

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041720\
 Data File : VN061062.D
 Acq On : 17 Apr 2020 19:33
 Operator : JC/MD
 Sample : L2123-11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 20 01:34:18 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	140667	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	240197	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	227137	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	100980	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	98287	54.61	ug/l	0.00
Spiked Amount			Recovery	=	109.22%	
35) Dibromofluoromethane	7.56	113	72098	51.40	ug/l	0.00
Spiked Amount			Recovery	=	102.80%	
50) Toluene-d8	10.08	98	298513	56.32	ug/l	0.00
Spiked Amount			Recovery	=	112.64%	
62) 4-Bromofluorobenzene	12.39	95	109854	52.88	ug/l	0.00
Spiked Amount			Recovery	=	105.76%	

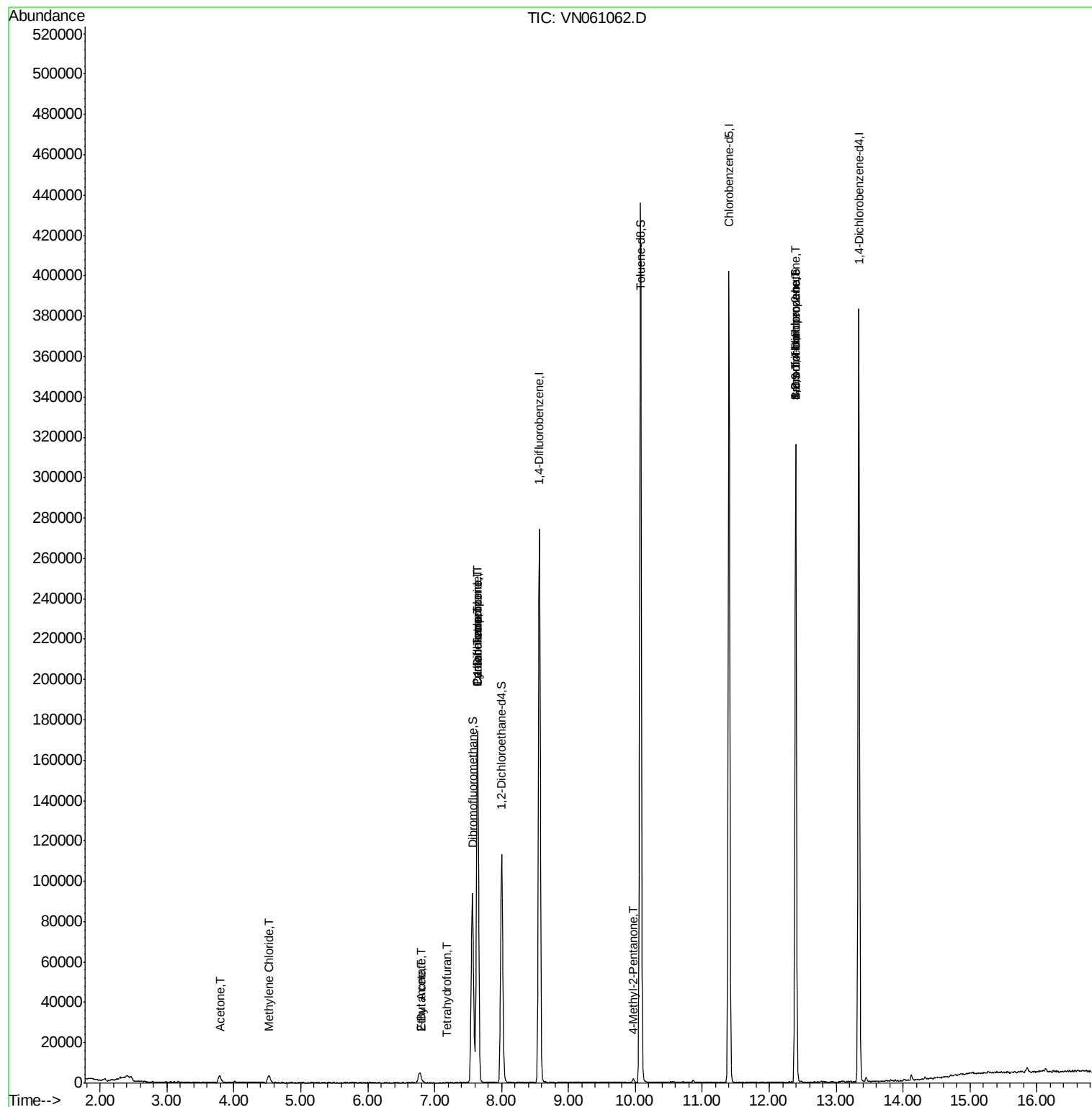
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	7183	9.068	ug/l	90
20) Methylene Chloride	4.52	84	1301	0.752	ug/l	96
25) 2-Butanone	6.81	43	969	0.798	ug/l #	51
29) Tetrahydrofuran	7.19	42	171	0.208	ug/l #	36
31) Cyclohexane	7.64	56	3235	0.965	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	11552	4.661	ug/l #	49
37) Ethyl Acetate	6.81	43	969	0.360	ug/l #	69
38) Carbon Tetrachloride	7.64	117	13872	6.724	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	1499	0.594	ug/l #	86
71) Bromoform	12.40	173	432	0.345	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	56279	25.338	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	56279	62.498	ug/l #	12

(#) = 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# 1825

Delta R.T. 0.00 min

Lab File: VN061062.D

Acq: 17 Apr 2020 19:33

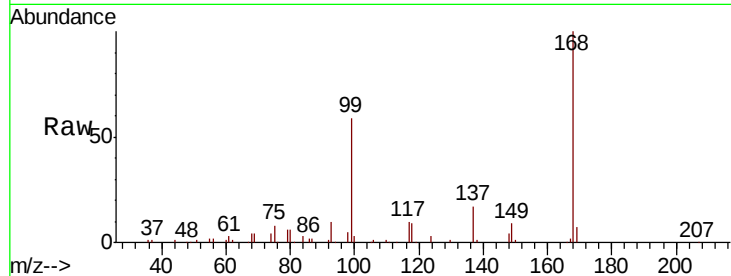
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 140667

Ion Ratio Lower Upper

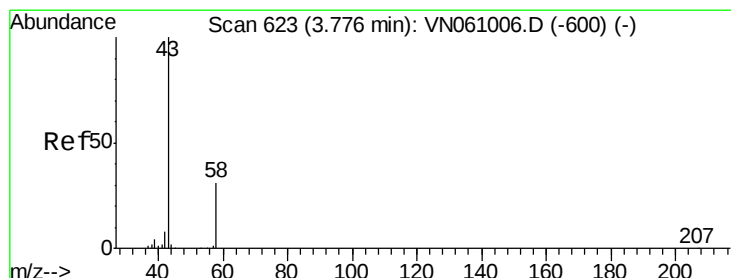
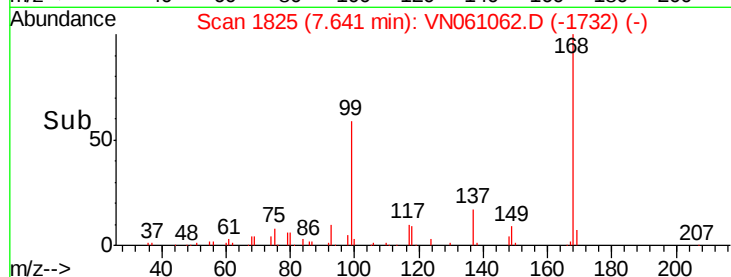
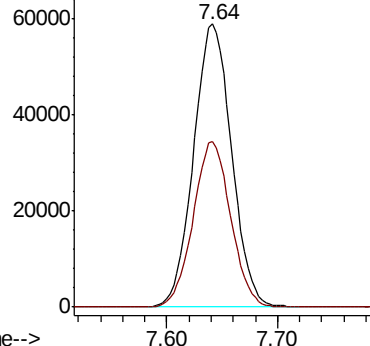
168 100

