

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040220\
 Data File : VN060819.D
 Acq On : 2 Apr 2020 13:31
 Operator : JC/MD
 Sample : L2015-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 03 07:42:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	196295	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	329575	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	307376	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	136271	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	128489	47.68	ug/l	0.00
Spiked Amount						
			Recovery	=	95.36%	
35) Dibromofluoromethane	7.56	113	98112	49.23	ug/l	0.00
Spiked Amount						
			Recovery	=	98.46%	
50) Toluene-d8	10.08	98	405926	49.87	ug/l	0.00
Spiked Amount						
			Recovery	=	99.74%	
62) 4-Bromofluorobenzene	12.40	95	148528	49.79	ug/l	0.00
Spiked Amount						
			Recovery	=	99.58%	

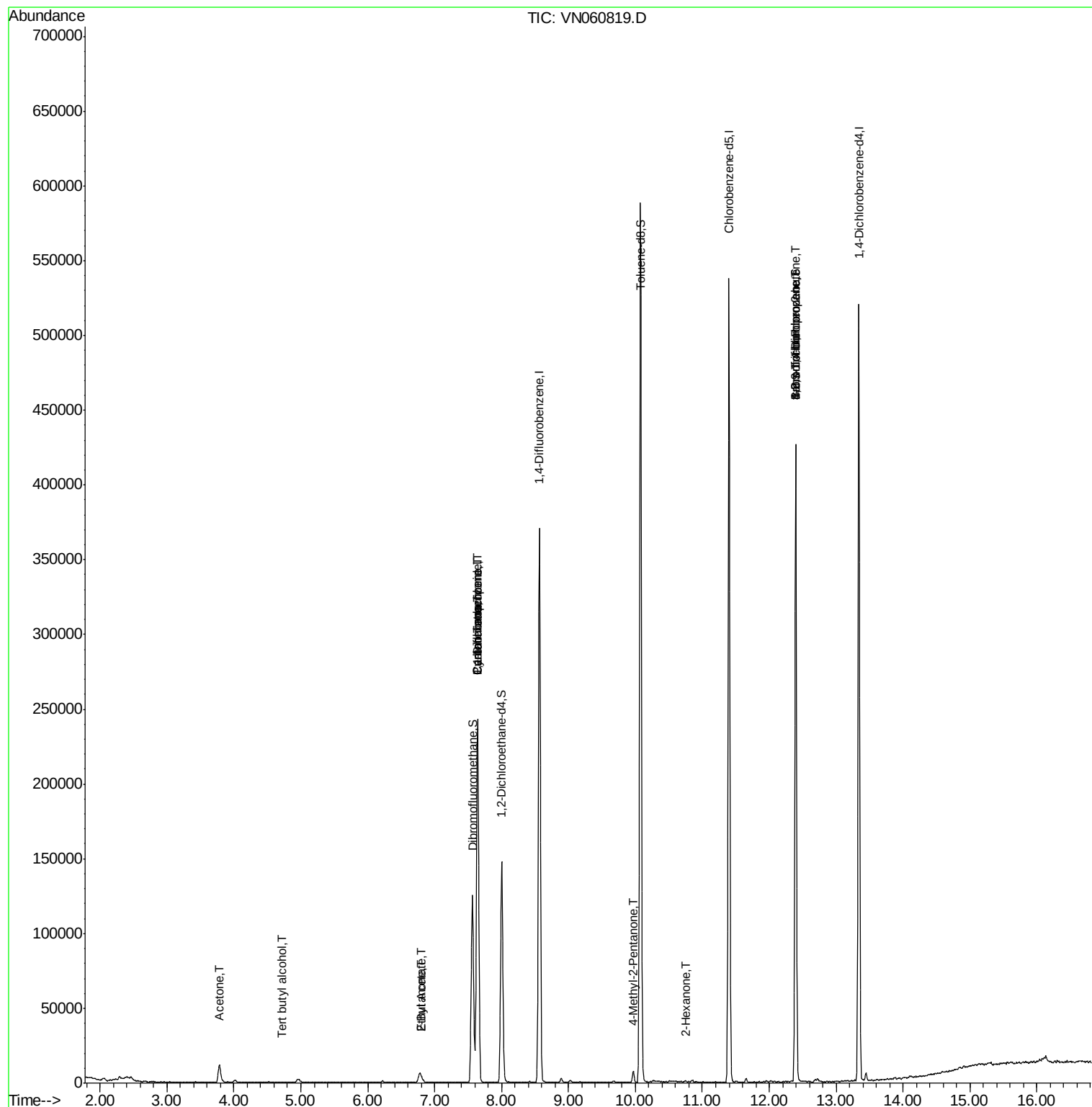
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.72	59	366	0.924	ug/l #	72
16) Acetone	3.78	43	20671	21.656	ug/l	99
25) 2-Butanone	6.81	43	5910	3.826	ug/l	96
31) Cyclohexane	7.64	56	4031	0.929	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15863	4.971	ug/l #	49
37) Ethyl Acetate	6.81	43	5910	1.714	ug/l #	70
38) Carbon Tetrachloride	7.64	117	18976	6.634	ug/l #	16
51) 4-Methyl-2-Pentanone	9.97	43	5575	1.723	ug/l	96
59) 2-Hexanone	10.74	43	733	0.314	ug/l #	57
71) Bromoform	12.40	173	572	1.982	ug/l #	1
76) 1,2,3-Trichloropropane	12.39	75	75709	25.747	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.39	75	75709	66.127	ug/l #	13

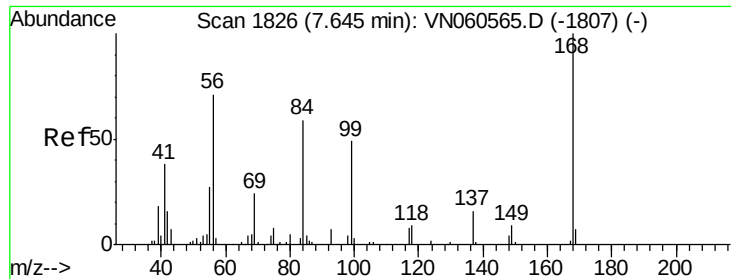
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060819.D

Acq: 2 Apr 2020 13:31

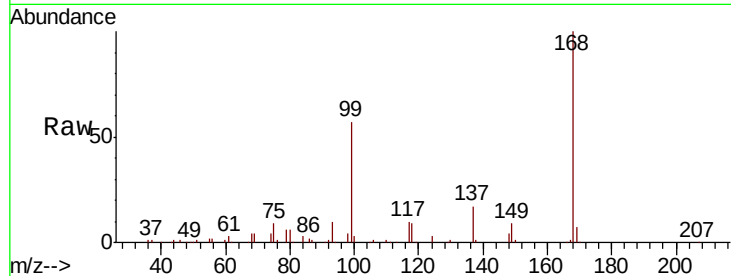
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 196295

