

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN060520\
 Data File : VN061662.D
 Acq On : 5 Jun 2020 12:23
 Operator : JC/MD
 Sample : L2904-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VE-4-11

Quant Time: Jun 06 03:20:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	297249	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	512626	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	492154	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	222149	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	168422	47.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.12%	
35) Dibromofluoromethane	7.55	113	145632	56.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.00%	
50) Toluene-d8	10.06	98	607050	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	
62) 4-Bromofluorobenzene	12.38	95	220275	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	

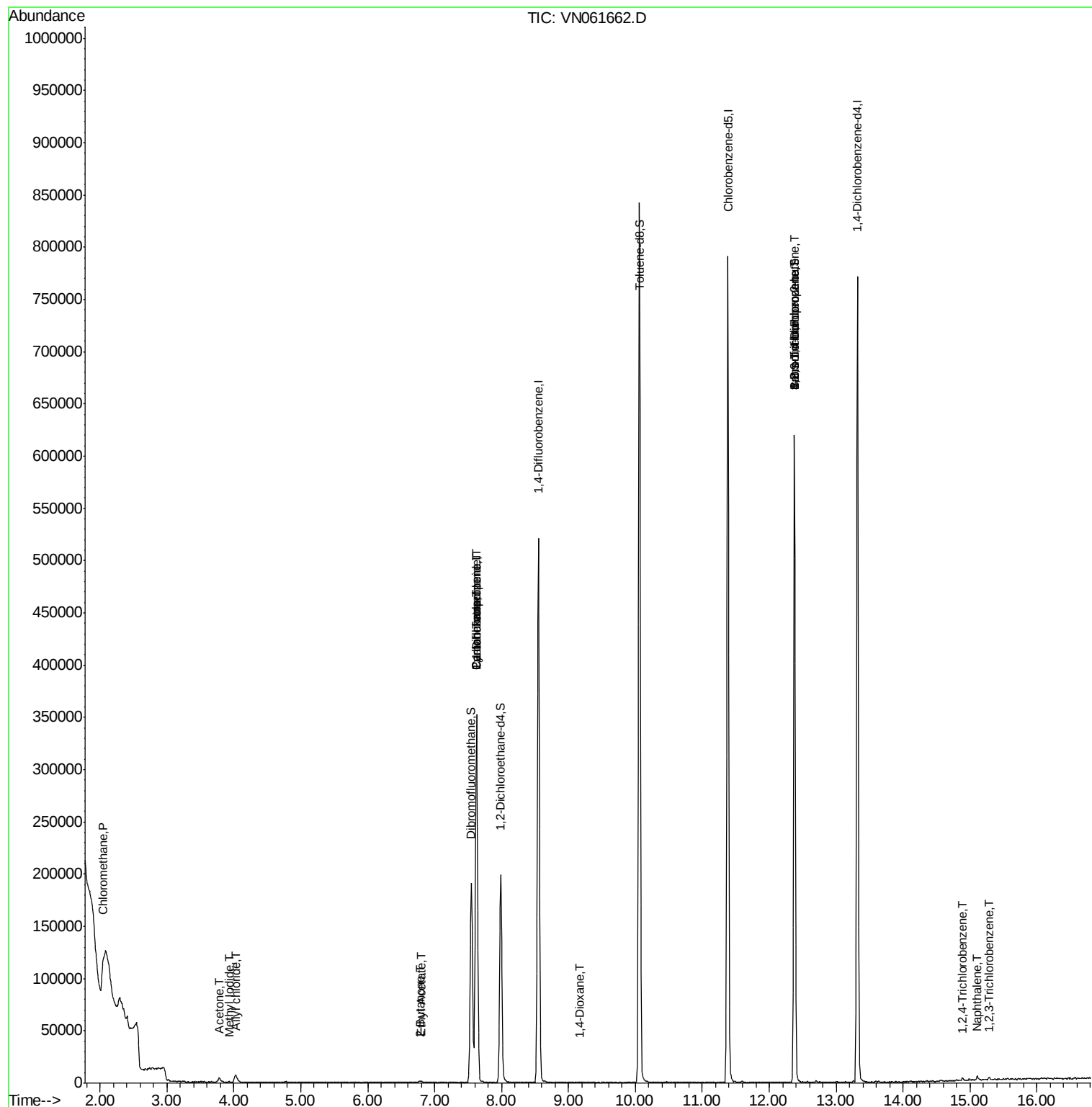
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1678	0.46	ug/l	95
10) Methyl Iodide	3.92	142	993	0.25	ug/l #	53
14) Allyl chloride	4.02	41	1266	0.32	ug/l #	50
16) Acetone	3.78	43	6580	0.55	ug/l	98
25) 2-Butanone	6.78	43	516	0.31	ug/l #	42
31) Cyclohexane	7.63	56	5330	1.07	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	21246	4.68	ug/l #	48
37) Ethyl Acetate	6.81	43	733	0.20	ug/l #	66
38) Carbon Tetrachloride	7.62	117	28616	6.54	ug/l #	16
49) 1,4-Dioxane	9.17	88	32	0.70	ug/l #	29
71) Bromoform	12.37	173	1961	0.67	ug/l #	1
76) 1,2,3-Trichloropropane	12.37	75	105663	26.16	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	105663	66.89	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.89	180	1074	0.26	ug/l	79
95) Naphthalene	15.11	128	3312	0.27	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.28	180	1138	0.28	ug/l	95

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061662.D

Acq: 5 Jun 2020 12:23

Instrument :

MSVOA_N

ClientSampleId :

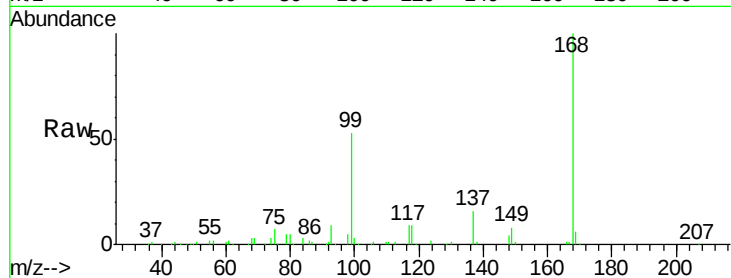
VE-4-11

Tgt Ion:168 Resp: 297249

Ion Ratio Lower Upper

168 100

99 52.7 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

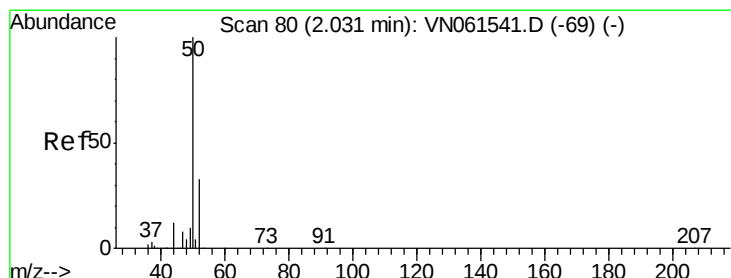
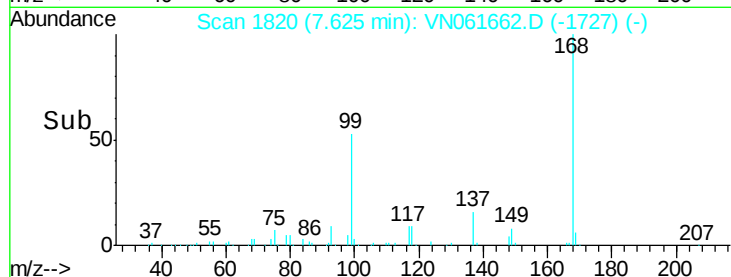
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 0.46 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.01 min