99 58.7 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 9.068 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN061062.D

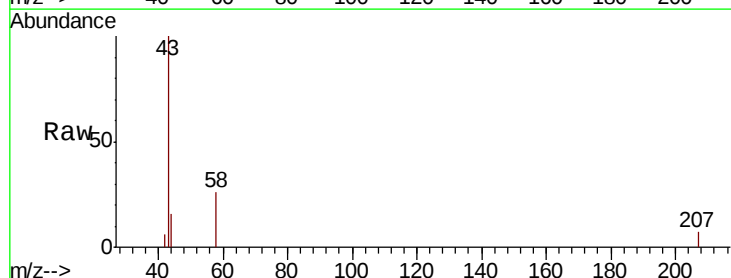
Acq: 17 Apr 2020 19:33

Tgt Ion: 43 Resp: 7183

Ion Ratio Lower Upper

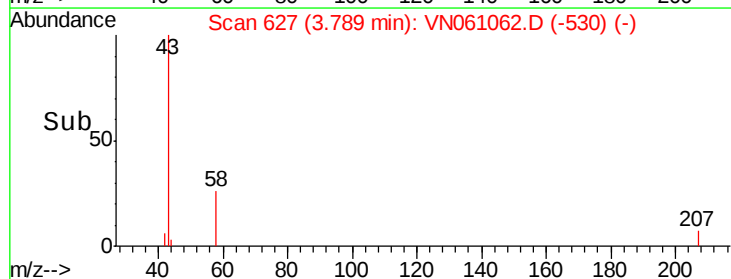
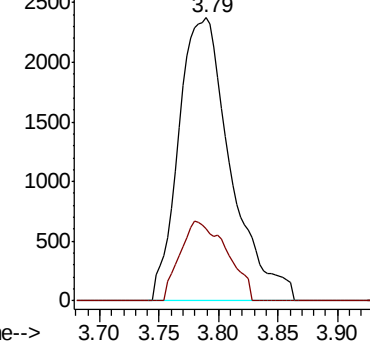
43 100

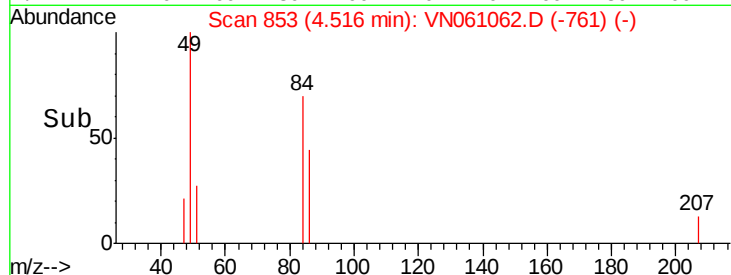
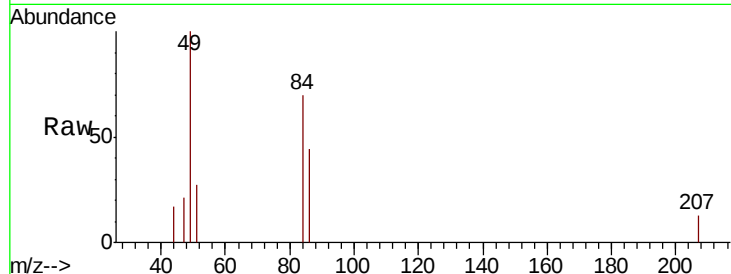
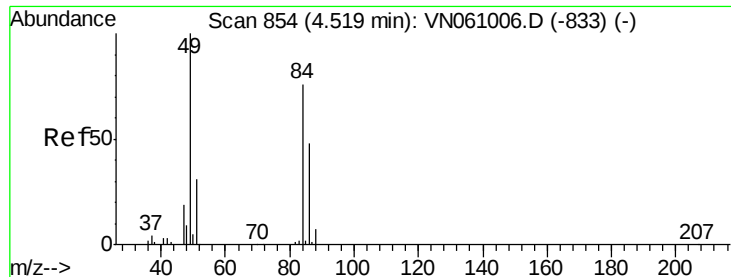
58 25.6 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

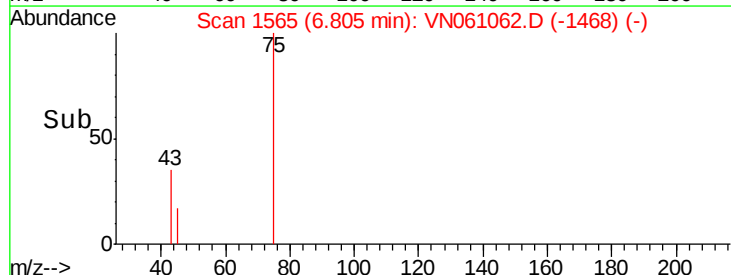
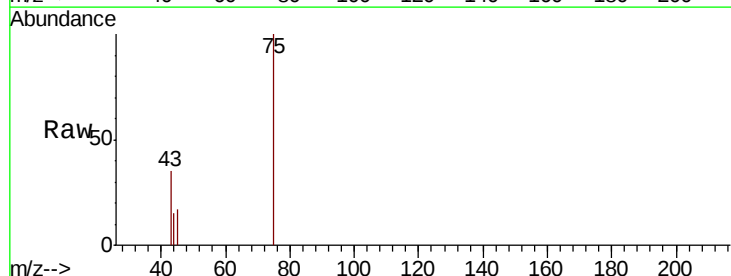
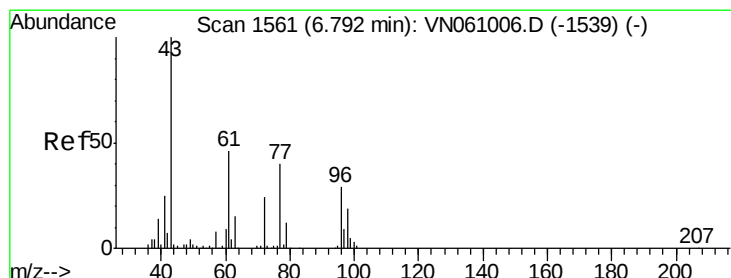
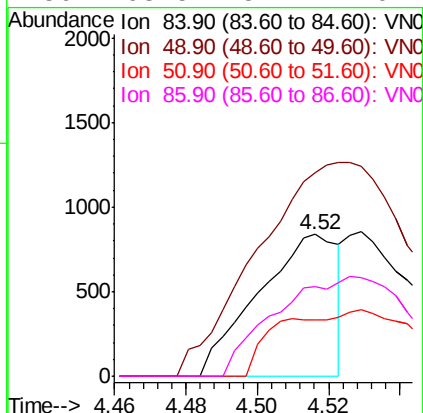




#20
Methylene Chloride
Concen: 0.752 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.00 min
Lab File: VN061062.D
Acq: 17 Apr 2020 19:33

