

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041720\
 Data File : VN061068.D
 Acq On : 17 Apr 2020 22:34
 Operator : JC/MD
 Sample : VN0417WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 20 01:37:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 17 03:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	143865	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	244850	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	227291	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	98934	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	99133	53.86	ug/l	0.00
Spiked Amount			Recovery	=	107.72%	
35) Dibromofluoromethane	7.56	113	73975	51.73	ug/l	0.00
Spiked Amount			Recovery	=	103.46%	
50) Toluene-d8	10.08	98	303804	56.23	ug/l	0.00
Spiked Amount			Recovery	=	112.46%	
62) 4-Bromofluorobenzene	12.40	95	110627	52.24	ug/l	0.00
Spiked Amount			Recovery	=	104.48%	

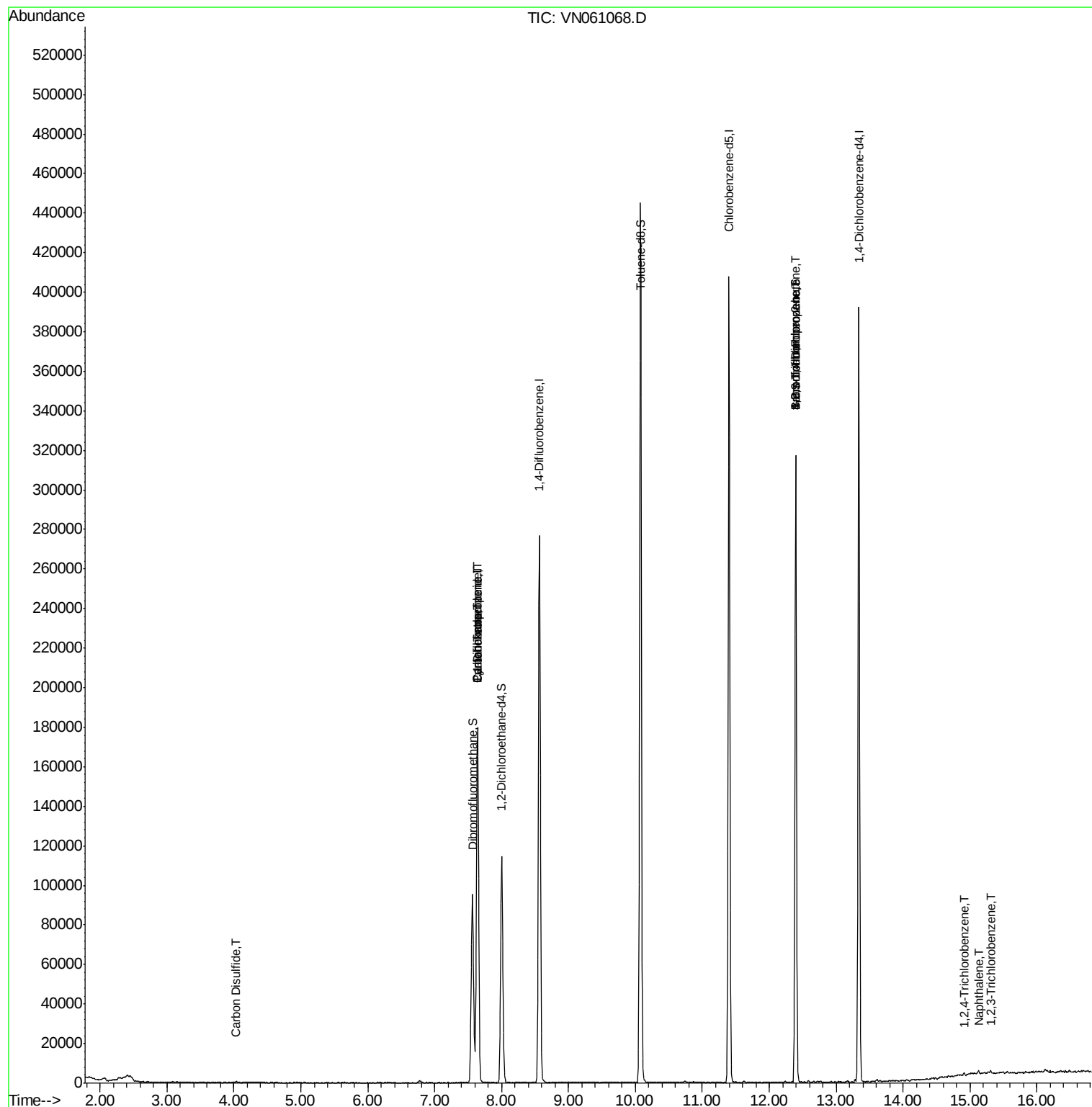
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
17) Carbon Disulfide	4.03	76	1073	0.218	ug/l #	74
31) Cyclohexane	7.64	56	3213	0.937	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	11410	4.516	ug/l #	48
38) Carbon Tetrachloride	7.64	117	14346	6.821	ug/l #	15
71) Bromoform	12.40	173	691	0.551	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	56911	26.152	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	56911	64.507	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.90	180	520	0.279	ug/l #	77
95) Naphthalene	15.13	128	2008	0.370	ug/l #	78
96) 1,2,3-Trichlorobenzene	15.31	180	615	0.343	ug/l #	72

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

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Instrument :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
Quant Title : SW846 8260
QLast Update : Fri Apr 17 03:49:39 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN061068.D

Acq: 17 Apr 2020 22:34

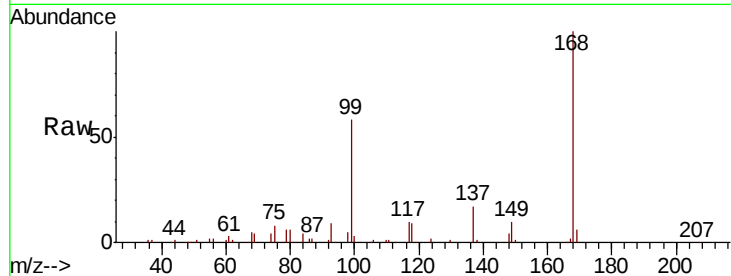
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 143865

