

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081920\
 Data File : VN063004.D
 Acq On : 19 Aug 2020 11:16
 Operator : JC/MD
 Sample : L3722-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GW-01

Quant Time: Aug 19 13:40:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 06:09:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	148576	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	247881	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	252162	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	95389	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	97134	55.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.32%	
35) Dibromofluoromethane	7.55	113	84482	52.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.60%	
50) Toluene-d8	10.06	98	314971	50.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.54%	
62) 4-Bromofluorobenzene	12.38	95	105481	48.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.36%	

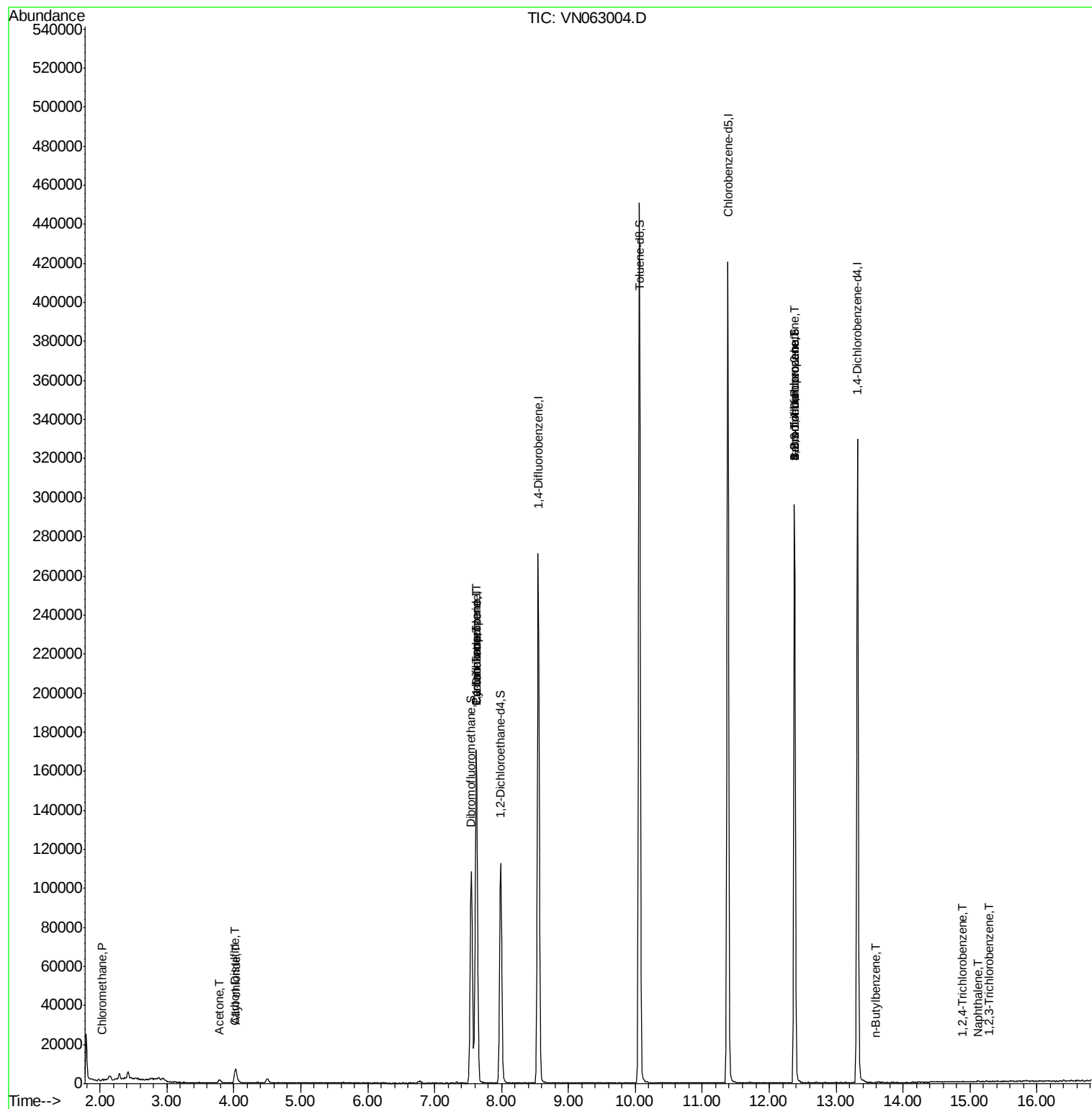
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	857	0.421	ug/l	94
14) Allyl chloride	4.03	41	1233	0.554	ug/l #	71
16) Acetone	3.79	43	3295	2.111	ug/l	95
17) Carbon Disulfide	4.01	76	1376	0.417	ug/l #	76
20) Methylene Chloride	4.51	84	1582	Below Cal	#	76
31) Cyclohexane	7.62	56	2705	1.042	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	10441	4.780	ug/l #	49
38) Carbon Tetrachloride	7.62	117	13332	6.045	ug/l #	18
71) Bromoform	12.38	173	953	0.608	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	50829	27.414	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	50829	75.290	ug/l #	15
89) n-Butylbenzene	13.60	91	249	2.816	ug/l #	34
93) 1,2,4-Trichlorobenzene	14.89	180	109	4.605	ug/l #	84
95) Naphthalene	15.11	128	660	5.796	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.29	180	117	4.032	ug/l #	74

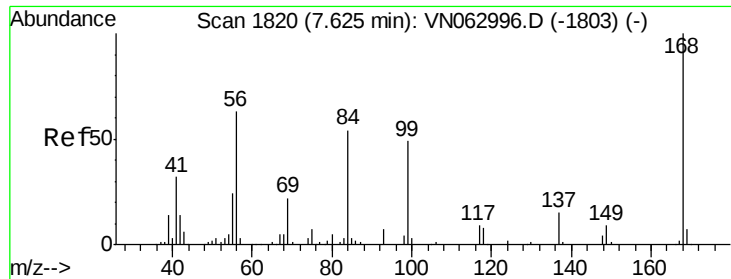
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN063004.D

Acq: 19 Aug 2020 11:16

Instrument :

MSVOA_N

ClientSampleId :

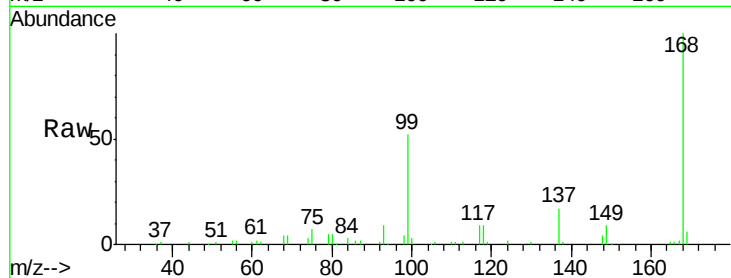
GW-01

Tgt Ion: 168 Resp: 148576

Ion Ratio Lower Upper

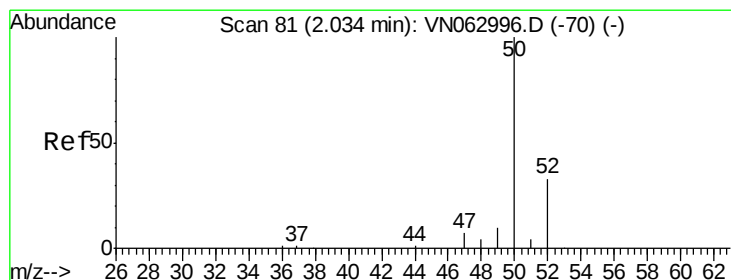
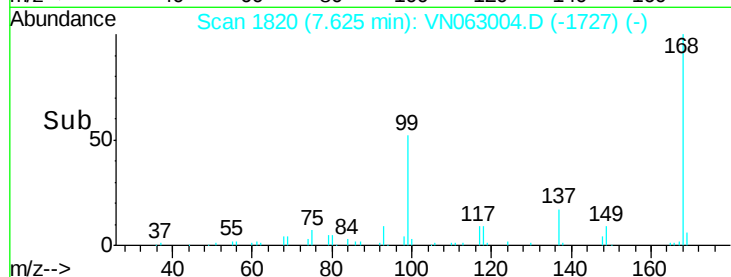
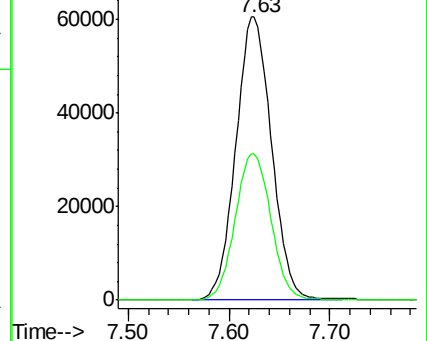
168 100