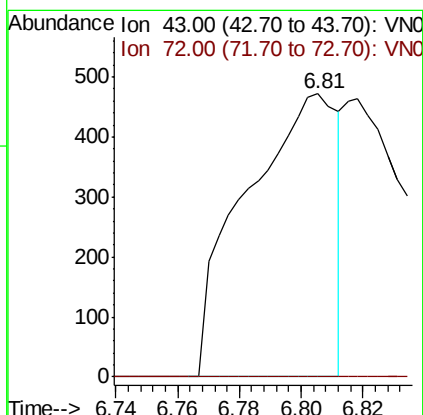
Instrument :
MSVOA_N
ClientSampled :

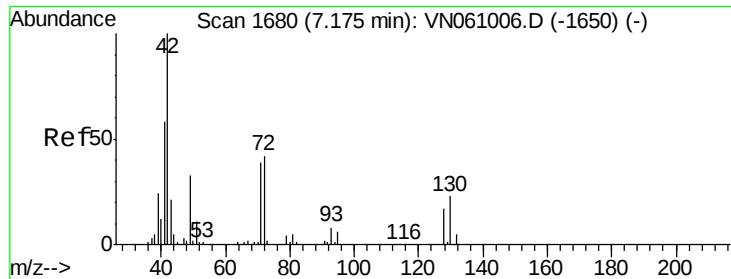
Tot Ion:	84	Resp:	1301
Ion	Ratio	Lower	Upper
84	100		
49	124.9	105.8	158.6
51	39.3	32.4	48.6
86	63.5	51.1	76.7



#25
2-Butanone
Concen: 0.798 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. 0.01 min
Lab File: VN061062.D
Acq: 17 Apr 2020 19:33

Tgt Ion:	43	Resp:	969
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.6	29.4#

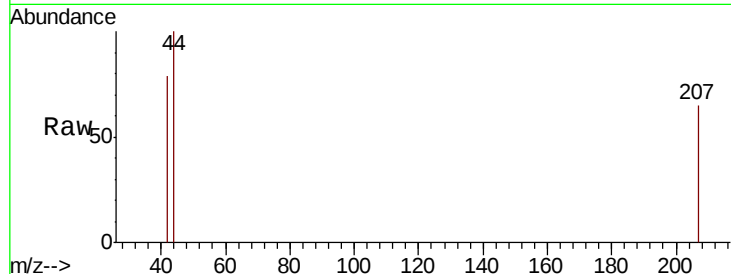




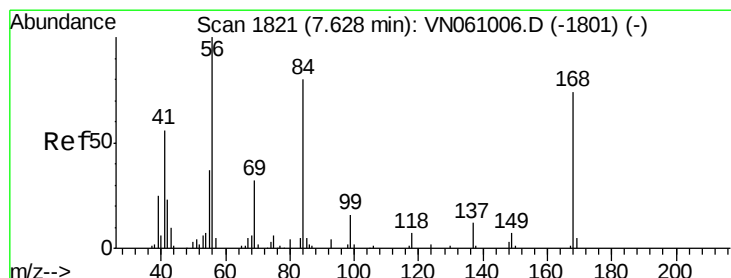
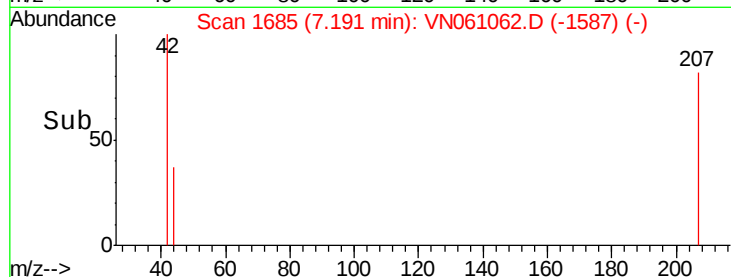
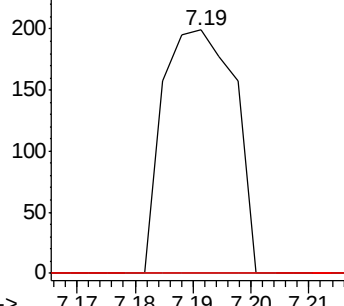
#29
Tetrahydrofuran
Concen: 0.208 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.02 min
Lab File: VN061062.D
Acq: 17 Apr 2020 19:33

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 171
Ion Ratio Lower Upper
42 100
72 0.0 32.1 48.1#
71 0.0 30.5 45.7#

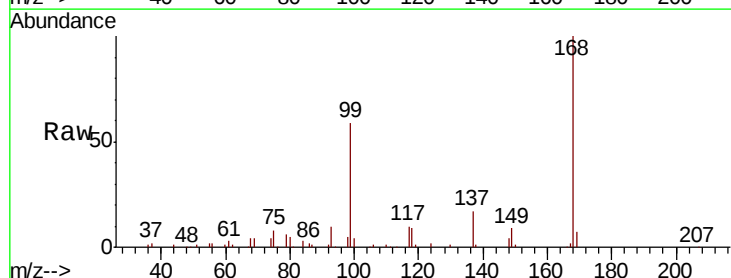


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

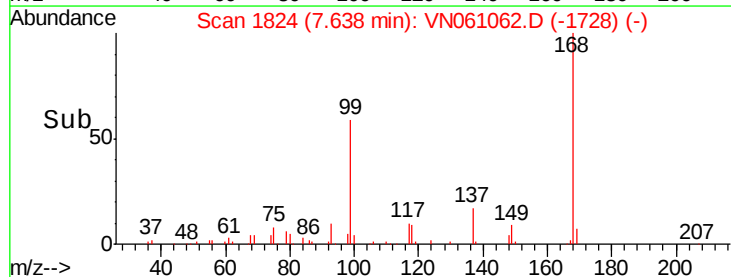
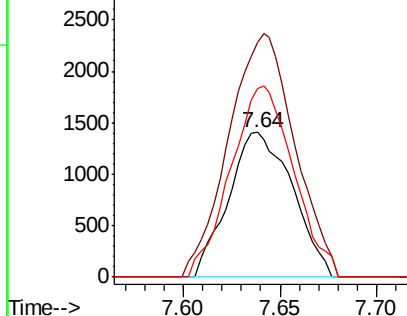


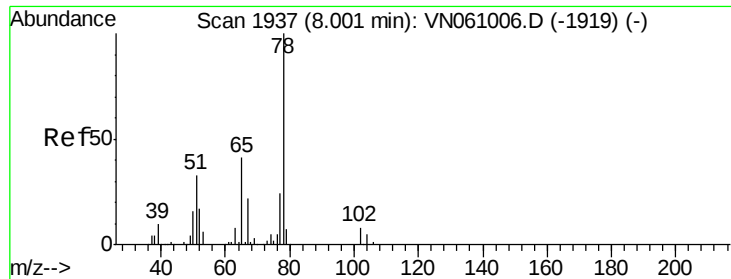
#31
Cyclohexane
Concen: 0.965 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VN061062.D
Acq: 17 Apr 2020 19:33

Tgt Ion: 56 Resp: 3235
Ion Ratio Lower Upper
56 100
69 161.8 25.6 38.4#
84 130.3 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

