

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041720\
 Data File : VN061078.D
 Acq On : 18 Apr 2020 2:21
 Operator : JC/MD
 Sample : L2338-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 20 01:40:54 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	144337	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	246939	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	231830	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	103207	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	98192	53.17	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.34%	
35) Dibromofluoromethane	7.56	113	73718	51.12	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.24%	
50) Toluene-d8	10.08	98	304136	55.81	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	111.62%	
62) 4-Bromofluorobenzene	12.39	95	112588	52.72	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.44%	

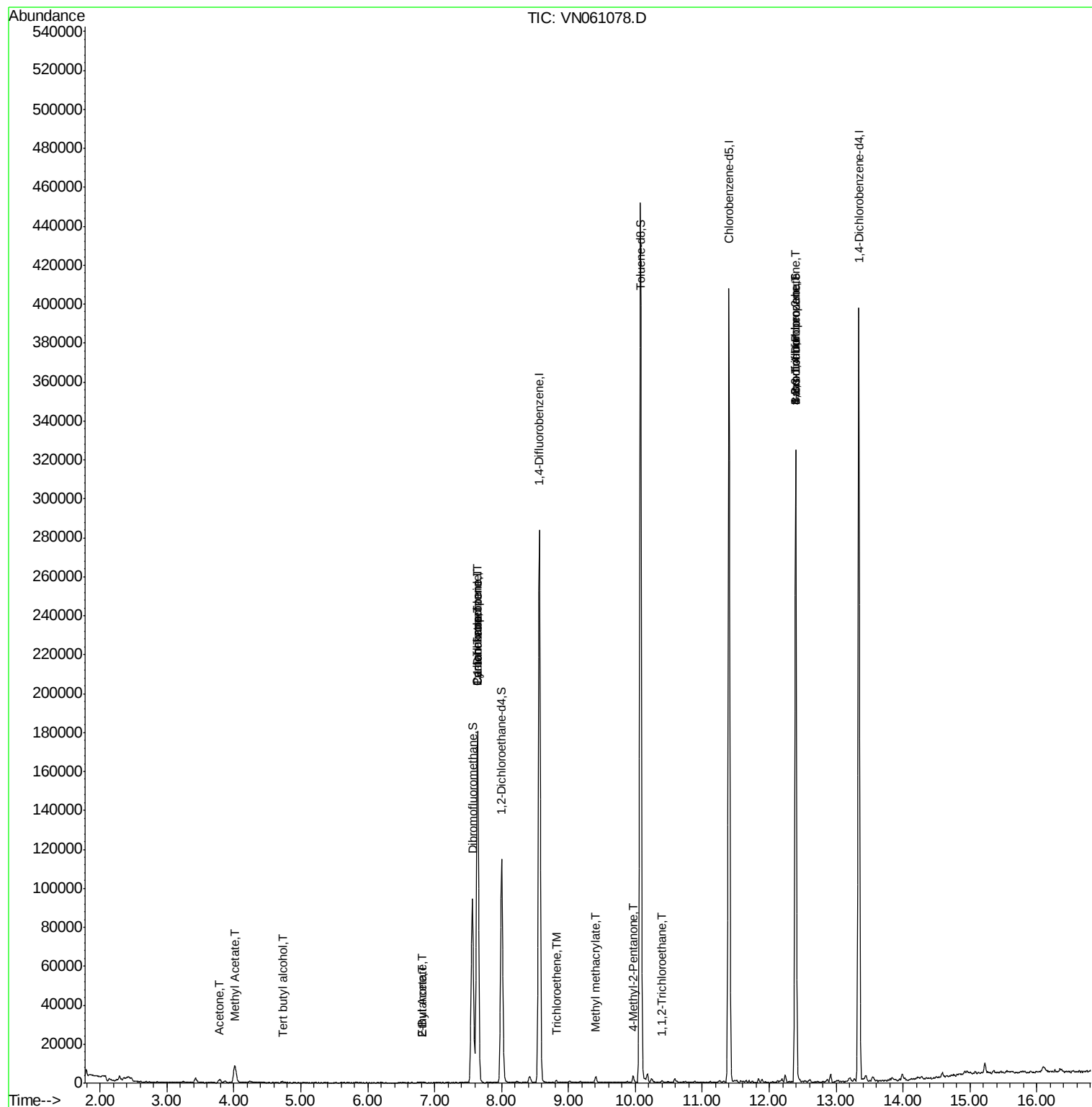
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	1588	4.847	ug/l #	73
16) Acetone	3.78	43	2843	3.498	ug/l #	87
18) Methyl Acetate	4.01	43	3118	1.223	ug/l #	54
25) 2-Butanone	6.81	43	1064	0.854	ug/l #	51
31) Cyclohexane	7.64	56	3122	0.908	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	11127	4.367	ug/l #	50
37) Ethyl Acetate	6.81	43	1064	0.385	ug/l #	69
38) Carbon Tetrachloride	7.64	117	14367	6.774	ug/l #	15
44) Trichloroethene	8.81	130	385	0.203	ug/l	89
48) Methyl methacrylate	9.41	41	1367	0.687	ug/l #	29
51) 4-Methyl-2-Pentanone	9.97	43	2438	0.940	ug/l	90
55) 1,1,2-Trichloroethane	10.40	97	750	0.437	ug/l #	15
71) Bromoform	12.39	173	352	0.275	ug/l #	1
76) 1,2,3-Trichloropropane	12.39	75	56878	25.055	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.39	75	56878	61.800	ug/l #	12

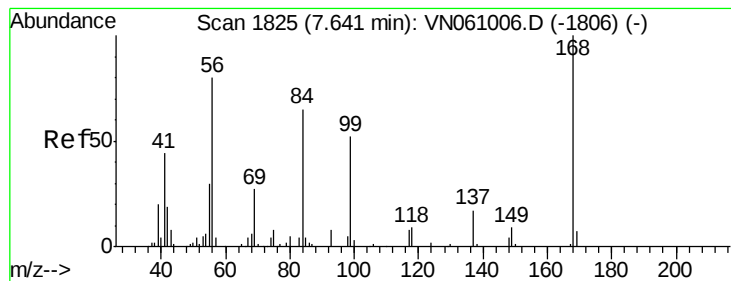
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN061078.D

Acq: 18 Apr 2020 2:21

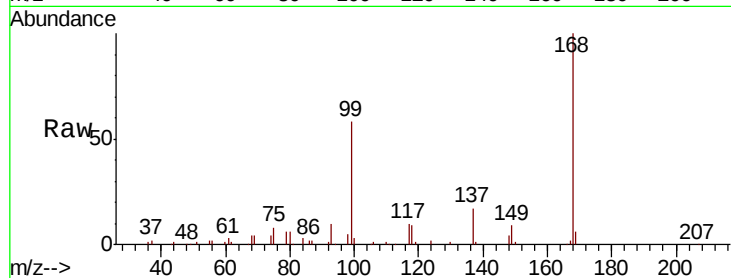
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 144337

Ion Ratio Lower Upper

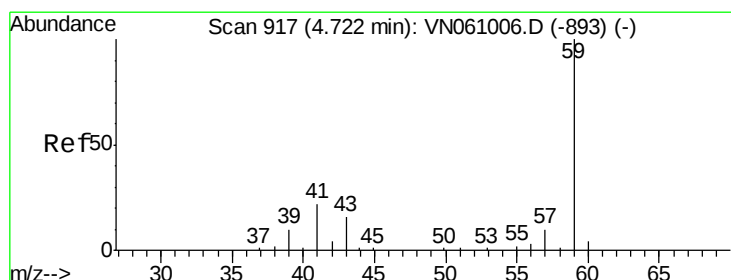
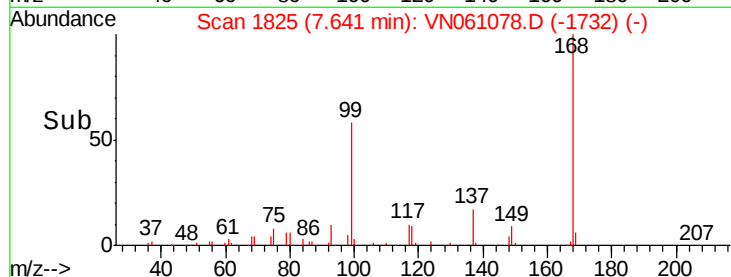
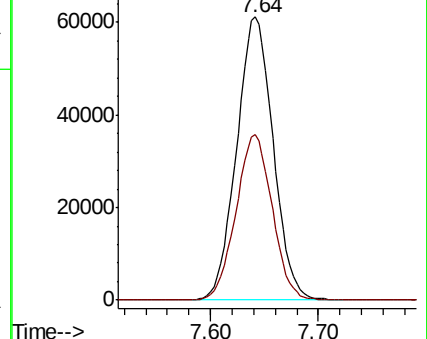
168 100