Lab File: VN061662.D

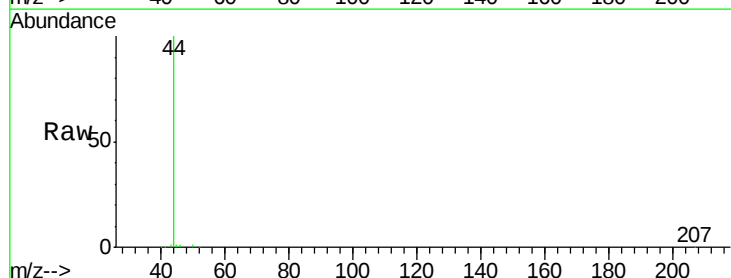
Acq: 5 Jun 2020 12:23

Tgt Ion: 50 Resp: 1678

Ion Ratio Lower Upper

50 100

52 30.8 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

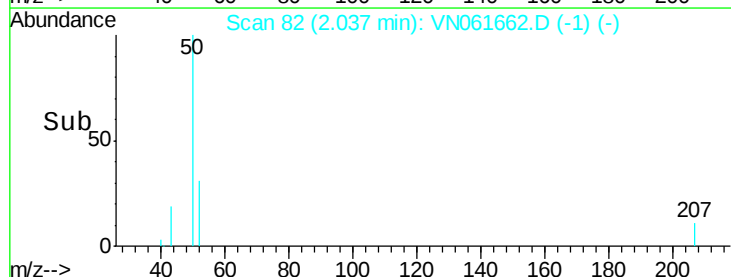
2.04

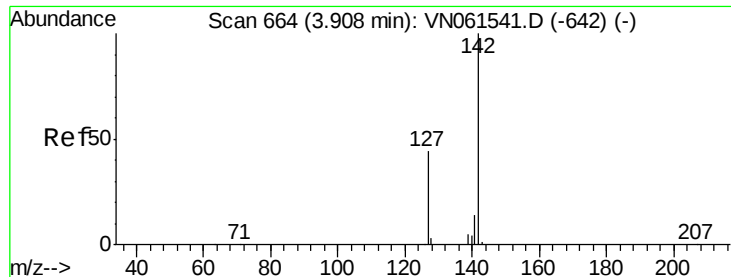
1000

500

0

Time--> 2.00 2.05

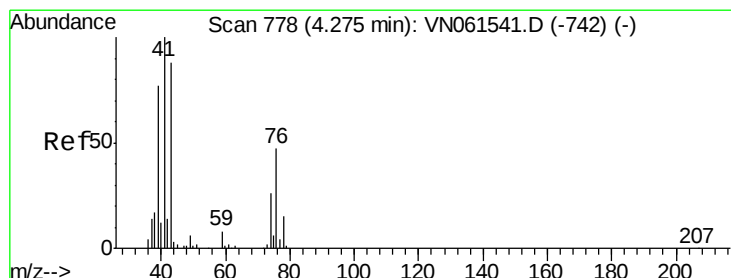
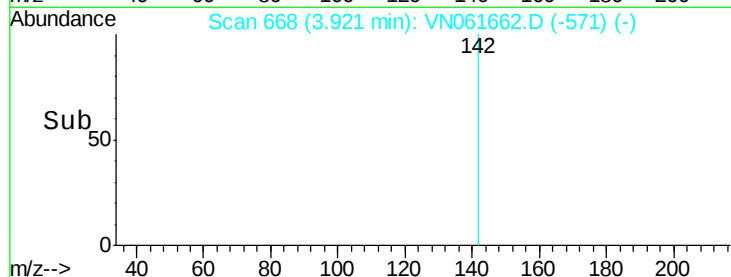
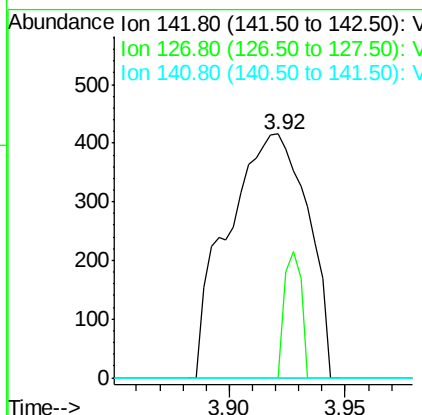
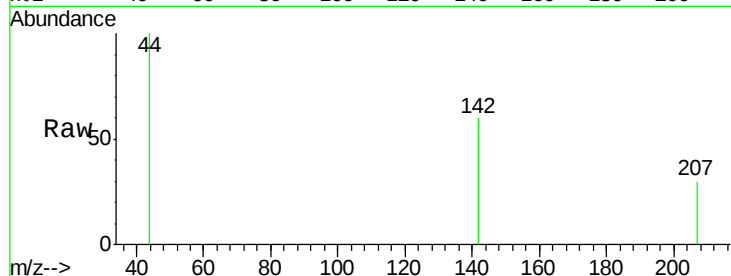




#10
Methyl Iodide
Concen: 0.25 ug/l
RT: 3.92 min Scan# 668
Delta R.T. 0.01 min
Lab File: VN061662.D
Acq: 5 Jun 2020 12:23

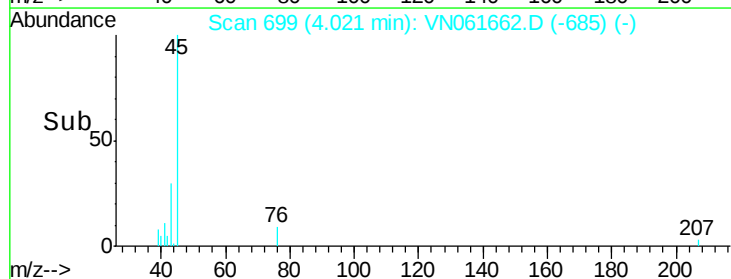
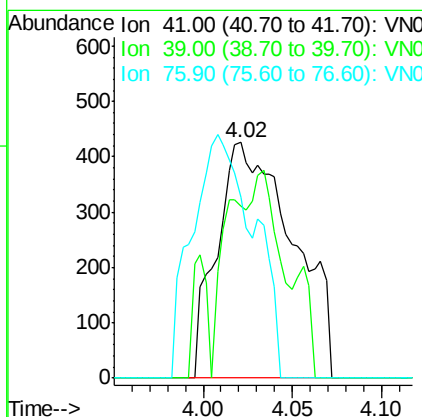
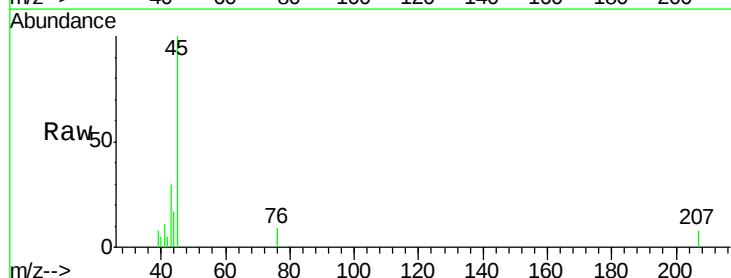
Instrument :
MSVOA_N
ClientSampled :
VE-4-11

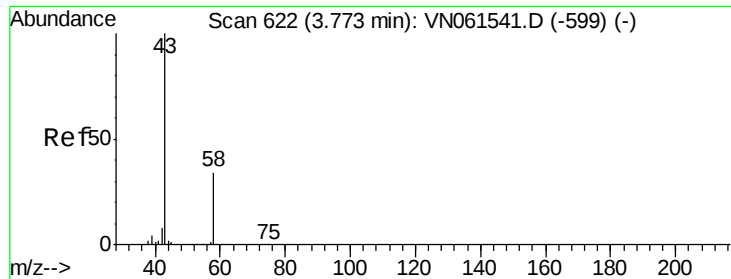
Tgt Ion: 142 Resp: 993
Ion Ratio Lower Upper
142 100
127 11.0 35.5 53.3#
141 0.0 11.5 17.3#



#14
Allyl chloride
Concen: 0.32 ug/l
RT: 4.02 min Scan# 699
Delta R.T. -0.25 min
Lab File: VN061662.D
Acq: 5 Jun 2020 12:23

Tgt Ion: 41 Resp: 1266
Ion Ratio Lower Upper
41 100
39 26.3 58.6 88.0#
76 68.8 34.2 51.4#

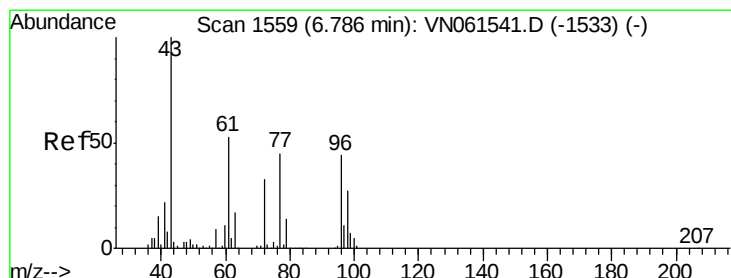
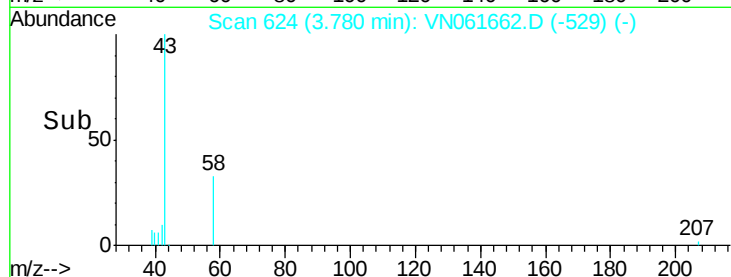
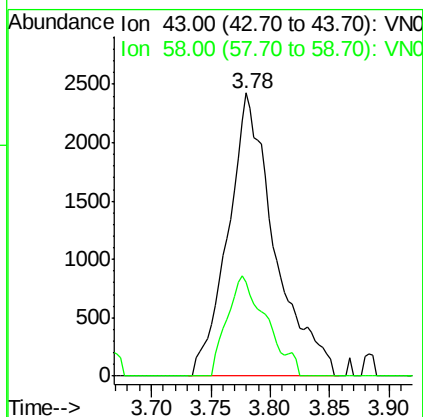
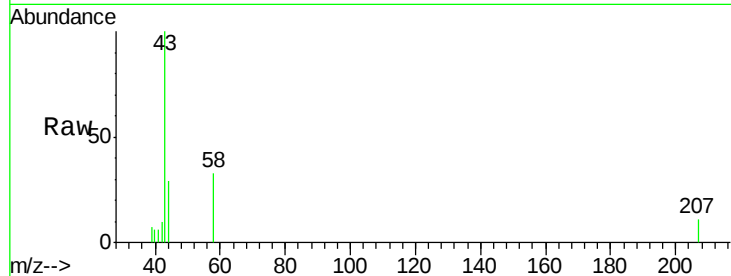