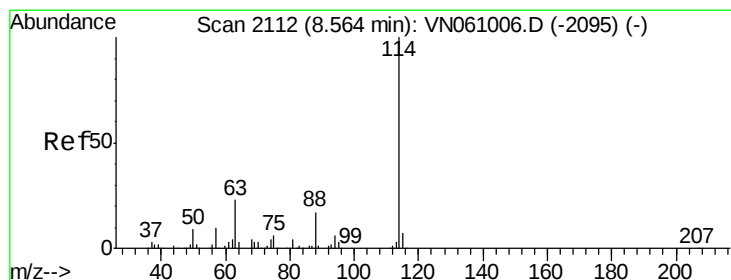
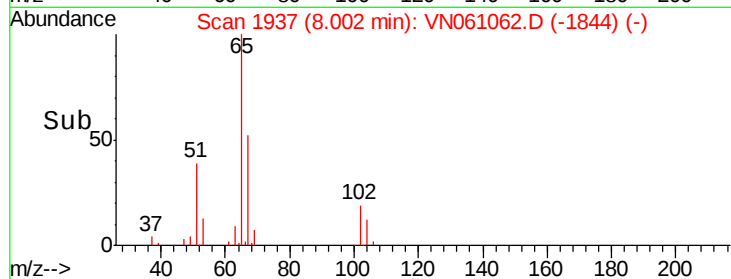
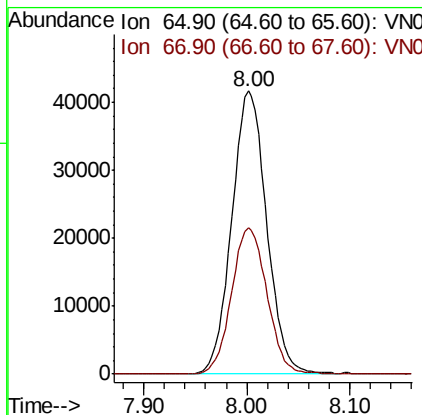
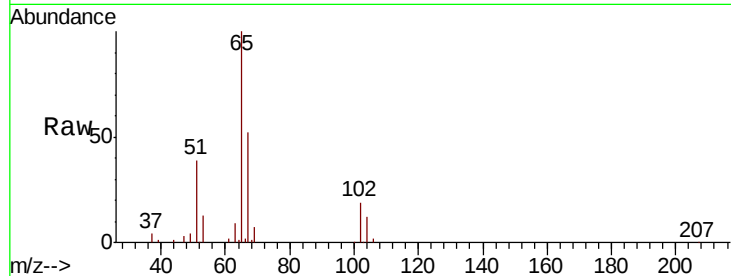




#33
 1,2-Dichloroethane-d4
 Concen: 54.612 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VN061062.D
 Acq: 17 Apr 2020 19:33

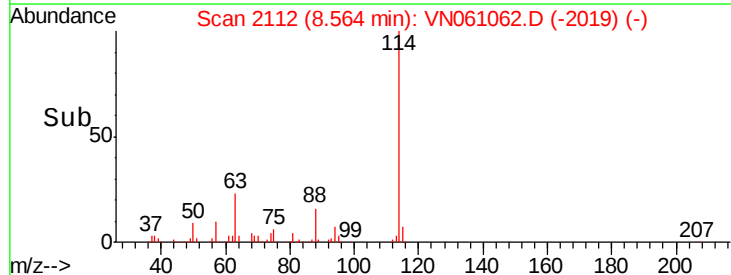
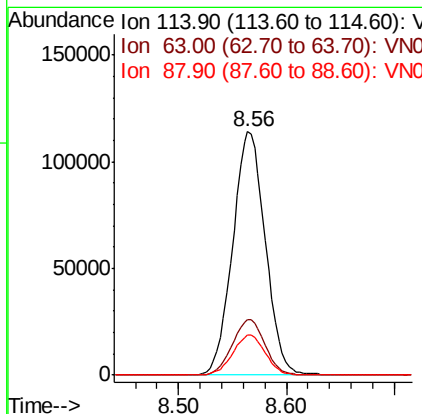
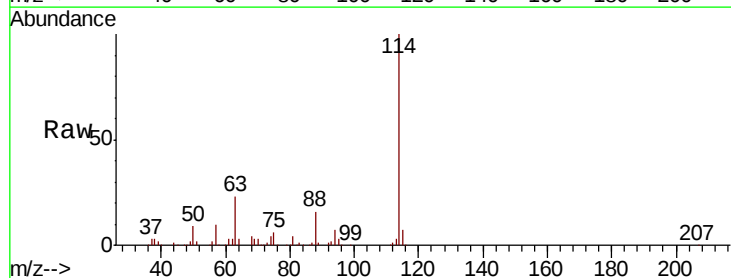
Instrument :
 MSVOA_N
 ClientSampleId :

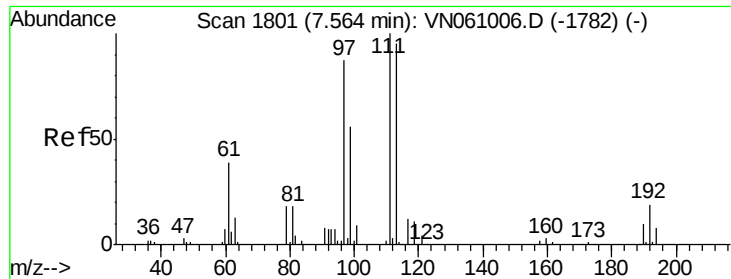
Tot Ion: 65 Resp: 98287
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VN061062.D
 Acq: 17 Apr 2020 19:33

Tgt Ion: 114 Resp: 240197
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 46.2
 88 16.4 0.0 33.4





#35

Dibromofluoromethane

Concen: 51.399 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN061062.D

Acq: 17 Apr 2020 19:33

Instrument :
MSVOA_N
ClientSampleId :

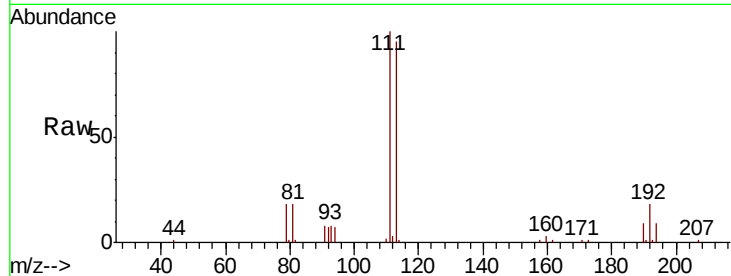
Tot Ion:113 Resp: 72098

Ion Ratio Lower Upper

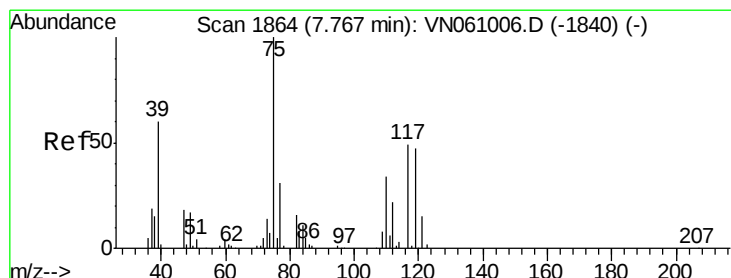
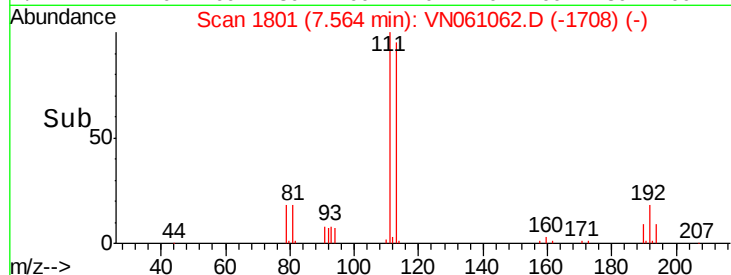
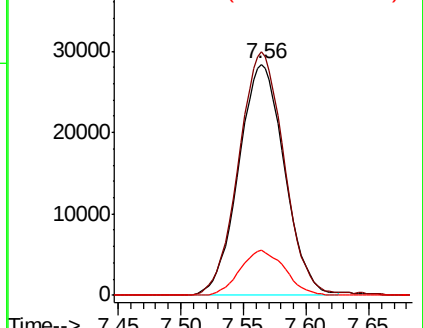
113 100