99 58.5 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#11

Tert butyl alcohol

Concen: 4.847 ug/l

RT: 4.73 min Scan# 919

Delta R.T. 0.01 min

Lab File: VN061078.D

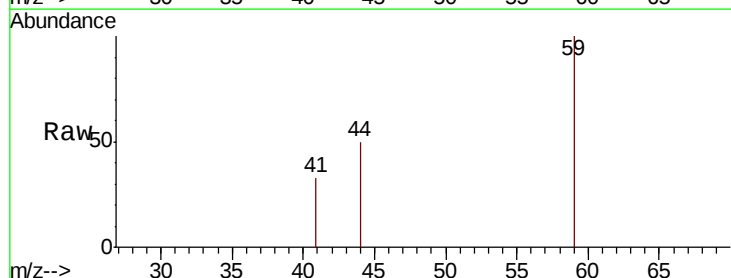
Acq: 18 Apr 2020 2:21

Tgt Ion: 59 Resp: 1588

Ion Ratio Lower Upper

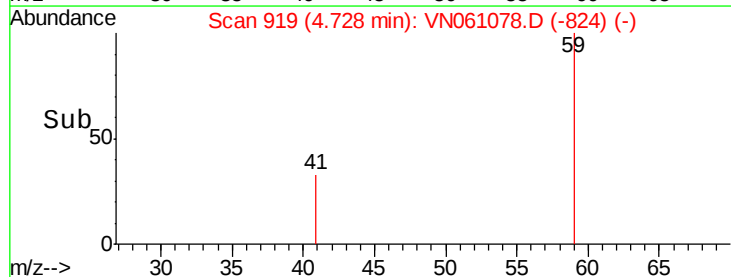
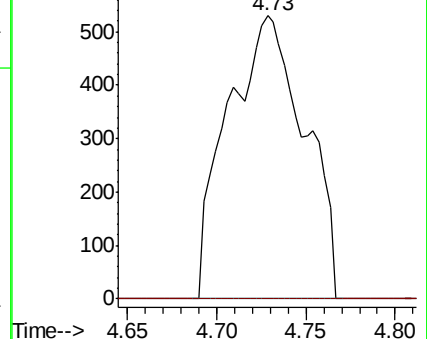
59 100

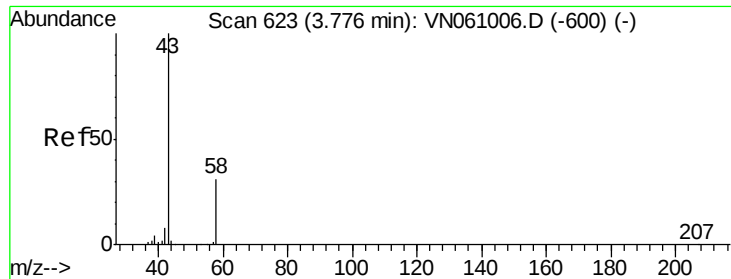
57 0.0 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN





#16

Acetone

Concen: 3.498 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN061078.D

Acq: 18 Apr 2020 2:21

Instrument :

MSVOA_N

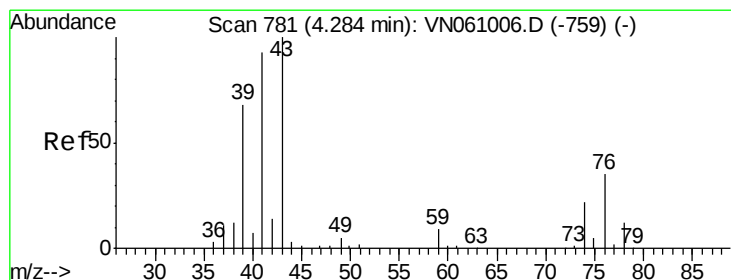
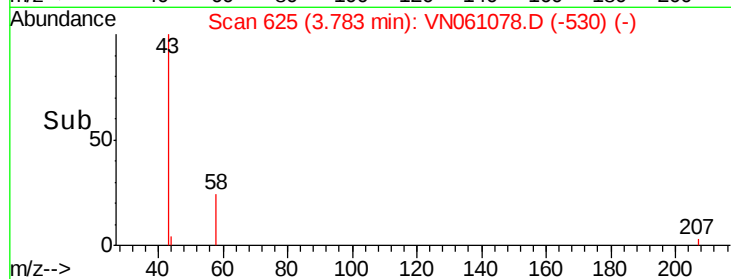
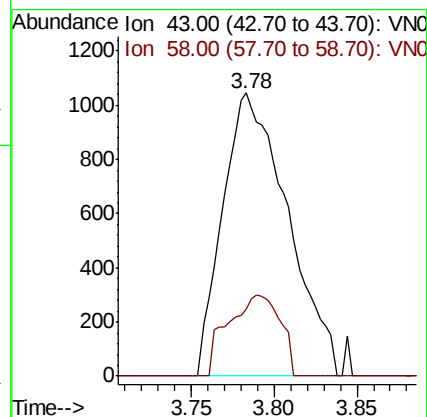
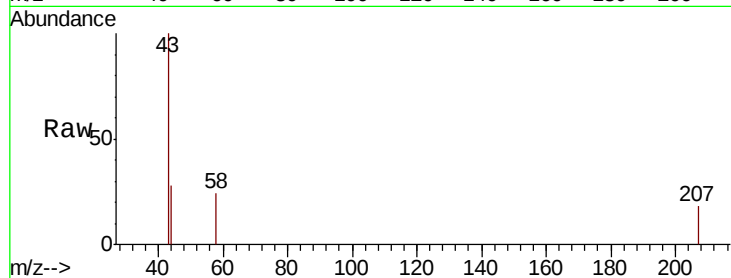
ClientSampled :

Tot Ion: 43 Resp: 2843

Ion Ratio Lower Upper

43 100

58 23.6 24.6 37.0#



#18

Methyl Acetate

Concen: 1.223 ug/l

RT: 4.01 min Scan# 697

Delta R.T. -0.27 min

Lab File: VN061078.D

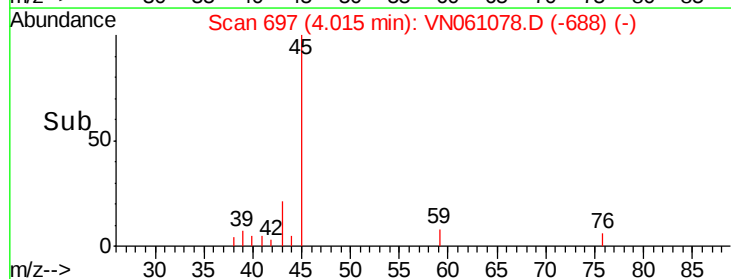
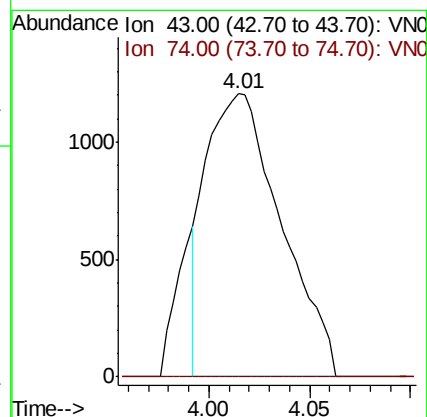
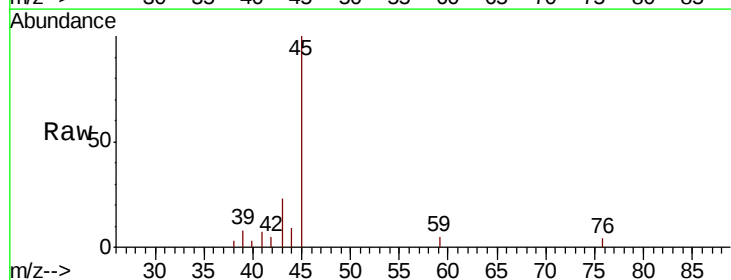
Acq: 18 Apr 2020 2:21