Ion Ratio Lower Upper

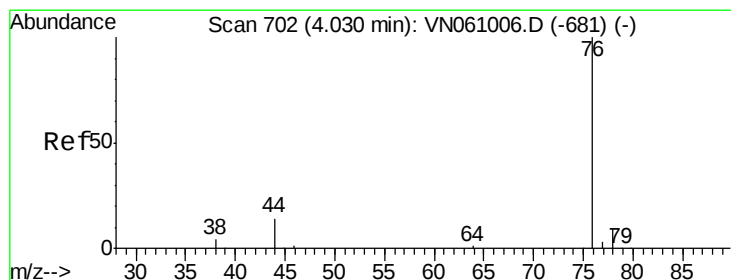
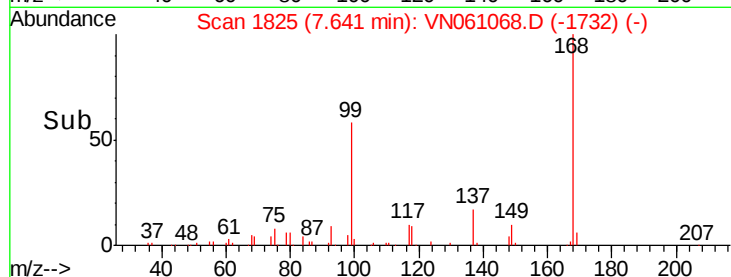
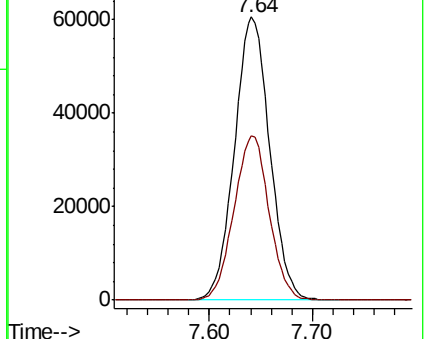
168 100

99 58.2 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#17

Carbon Disulfide

Concen: 0.218 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.00 min

Lab File: VN061068.D

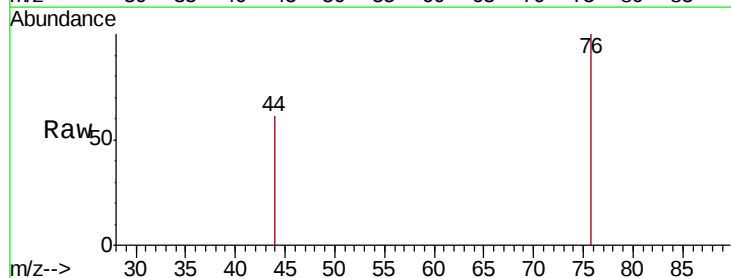
Acq: 17 Apr 2020 22:34

Tgt Ion: 76 Resp: 1073

Ion Ratio Lower Upper

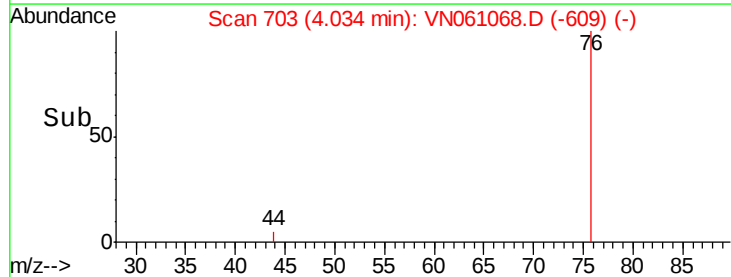
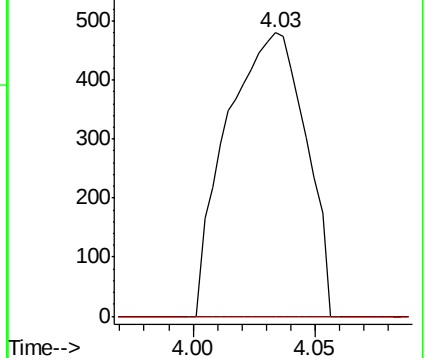
76 100

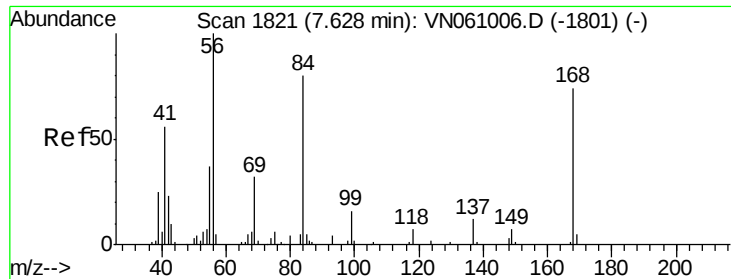
78 0.0 7.6 11.4#



Abundance Ion 75.90 (75.60 to 76.60): VN

Ion 77.90 (77.60 to 78.60): VN

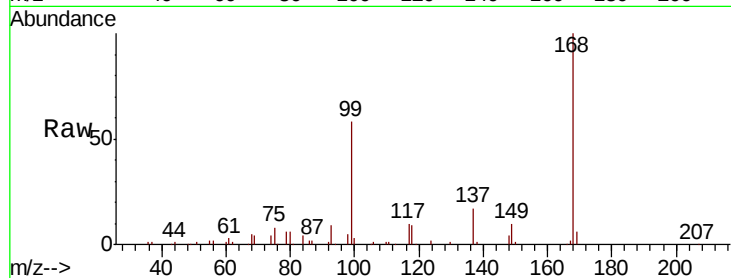




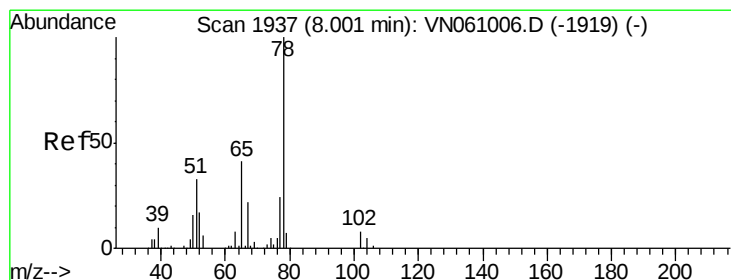
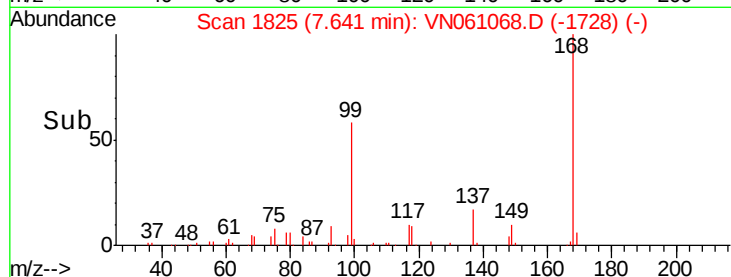
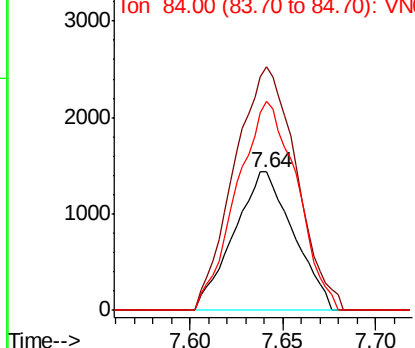
#31
Cyclohexane
Concen: 0.937 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN061068.D
Acq: 17 Apr 2020 22:34

