min Scan# 4154
 Delta R.T. -0.00 min
 Lab File: VN059077.D
 Acq: 4 Nov 2019 11:34

Tgt Ion:128 Resp: 8916
 Ion Ratio Lower Upper
 128 100
 127 13.1 9.9 14.9
 129 11.3 8.4 12.6



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

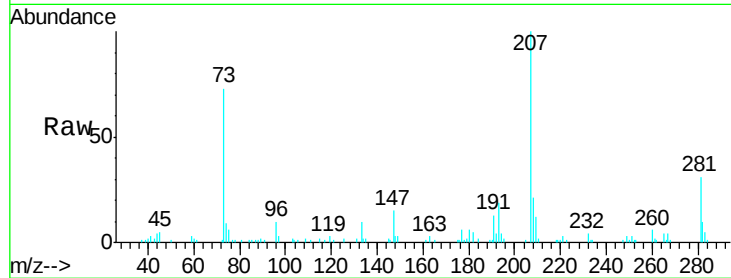




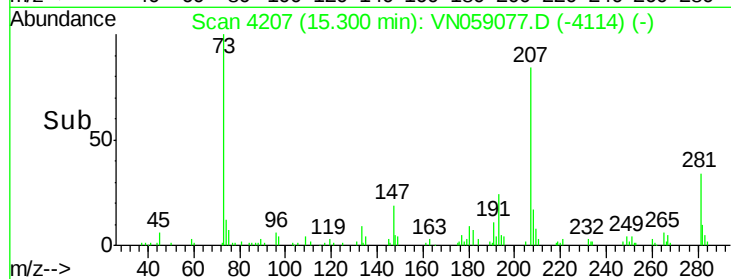
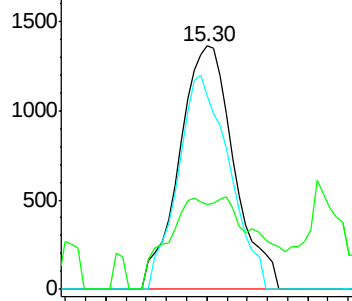
#96
 1,2,3-Trichlorobenzene
 Concen: 0.668 ug/l
 RT: 15.30 min Scan# 4207
 Delta R.T. 0.00 min
 Lab File: VN059077.D
 Acq: 4 Nov 2019 11:34

Instrument :
 MSVOA_N
 ClientSampleId :
 GL-STOCKPILE

Tgt Ion	Ratio	Lower	Upper
180	100		
182	82.4	47.7	143.1
145	27.2	16.0	48.0



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-->