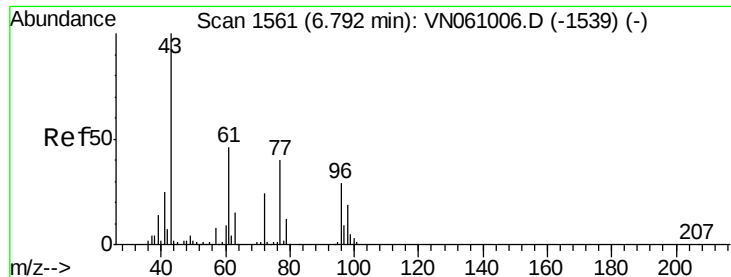
Tgt Ion: 43 Resp: 3118

Ion Ratio Lower Upper

43 100

74 0.0 17.4 26.0#

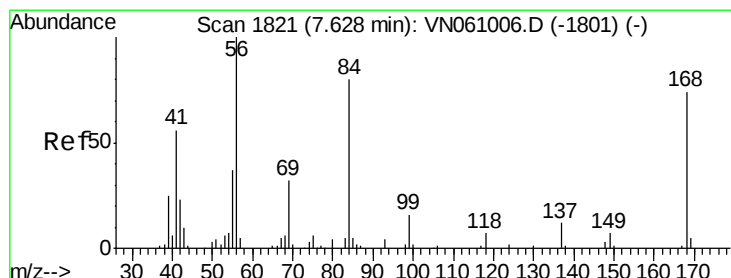
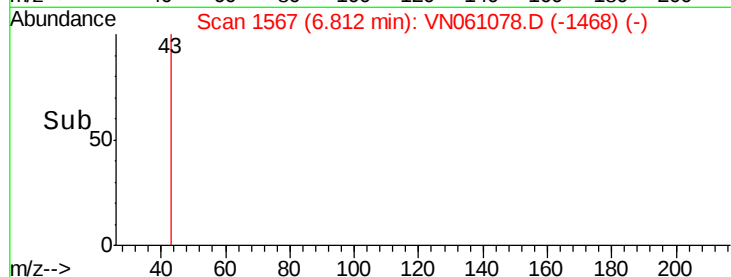
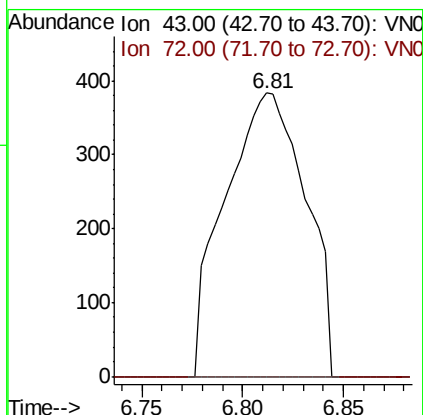
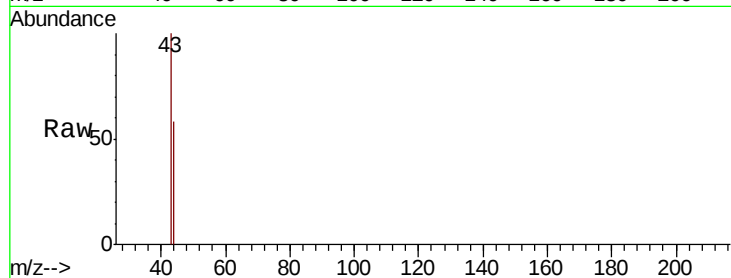




#25
2-Butanone
Concen: 0.854 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. 0.02 min
Lab File: VN061078.D
Acq: 18 Apr 2020 2:21

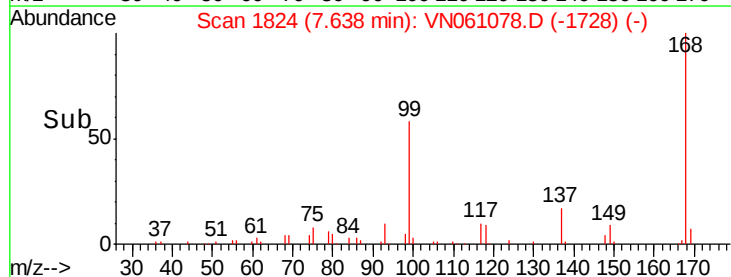
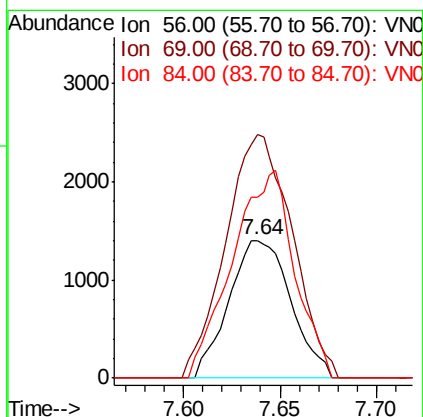
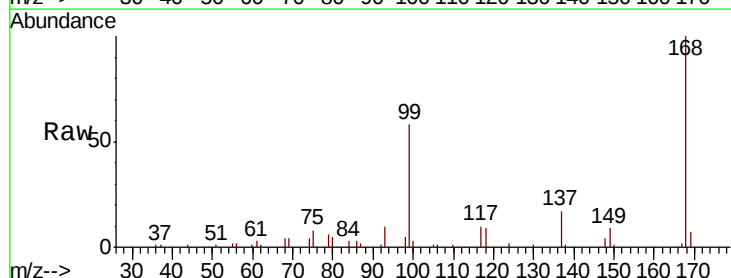
Instrument :
MSVOA_N
ClientSampleId :

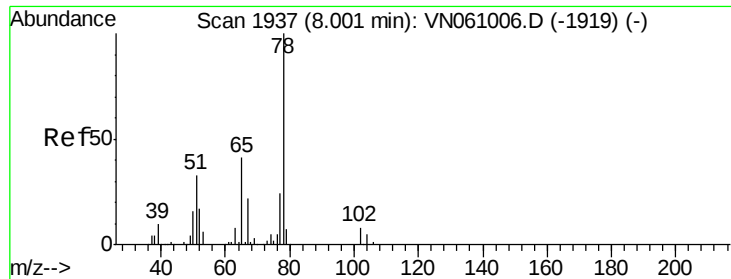
Tot Ion: 43 Resp: 1064
Ion Ratio Lower Upper
43 100
72 0.0 19.6 29.4#



#31
Cyclohexane
Concen: 0.908 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VN061078.D
Acq: 18 Apr 2020 2:21

Tgt Ion: 56 Resp: 3122
Ion Ratio Lower Upper
56 100
69 176.5 25.6 38.4#
84 131.4 63.4 95.2#

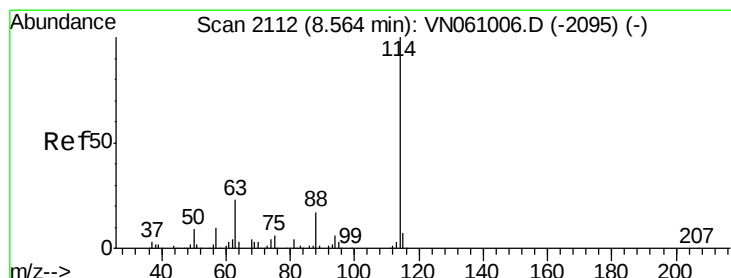
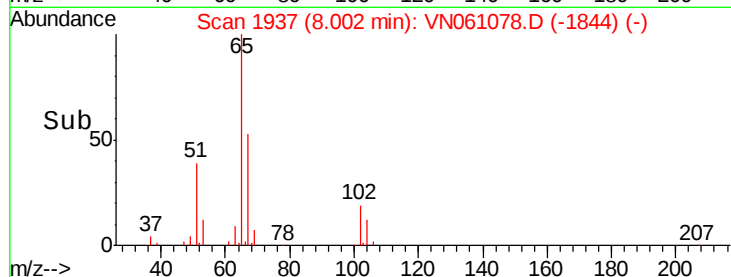
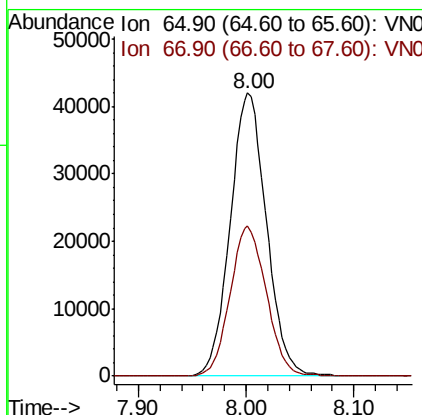
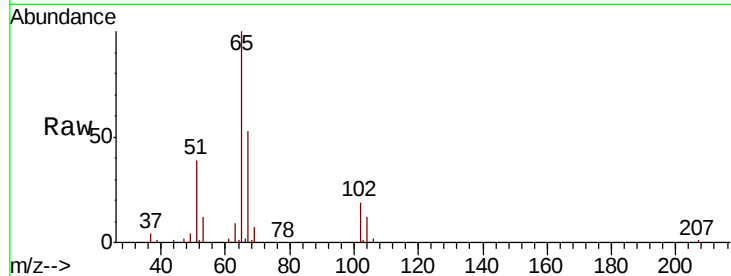