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 3213
Ion Ratio Lower Upper
56 100
69 176.1 25.6 38.4#
84 151.3 63.4 95.2#

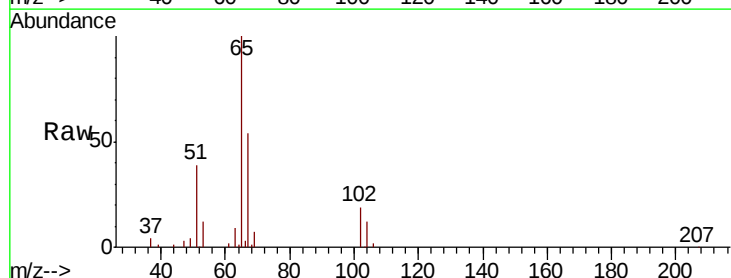


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

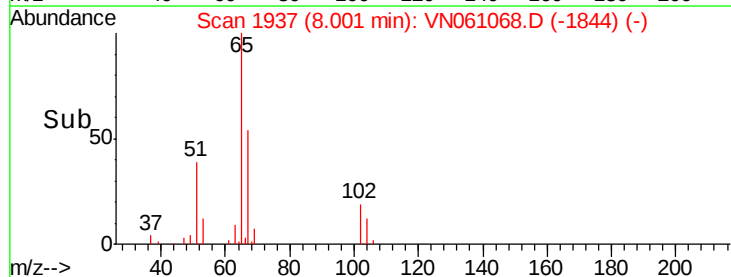
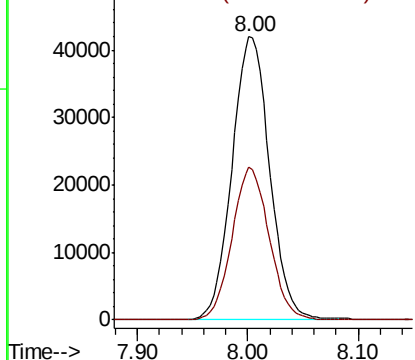


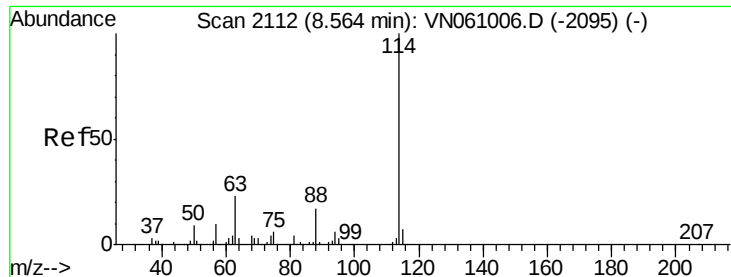
#33
1,2-Dichloroethane-d4
Concen: 53.857 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN061068.D
Acq: 17 Apr 2020 22:34

Tgt Ion: 65 Resp: 99133
Ion Ratio Lower Upper
65 100
67 52.9 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

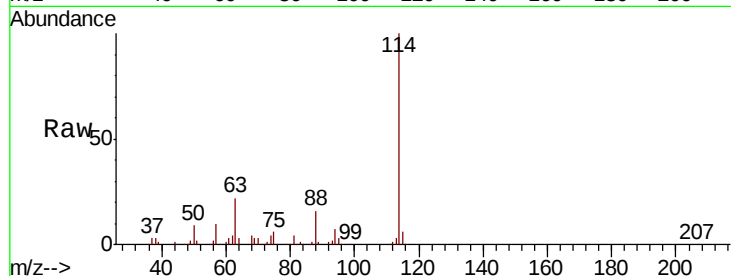




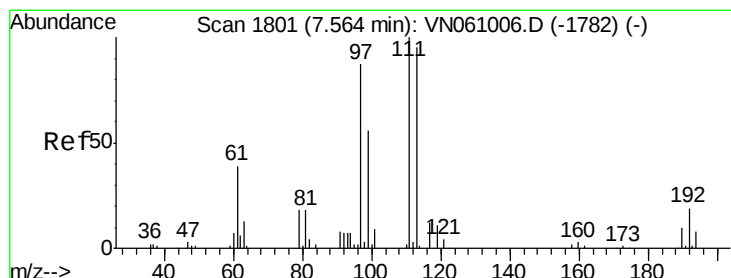
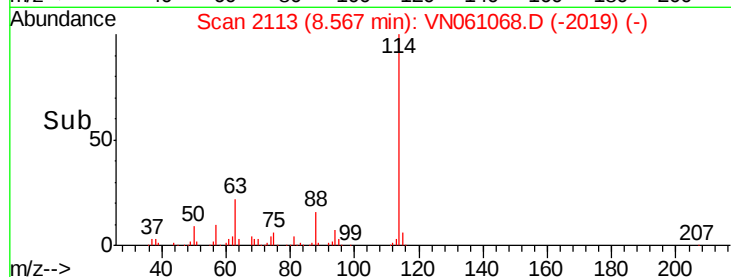
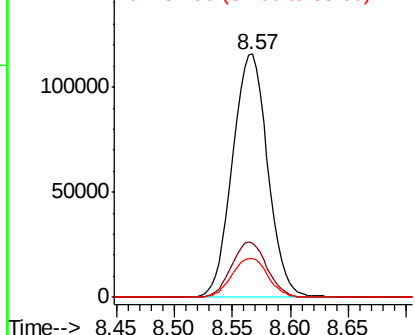
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN061068.D
 Acq: 17 Apr 2020 22:34

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 244850
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 46.2
 88 15.9 0.0 33.4

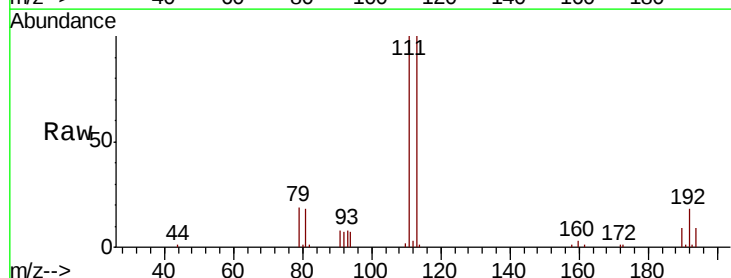


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

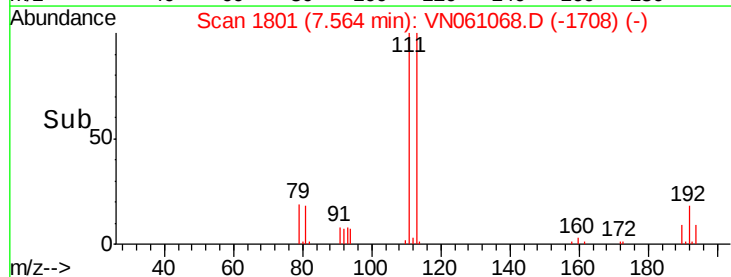
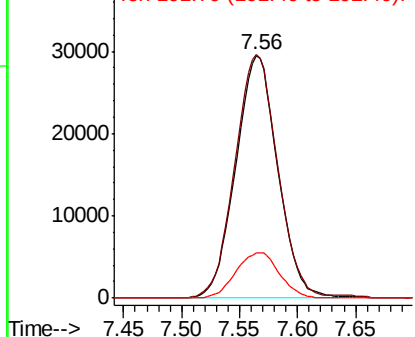