#16
Acetone
Concen: 0.55 ug/l
RT: 3.78 min Scan# 624
Delta R.T. 0.01 min
Lab File: VN061662.D
Acq: 5 Jun 2020 12:23

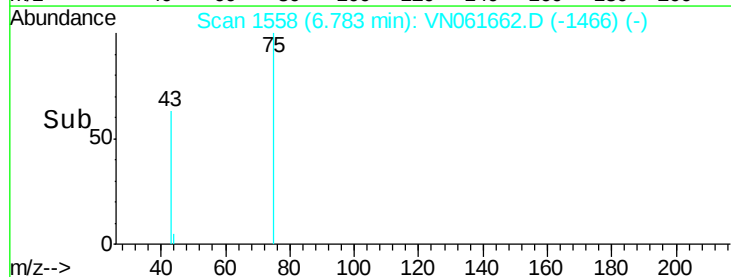
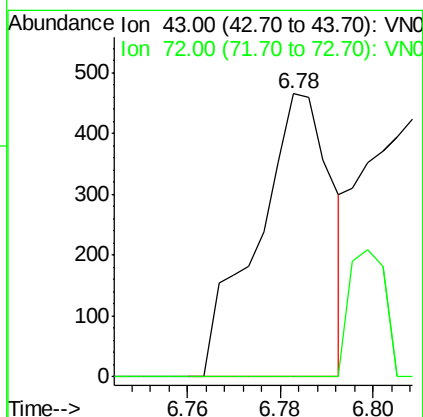
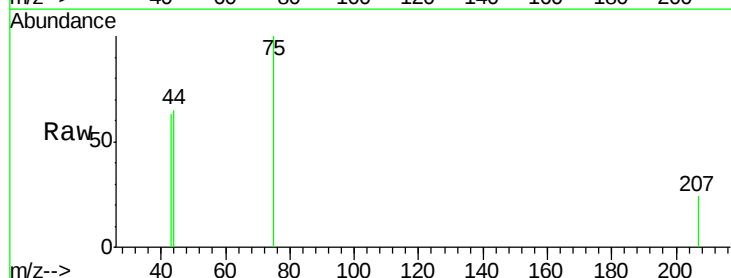
Instrument :
MSVOA_N
ClientSampled :
VE-4-11

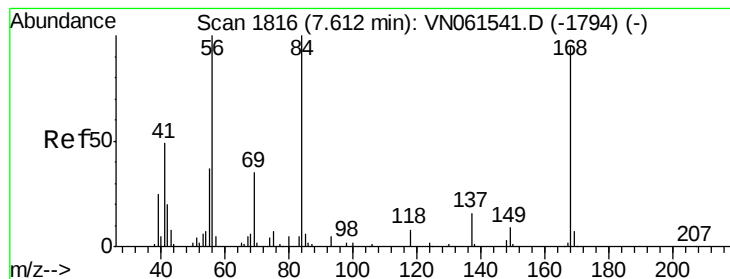
Tgt Ion: 43 Resp: 6580
Ion Ratio Lower Upper
43 100
58 33.0 27.2 40.8



#25
2-Butanone
Concen: 0.31 ug/l
RT: 6.78 min Scan# 1558
Delta R.T. -0.00 min
Lab File: VN061662.D
Acq: 5 Jun 2020 12:23

Tgt Ion: 43 Resp: 516
Ion Ratio Lower Upper
43 100
72 0.0 26.0 39.0#





#31

Cyclohexane

Concen: 1.07 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.02 min

Lab File: VN061662.D

Acq: 5 Jun 2020 12:23

Instrument :

MSVOA_N

ClientSampled :

VE-4-11

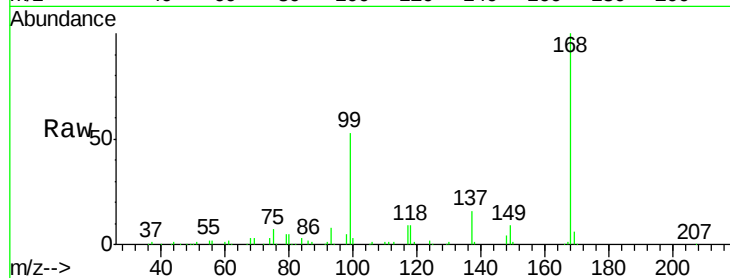
Tgt Ion: 56 Resp: 5330

Ion Ratio Lower Upper

56 100

69 175.8 27.8 41.8#

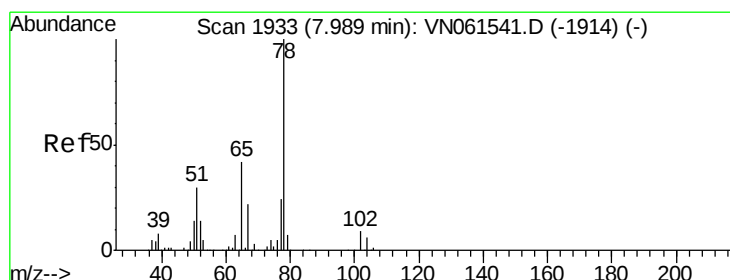
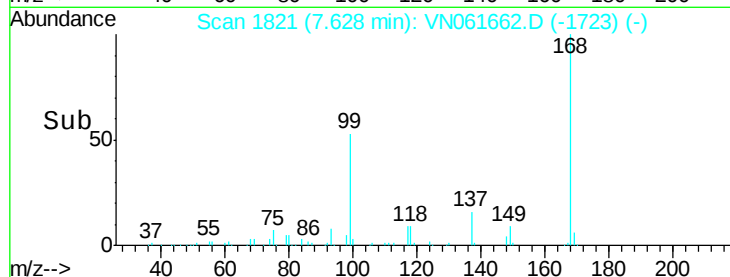
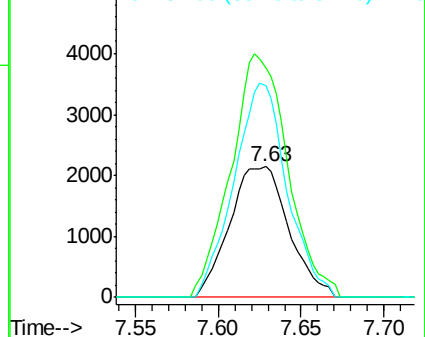
84 161.4 79.9 119.9#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 47.56 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN061662.D

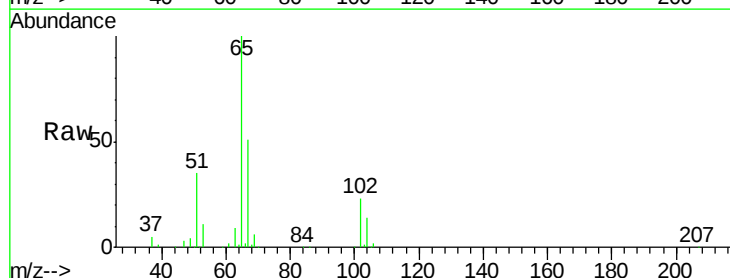
Acq: 5 Jun 2020 12:23

Tgt Ion: 65 Resp: 168422

Ion Ratio Lower Upper

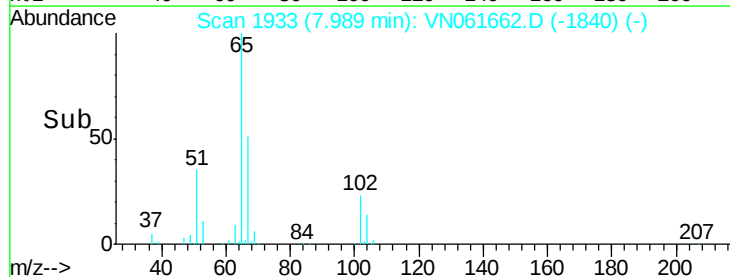
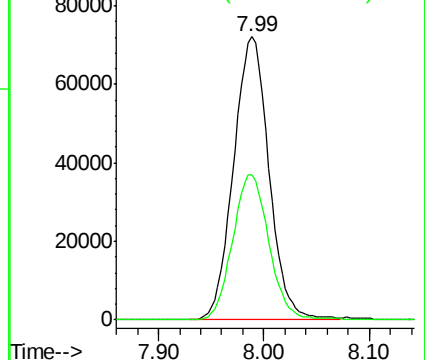
65 100