#33
 1,2-Dichloroethane-d4
 Concen: 53.172 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VN061078.D
 Acq: 18 Apr 2020 2:21

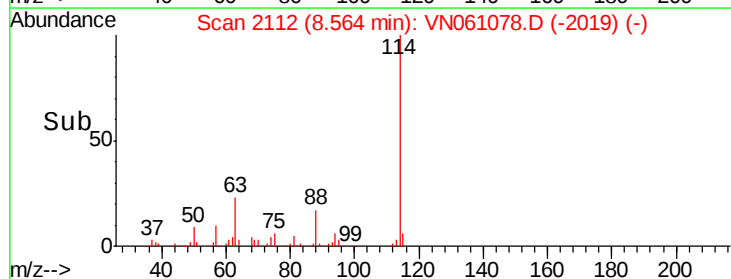
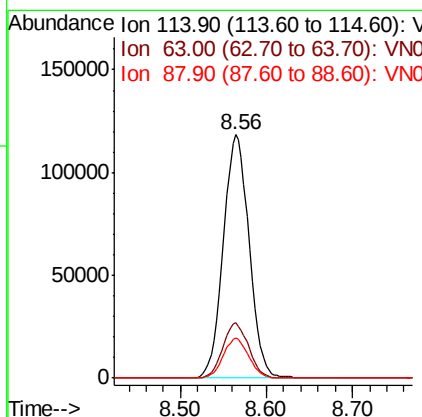
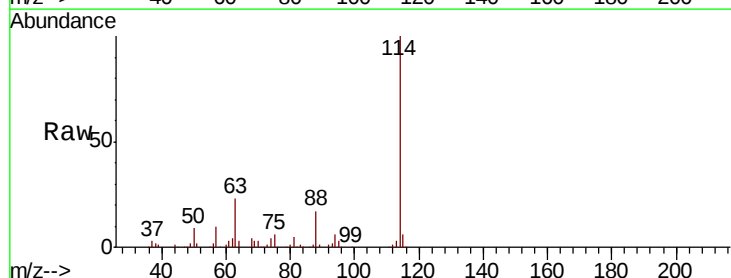
Instrument :
 MSVOA_N
 ClientSampleId :

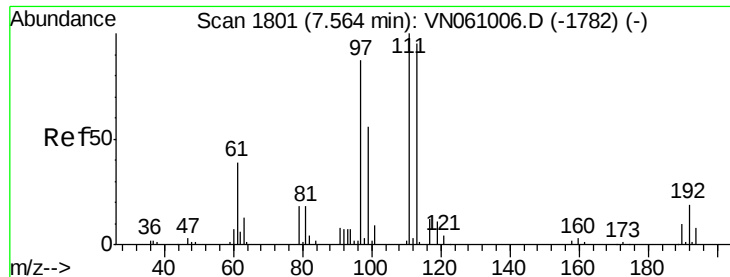
Tot Ion: 65 Resp: 98192
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VN061078.D
 Acq: 18 Apr 2020 2:21

Tgt Ion: 114 Resp: 246939
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 46.2
 88 16.5 0.0 33.4

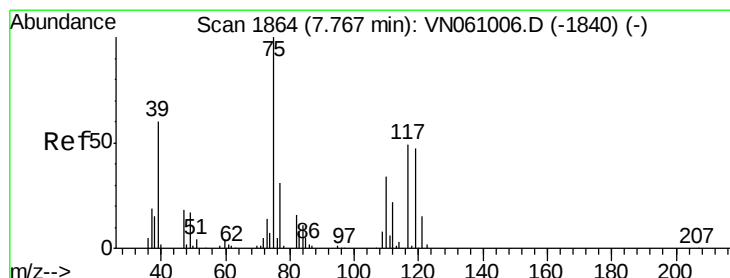
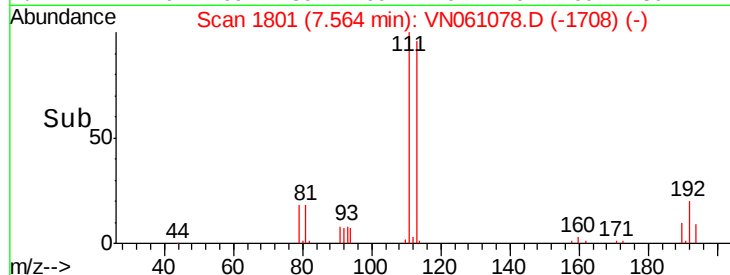
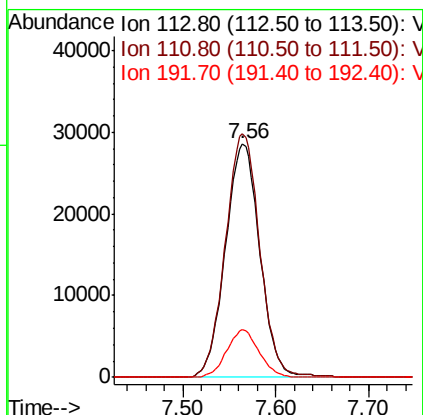
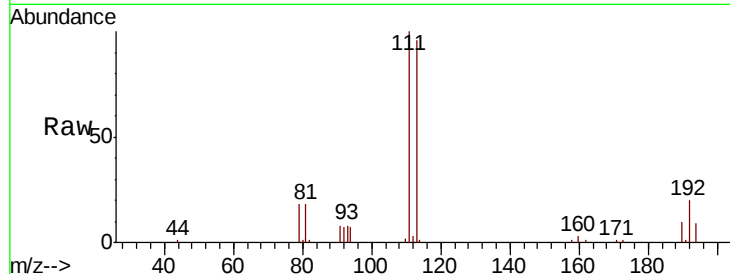




#35
 Dibromofluoromethane
 Concen: 51.119 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN061078.D
 Acq: 18 Apr 2020 2:21

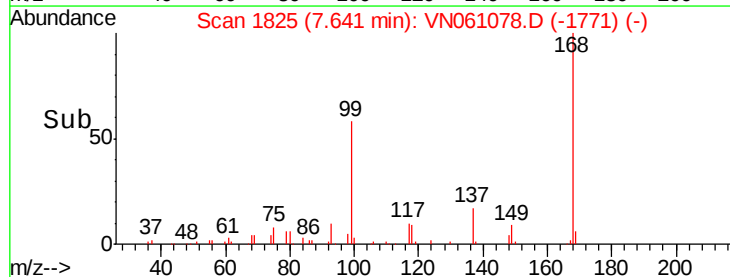
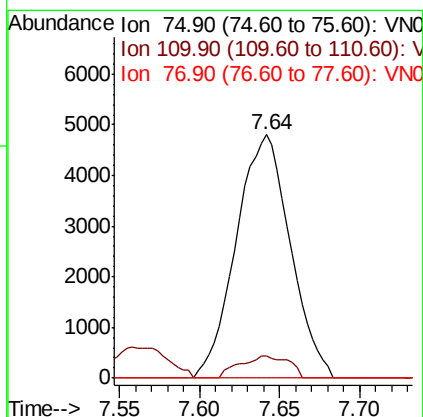
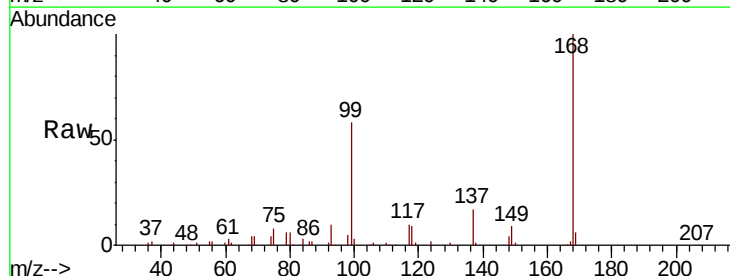
Instrument :
 MSVOA_N
 ClientSampleId :