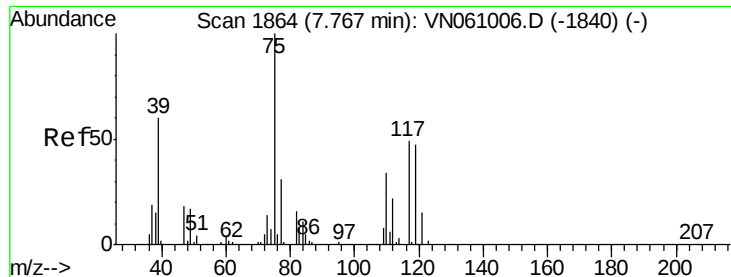
#35
 Dibromofluoromethane
 Concen: 51.735 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN061068.D
 Acq: 17 Apr 2020 22:34

Tgt Ion:113 Resp: 73975
 Ion Ratio Lower Upper
 113 100
 111 102.3 83.4 125.2
 192 19.5 15.5 23.3



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

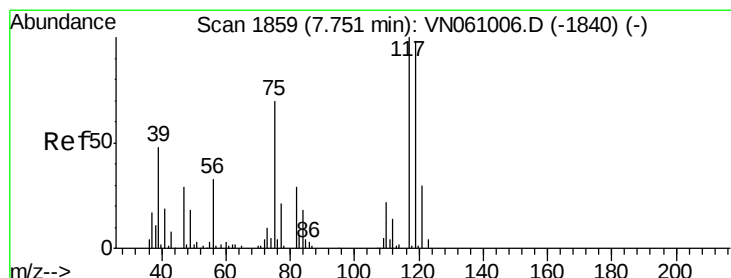
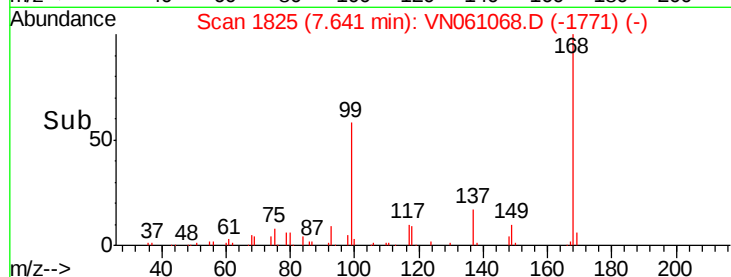
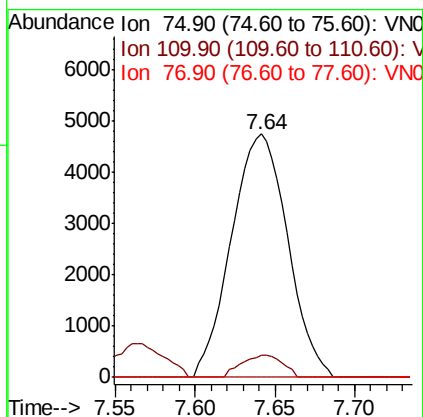
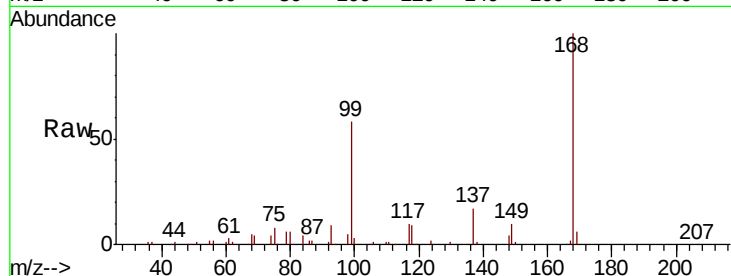




#36
 1,1-Dichloropropene
 Concen: 4.516 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN061068.D
 Acq: 17 Apr 2020 22:34

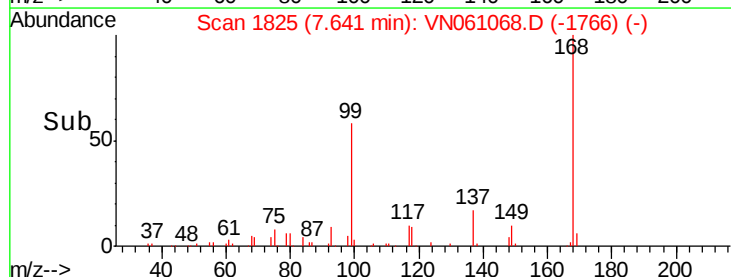
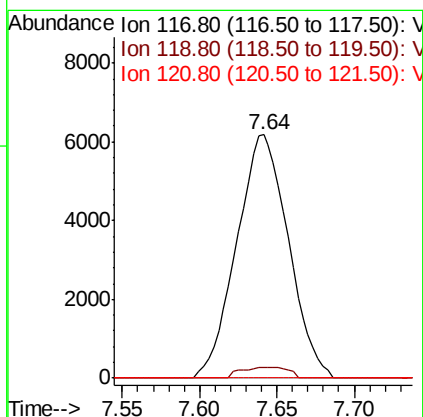
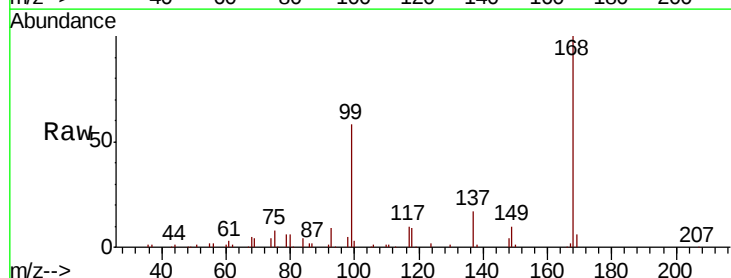
Instrument :
 MSVOA_N
 ClientSampled :

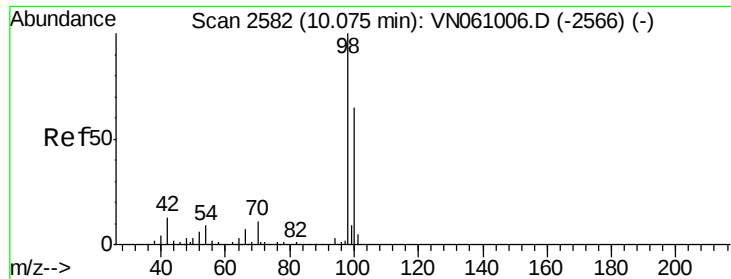
Tot Ion	Ratio	Lower	Upper
75	100		
110	6.7	16.8	50.3#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.821 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN061068.D
 Acq: 17 Apr 2020 22:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.3	78.1	117.1#
121	0.0	24.0	36.0#