99 51.8 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#3

Chloromethane

Concen: 0.421 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN063004.D

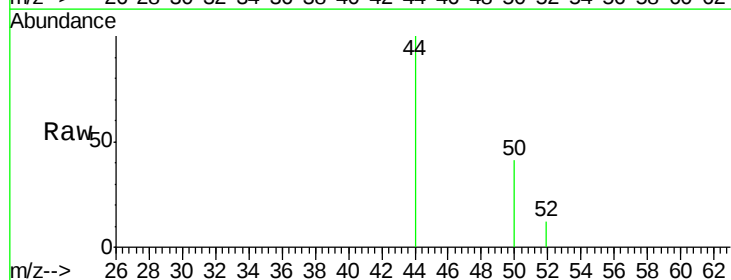
Acq: 19 Aug 2020 11:16

Tgt Ion: 50 Resp: 857

Ion Ratio Lower Upper

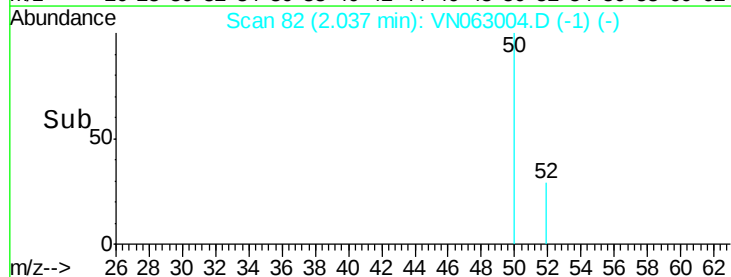
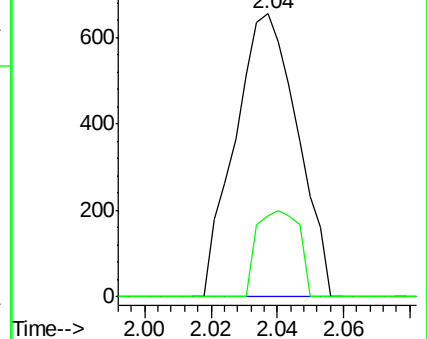
50 100

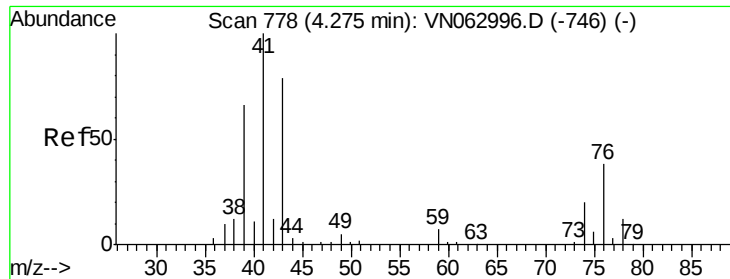
52 28.9 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0





#14

Allyl chloride

Concen: 0.554 ug/l

RT: 4.03 min Scan# 703

Delta R.T. -0.24 min

Lab File: VN063004.D

Acq: 19 Aug 2020 11:16

Instrument :

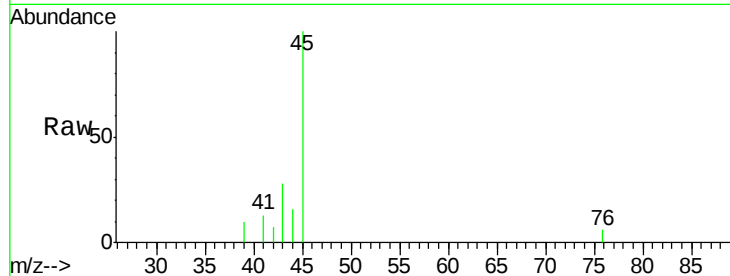
MSVOA_N

ClientSampled :

GW-01

Tgt Ion: 41 Resp: 1233

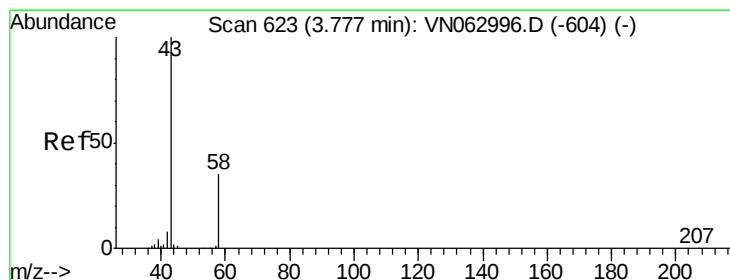
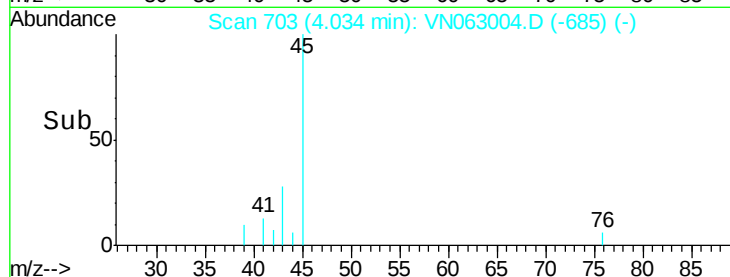
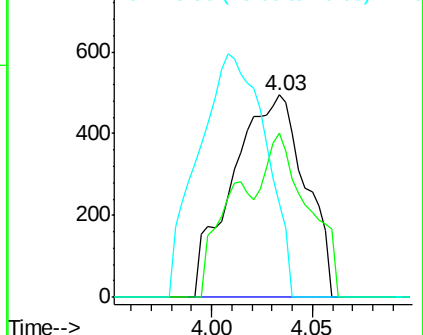
Ion	Ratio	Lower	Upper
41	100		
39	50.5	47.9	71.9
76	0.0	27.0	40.6#



Abundance Ion 41.00 (40.70 to 41.70): VN063004.D (-685) (-)

Ion 39.00 (38.70 to 39.70): VN063004.D (-685) (-)

Ion 75.90 (75.60 to 76.60): VN063004.D (-685) (-)



#16

Acetone

Concen: 2.111 ug/l

RT: 3.79 min Scan# 626

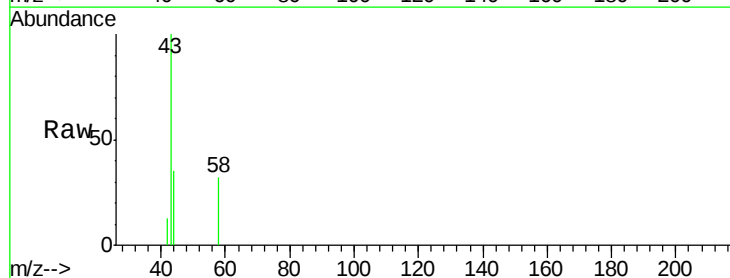
Delta R.T. 0.01 min

Lab File: VN063004.D

Acq: 19 Aug 2020 11:16

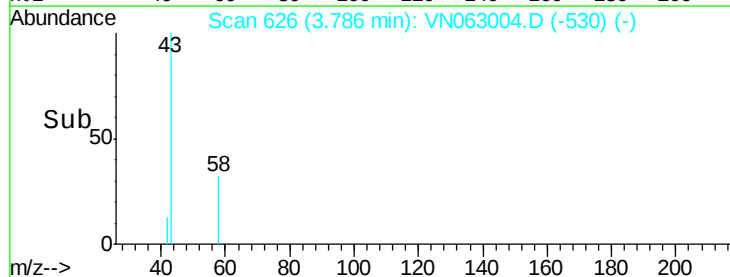
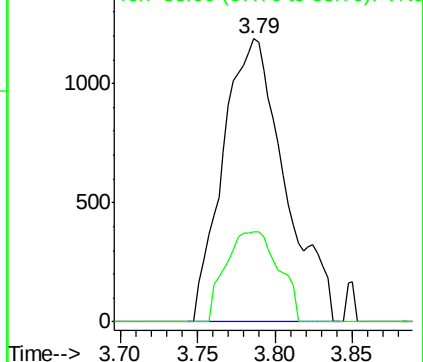
Tgt Ion: 43 Resp: 3295

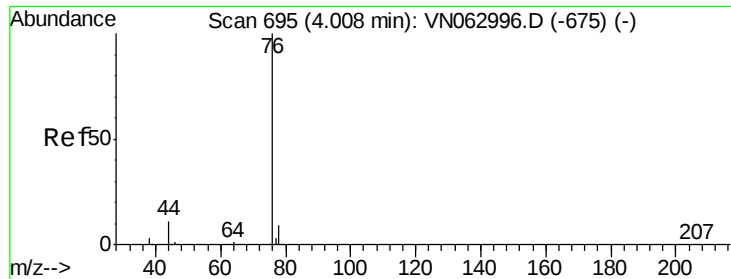
Ion	Ratio	Lower	Upper
43	100		
58	31.6	27.8	41.6



Abundance Ion 43.00 (42.70 to 43.70): VN063004.D (-530) (-)