111 104.7 83.4 125.2

192 19.1 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: 4.661 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.13 min

Lab File: VN061062.D

Acq: 17 Apr 2020 19:33

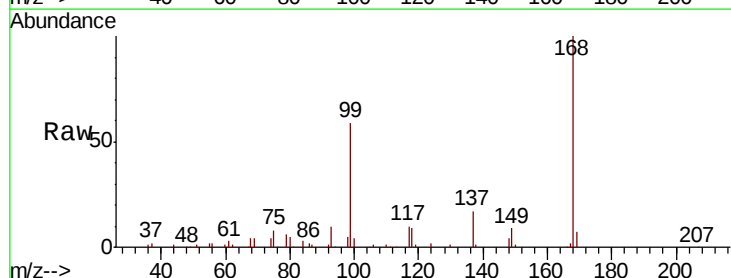
Tgt Ion: 75 Resp: 11552

Ion Ratio Lower Upper

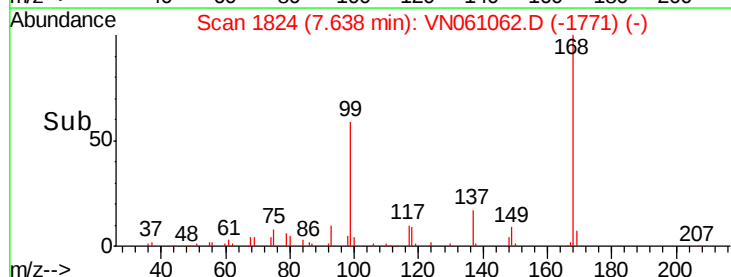
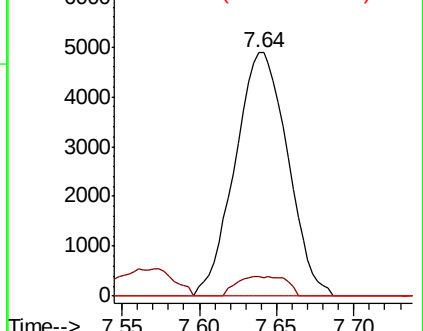
75 100

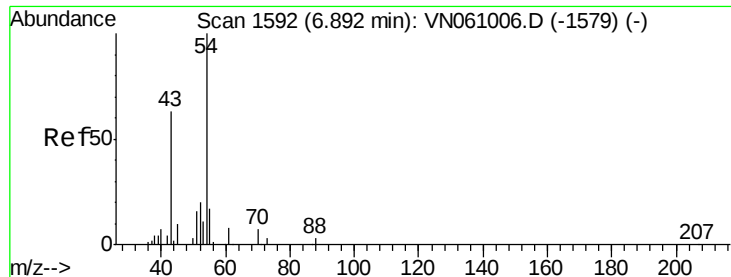
110 7.5 16.8 50.3#

77 0.0 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

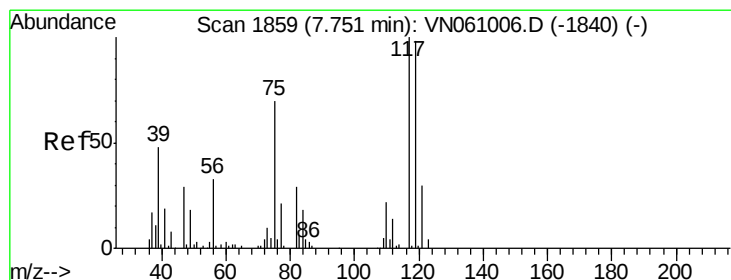
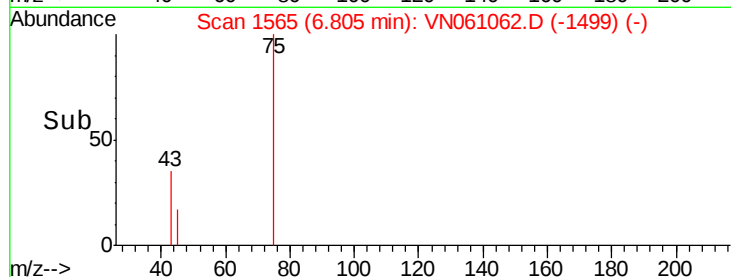
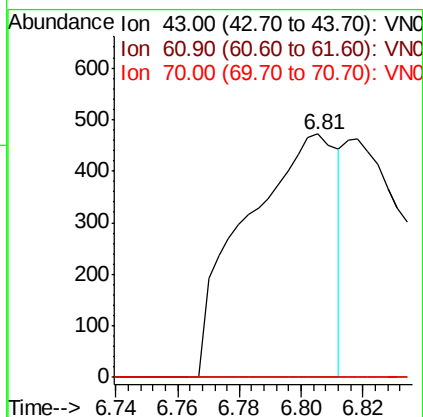
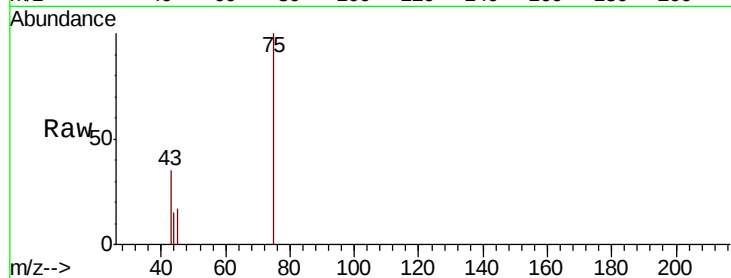




#37
Ethyl Acetate
Concen: 0.360 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. -0.09 min
Lab File: VN061062.D
Acq: 17 Apr 2020 19:33

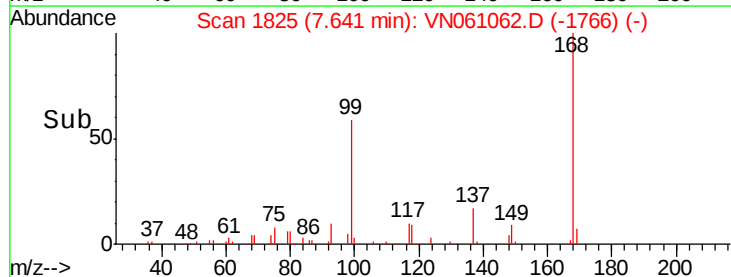
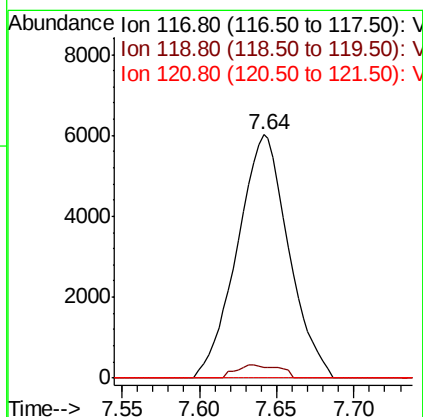
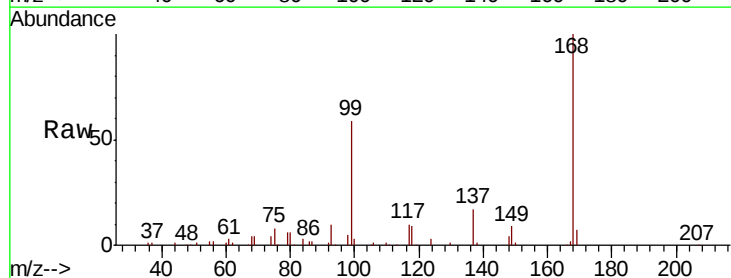
Instrument :
MSVOA_N
ClientSampleId :