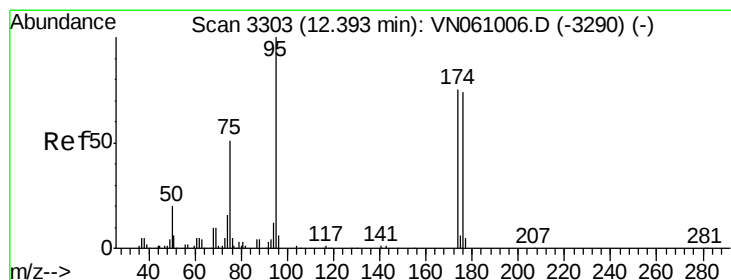
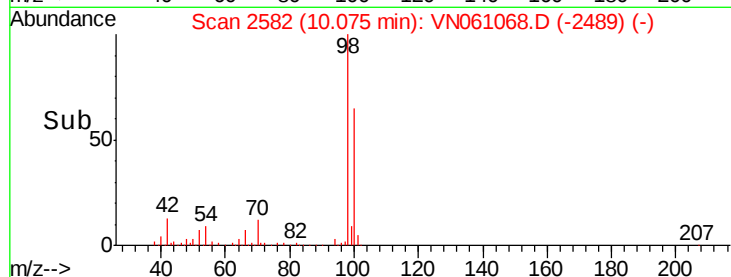
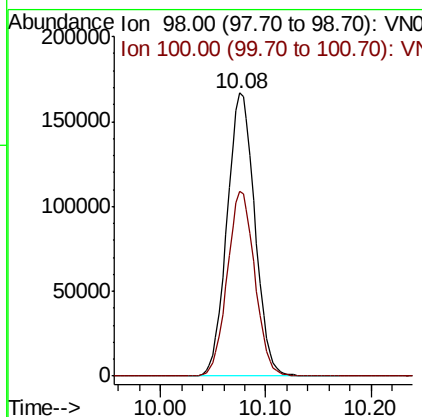
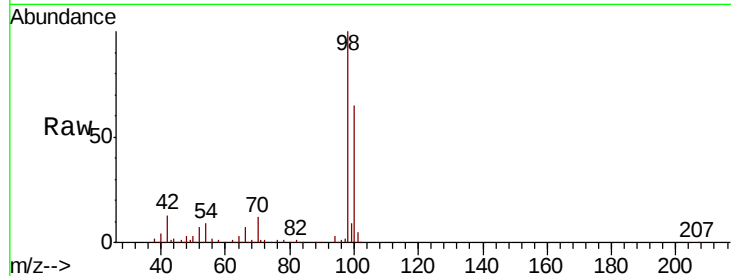




#50
Toluene-d8
Concen: 56.226 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN061068.D
Acq: 17 Apr 2020 22:34

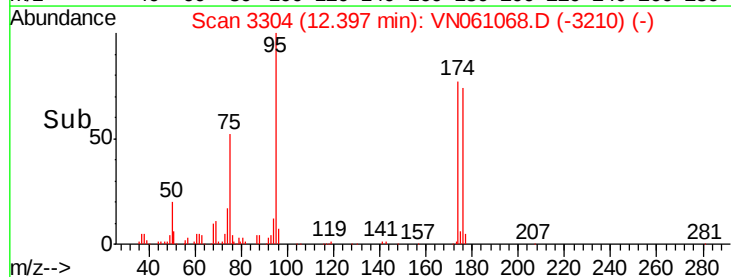
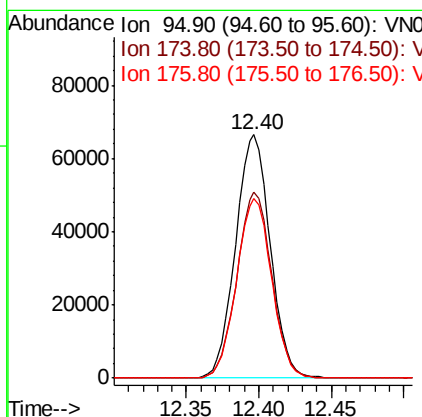
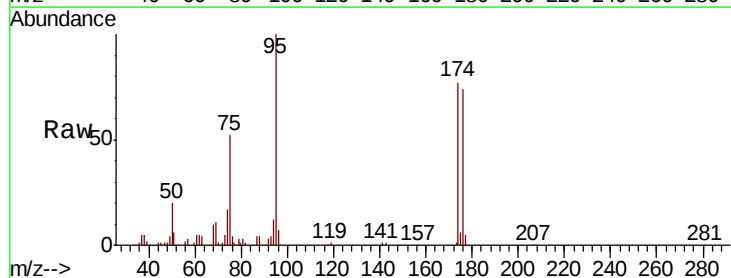
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MSVOA_N
ClientSampleId :

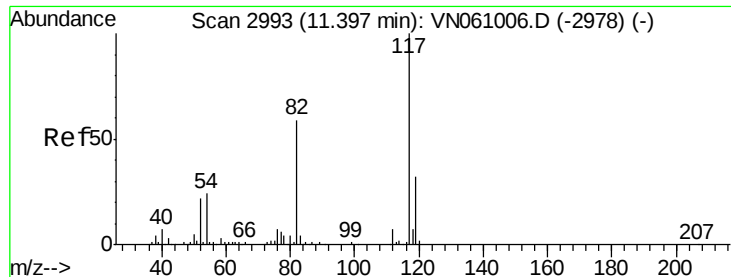
Tot Ion: 98 Resp: 303804
Ion Ratio Lower Upper
98 100
100 64.7 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 52.239 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN061068.D
Acq: 17 Apr 2020 22:34

Tgt Ion: 95 Resp: 110627
Ion Ratio Lower Upper
95 100
174 76.7 0.0 151.2
176 74.6 0.0 148.2