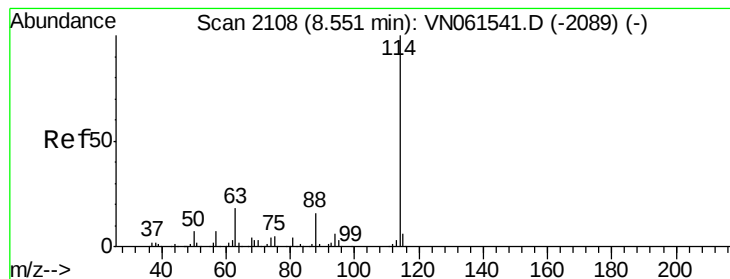
67 52.6 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN061662.D

Acq: 5 Jun 2020 12:23

Instrument :

MSVOA_N

ClientSampleId :

VE-4-11

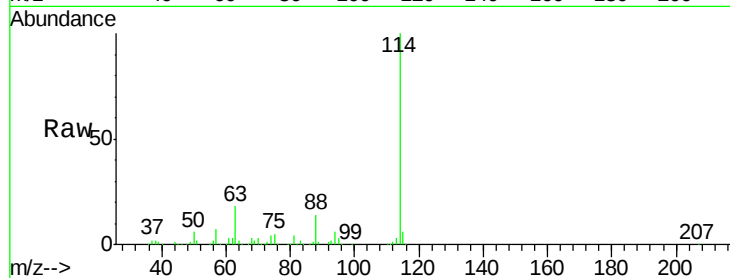
Tgt Ion:114 Resp: 512626

Ion Ratio Lower Upper

114 100

63 17.6 0.0 35.8

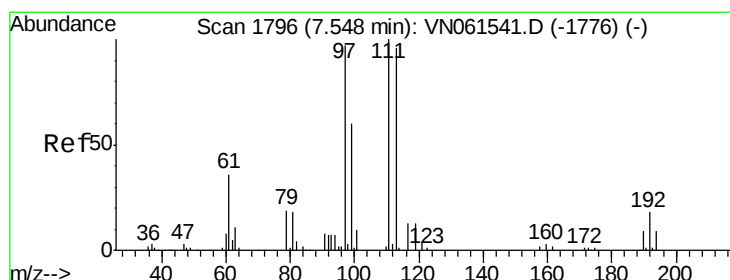
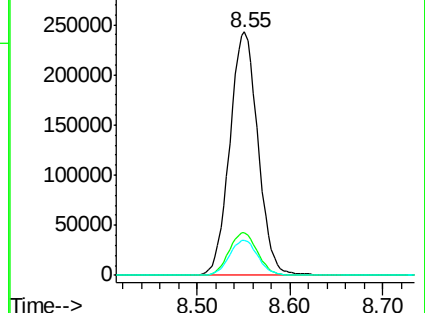
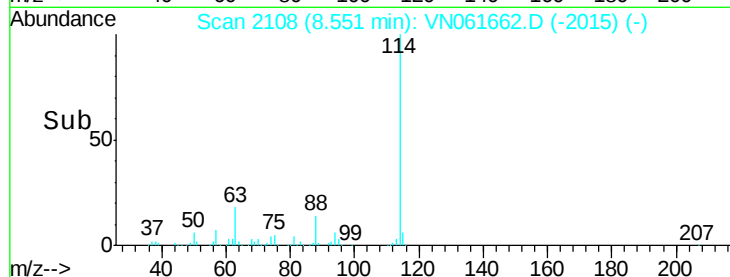
88 14.4 0.0 31.0



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: 56.00 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN061662.D

Acq: 5 Jun 2020 12:23

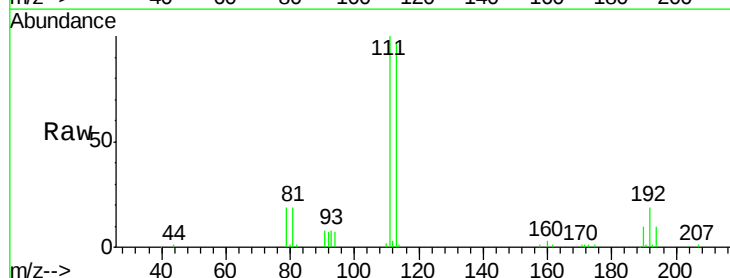
Tgt Ion:113 Resp: 145632

Ion Ratio Lower Upper

113 100

111 103.1 83.4 125.0

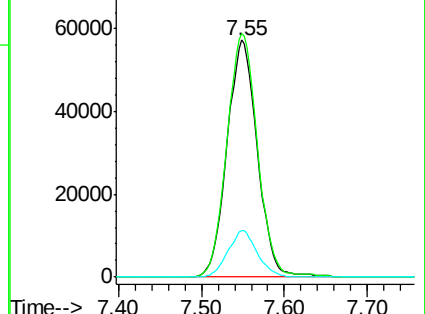
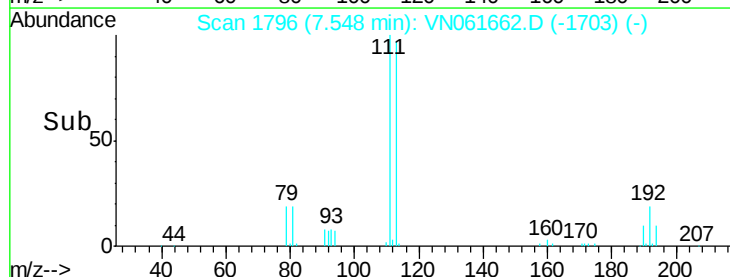
192 18.9 15.4 23.2

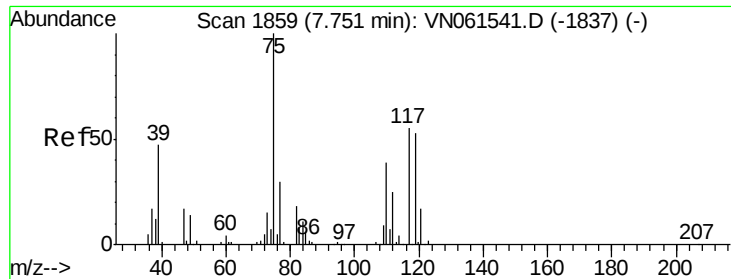


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

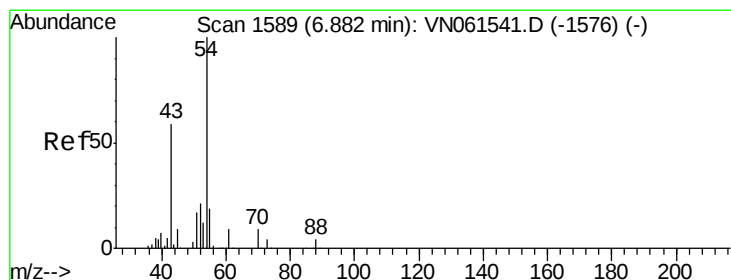
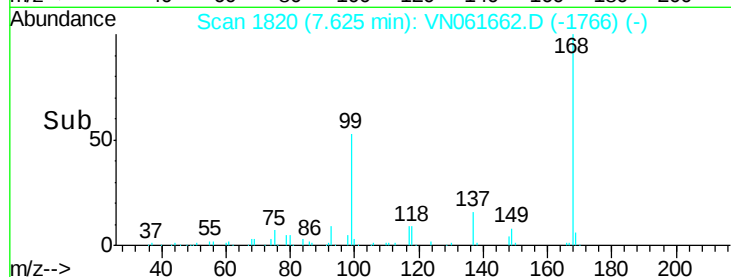
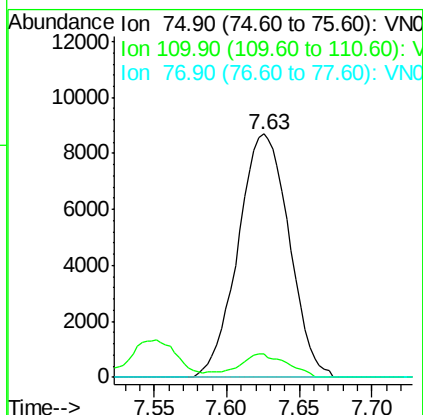
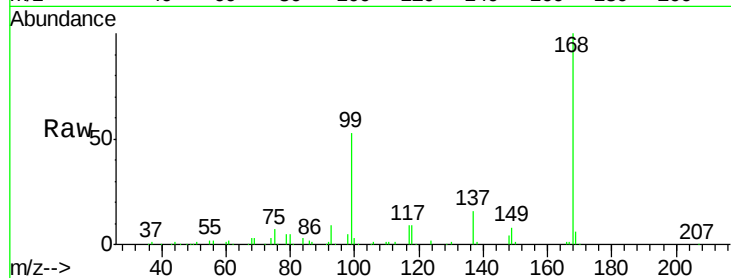




#36
 1,1-Dichloropropene
 Concen: 4.68 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061662.D
 Acq: 5 Jun 2020 12:23