Ion Ratio Lower Upper

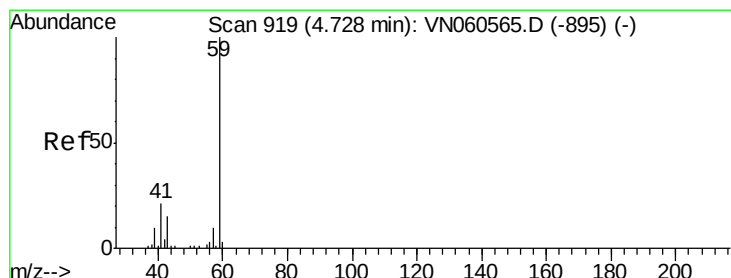
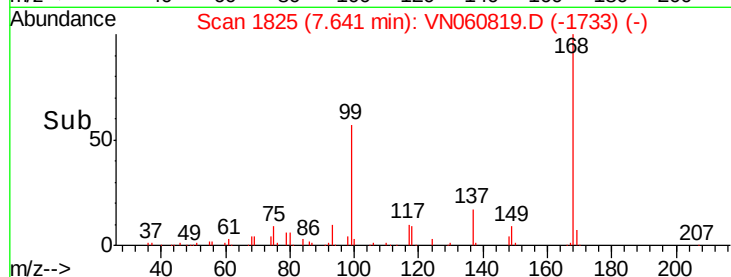
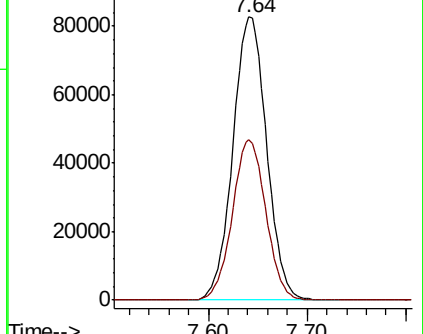
168 100

99 56.6 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#11

Tert butyl alcohol

Concen: 0.924 ug/l

RT: 4.72 min Scan# 918

Delta R.T. -0.00 min

Lab File: VN060819.D

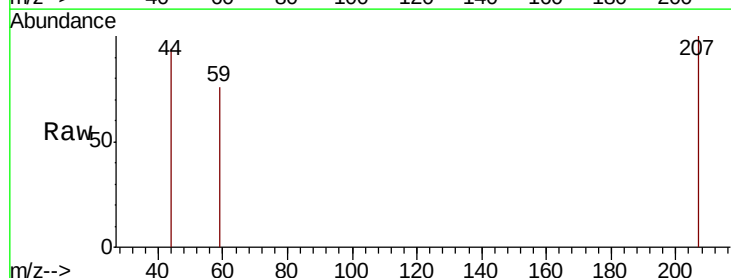
Acq: 2 Apr 2020 13:31

Tgt Ion: 59 Resp: 366

Ion Ratio Lower Upper

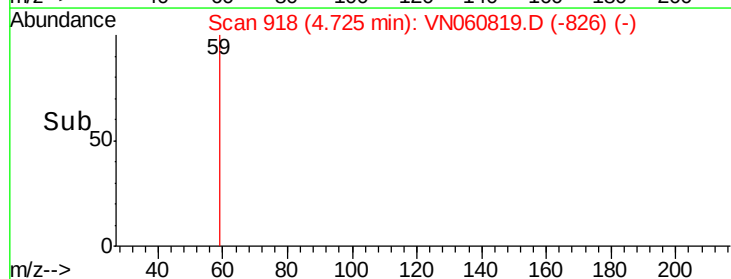
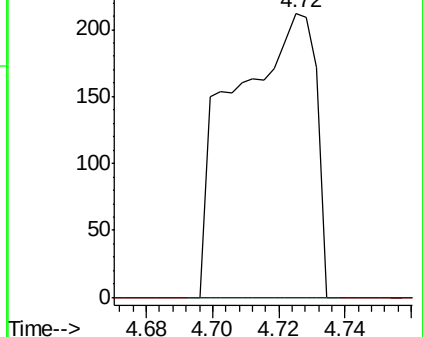
59 100

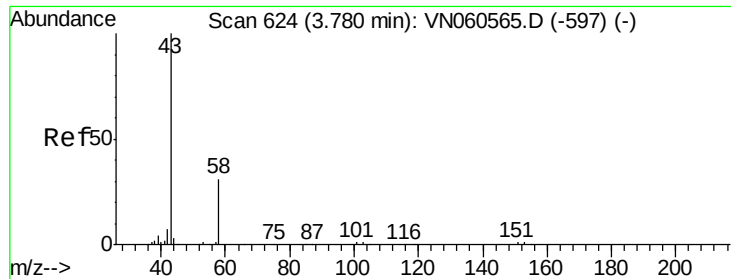
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN





#16

Acetone

Concen: 21.656 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060819.D

Acq: 2 Apr 2020 13:31

Instrument :

MSVOA_N

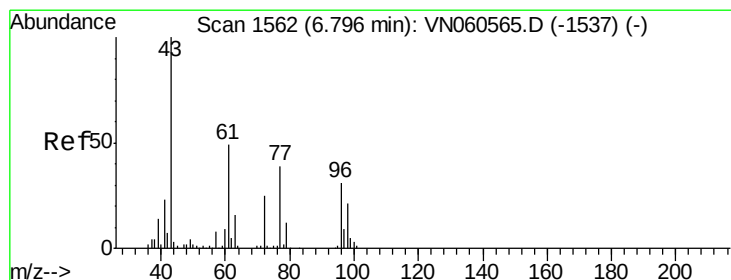
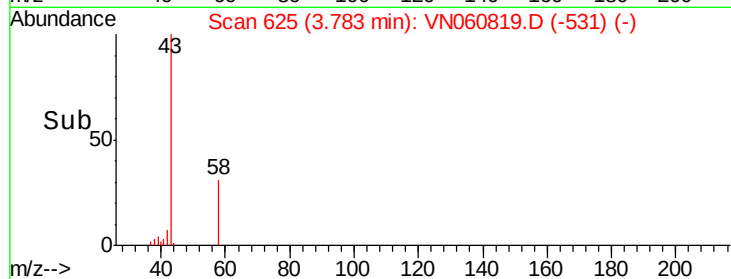
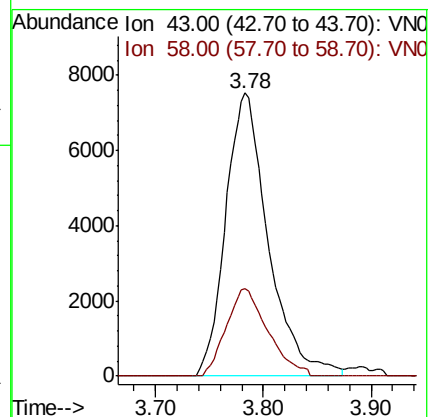
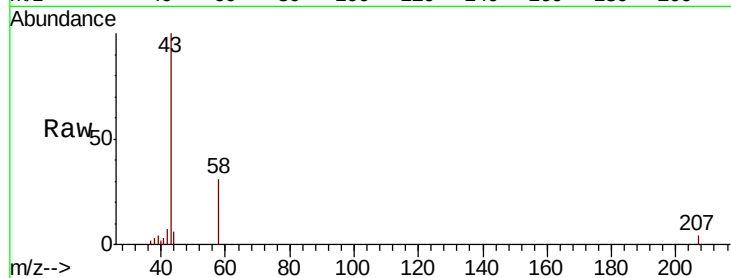
ClientSampled :