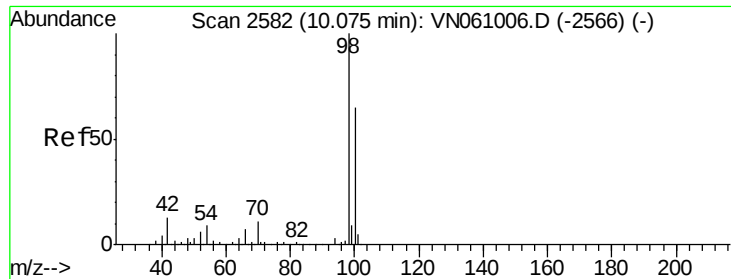
Tot Ion: 43 Resp: 969
Ion Ratio Lower Upper
43 100
61 0.0 10.9 16.3#
70 0.0 7.7 11.5#



#38
Carbon Tetrachloride
Concen: 6.724 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN061062.D
Acq: 17 Apr 2020 19:33

Tgt Ion: 117 Resp: 13872
Ion Ratio Lower Upper
117 100
119 4.3 78.1 117.1#
121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 56.317 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. 0.00 min

Lab File: VN061062.D

Acq: 17 Apr 2020 19:33

Instrument :

MSVOA_N

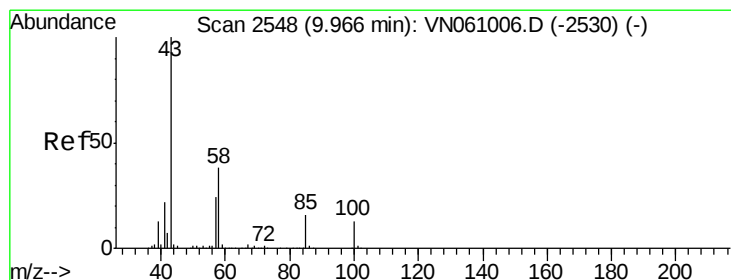
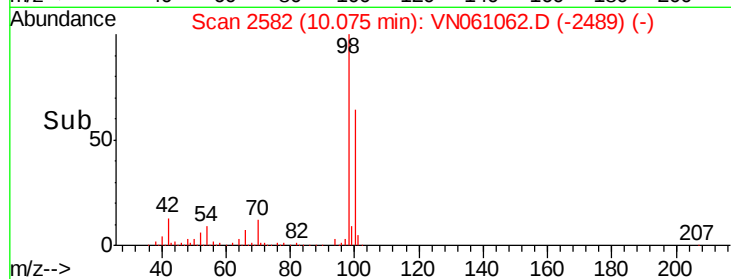
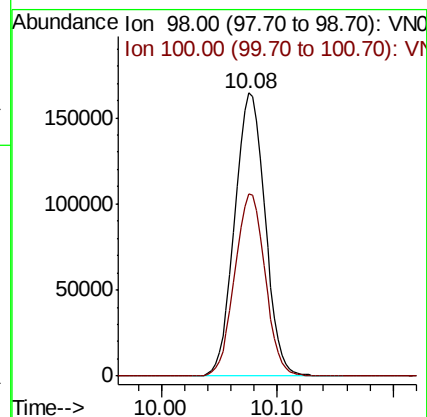
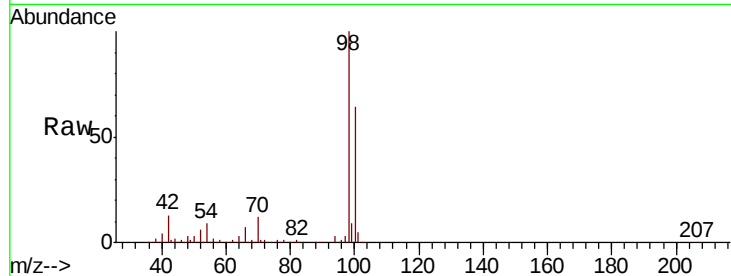
ClientSampled :

Tot Ion: 98 Resp: 298513

Ion Ratio Lower Upper

98 100

100 64.3 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 0.594 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN061062.D

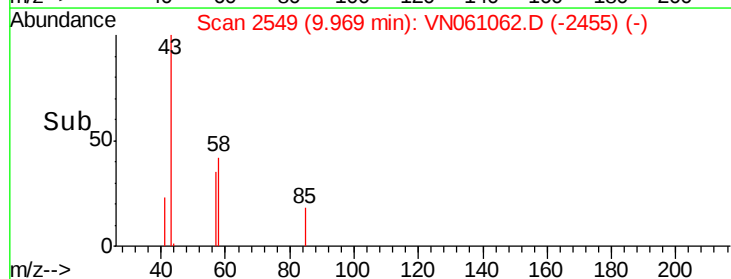
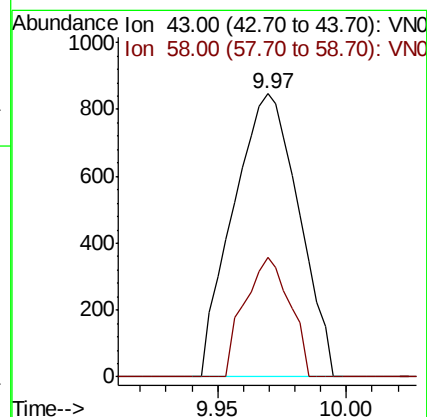
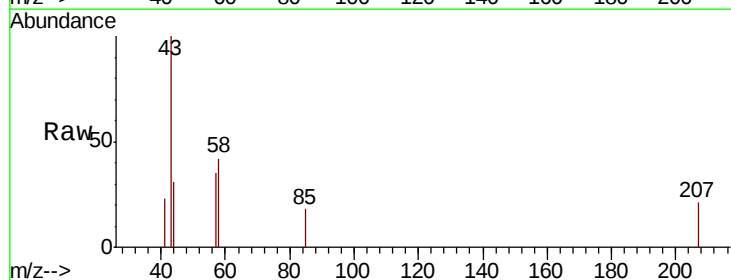
Acq: 17 Apr 2020 19:33