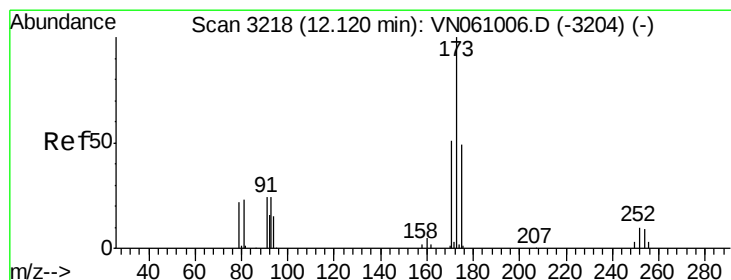
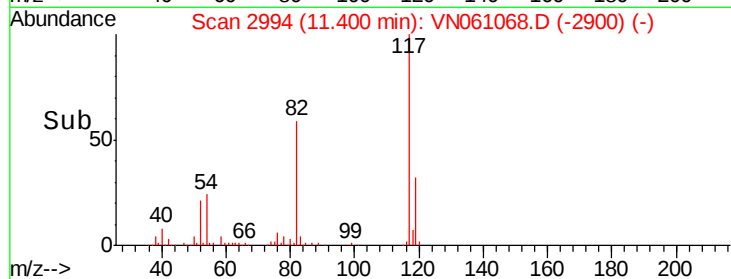
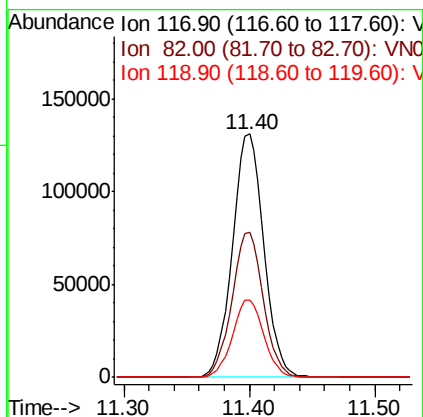
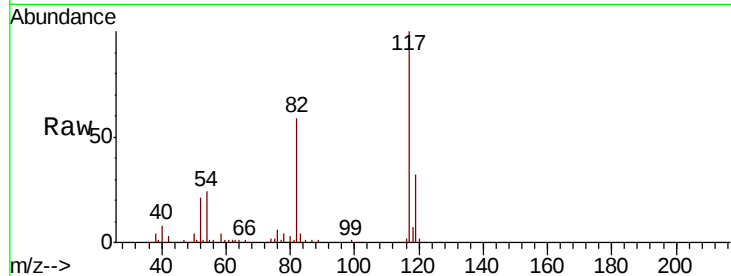




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN061068.D
Acq: 17 Apr 2020 22:34

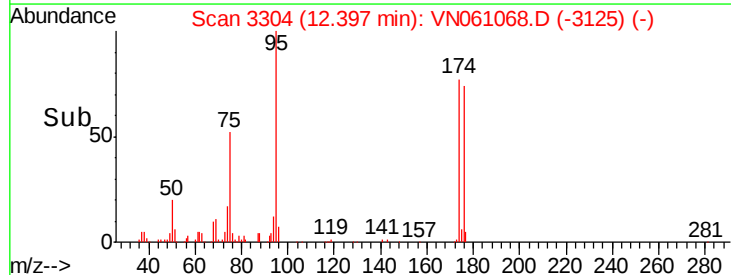
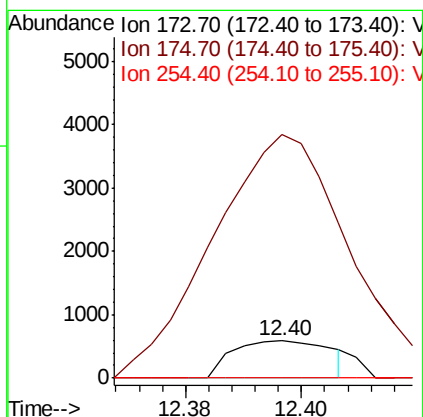
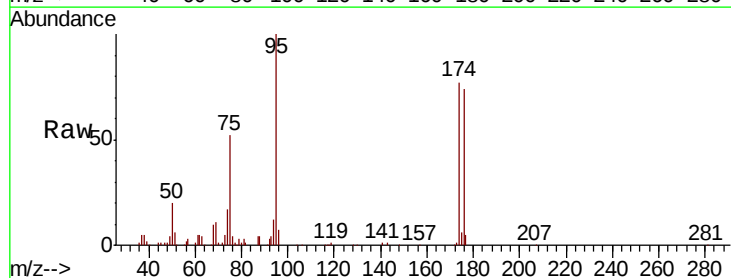
Instrument :
MSVOA_N
ClientSampleId :

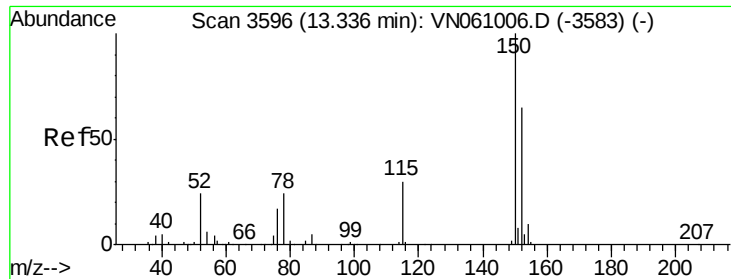
Tot Ion:117 Resp: 227291
Ion Ratio Lower Upper
117 100
82 59.3 47.1 70.7
119 31.8 25.7 38.5



#71
Bromoform
Concen: 0.551 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.28 min
Lab File: VN061068.D
Acq: 17 Apr 2020 22:34

Tgt Ion:173 Resp: 691
Ion Ratio Lower Upper
173 100
175 774.1 24.5 73.5#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN061068.D

Acq: 17 Apr 2020 22:34

Instrument :

MSVOA_N

ClientSampleId :