Ion 58.00 (57.70 to 58.70): VN063004.D (-530) (-)

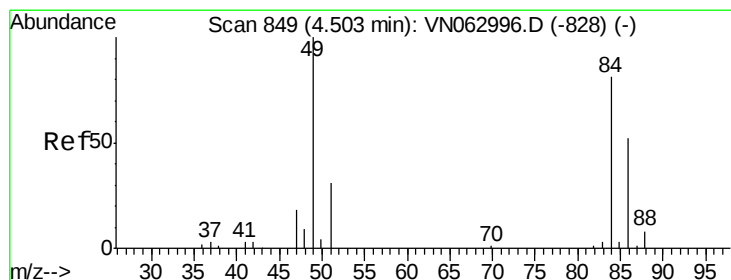
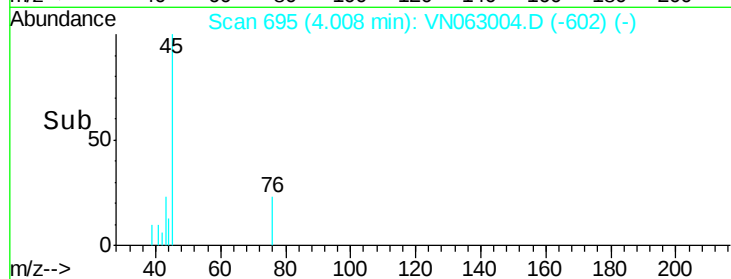
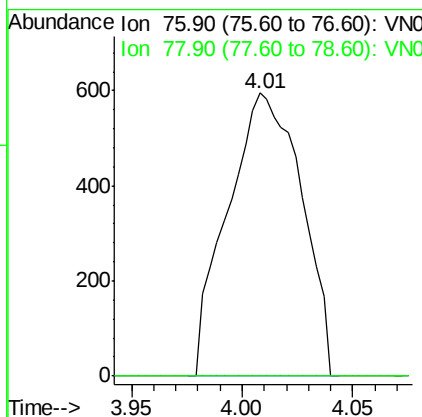
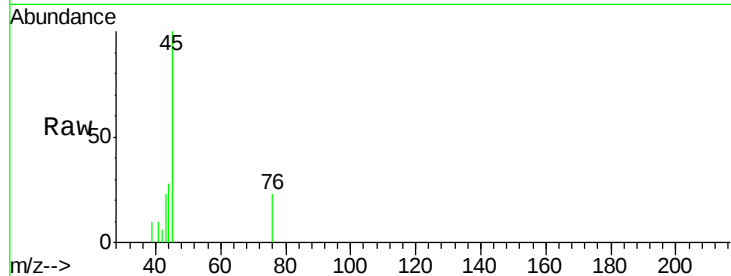




#17
Carbon Disulfide
Concen: 0.417 ug/l
RT: 4.01 min Scan# 695
Delta R.T. -0.00 min
Lab File: VN063004.D
Acq: 19 Aug 2020 11:16

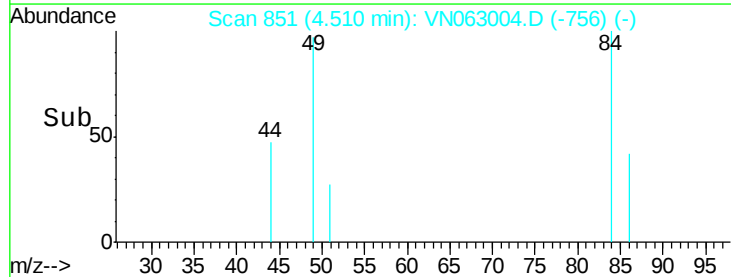
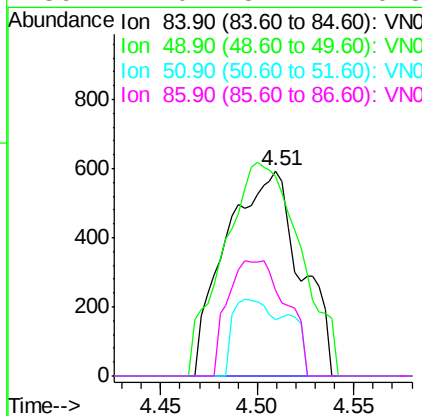
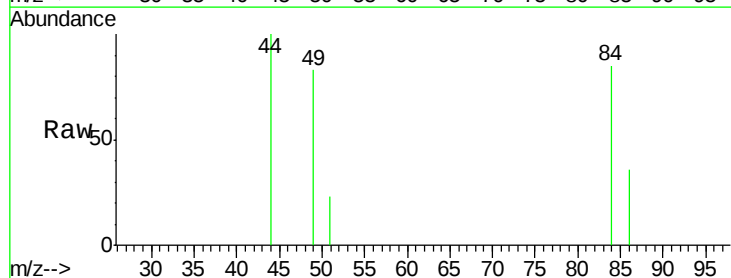
Instrument :
MSVOA_N
ClientSampled :
GW-01

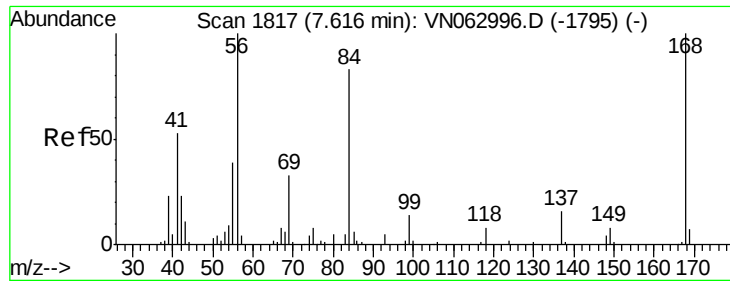
Tgt Ion: 76 Resp: 1376
Ion Ratio Lower Upper
76 100
78 0.0 6.9 10.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.51 min Scan# 851
Delta R.T. 0.01 min
Lab File: VN063004.D
Acq: 19 Aug 2020 11:16

Tgt Ion: 84 Resp: 1582
Ion Ratio Lower Upper
84 100
49 97.1 98.7 148.1#
51 27.2 30.8 46.2#
86 42.0 51.2 76.8#

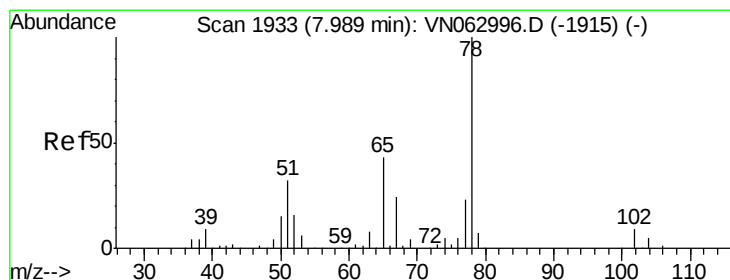
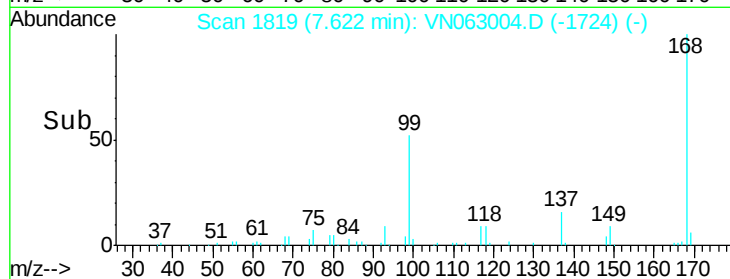
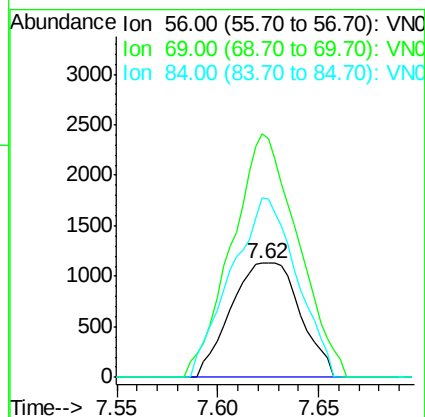
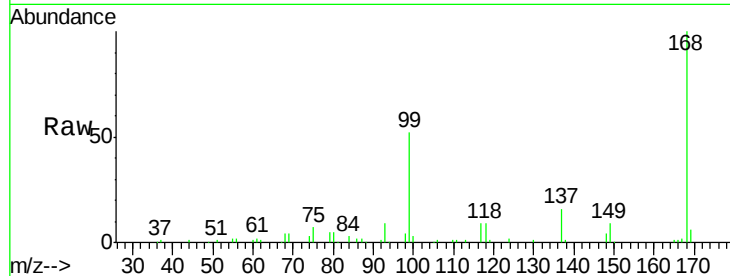




#31
Cyclohexane
Concen: 1.042 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN063004.D
Acq: 19 Aug 2020 11:16