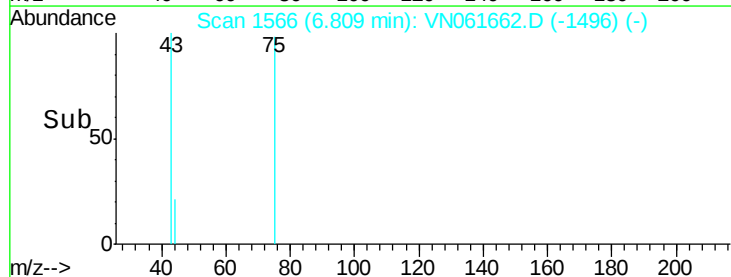
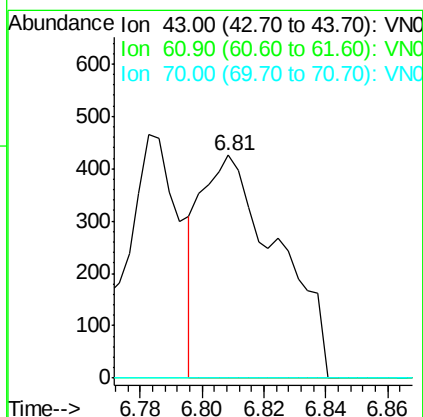
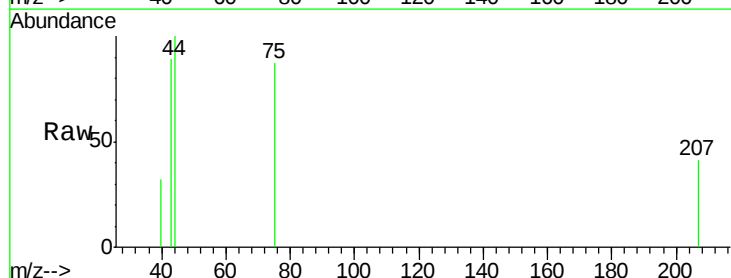
Instrument :
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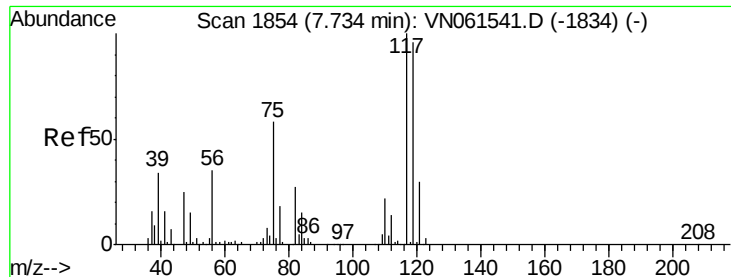
Tgt Ion: 75 Resp: 21246
 Ion Ratio Lower Upper
 75 100
 110 9.0 19.5 58.5#
 77 0.0 24.7 37.1#



#37
 Ethyl Acetate
 Concen: 0.20 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.07 min
 Lab File: VN061662.D
 Acq: 5 Jun 2020 12:23

Tgt Ion: 43 Resp: 733
 Ion Ratio Lower Upper
 43 100
 61 0.0 12.2 18.4#
 70 0.0 9.4 14.2#

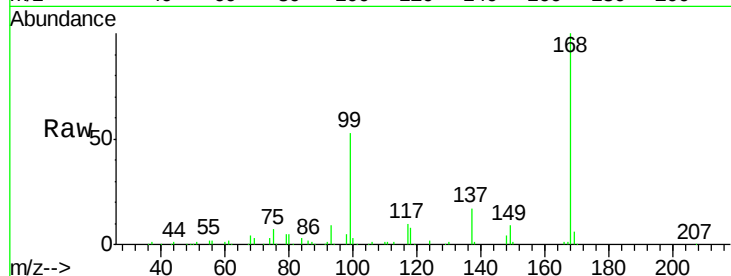




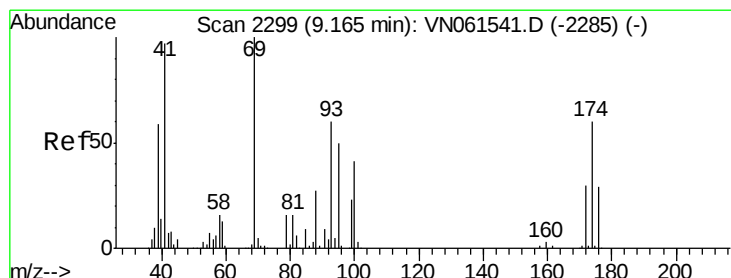
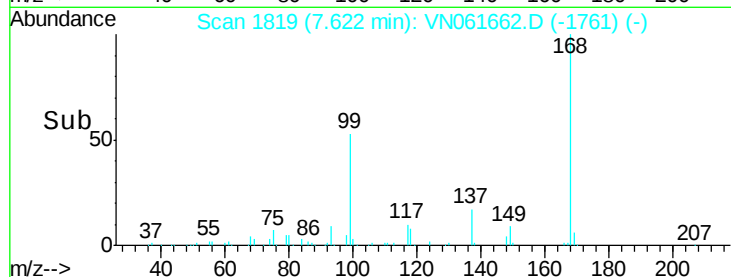
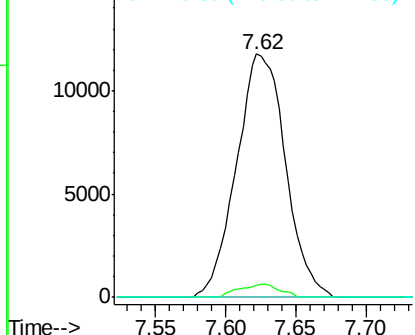
#38
Carbon Tetrachloride
Concen: 6.54 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. -0.11 min
Lab File: VN061662.D
Acq: 5 Jun 2020 12:23

Instrument :
MSVOA_N
ClientSampled :
VE-4-11

Tgt Ion: 117 Resp: 28616
Ion Ratio Lower Upper
117 100
119 4.8 76.5 114.7#
121 0.0 24.1 36.1#

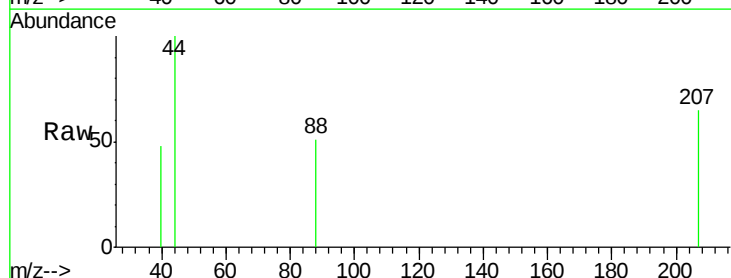


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

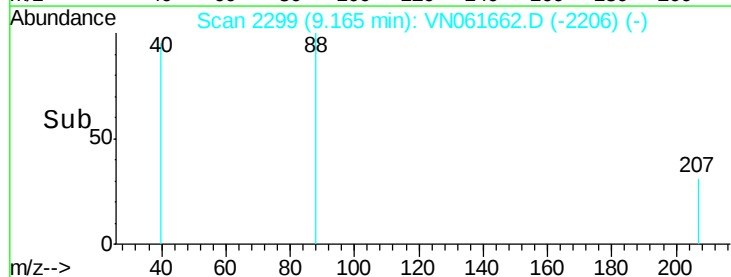
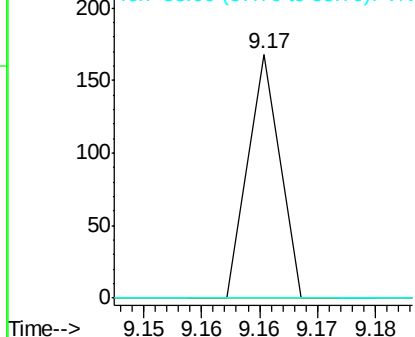


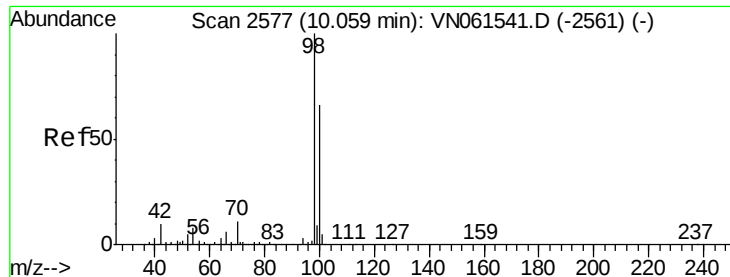
#49
1,4-Dioxane
Concen: 0.70 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN061662.D
Acq: 5 Jun 2020 12:23

Tgt Ion: 88 Resp: 32
Ion Ratio Lower Upper
88 100
43 0.0 23.1 34.7#
58 0.0 48.3 72.5#



Abundance Ion 88.00 (87.70 to 88.70): V
Ion 43.00 (42.70 to 43.70): V
Ion 58.00 (57.70 to 58.70): V