Tot Ion: 43 Resp: 20671

Ion Ratio Lower Upper

43 100

58 31.0 25.1 37.7



#25

2-Butanone

Concen: 3.826 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.01 min

Lab File: VN060819.D

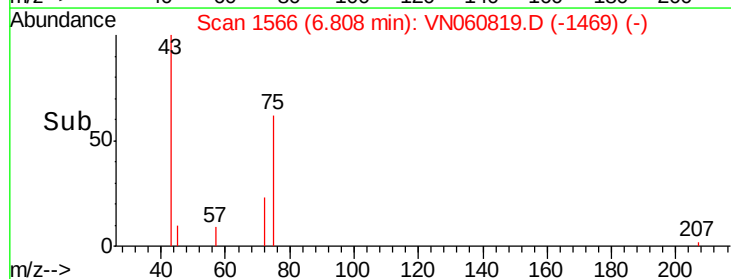
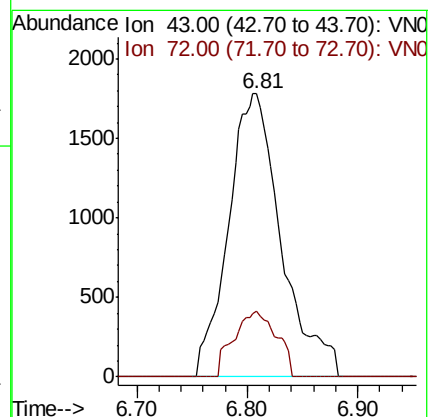
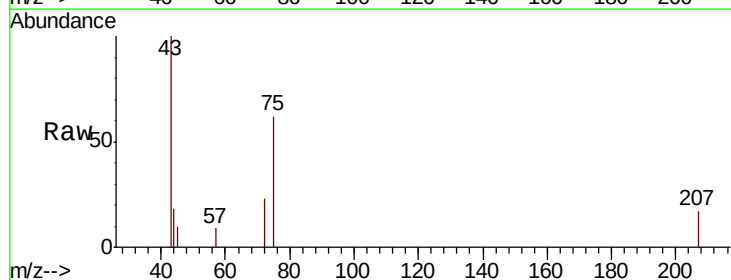
Acq: 2 Apr 2020 13:31

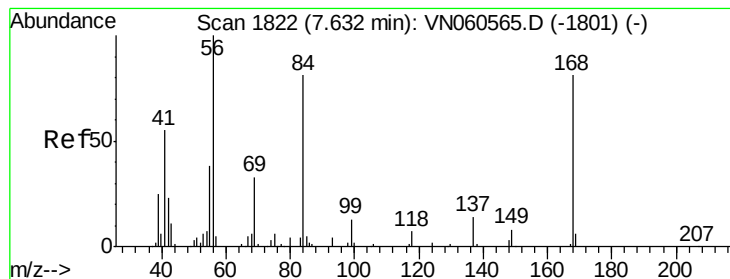
Tgt Ion: 43 Resp: 5910

Ion Ratio Lower Upper

43 100

72 23.3 20.4 30.6





#31

Cyclohexane

Concen: 0.929 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.01 min

Lab File: VN060819.D

Acq: 2 Apr 2020 13:31

Instrument :

MSVOA_N

ClientSampled :

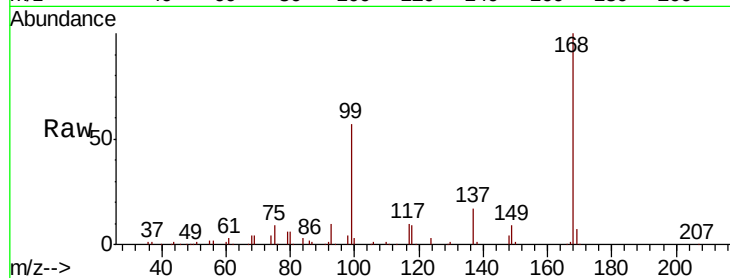
Tot Ion: 56 Resp: 4031

Ion Ratio Lower Upper

56 100

69 176.1 26.6 40.0#

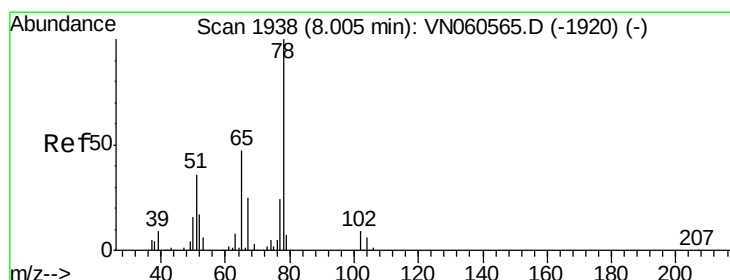
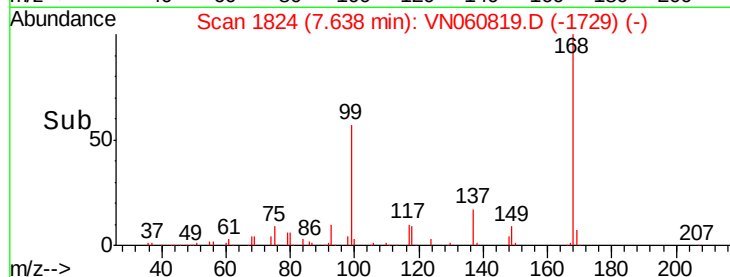
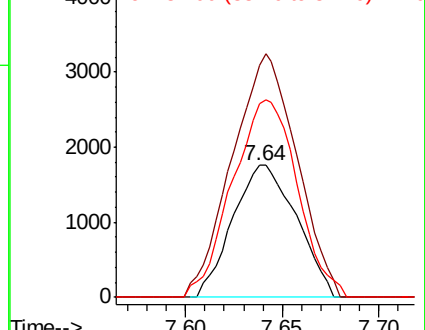
84 138.4 64.3 96.5#



Abundance Ion 56.00 (55.70 to 56.70): VN060819.D (-1801) (-)

Ion 69.00 (68.70 to 69.70): VN060819.D (-1801) (-)

Ion 84.00 (83.70 to 84.70): VN060819.D (-1801) (-)



#33

1,2-Dichloroethane-d4

Concen: 47.682 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060819.D

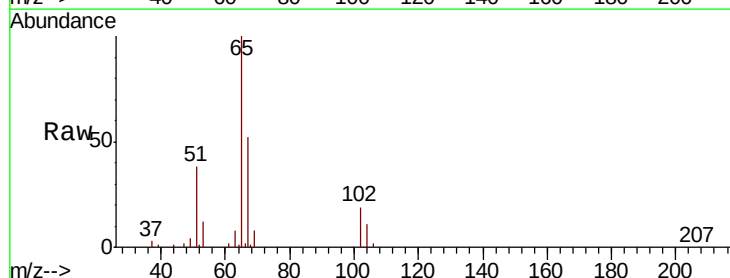
Acq: 2 Apr 2020 13:31

Tgt Ion: 65 Resp: 128489

Ion Ratio Lower Upper

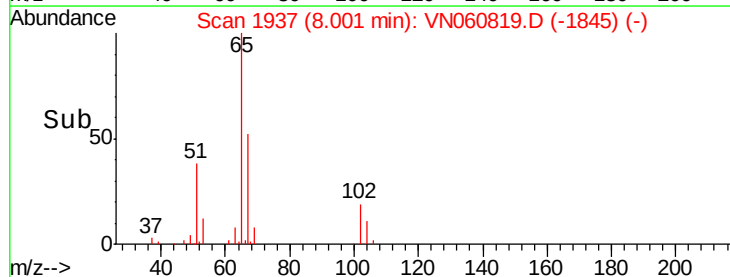
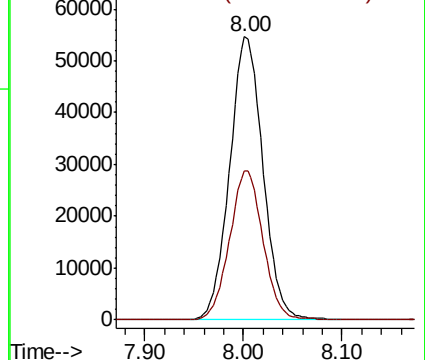
65 100

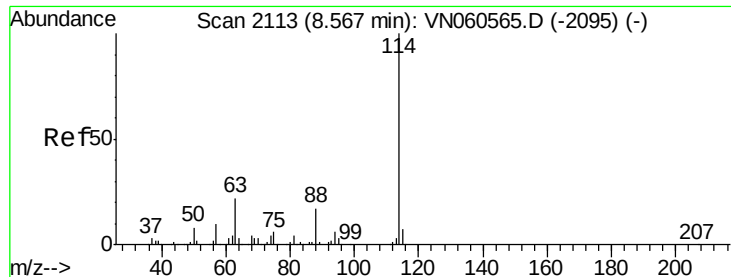
67 52.8 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN060819.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN060819.D (-1845) (-)