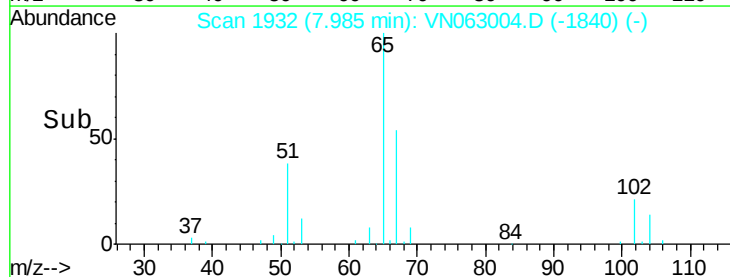
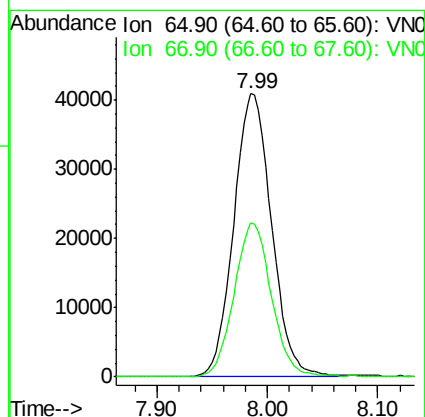
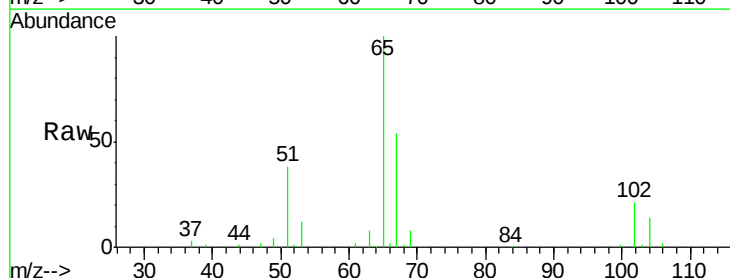
Instrument :
MSVOA_N
ClientSampleId :
GW-01

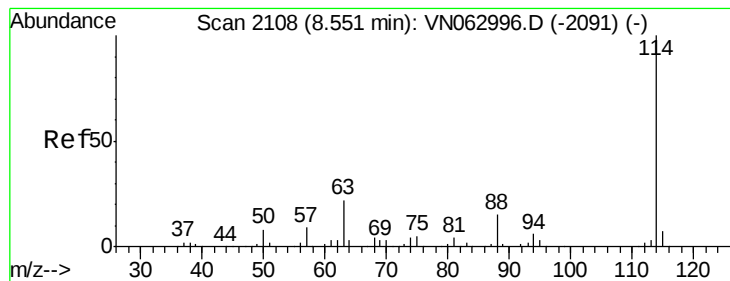
Tgt Ion: 56 Resp: 2705
Ion Ratio Lower Upper
56 100
69 199.7 26.6 40.0#
84 157.3 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 55.161 ug/l
RT: 7.99 min Scan# 1932
Delta R.T. -0.00 min
Lab File: VN063004.D
Acq: 19 Aug 2020 11:16

Tgt Ion: 65 Resp: 97134
Ion Ratio Lower Upper
65 100
67 53.6 0.0 112.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN063004.D

Acq: 19 Aug 2020 11:16

Instrument :

MSVOA_N

ClientSampleId :

GW-01

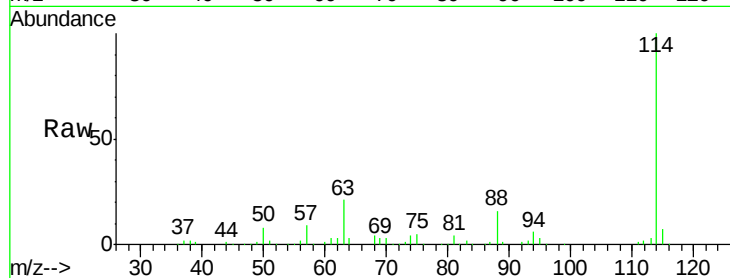
Tgt Ion:114 Resp: 247881

Ion Ratio Lower Upper

114 100

63 20.6 0.0 43.2

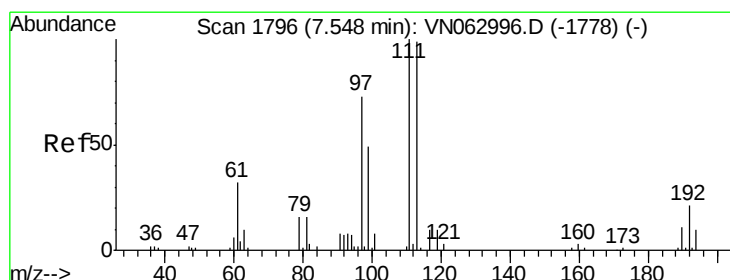
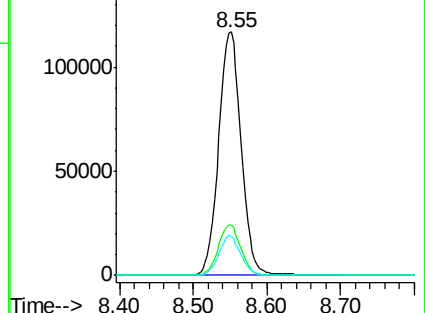
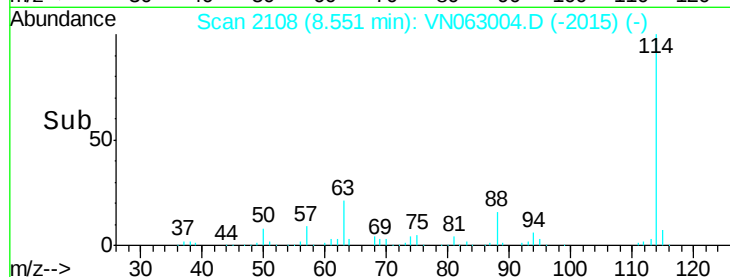
88 16.0 0.0 30.6



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: 52.305 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN063004.D

Acq: 19 Aug 2020 11:16

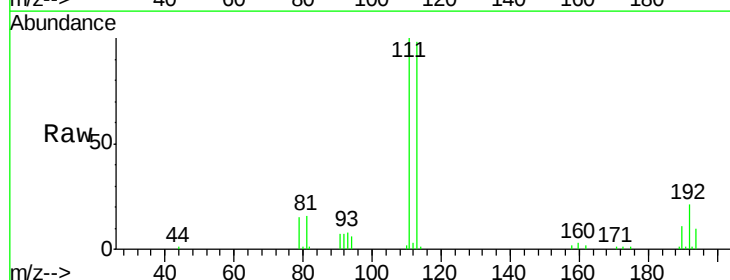
Tgt Ion:113 Resp: 84482

Ion Ratio Lower Upper

113 100

111 102.1 81.7 122.5

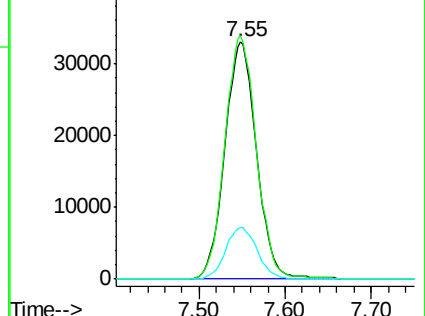
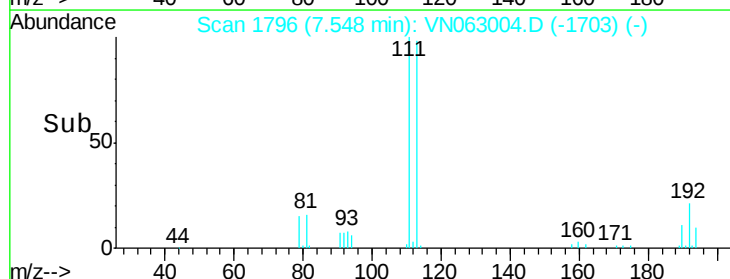
192 21.6 17.5 26.3