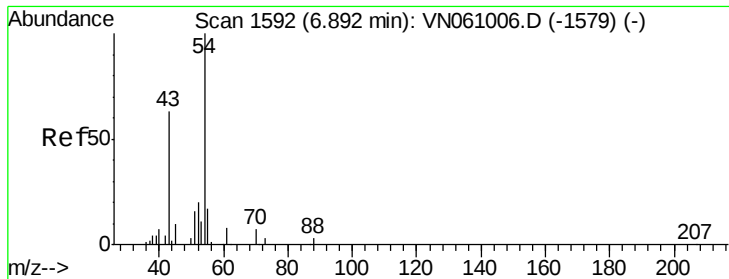
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	83.4	125.2
192	19.0	15.5	23.3



#36
 1,1-Dichloropropene
 Concen: 4.367 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN061078.D
 Acq: 18 Apr 2020 2:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.2	16.8	50.3#
77	0.0	24.7	37.1#

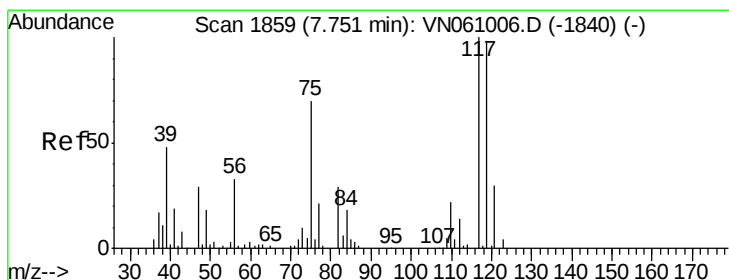
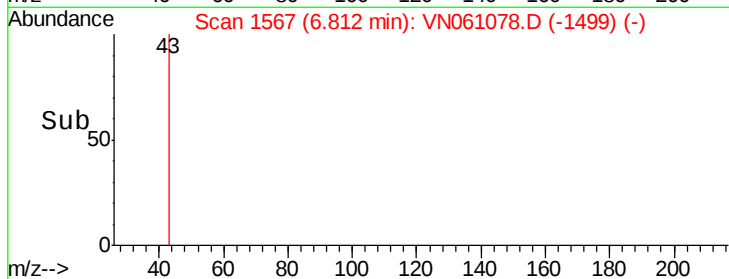
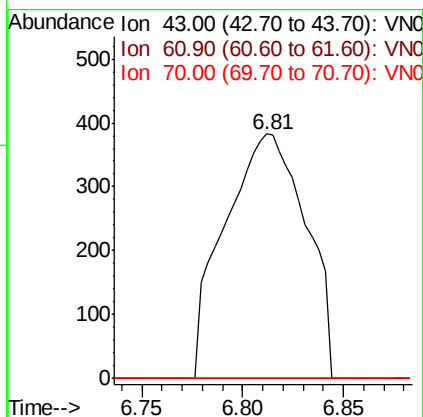
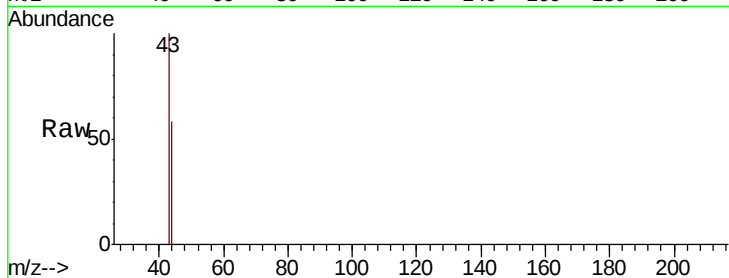




#37
Ethyl Acetate
Concen: 0.385 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. -0.08 min
Lab File: VN061078.D
Acq: 18 Apr 2020 2:21

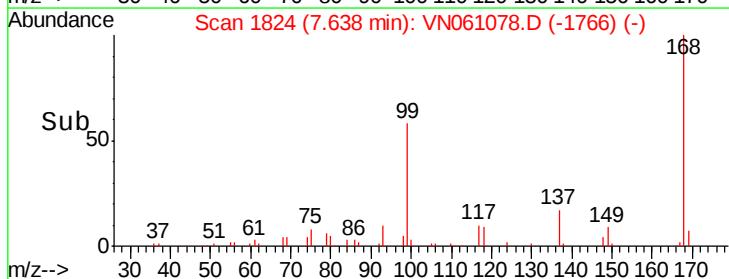
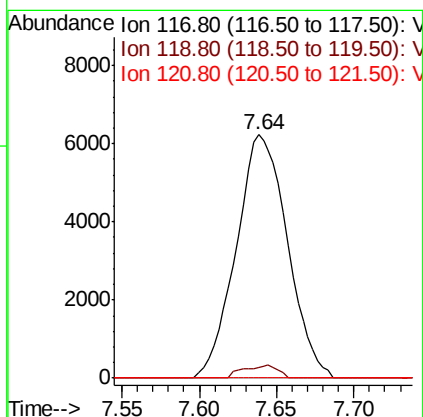
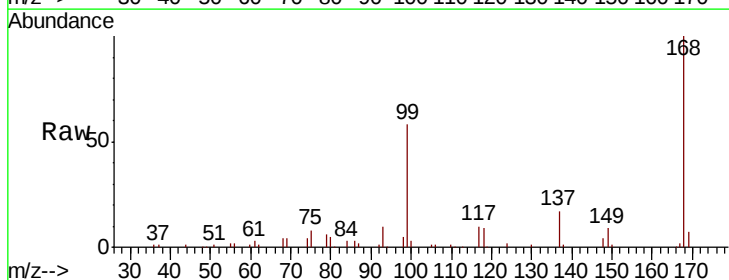
Instrument :
MSVOA_N
ClientSampleId :

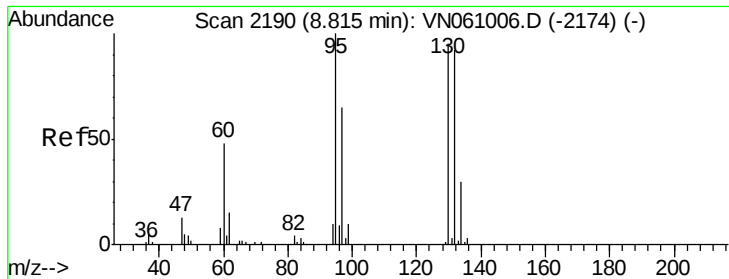
Tot Ion: 43 Resp: 1064
Ion Ratio Lower Upper
43 100
61 0.0 10.9 16.3#
70 0.0 7.7 11.5#



#38
Carbon Tetrachloride
Concen: 6.774 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. -0.11 min
Lab File: VN061078.D
Acq: 18 Apr 2020 2:21

Tgt Ion: 117 Resp: 14367
Ion Ratio Lower Upper
117 100
119 4.5 78.1 117.1#
121 0.0 24.0 36.0#





#44

Trichloroethene

Concen: 0.203 ug/l

RT: 8.81 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VN061078.D

Acq: 18 Apr 2020 2:21

Instrument :

MSVOA_N

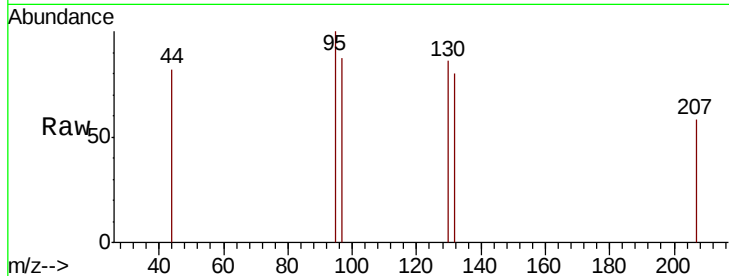
ClientSampleId :

Tot Ion:130 Resp: 385

Ion Ratio Lower Upper

130 100

95 116.4 0.0 210.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

8.81

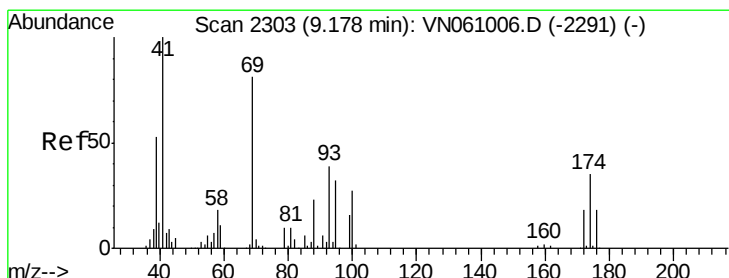
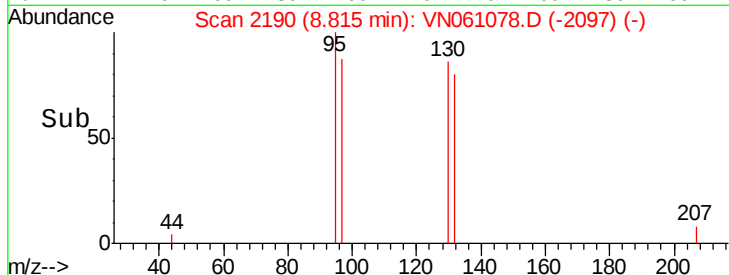
300