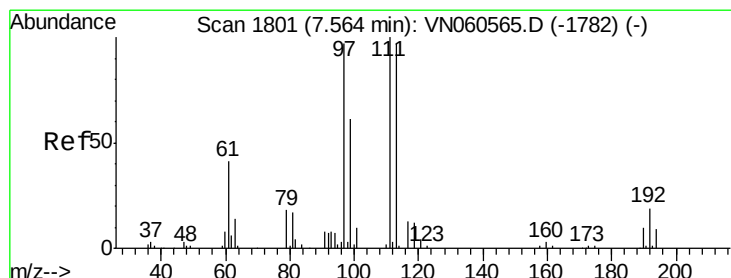
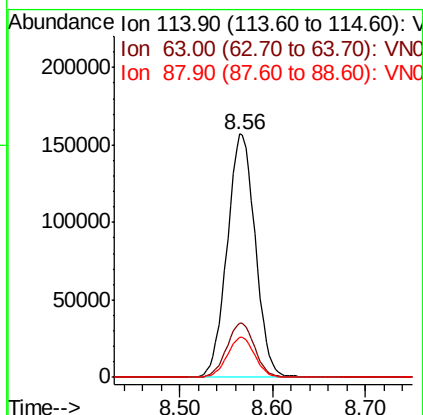
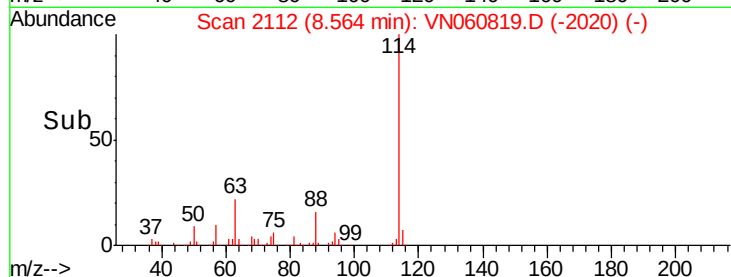
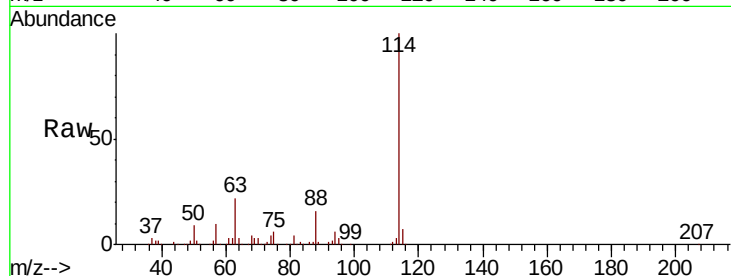




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.56 min Scan# 2112
Delta R.T. -0.00 min
Lab File: VN060819.D
Acq: 2 Apr 2020 13:31

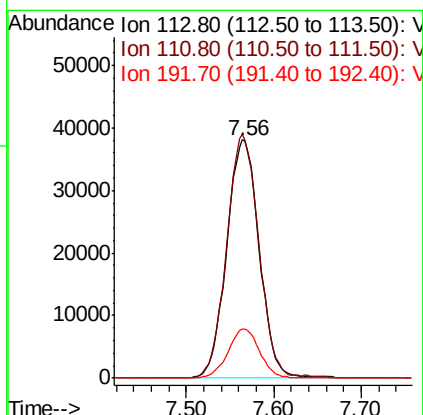
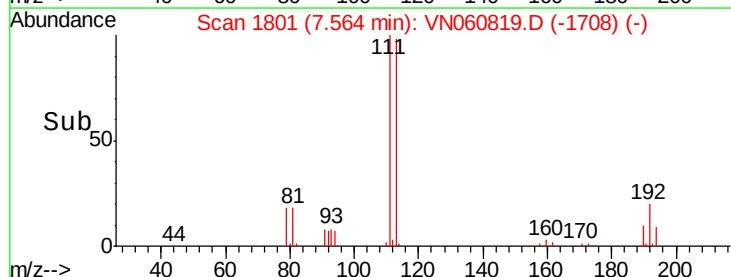
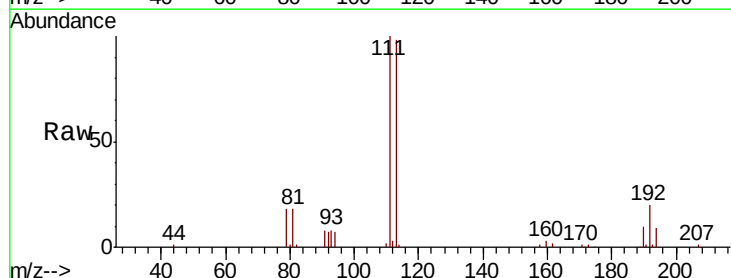
Instrument :
MSVOA_N
ClientSampleId :

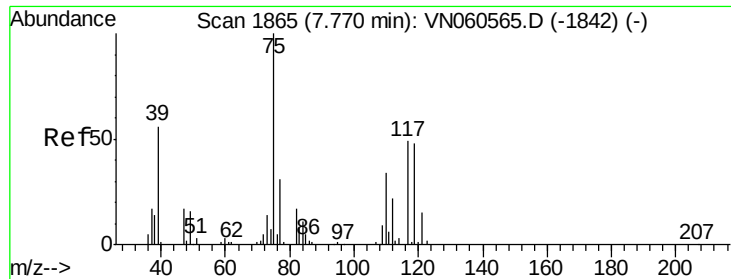
Tot Ion:114 Resp: 329575
Ion Ratio Lower Upper
114 100
63 22.2 0.0 43.8
88 16.3 0.0 33.0



#35
Dibromofluoromethane
Concen: 49.232 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN060819.D
Acq: 2 Apr 2020 13:31

Tgt Ion:113 Resp: 98112
Ion Ratio Lower Upper
113 100
111 100.8 82.9 124.3
192 20.0 15.8 23.8

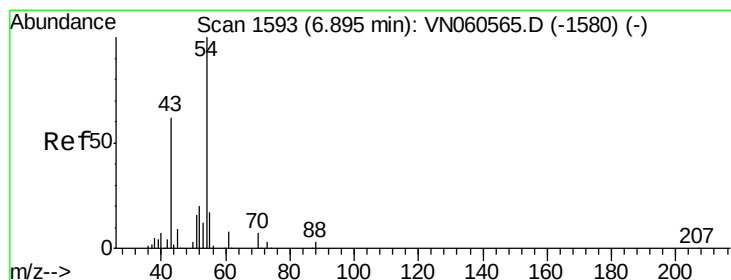
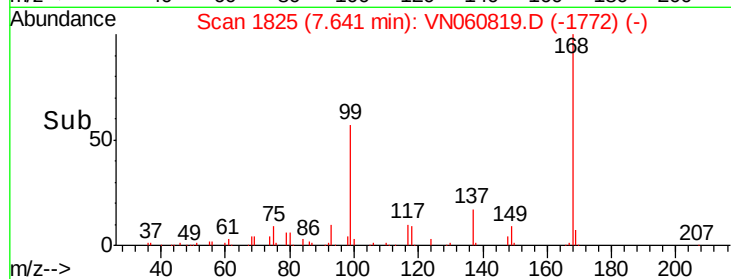
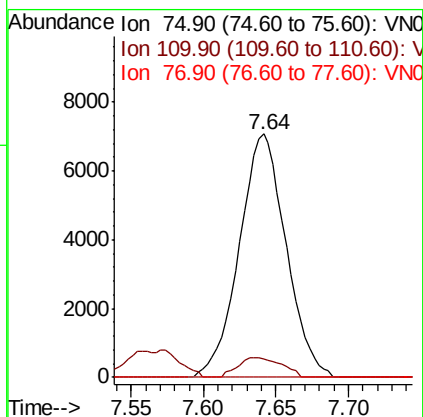
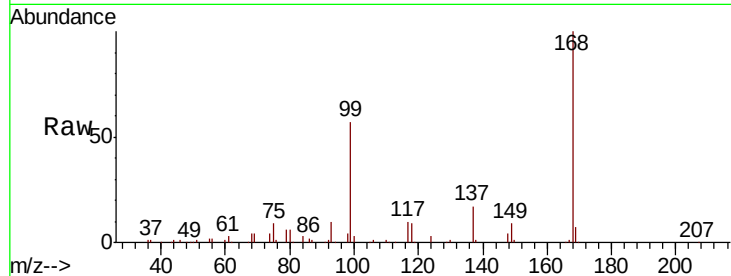