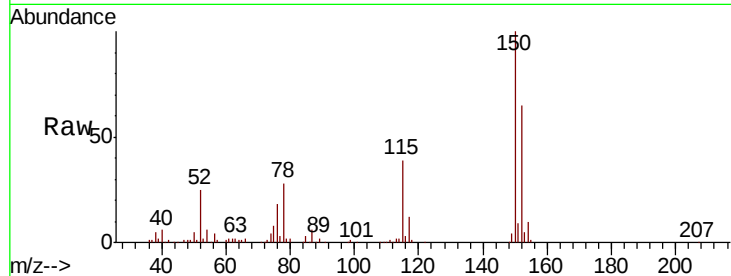
Tot Ion:152 Resp: 98934

Ion Ratio Lower Upper

152 100

115 61.0 30.8 92.4

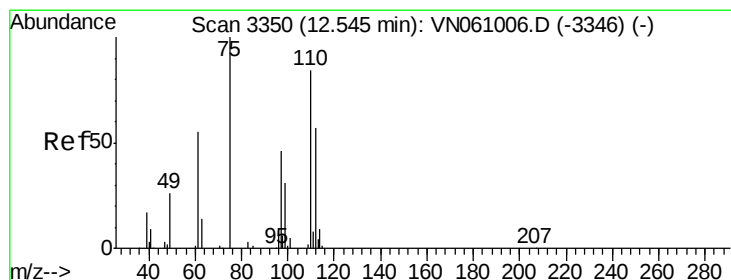
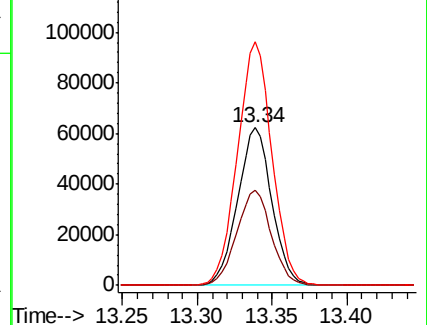
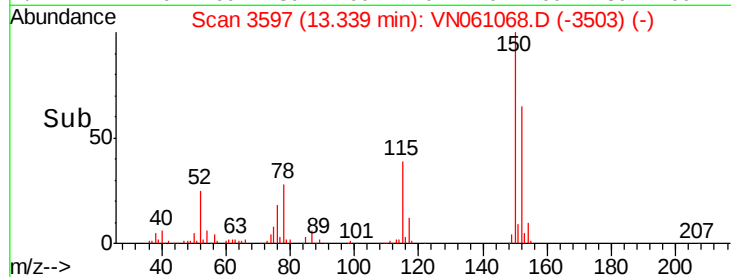
150 156.1 0.0 349.0



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: 26.152 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN061068.D

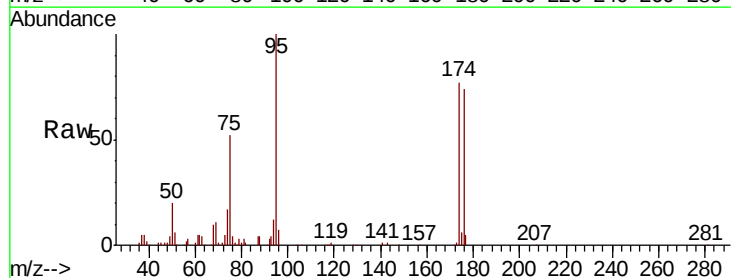
Acq: 17 Apr 2020 22:34

Tgt Ion: 75 Resp: 56911

Ion Ratio Lower Upper

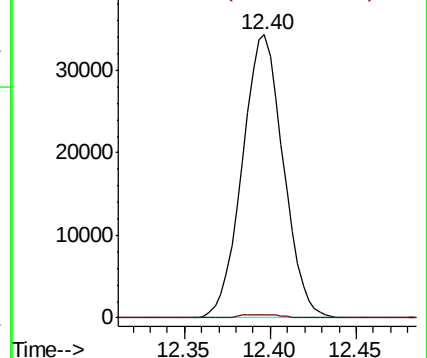
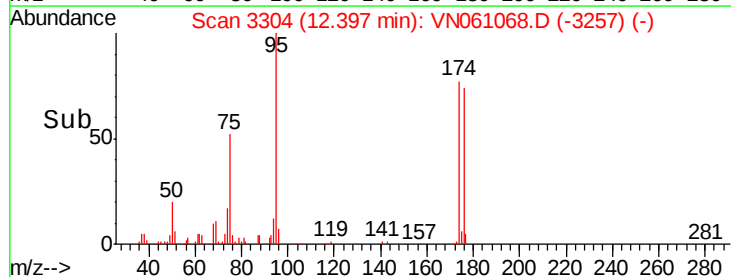
75 100

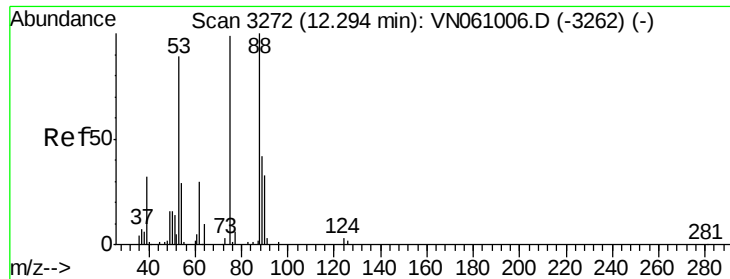
77 1.1 0.0 0.0#



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: 64.507 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN061068.D

Acq: 17 Apr 2020 22:34

Instrument :

MSVOA_N

ClientSampleId :

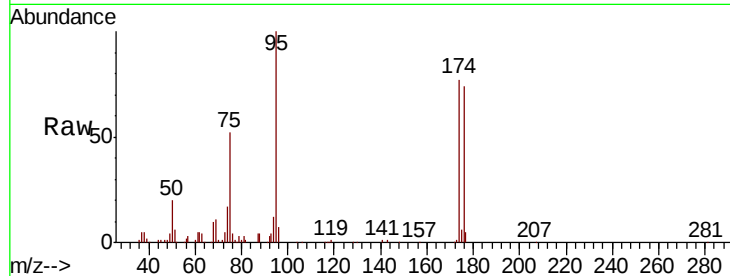
Tot Ion: 75 Resp: 56911

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

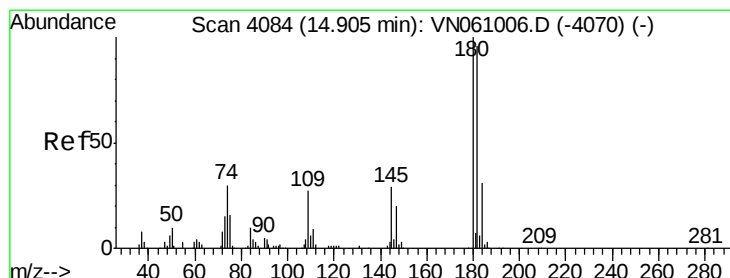
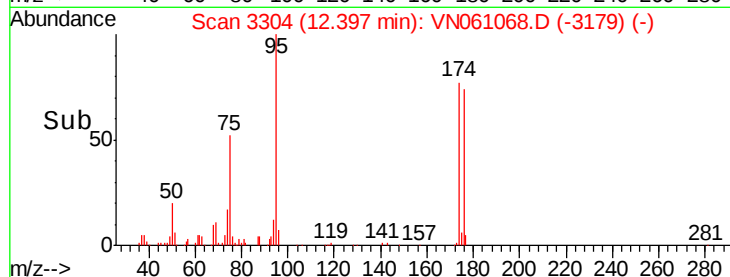
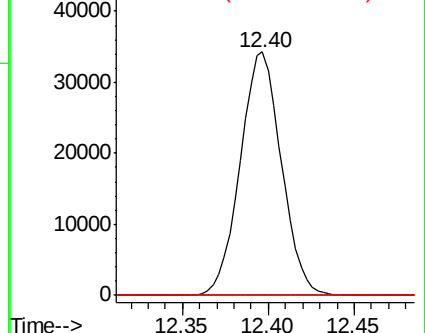
89 0.0 34.6 52.0#



Abundance Ion 74.90 (74.60 to 75.60): VN061006.D (-3262) (-)

Ion 53.00 (52.70 to 53.70): VN061006.D (-3262) (-)