200

100

0

Time--> 8.78 8.80 8.82 8.84



#48

Methyl methacrylate

Concen: 0.687 ug/l

RT: 9.41 min Scan# 2374

Delta R.T. 0.23 min

Lab File: VN061078.D

Acq: 18 Apr 2020 2:21

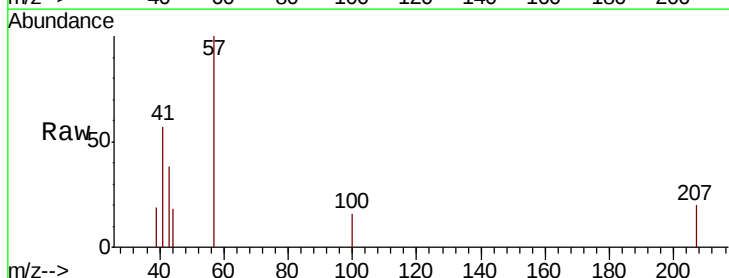
Tgt Ion: 41 Resp: 1367

Ion Ratio Lower Upper

41 100

69 0.0 65.3 97.9#

39 25.8 45.2 67.8#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

800

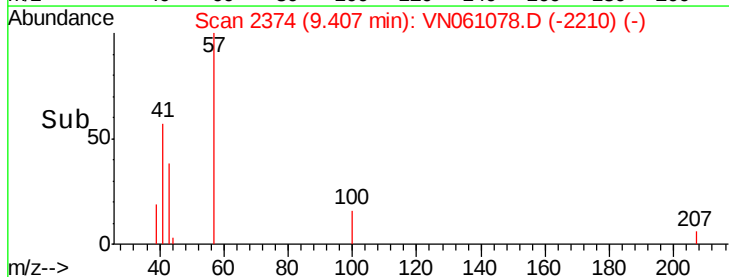
600

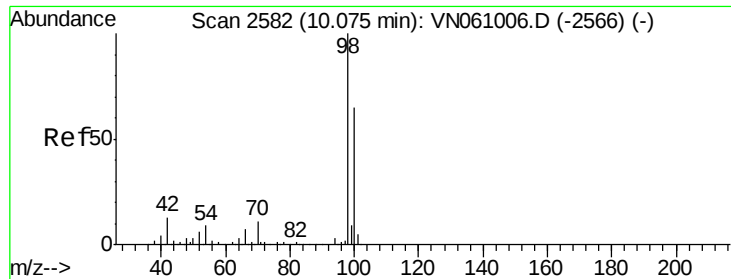
400

200

0

Time--> 9.35 9.40 9.45





#50

Toluene-d8

Concen: 55.811 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. 0.00 min

Lab File: VN061078.D

Acq: 18 Apr 2020 2:21

Instrument :

MSVOA_N

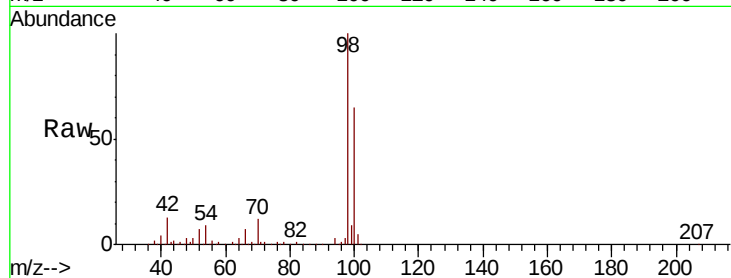
ClientSampled :

Tot Ion: 98 Resp: 304136

Ion Ratio Lower Upper

98 100

100 64.6 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN061006.D (-2566) (-)

Ion 100.00 (99.70 to 100.70): VN061006.D (-2566) (-)

10.08

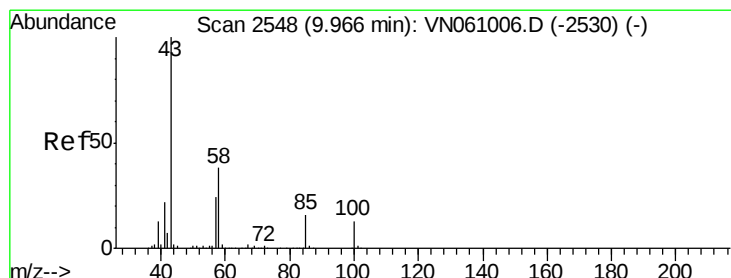
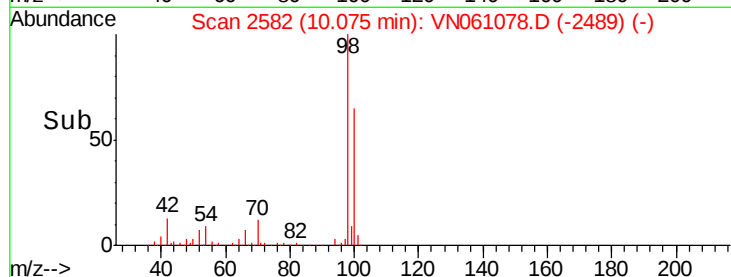
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.940 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. 0.00 min

Lab File: VN061078.D

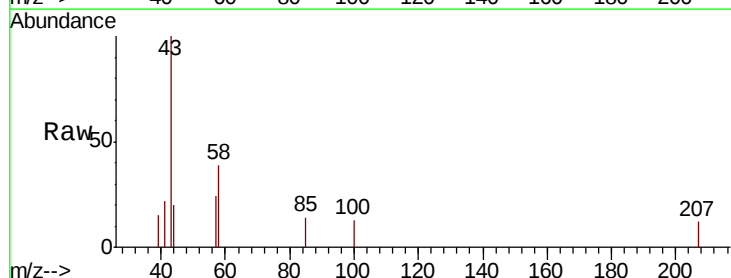
Acq: 18 Apr 2020 2:21

Tgt Ion: 43 Resp: 2438

Ion Ratio Lower Upper

43 100

58 31.7 30.3 45.5



Abundance Ion 43.00 (42.70 to 43.70): VN061006.D (-2530) (-)

Ion 58.00 (57.70 to 58.70): VN061006.D (-2530) (-)