#36
 1,1-Dichloropropene
 Concen: 4.971 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060819.D
 Acq: 2 Apr 2020 13:31

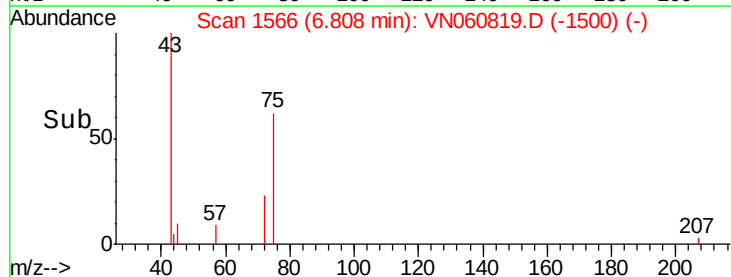
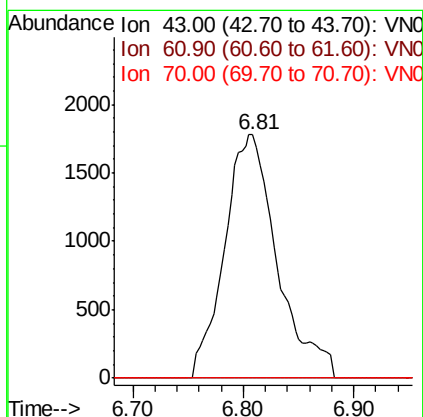
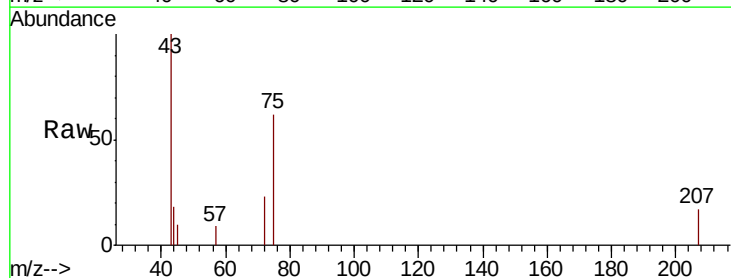
Instrument :
 MSVOA_N
 ClientSampleId :

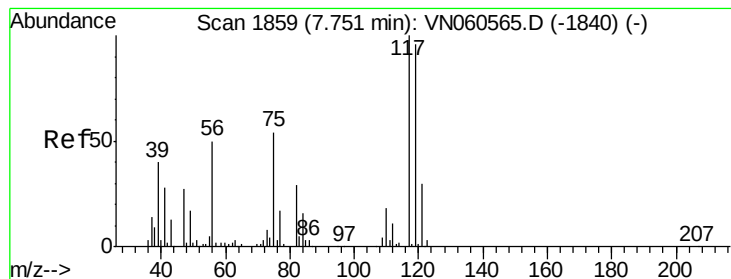
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.7	16.9	50.6#
77	0.0	24.6	36.8#



#37
 Ethyl Acetate
 Concen: 1.714 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.09 min
 Lab File: VN060819.D
 Acq: 2 Apr 2020 13:31

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.6	15.8#
70	0.0	7.9	11.9#





#38

Carbon Tetrachloride

Concen: 6.634 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060819.D

Acq: 2 Apr 2020 13:31

Instrument :

MSVOA_N

ClientSampled :

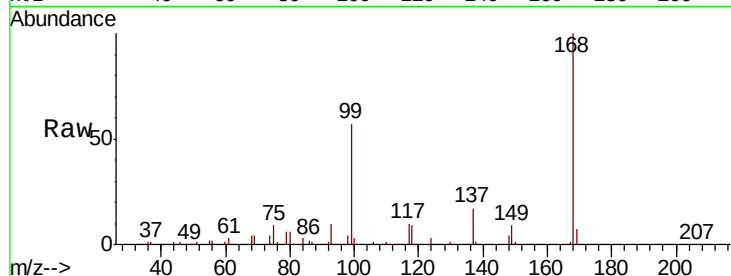
Tot Ion:117 Resp: 18976

Ion Ratio Lower Upper

117 100

119 4.3 76.2 114.2#

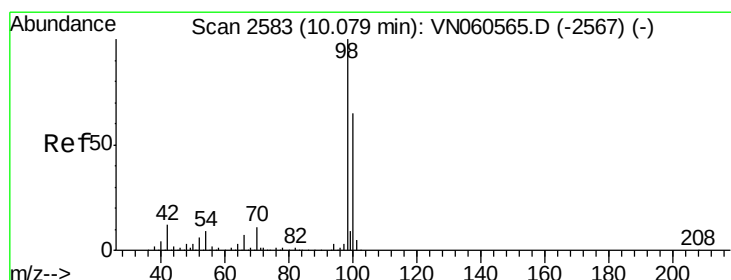
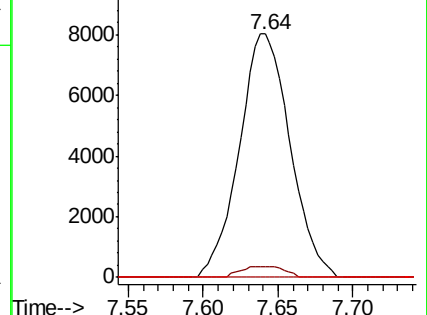
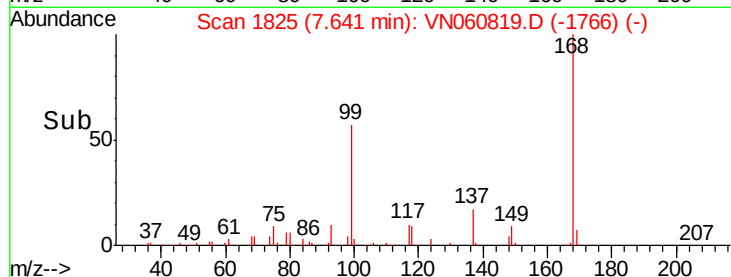
121 0.0 23.7 35.5#