#50

Toluene-d8

Concen: 50.37 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061662.D

Acq: 5 Jun 2020 12:23

Instrument :

MSVOA_N

ClientSampleId :

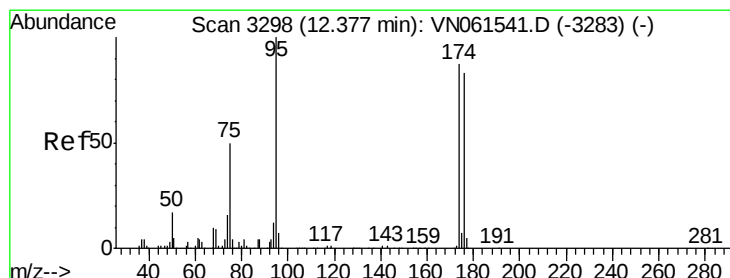
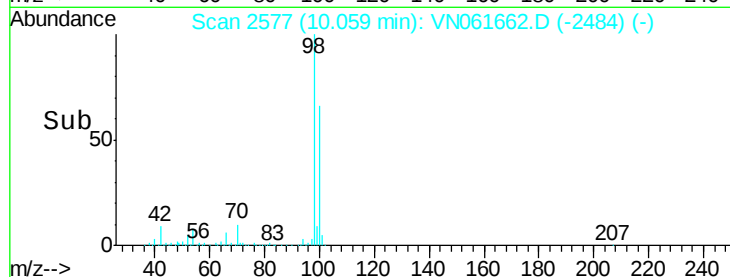
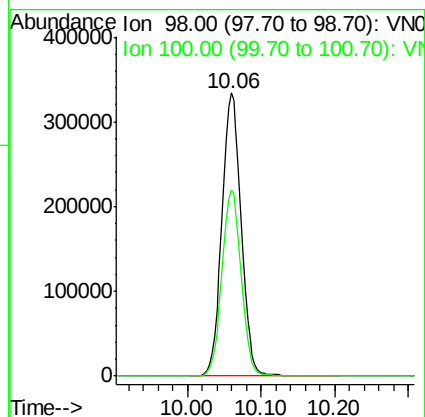
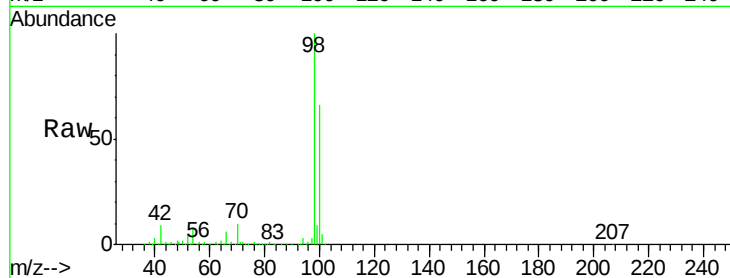
VE-4-11

Tgt Ion: 98 Resp: 607050

Ion Ratio Lower Upper

98 100

100 65.5 52.8 79.2



#62

4-Bromofluorobenzene

Concen: 50.10 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN061662.D

Acq: 5 Jun 2020 12:23

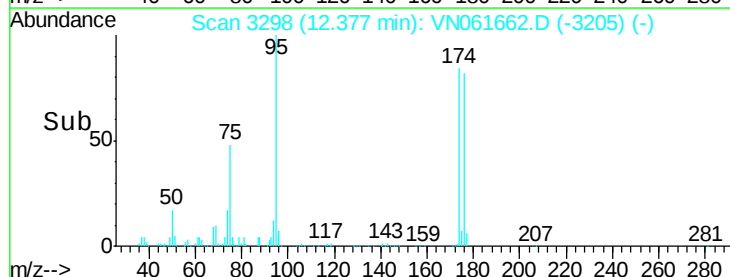
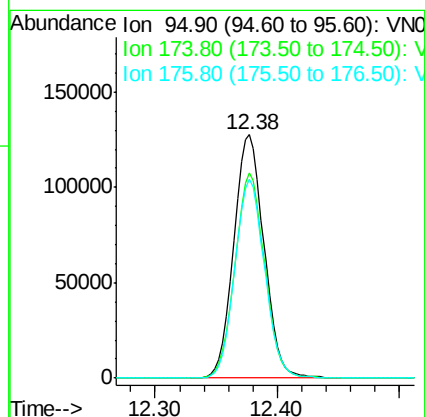
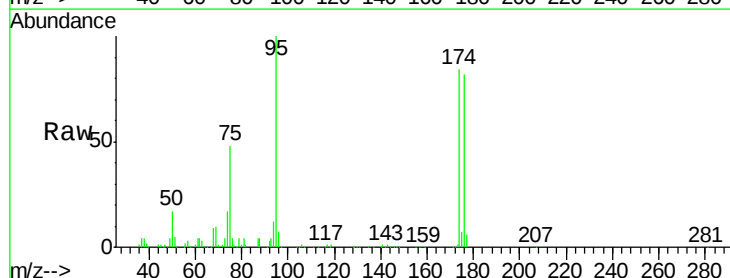
Tgt Ion: 95 Resp: 220275

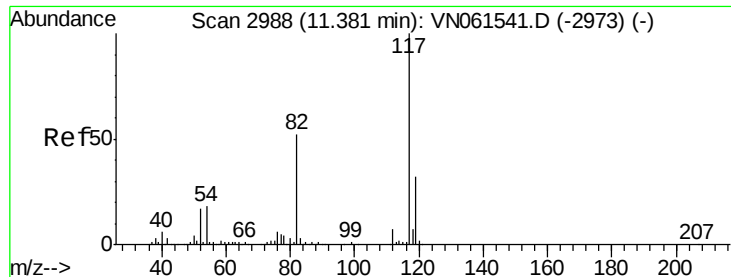
Ion Ratio Lower Upper

95 100

174 83.0 0.0 172.8

176 80.7 0.0 164.8

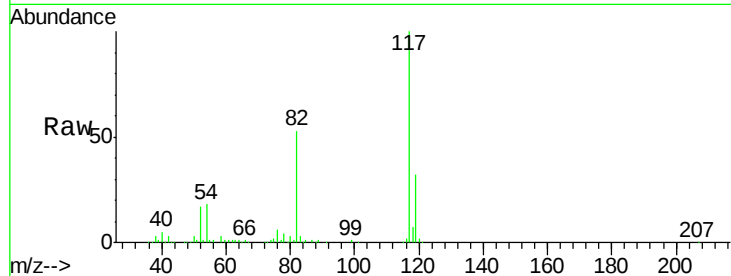




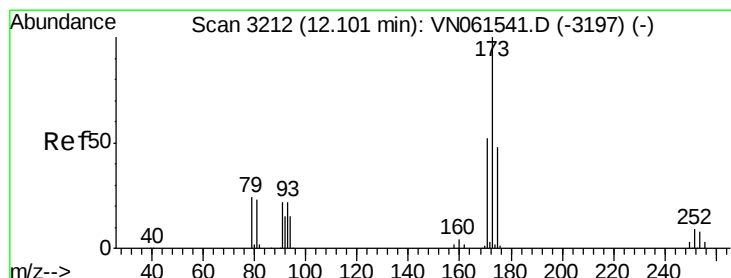
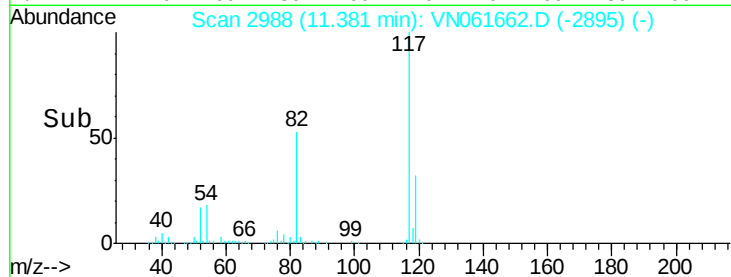
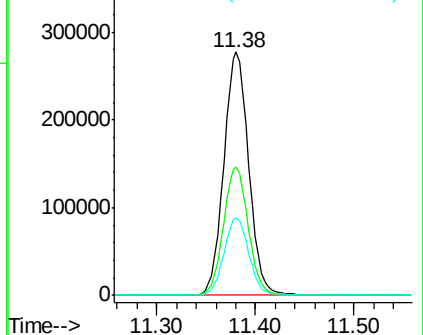
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061662.D
Acq: 5 Jun 2020 12:23

Instrument :
MSVOA_N
ClientSampleId :
VE-4-11

Tgt Ion:117 Resp: 492154
Ion Ratio Lower Upper
117 100
82 52.8 41.5 62.3
119 31.8 25.6 38.4