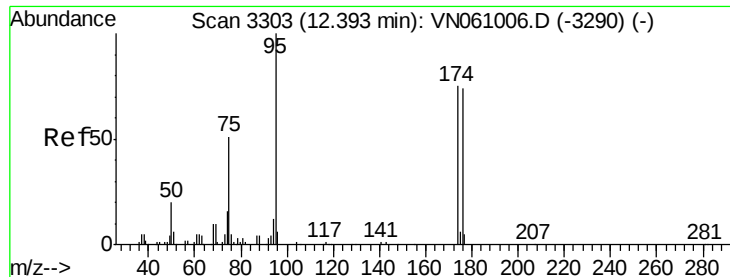
Tgt Ion: 43 Resp: 1499

Ion Ratio Lower Upper

43 100

58 29.2 30.3 45.5#

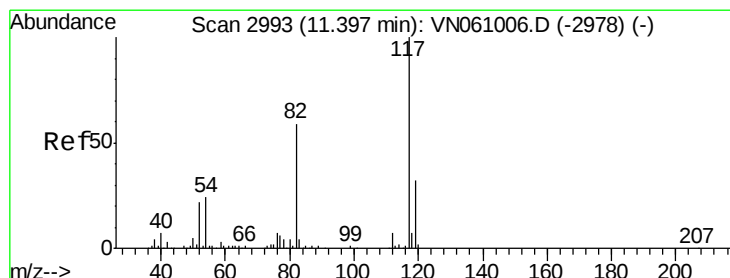
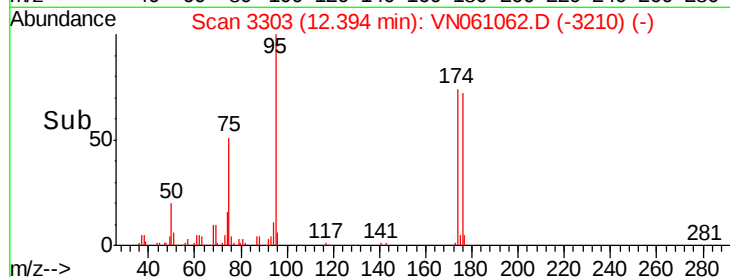
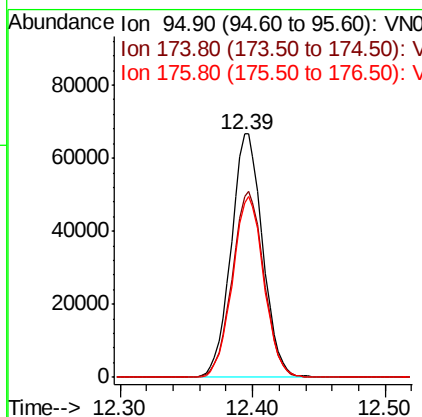
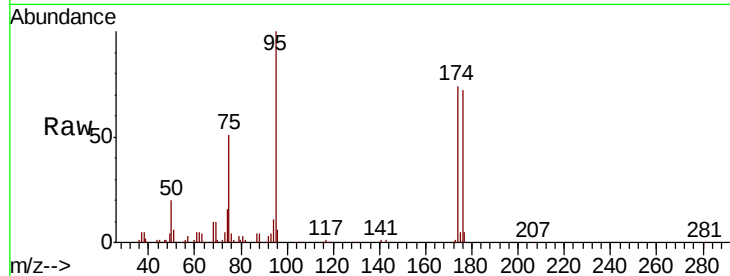




#62
4-Bromofluorobenzene
Concen: 52.879 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. 0.00 min
Lab File: VN061062.D
Acq: 17 Apr 2020 19:33

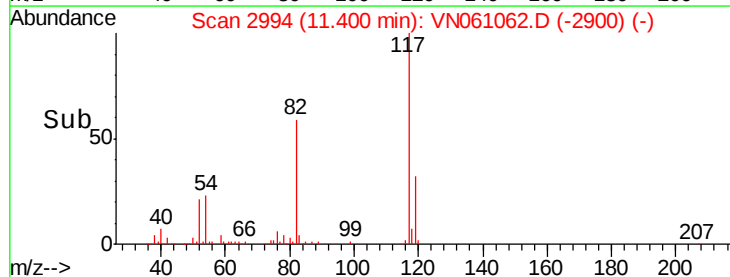
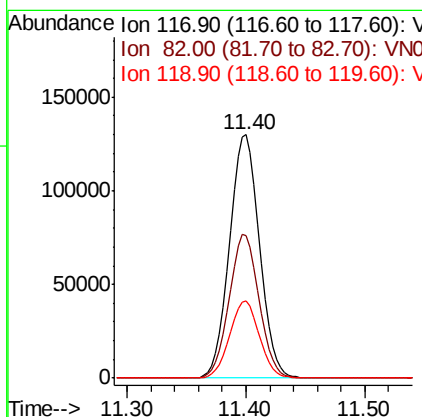
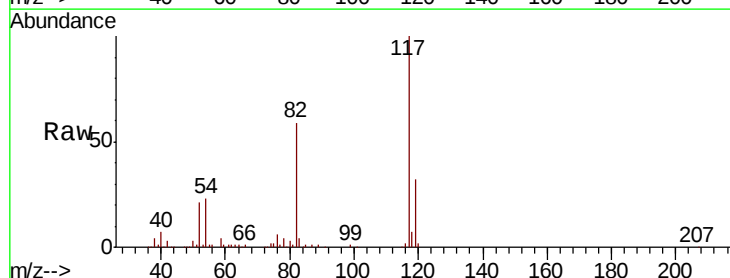
Instrument :
MSVOA_N
ClientSampleId :

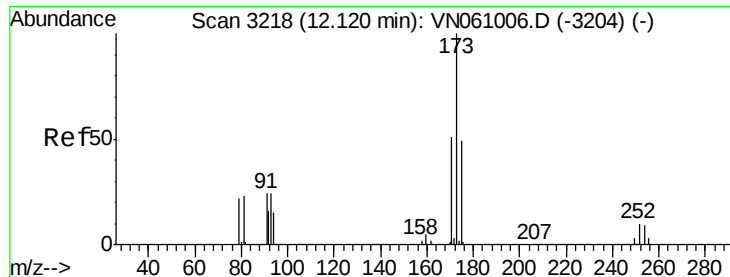
Tot Ion: 95 Resp: 109854
Ion Ratio Lower Upper
95 100
174 77.0 0.0 151.2
176 74.1 0.0 148.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN061062.D
Acq: 17 Apr 2020 19:33

Tgt Ion: 117 Resp: 227137
Ion Ratio Lower Upper
117 100
82 58.7 47.1 70.7
119 31.6 25.7 38.5





#71

Bromoform

Concen: 0.345 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.28 min

Lab File: VN061062.D

Acq: 17 Apr 2020 19:33

Instrument :

MSVOA_N

ClientSampled :