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



#50

Toluene-d8

Concen: 49.868 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060819.D

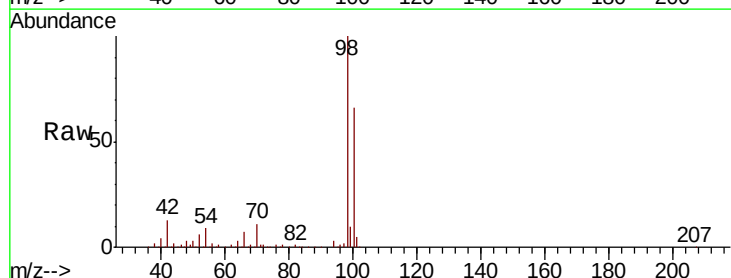
Acq: 2 Apr 2020 13:31

Tgt Ion: 98 Resp: 405926

Ion Ratio Lower Upper

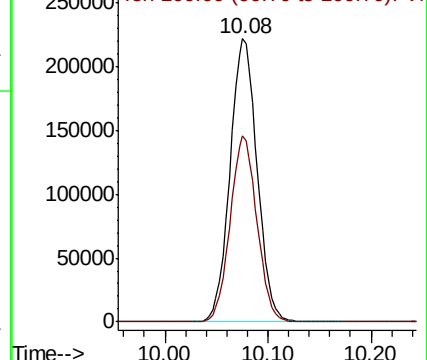
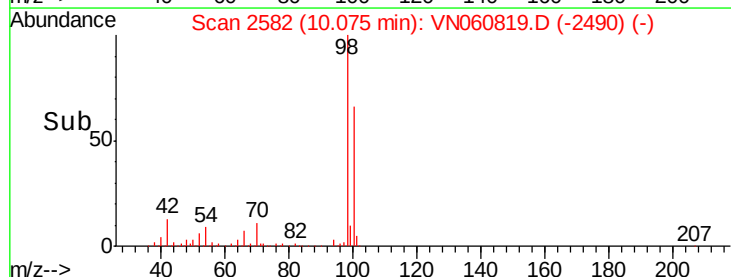
98 100

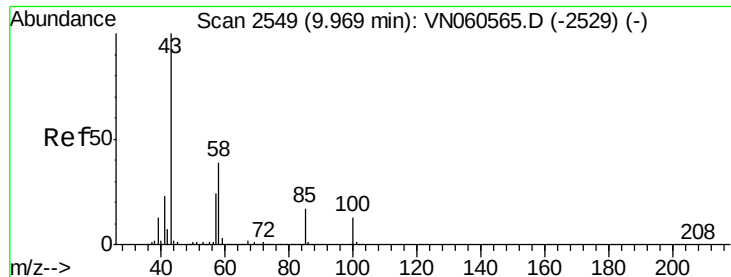
100 64.9 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

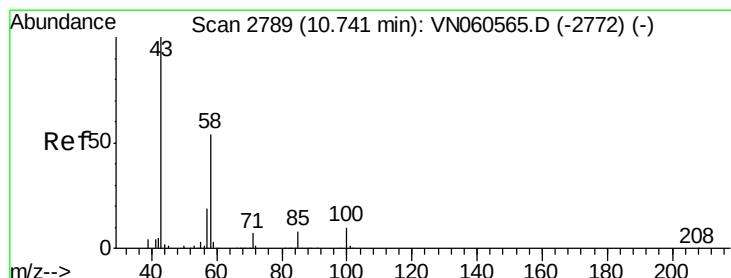
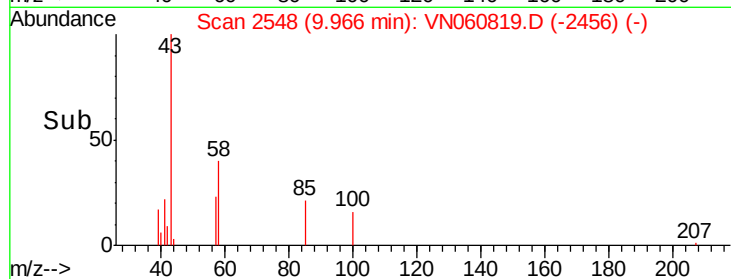
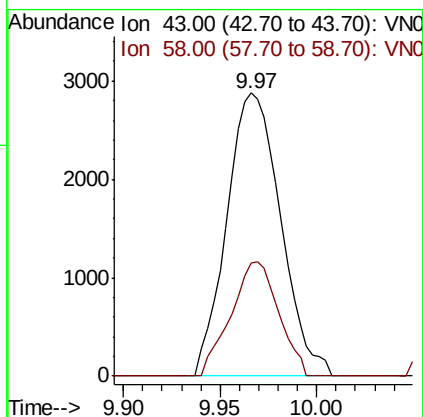
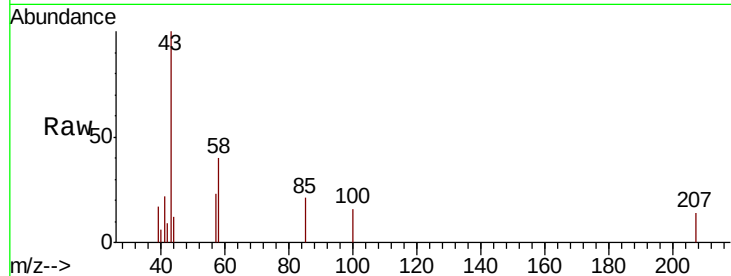




#51
 4-Methyl-2-Pentanone
 Concen: 1.723 ug/l
 RT: 9.97 min Scan# 2548
 Delta R.T. -0.00 min
 Lab File: VN060819.D
 Acq: 2 Apr 2020 13:31

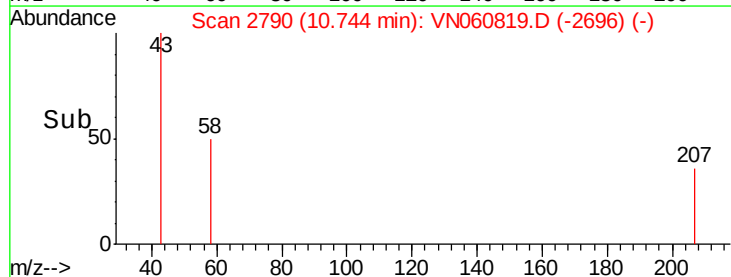
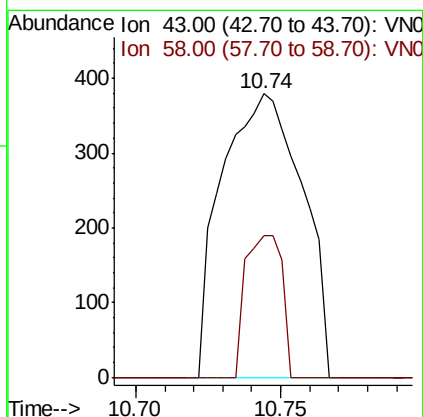
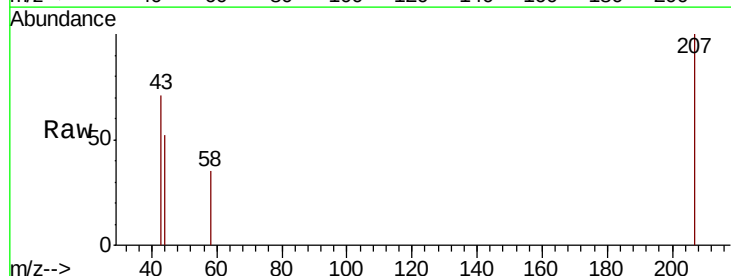
Instrument :
 MSVOA_N
 ClientSampled :

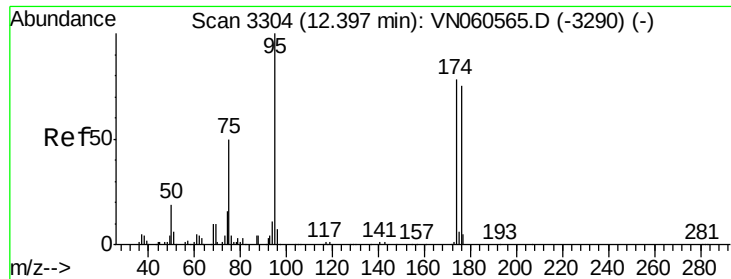
Tot Ion: 43 Resp: 5575
 Ion Ratio Lower Upper
 43 100
 58 35.9 30.8 46.2