9.97

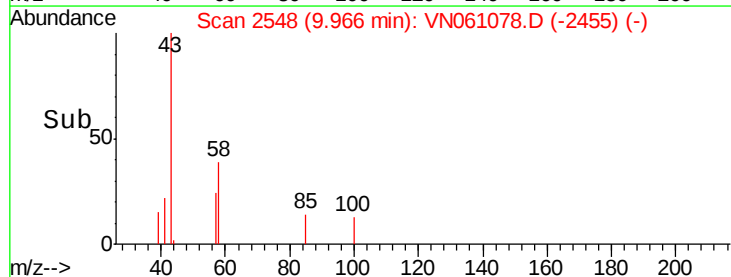
1500

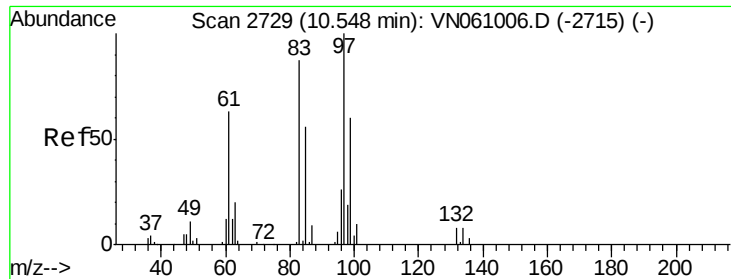
1000

500

0

Time-->

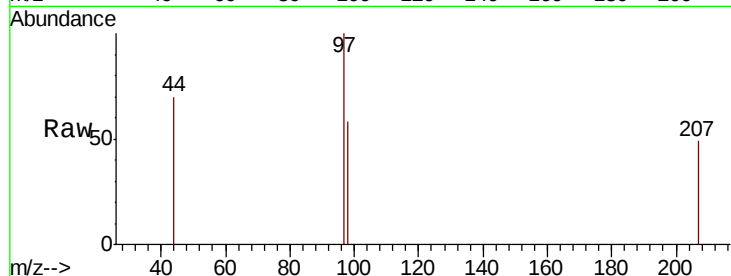




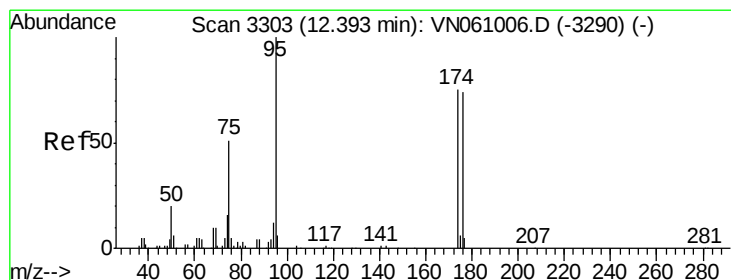
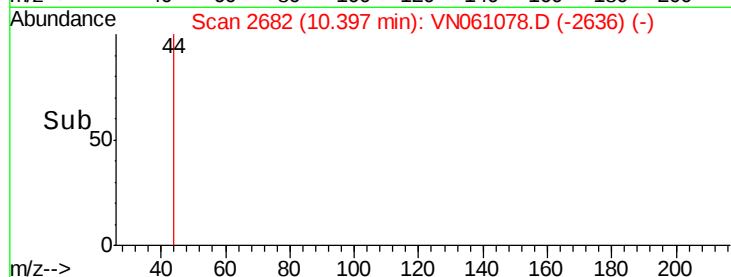
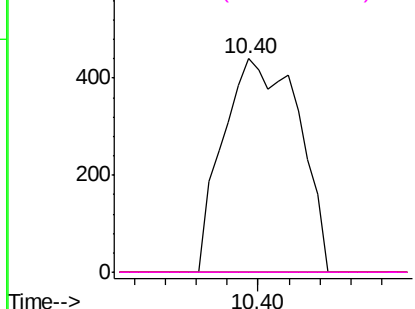
#55
 1,1,2-Trichloroethane
 Concen: 0.437 ug/l
 RT: 10.40 min Scan# 2682
 Delta R.T. -0.15 min
 Lab File: VN061078.D
 Acq: 18 Apr 2020 2:21

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 97 Resp: 750
 Ion Ratio Lower Upper
 97 100
 83 0.0 69.5 104.3#
 85 0.0 45.0 67.4#
 99 0.0 47.9 71.9#

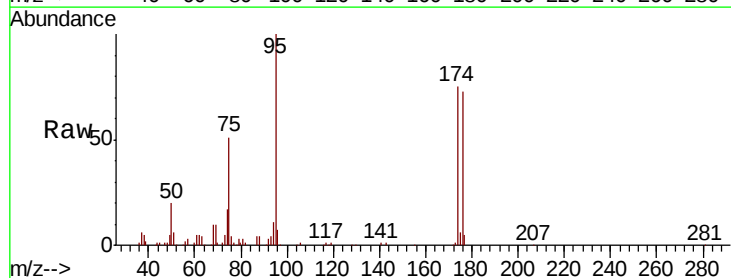


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

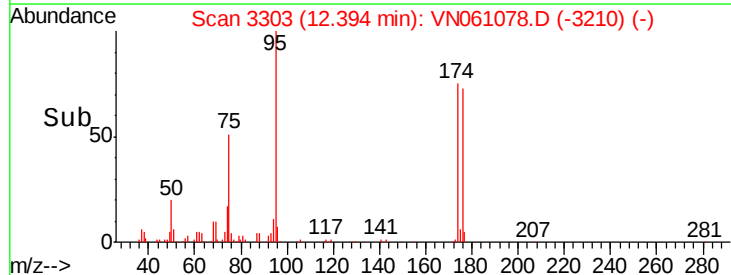
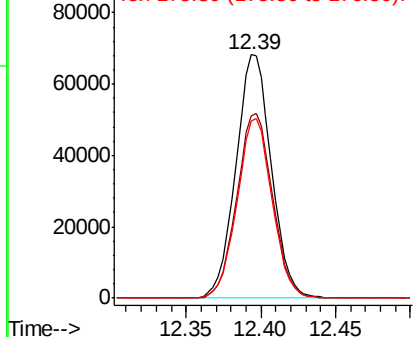


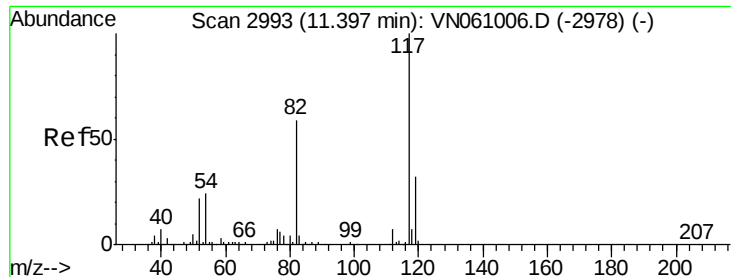
#62
 4-Bromofluorobenzene
 Concen: 52.715 ug/l
 RT: 12.39 min Scan# 3303
 Delta R.T. 0.00 min
 Lab File: VN061078.D
 Acq: 18 Apr 2020 2:21

Tgt Ion: 95 Resp: 112588
 Ion Ratio Lower Upper
 95 100
 174 76.4 0.0 151.2
 176 73.1 0.0 148.2



Abundance Ion 94.90 (94.60 to 95.60): VNO
 Ion 173.80 (173.50 to 174.50): VNO
 Ion 175.80 (175.50 to 176.50): VNO

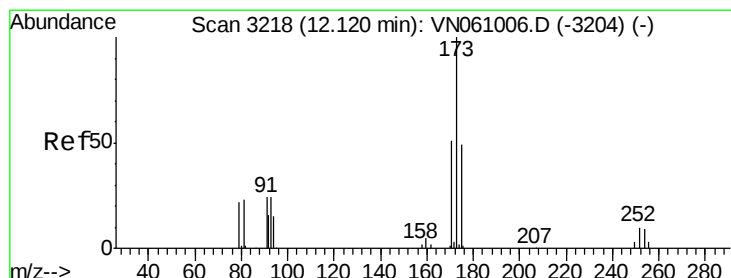
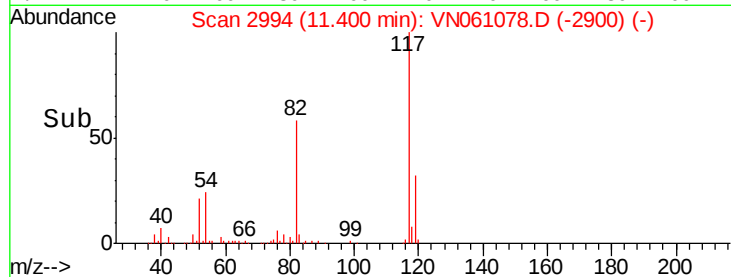
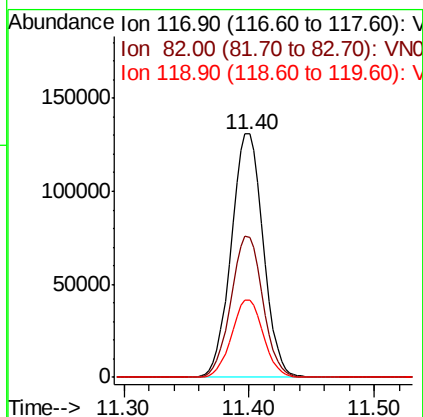
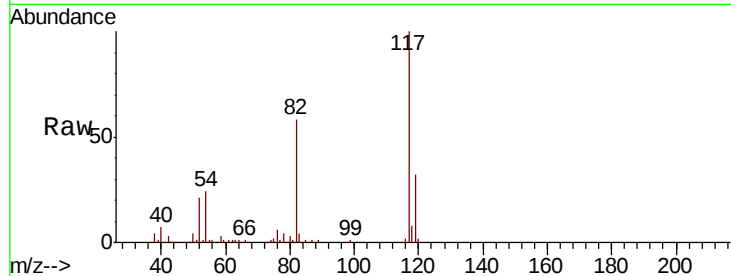




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN061078.D
Acq: 18 Apr 2020 2:21