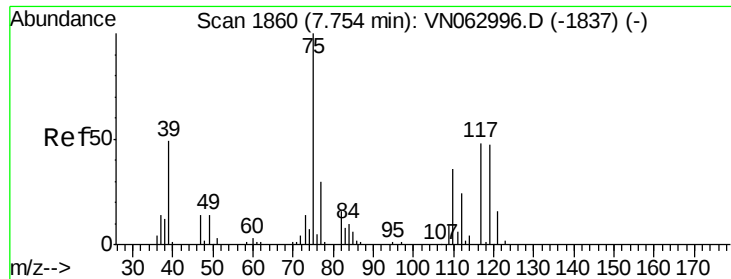


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

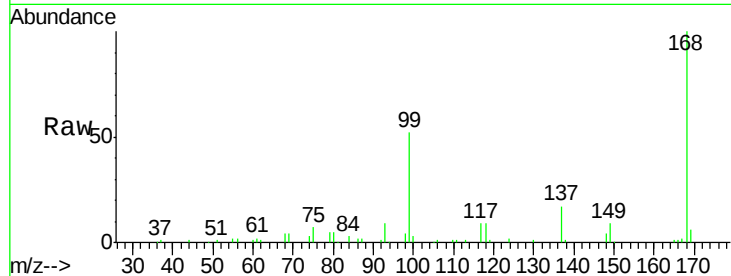




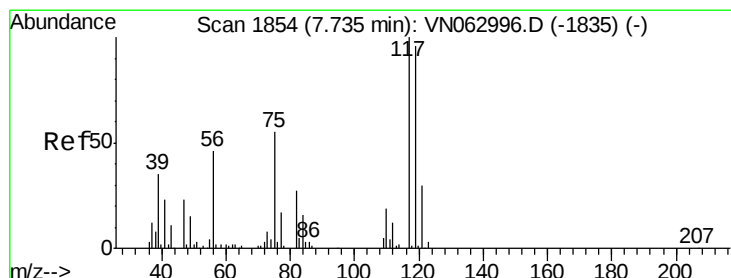
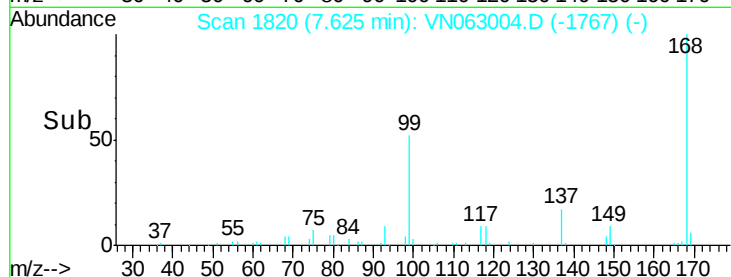
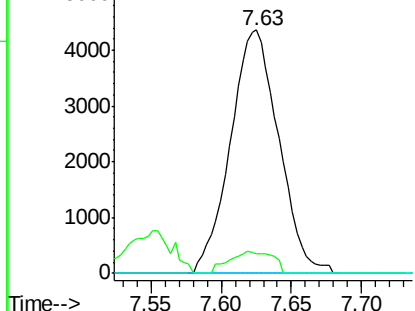
#36
 1,1-Dichloropropene
 Concen: 4.780 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN063004.D
 Acq: 19 Aug 2020 11:16

Instrument :
 MSVOA_N
 ClientSampleId :
 GW-01

Tgt Ion: 75 Resp: 10441
 Ion Ratio Lower Upper
 75 100
 110 8.1 17.5 52.6#
 77 0.0 24.2 36.4#

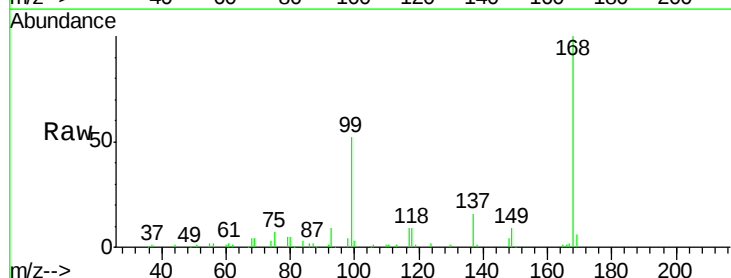


Abundance Ion 74.90 (74.60 to 75.60): VN062996.D (-1837) (-)
 Ion 109.90 (109.60 to 110.60): VN062996.D (-1837) (-)
 Ion 76.90 (76.60 to 77.60): VN062996.D (-1837) (-)

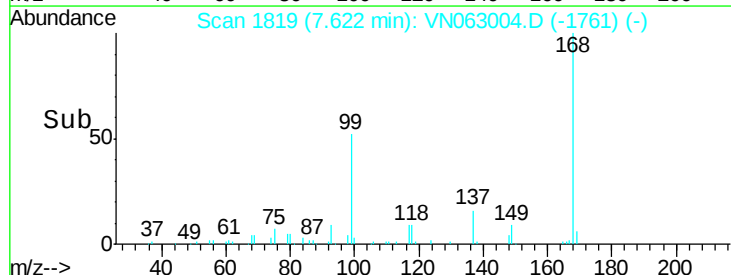
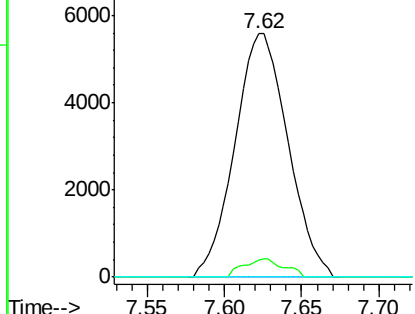


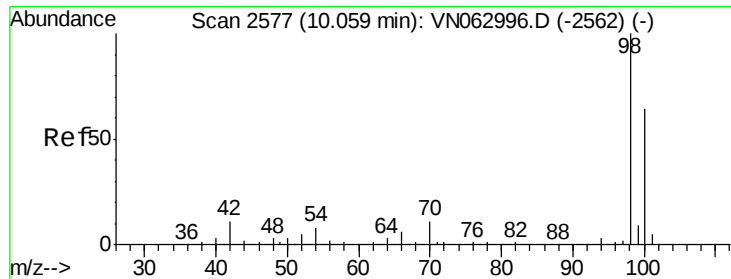
#38
 Carbon Tetrachloride
 Concen: 6.045 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.11 min
 Lab File: VN063004.D
 Acq: 19 Aug 2020 11:16

Tgt Ion: 117 Resp: 13332
 Ion Ratio Lower Upper
 117 100
 119 6.8 76.2 114.4#
 121 0.0 24.2 36.2#



Abundance Ion 116.80 (116.50 to 117.50): VN062996.D (-1835) (-)
 Ion 118.80 (118.50 to 119.50): VN062996.D (-1835) (-)
 Ion 120.80 (120.50 to 121.50): VN062996.D (-1835) (-)





#50

Toluene-d8

Concen: 50.769 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN063004.D

Acq: 19 Aug 2020 11:16

Instrument :

MSVOA_N

ClientSampleId :

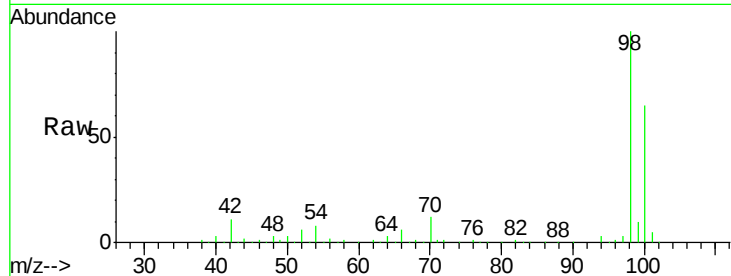
GW-01

Tgt Ion: 98 Resp: 314971

Ion Ratio Lower Upper

98 100

100 64.0 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN062996.D (-2562) (-)

Ion 100.00 (99.70 to 100.70): VN062996.D (-2562) (-)

200000

150000

100000

50000

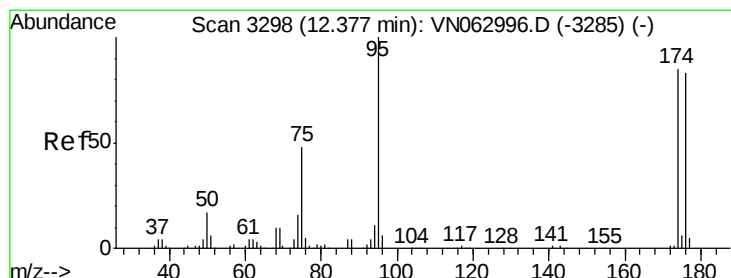
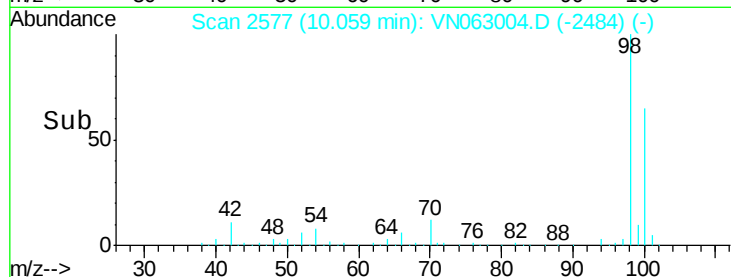
0