#59
 2-Hexanone
 Concen: 0.314 ug/l
 RT: 10.74 min Scan# 2790
 Delta R.T. 0.00 min
 Lab File: VN060819.D
 Acq: 2 Apr 2020 13:31

Tgt Ion: 43 Resp: 733
 Ion Ratio Lower Upper
 43 100
 58 22.8 26.7 80.1#

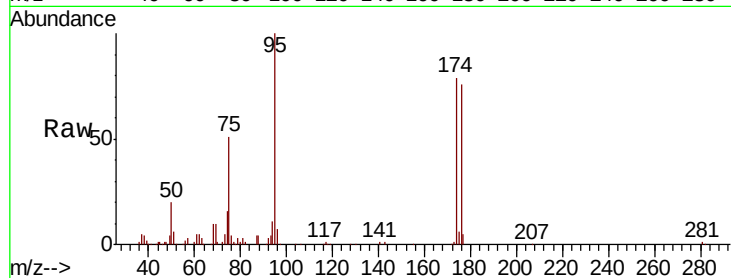




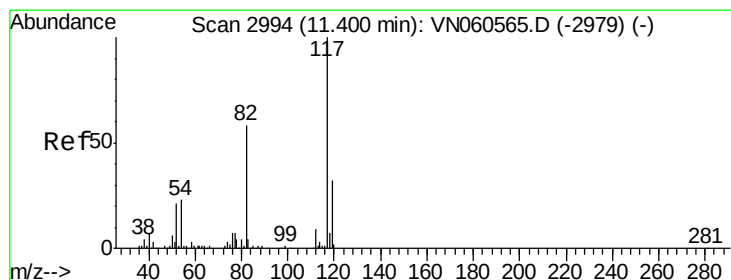
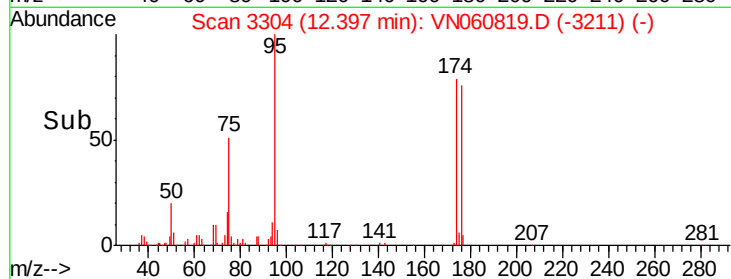
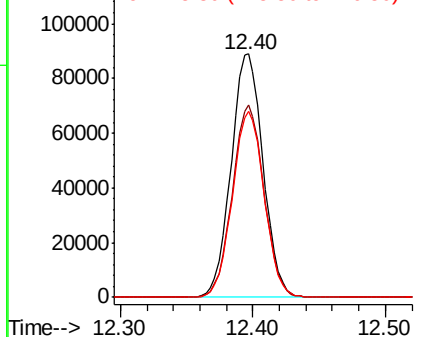
#62
4-Bromofluorobenzene
Concen: 49.788 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060819.D
Acq: 2 Apr 2020 13:31

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 95 Resp: 148528
Ion Ratio Lower Upper
95 100
174 78.3 0.0 157.6
176 76.0 0.0 150.6

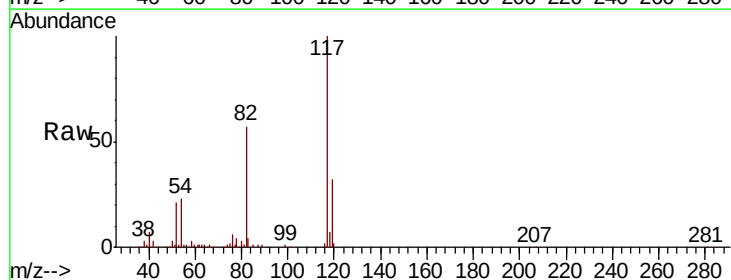


Abundance Ion 94.90 (94.60 to 95.60): VN060819.D (-3290) (-)
Ion 173.80 (173.50 to 174.50): VN060819.D (-3290) (-)
Ion 175.80 (175.50 to 176.50): VN060819.D (-3290) (-)

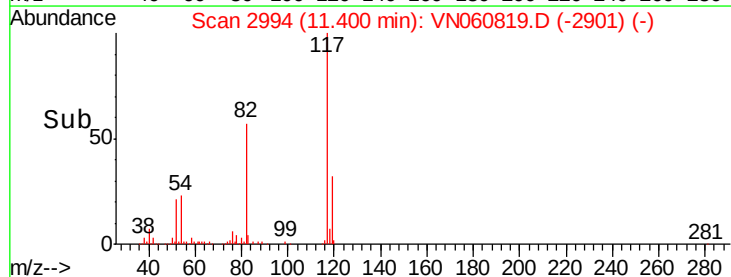
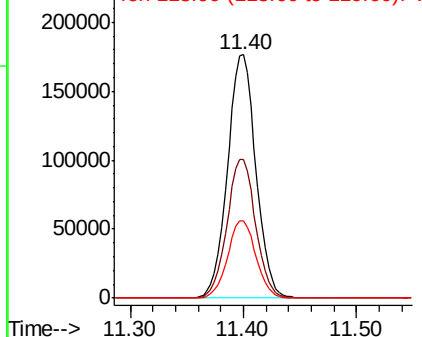


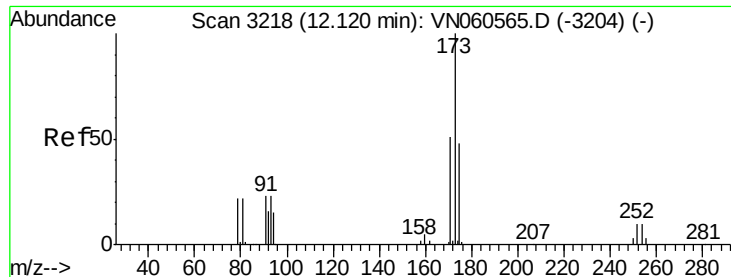
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060819.D
Acq: 2 Apr 2020 13:31

Tgt Ion: 117 Resp: 307376
Ion Ratio Lower Upper
117 100
82 57.0 46.7 70.1
119 31.7 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): VN060819.D (-2979) (-)
Ion 82.00 (81.70 to 82.70): VN060819.D (-2979) (-)
Ion 118.90 (118.60 to 119.60): VN060819.D (-2979) (-)





#71

Bromoform

Concen: 1.982 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.28 min

Lab File: VN060819.D

Acq: 2 Apr 2020 13:31

Instrument :

MSVOA_N

ClientSampleId :