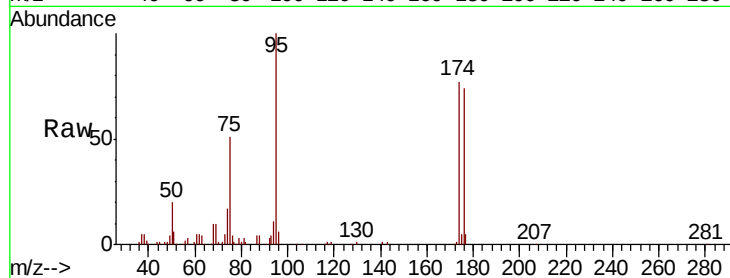
Tot Ion:173 Resp: 432

Ion Ratio Lower Upper

173 100

175 1205.8 24.5 73.5#

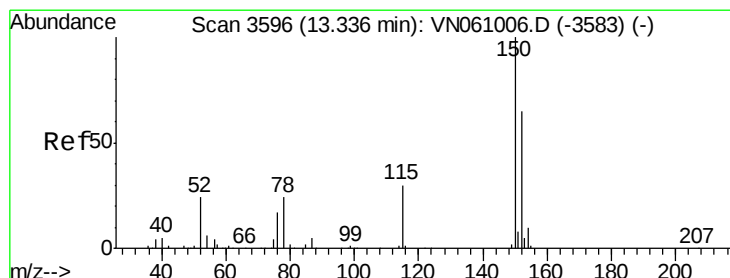
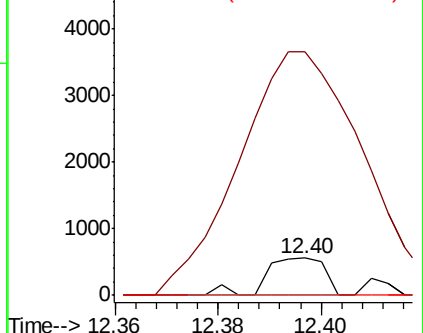
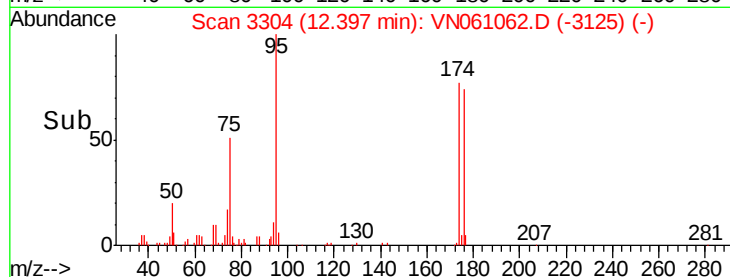
254 0.0 0.0 0.0



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: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN061062.D

Acq: 17 Apr 2020 19:33

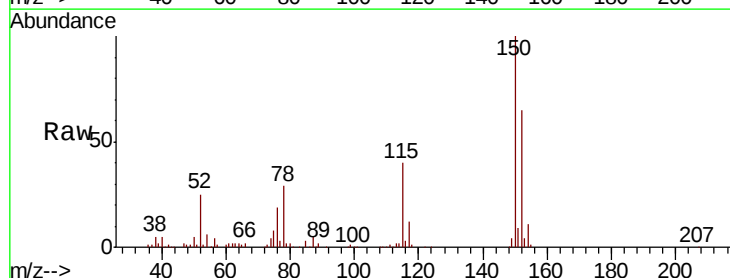
Tgt Ion:152 Resp: 100980

Ion Ratio Lower Upper

152 100

115 61.0 30.8 92.4

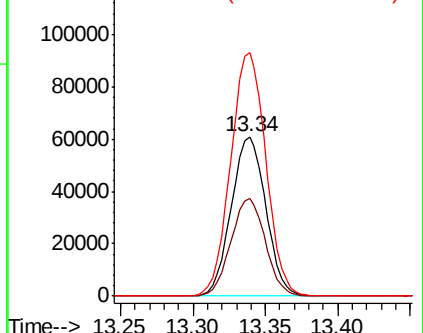
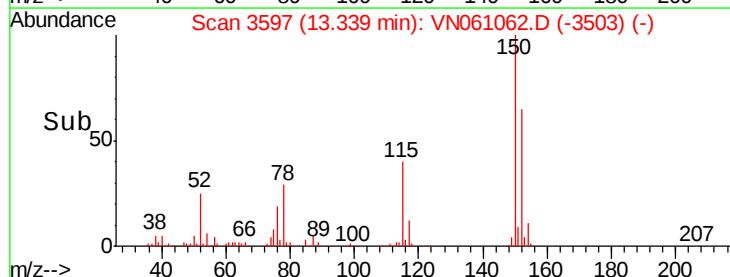
150 155.2 0.0 349.0

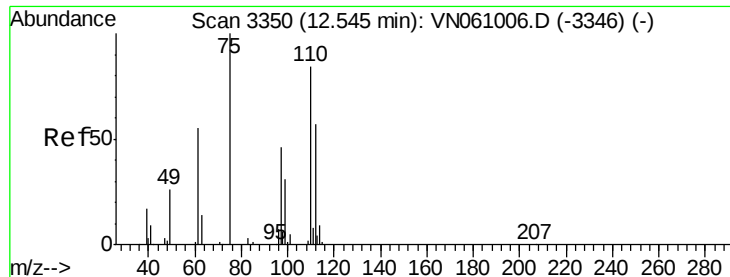


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 25.338 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN061062.D

Acq: 17 Apr 2020 19:33

Instrument :

MSVOA_N

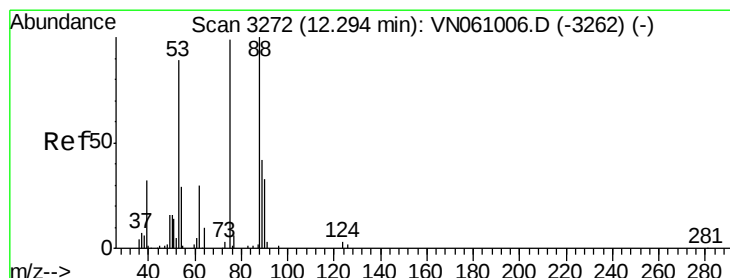
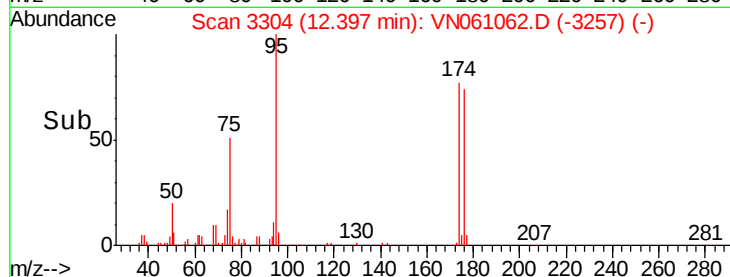
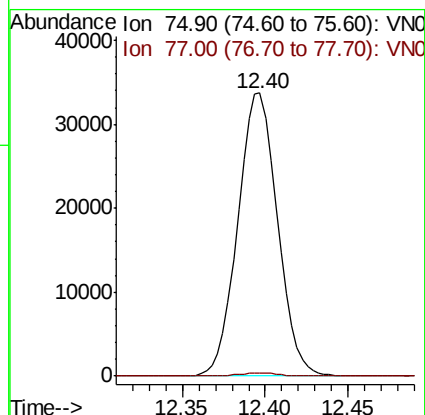
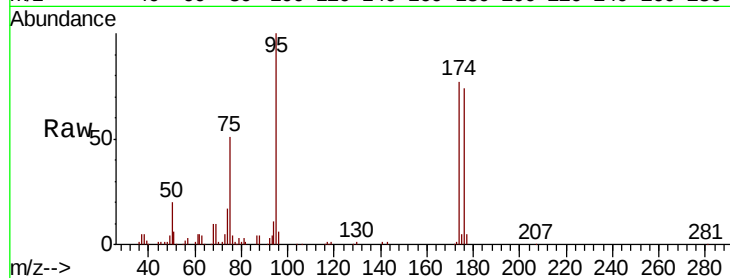
ClientSampleId :

Tot Ion: 75 Resp: 56279

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.498 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN061062.D

Acq: 17 Apr 2020 19:33

Tgt Ion: 75 Resp: 56279

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.0 34.6 52.0#