10.06

10.10

10.20

Time-->



#62

4-Bromofluorobenzene

Concen: 48.180 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN063004.D

Acq: 19 Aug 2020 11:16

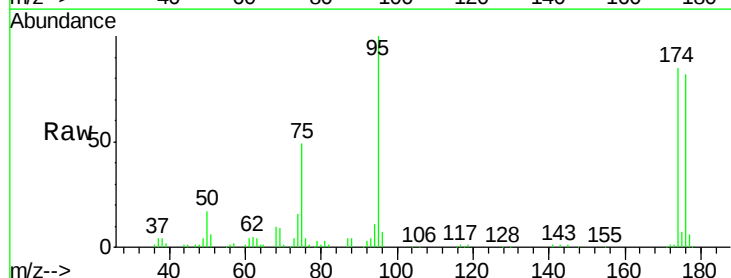
Tgt Ion: 95 Resp: 105481

Ion Ratio Lower Upper

95 100

174 86.5 0.0 170.8

176 83.3 0.0 164.8



Abundance Ion 94.90 (94.60 to 95.60): VN062996.D (-3285) (-)

Ion 173.80 (173.50 to 174.50): VN062996.D (-3285) (-)

Ion 175.80 (175.50 to 176.50): VN062996.D (-3285) (-)

80000

60000

40000

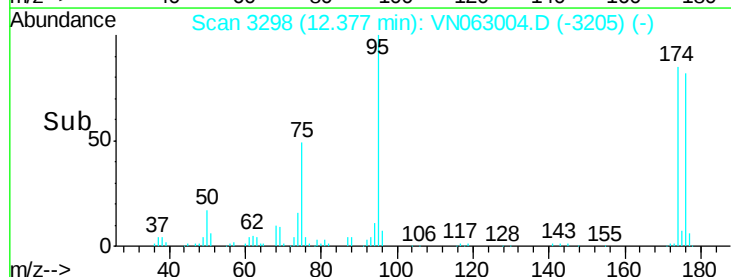
20000

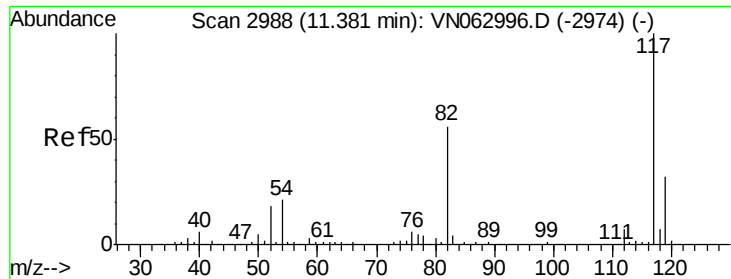
0

12.38

12.40

Time-->

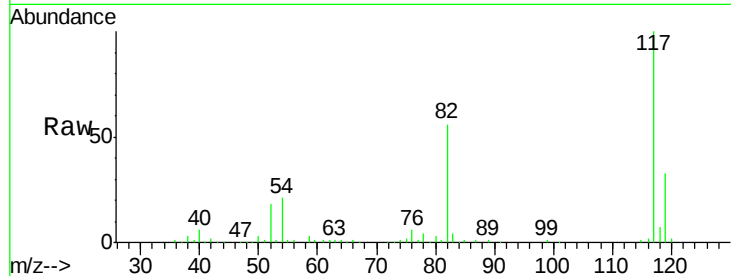




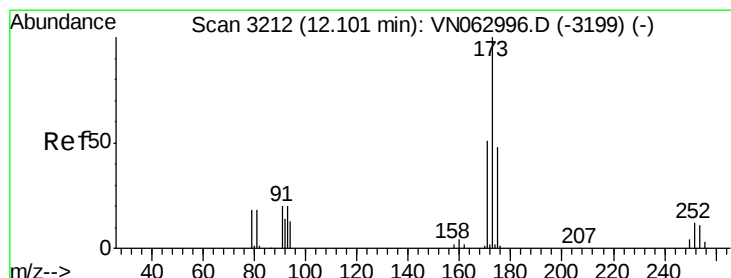
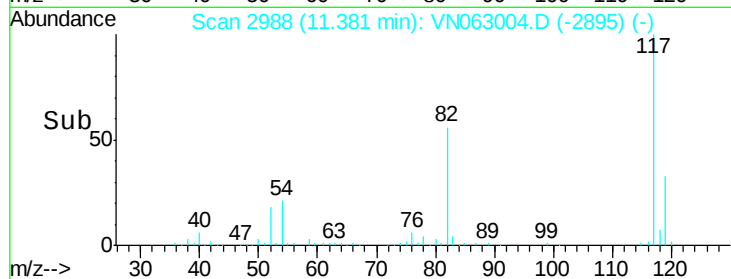
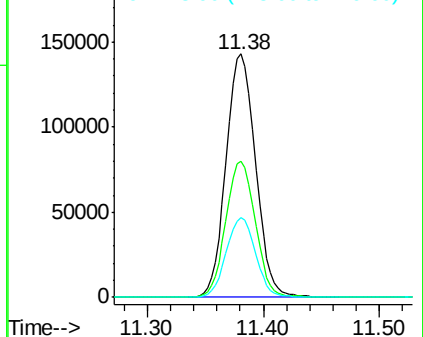
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN063004.D
Acq: 19 Aug 2020 11:16

Instrument :
MSVOA_N
ClientSampleId :
GW-01

Tgt Ion:117 Resp: 252162
Ion Ratio Lower Upper
117 100
82 56.1 44.5 66.7
119 32.7 25.5 38.3

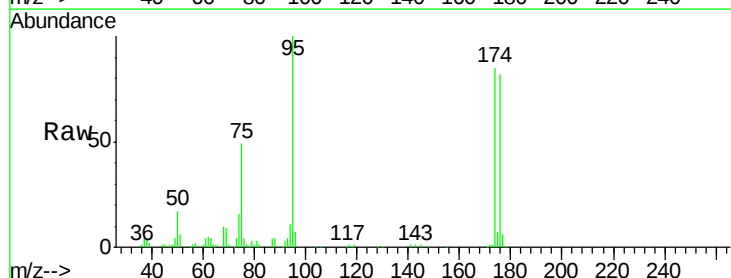


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

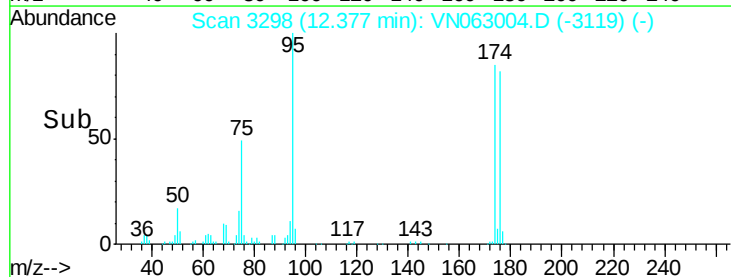
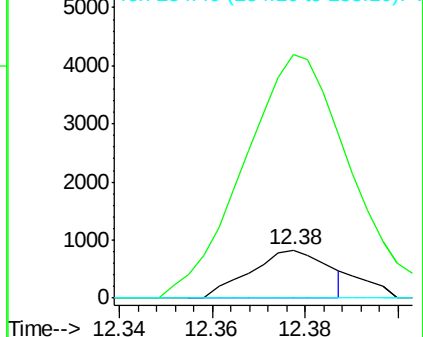


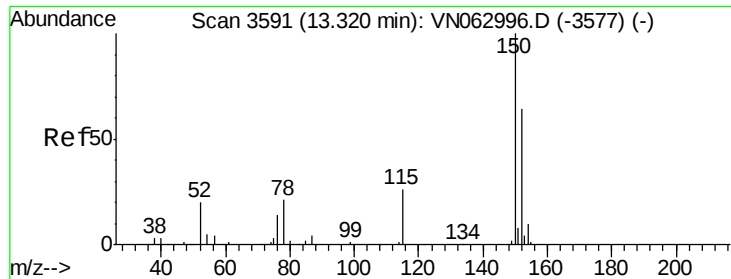
#71
Bromoform
Concen: 0.608 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.28 min
Lab File: VN063004.D
Acq: 19 Aug 2020 11:16

Tgt Ion:173 Resp: 953
Ion Ratio Lower Upper
173 100
175 580.6 24.3 72.8#
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: 13.32 min Scan# 3591

Delta R.T. -0.00 min

Lab File: VN063004.D

Acq: 19 Aug 2020 11:16

Instrument :

MSVOA_N

ClientSampled :