Ion 88.90 (88.60 to 89.60): VN061006.D (-3262) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.279 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. -0.00 min

Lab File: VN061068.D

Acq: 17 Apr 2020 22:34

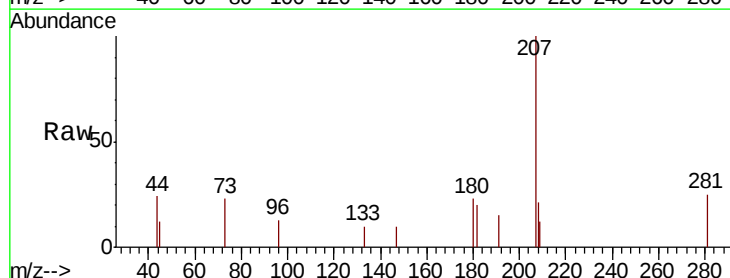
Tgt Ion: 180 Resp: 520

Ion Ratio Lower Upper

180 100

182 82.9 47.8 143.3

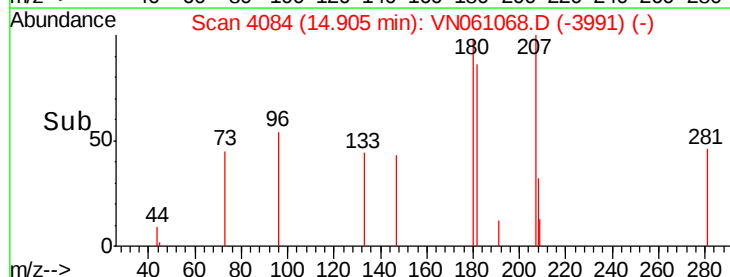
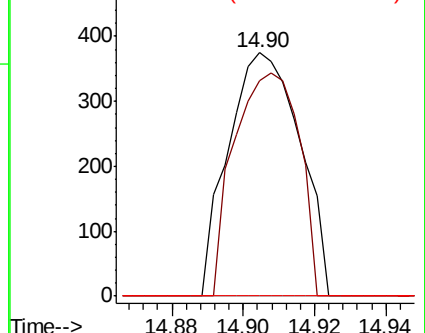
145 0.0 15.3 45.8#

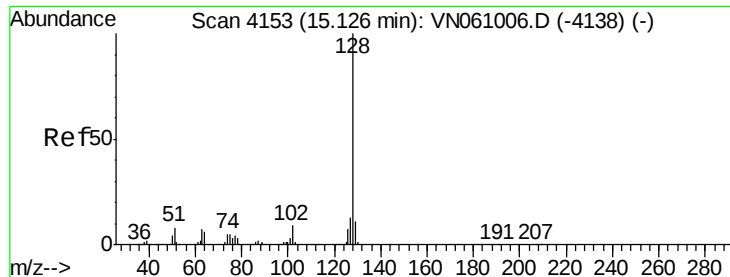


Abundance Ion 179.80 (179.50 to 180.50): VN061006.D (-4070) (-)

Ion 181.80 (181.50 to 182.50): VN061006.D (-4070) (-)

Ion 144.80 (144.50 to 145.50): VN061006.D (-4070) (-)

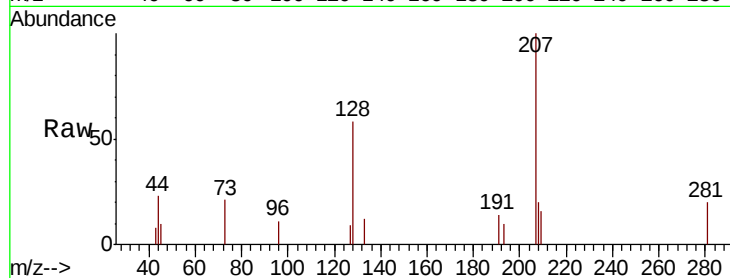




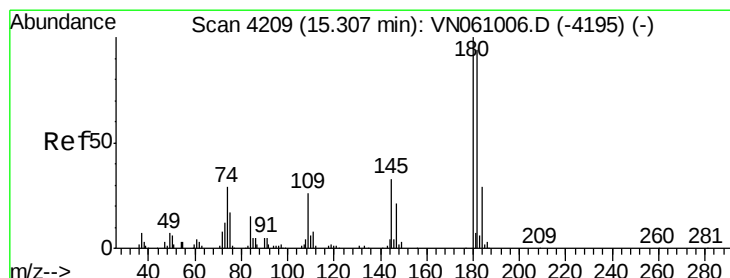
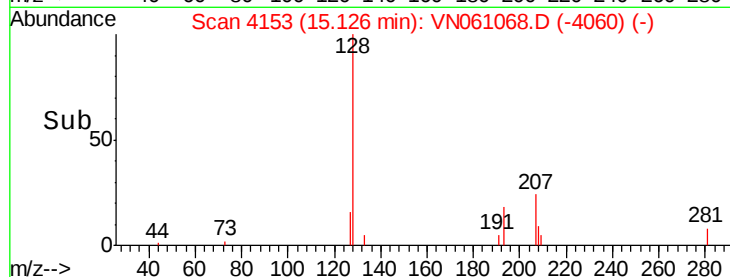
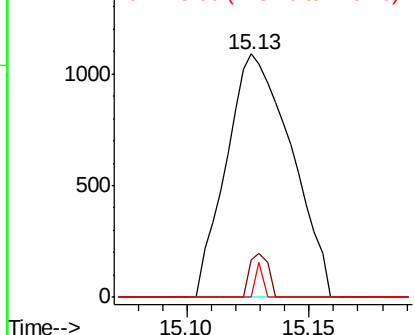
#95
Naphthalene
Concen: 0.370 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN061068.D
Acq: 17 Apr 2020 22:34

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 2008
Ion Ratio Lower Upper
128 100
127 5.0 10.2 15.4#
129 1.5 8.6 13.0#

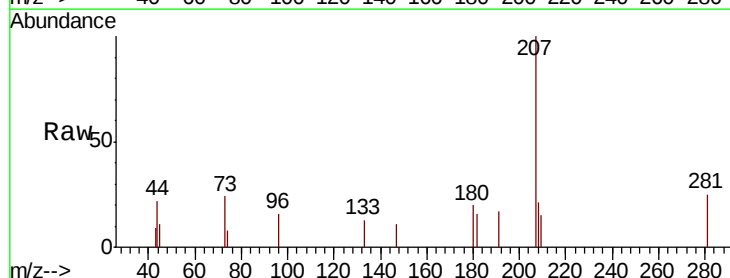


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 0.343 ug/l
RT: 15.31 min Scan# 4209
Delta R.T. -0.00 min
Lab File: VN061068.D
Acq: 17 Apr 2020 22:34

Tgt Ion:180 Resp: 615
Ion Ratio Lower Upper
180 100
182 77.9 47.6 142.8
145 0.0 16.4 49.2#



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