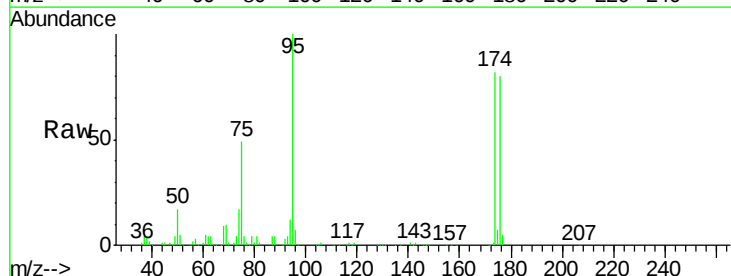


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

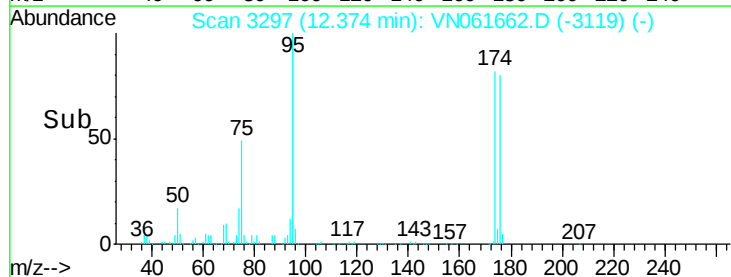
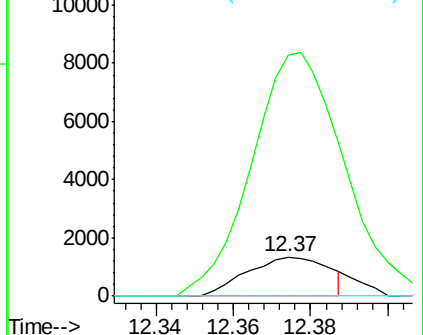


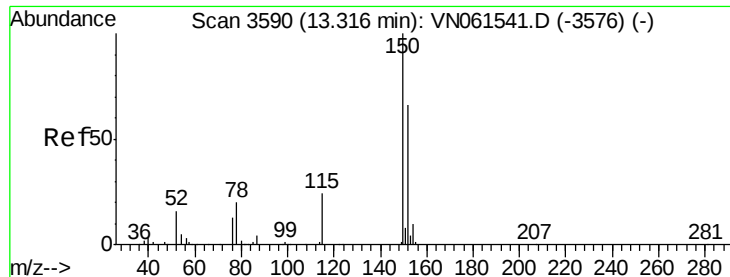
#71
Bromoform
Concen: 0.67 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. 0.27 min
Lab File: VN061662.D
Acq: 5 Jun 2020 12:23

Tgt Ion:173 Resp: 1961
Ion Ratio Lower Upper
173 100
175 602.5 24.4 73.2#
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: 50.00 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061662.D

Acq: 5 Jun 2020 12:23

Instrument :

MSVOA_N

ClientSampleId :

VE-4-11

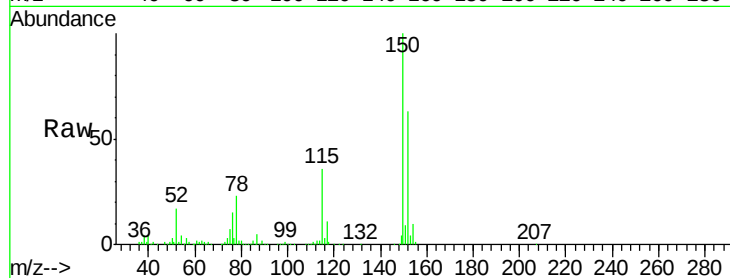
Tgt Ion:152 Resp: 222149

Ion Ratio Lower Upper

152 100

115 57.4 28.0 84.0

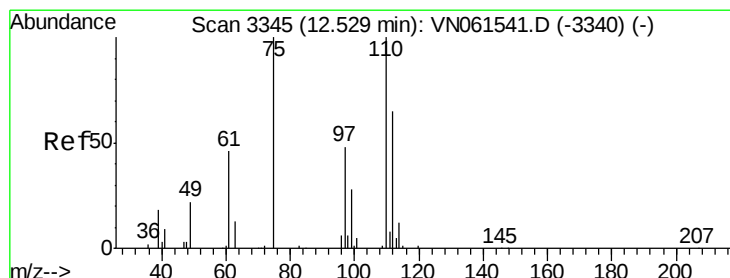
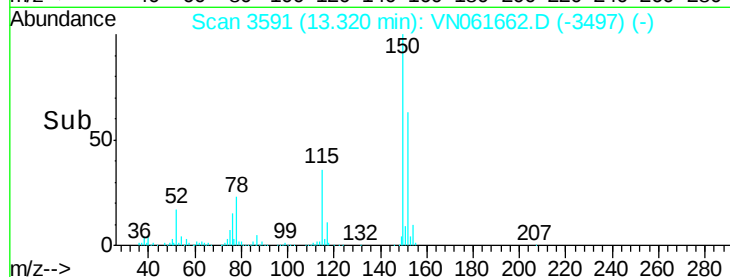
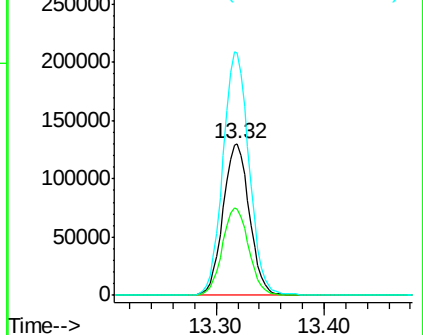
150 159.2 0.0 344.0



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: 26.16 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.15 min

Lab File: VN061662.D

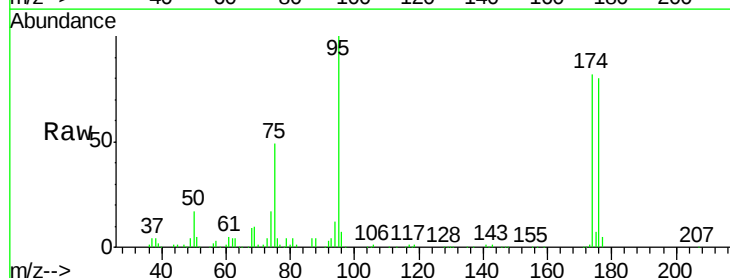
Acq: 5 Jun 2020 12:23

Tgt Ion: 75 Resp: 105663

Ion Ratio Lower Upper

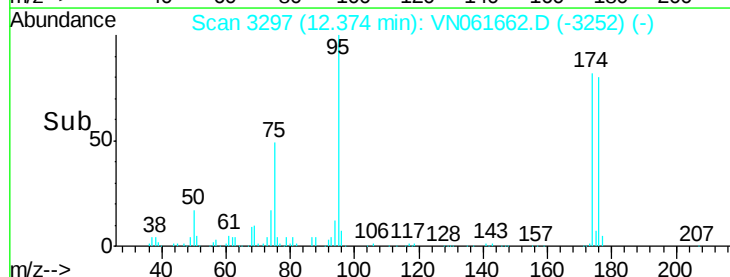
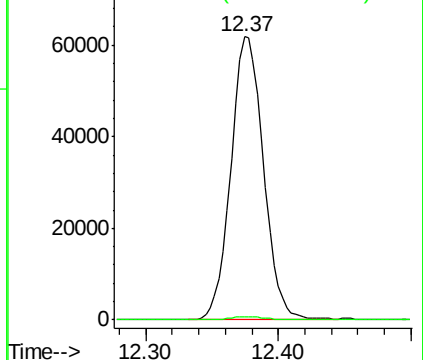
75 100

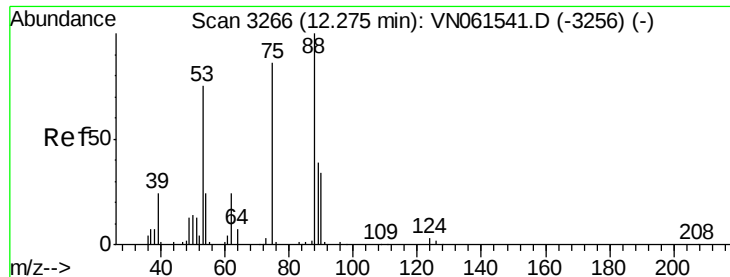
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