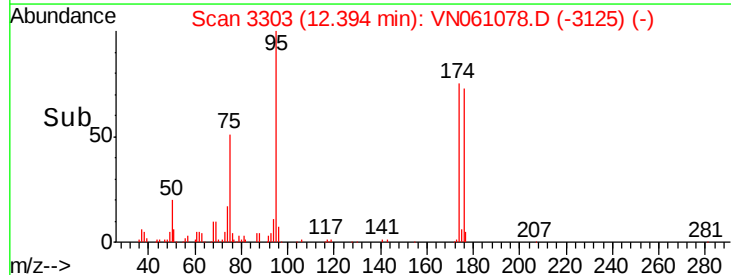
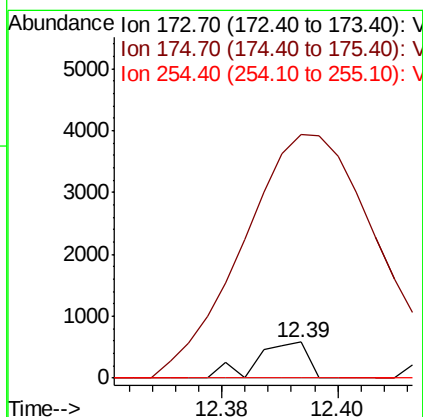
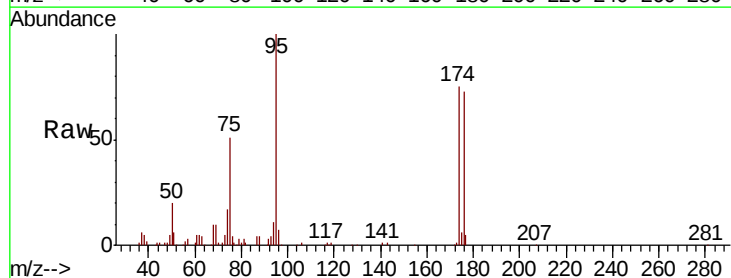
Instrument :
MSVOA_N
ClientSampleId :

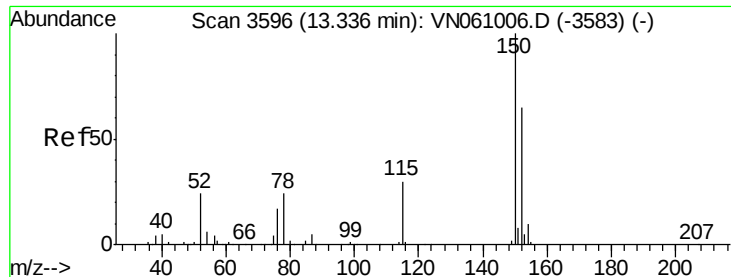
Tot Ion:117 Resp: 231830
Ion Ratio Lower Upper
117 100
82 57.7 47.1 70.7
119 31.8 25.7 38.5



#71
Bromoform
Concen: 0.275 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. 0.27 min
Lab File: VN061078.D
Acq: 18 Apr 2020 2:21

Tgt Ion:173 Resp: 352
Ion Ratio Lower Upper
173 100
175 1588.1 24.5 73.5#
254 0.0 0.0 0.0



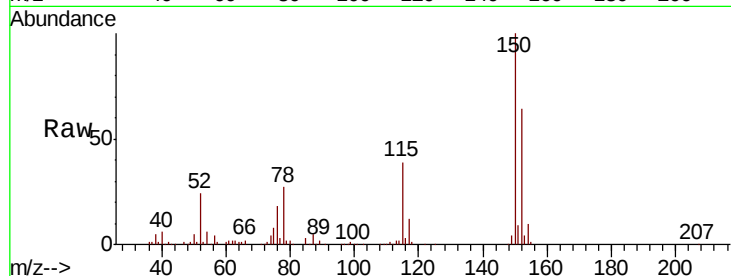


#72

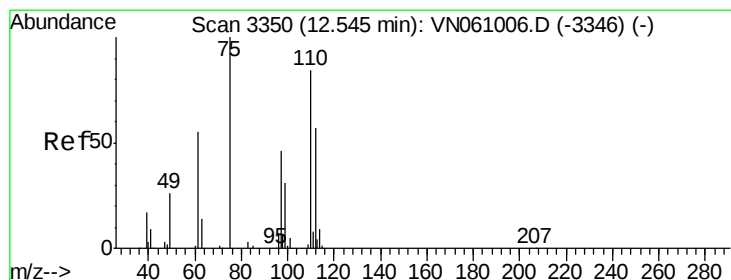
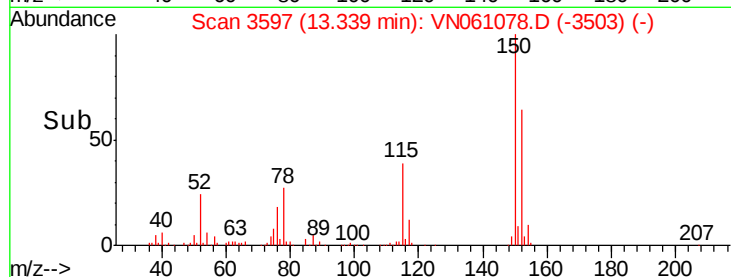
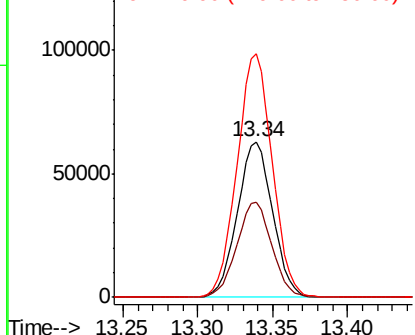
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN061078.D
Acq: 18 Apr 2020 2:21

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.8	30.8	92.4
150	156.8	0.0	349.0



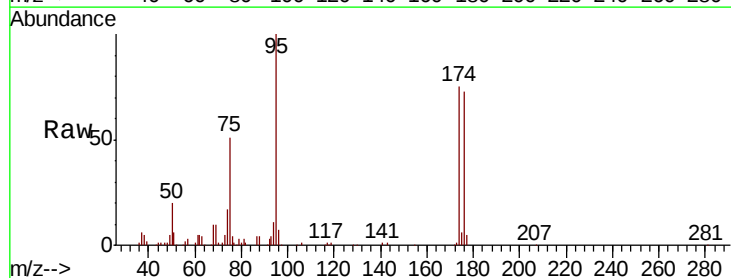
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



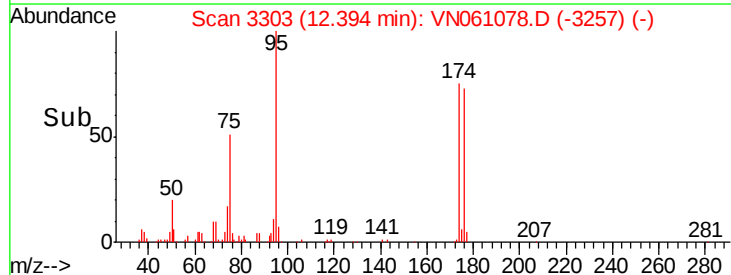
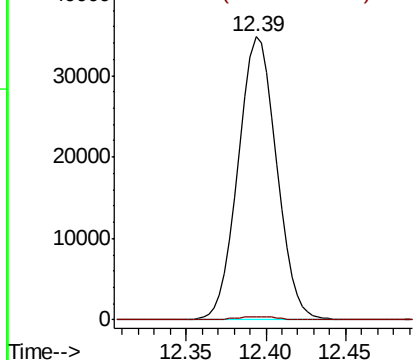
#76

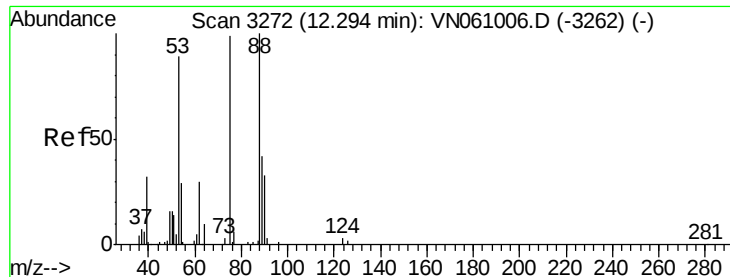
1,2,3-Trichloropropane
Concen: 25.055 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. -0.15 min
Lab File: VN061078.D
Acq: 18 Apr 2020 2:21

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.1	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 61.800 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.10 min

Lab File: VN061078.D

Acq: 18 Apr 2020 2:21

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 56878

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.0 34.6 52.0#