GW-01

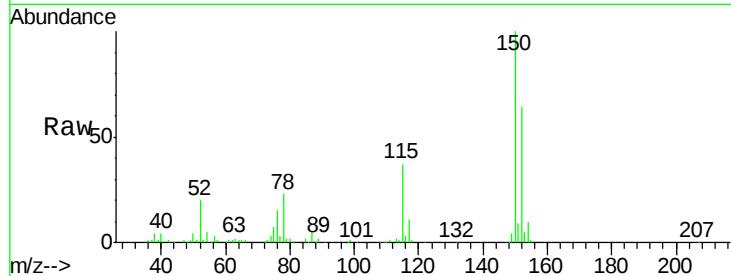
Tgt Ion: 152 Resp: 95389

Ion Ratio Lower Upper

152 100

115 57.0 28.7 86.3

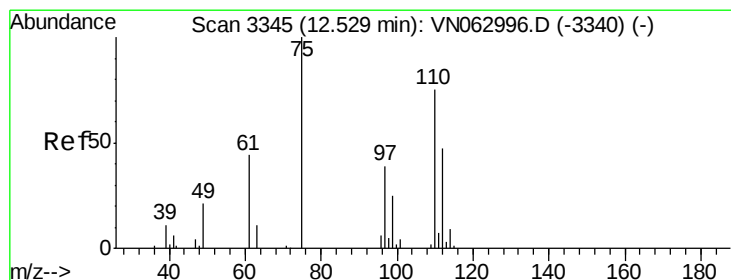
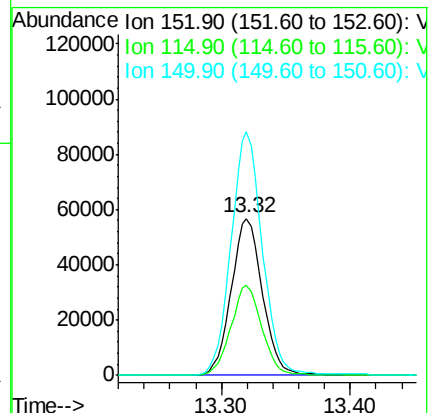
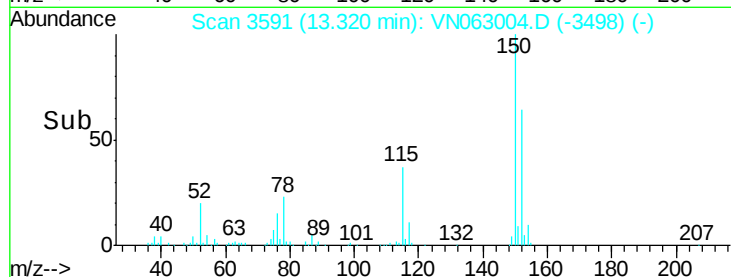
150 155.7 0.0 348.8



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: 27.414 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN063004.D

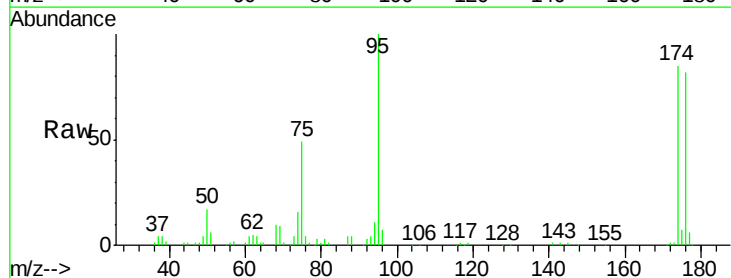
Acq: 19 Aug 2020 11:16

Tgt Ion: 75 Resp: 50829

Ion Ratio Lower Upper

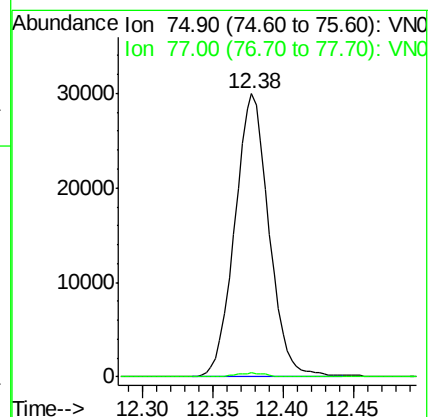
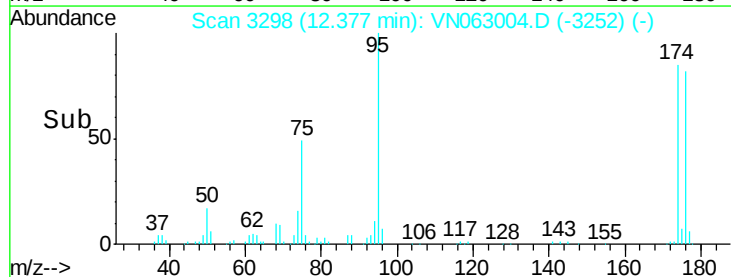
75 100

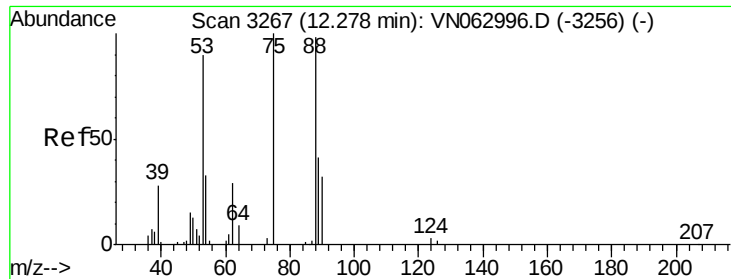
77 1.1 0.0 0.0#



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: 75.290 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN063004.D

Acq: 19 Aug 2020 11:16

Instrument :

MSVOA_N

ClientSampled :

GW-01

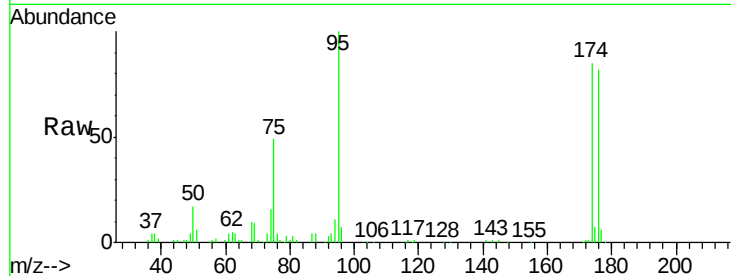
Tgt Ion: 75 Resp: 50829

Ion Ratio Lower Upper

75 100

53 0.0 69.2 103.8#

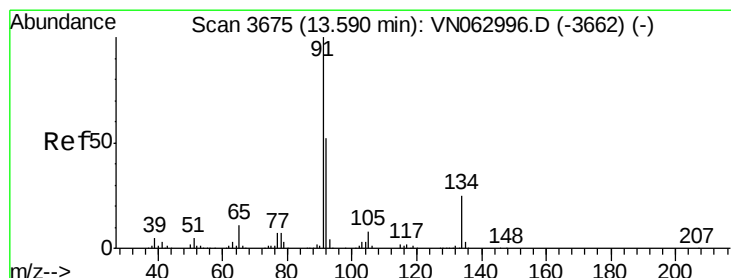
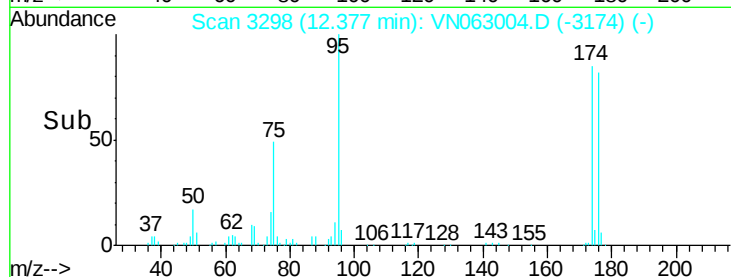
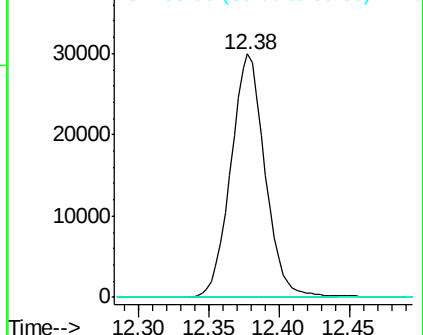
89 0.0 34.2 51.4#



Abundance Ion 74.90 (74.60 to 75.60): VN062996.D (-3256) (-)

Ion 53.00 (52.70 to 53.70): VN062996.D (-3256) (-)

Ion 88.90 (88.60 to 89.60): VN062996.D (-3256) (-)