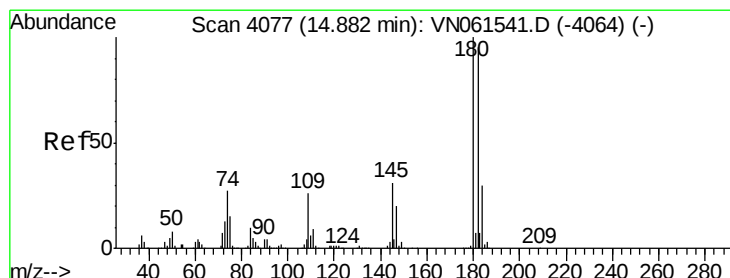
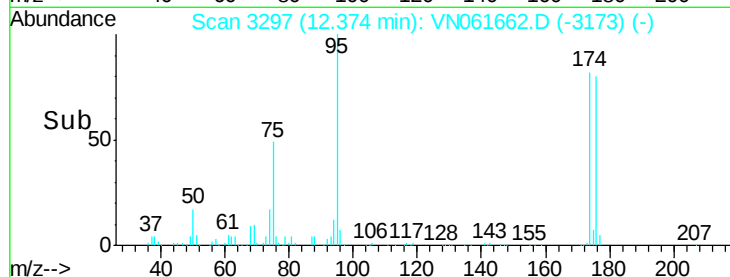
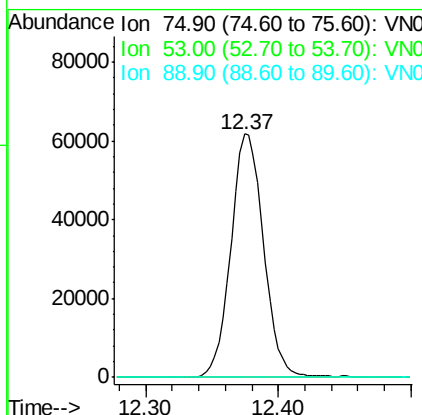
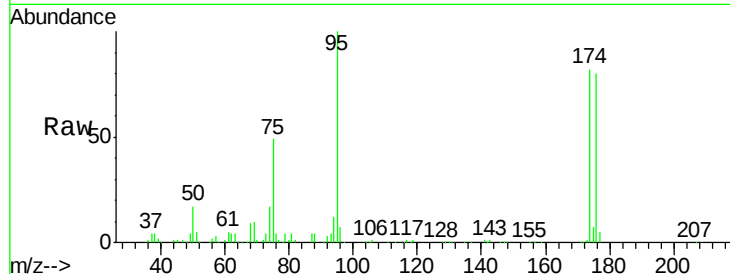




#81
trans-1,4-Dichloro-2-butene
Concen: 66.89 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. 0.10 min
Lab File: VN061662.D
Acq: 5 Jun 2020 12:23

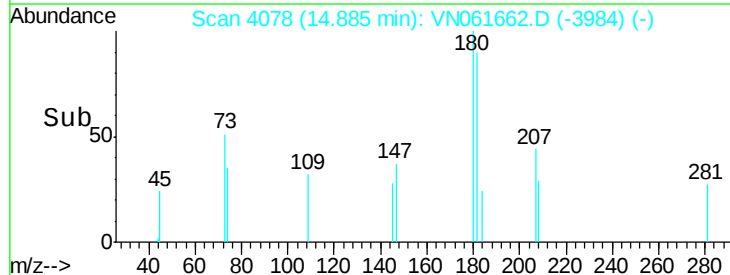
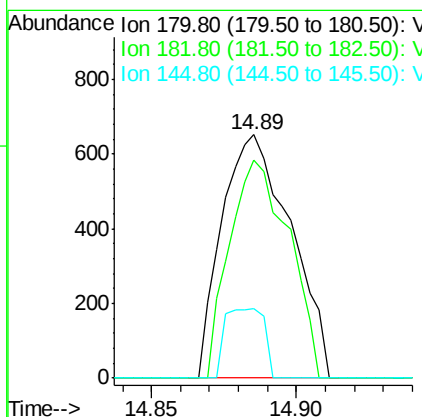
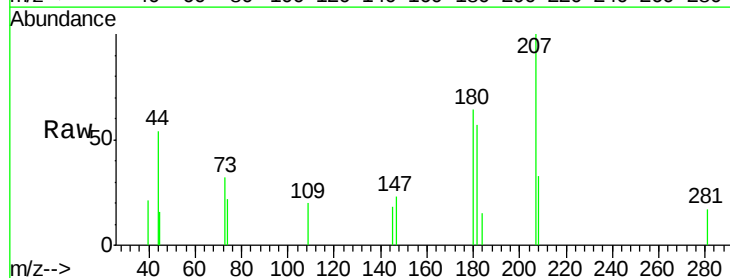
Instrument :
MSVOA_N
ClientSampled :
VE-4-11

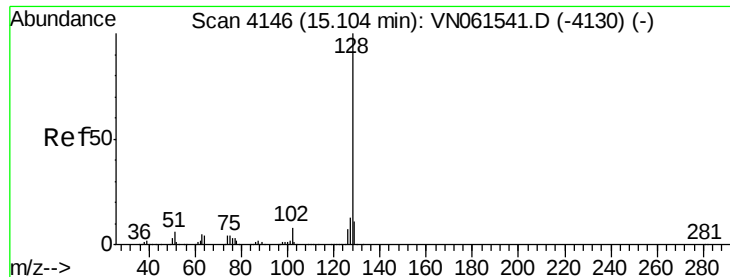
Tgt Ion: 75 Resp: 105663
Ion Ratio Lower Upper
75 100
53 0.0 67.8 101.8#
89 0.0 37.1 55.7#



#93
1,2,4-Trichlorobenzene
Concen: 0.26 ug/l
RT: 14.89 min Scan# 4078
Delta R.T. 0.00 min
Lab File: VN061662.D
Acq: 5 Jun 2020 12:23

Tgt Ion: 180 Resp: 1074
Ion Ratio Lower Upper
180 100
182 77.5 47.8 143.3
145 15.9 15.5 46.5





#95

Naphthalene

Concen: 0.27 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN061662.D

Acq: 5 Jun 2020 12:23

Instrument :

MSVOA_N

ClientSampleId :

VE-4-11

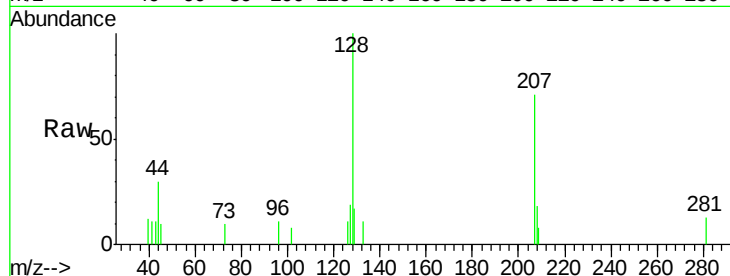
Tgt Ion:128 Resp: 3312

Ion Ratio Lower Upper

128 100

127 15.8 10.0 15.0#

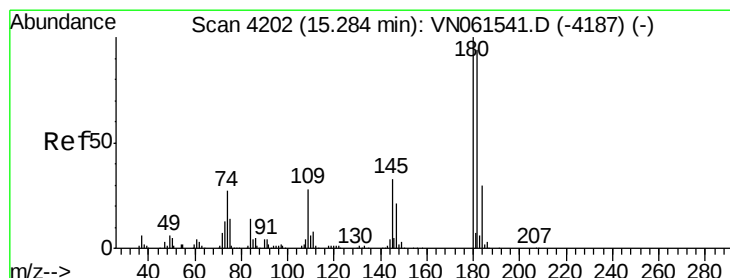
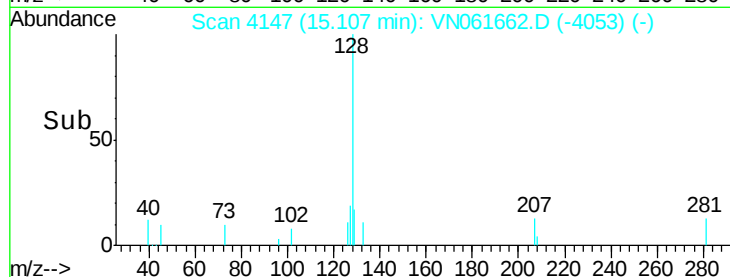
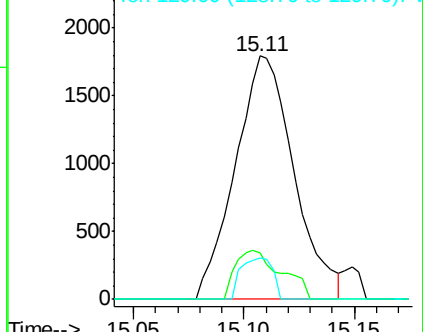
129 9.3 8.5 12.7



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: 0.28 ug/l

RT: 15.28 min Scan# 4201

Delta R.T. -0.00 min

Lab File: VN061662.D

Acq: 5 Jun 2020 12:23

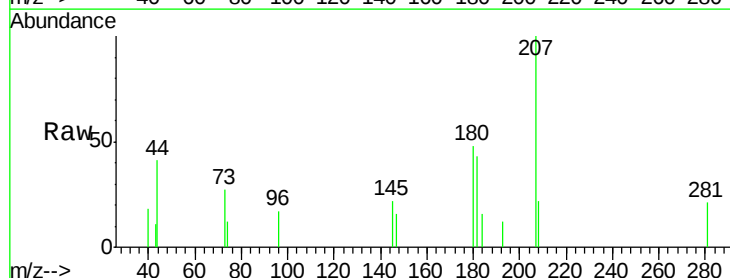
Tgt Ion:180 Resp: 1138

Ion Ratio Lower Upper

180 100

182 94.6 47.1 141.3

145 41.7 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