#89

n-Butylbenzene

Concen: 2.816 ug/l

RT: 13.60 min Scan# 3677

Delta R.T. 0.01 min

Lab File: VN063004.D

Acq: 19 Aug 2020 11:16

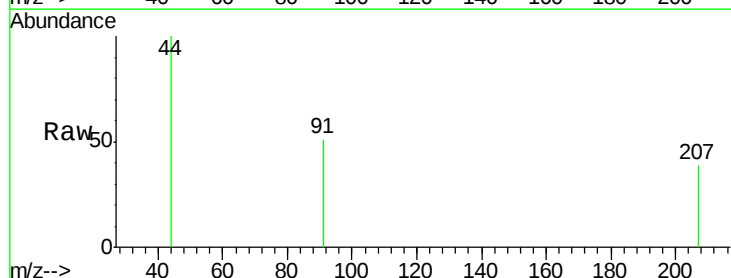
Tgt Ion: 91 Resp: 249

Ion Ratio Lower Upper

91 100

92 0.0 25.9 77.6#

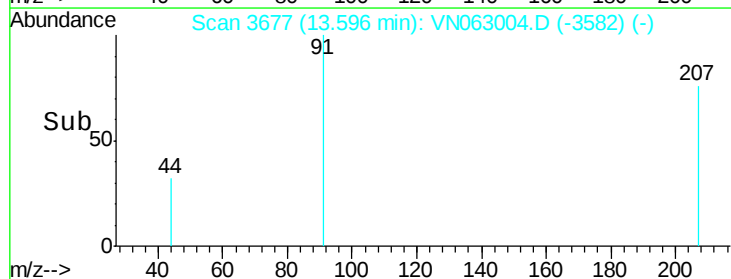
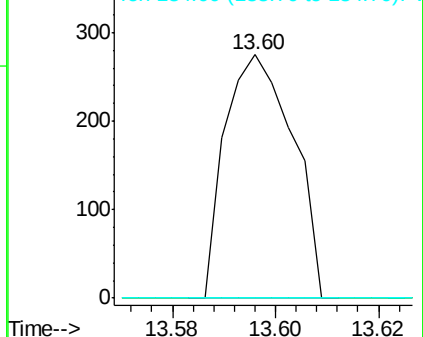
134 0.0 12.4 37.0#

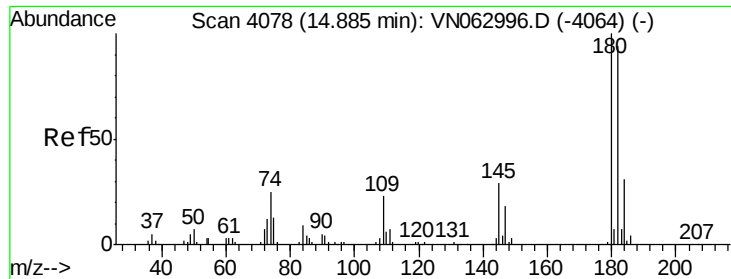


Abundance Ion 91.00 (90.70 to 91.70): VN062996.D (-3662) (-)

Ion 92.00 (91.70 to 92.70): VN062996.D (-3662) (-)

Ion 134.00 (133.70 to 134.70): VN062996.D (-3662) (-)

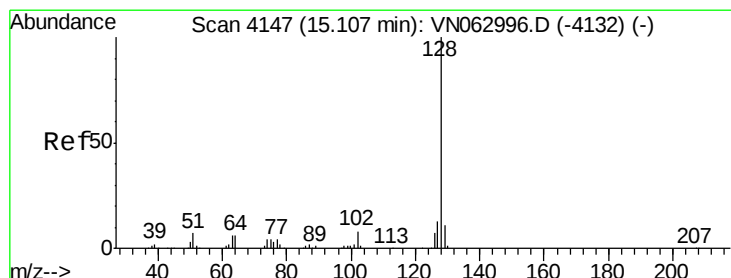
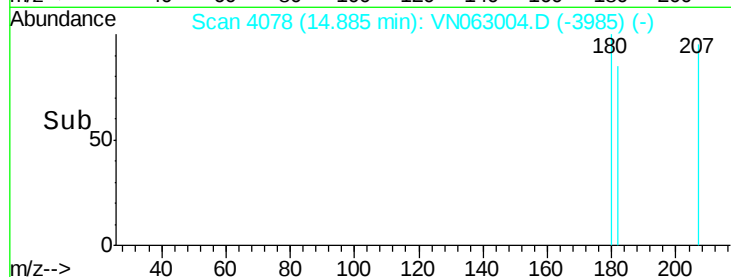
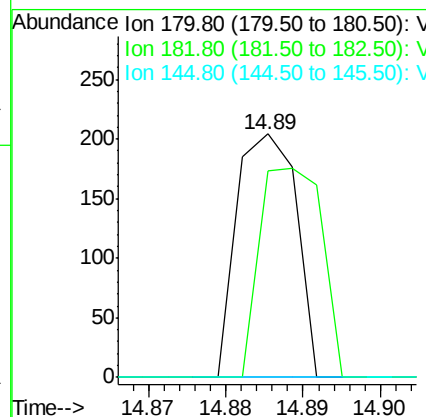
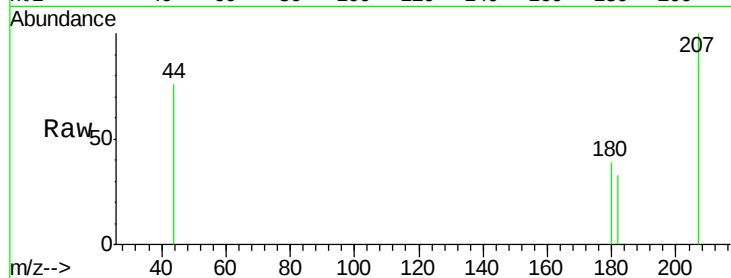




#93
 1,2,4-Trichlorobenzene
 Concen: 4.605 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN063004.D
 Acq: 19 Aug 2020 11:16

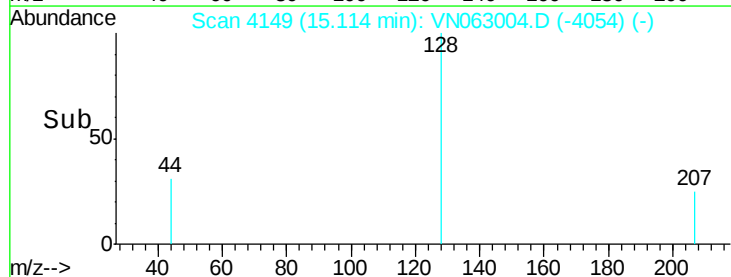
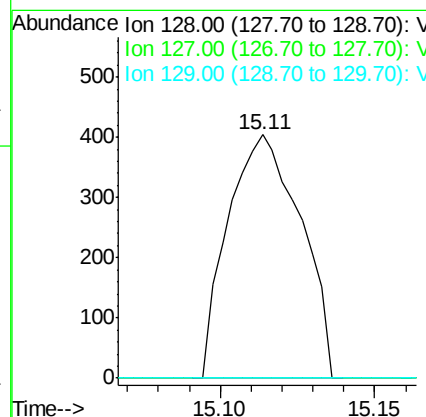
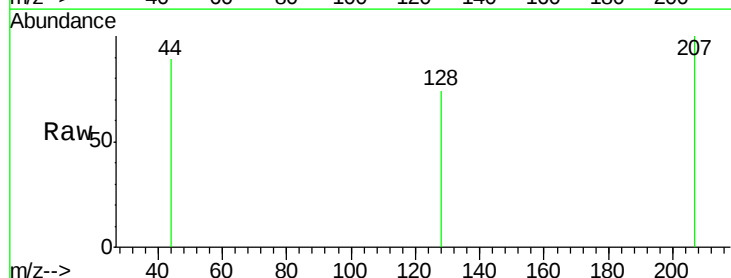
Instrument :
 MSVOA_N
 ClientSampled :
 GW-01

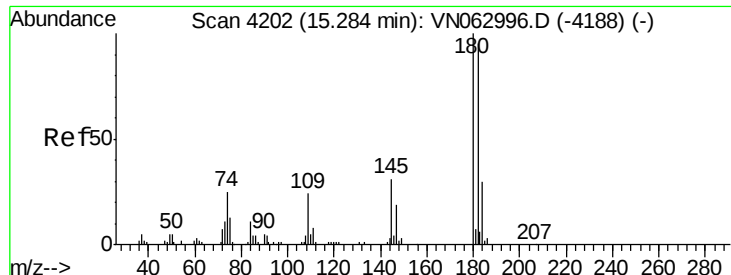
Tgt Ion:180 Resp: 109
 Ion Ratio Lower Upper
 180 100
 182 89.9 47.0 141.2
 145 0.0 14.1 42.4#



#95
 Naphthalene
 Concen: 5.796 ug/l
 RT: 15.11 min Scan# 4149
 Delta R.T. 0.01 min
 Lab File: VN063004.D
 Acq: 19 Aug 2020 11:16

Tgt Ion:128 Resp: 660
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.6 16.0#
 129 0.0 8.9 13.3#





#96
 1,2,3-Trichlorobenzene
 Concen: 4.032 ug/l
 RT: 15.29 min Scan# 4203
 Delta R.T. 0.00 min
 Lab File: VN063004.D
 Acq: 19 Aug 2020 11:16

Instrument :
 MSVOA_N
 ClientSampleId :
 GW-01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	78.6	47.3	141.9
145	0.0	15.6	46.7