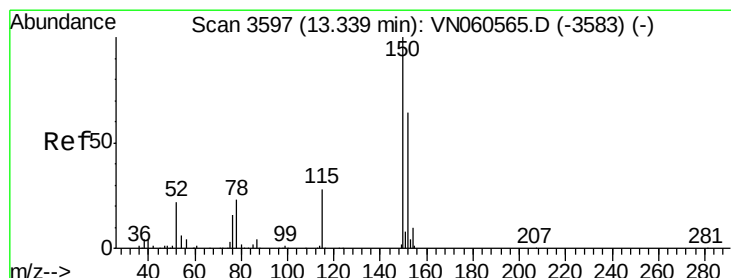
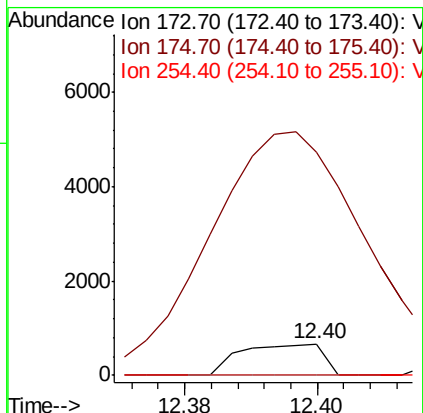
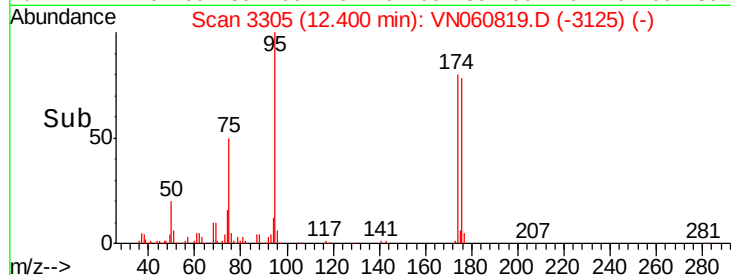
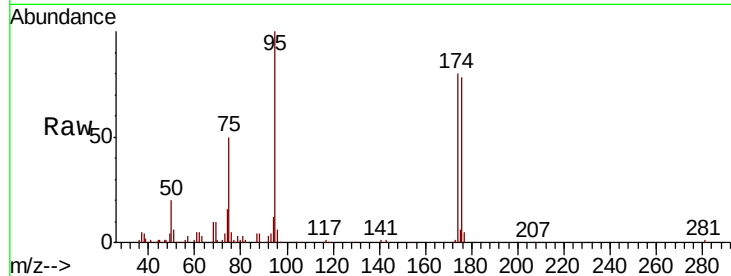
Tot Ion:173 Resp: 572

Ion Ratio Lower Upper

173 100

175 1294.1 24.1 72.4#

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: VN060819.D

Acq: 2 Apr 2020 13:31

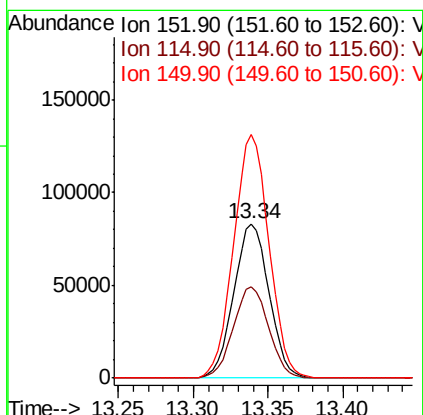
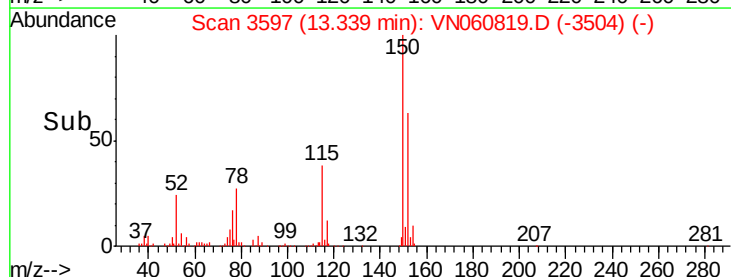
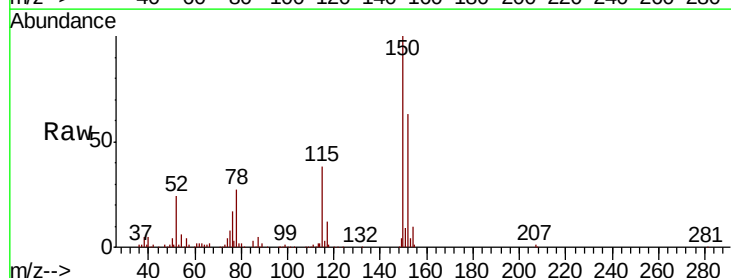
Tgt Ion:152 Resp: 136271

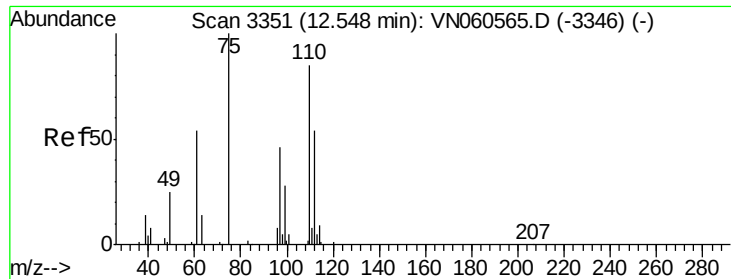
Ion Ratio Lower Upper

152 100

115 59.7 30.2 90.6

150 158.6 0.0 350.2





#76

1,2,3-Trichloropropane

Concen: 25.747 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.15 min

Lab File: VN060819.D

Acq: 2 Apr 2020 13:31

Instrument :

MSVOA_N

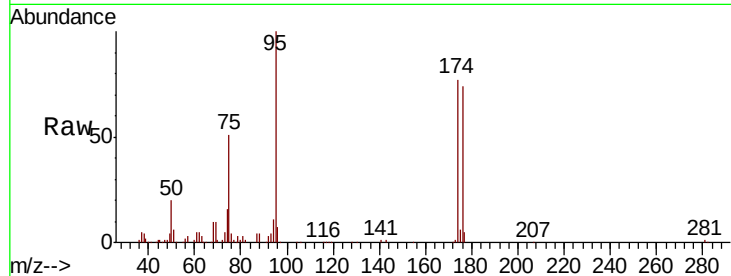
ClientSampled :

Tot Ion: 75 Resp: 75709

Ion Ratio Lower Upper

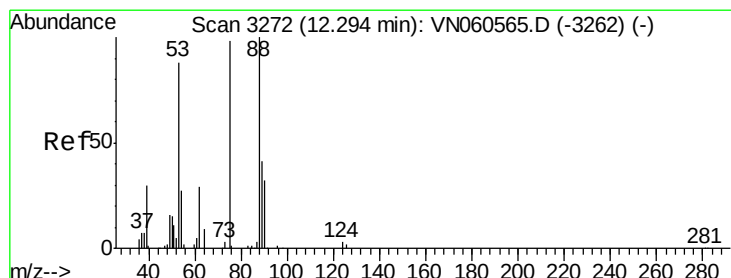
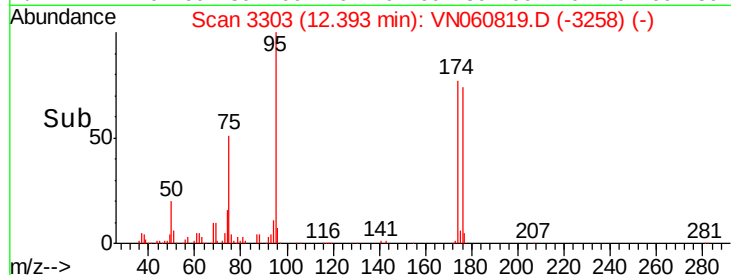
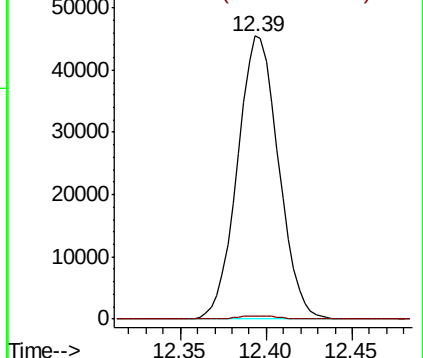
75 100

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: 66.127 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.10 min

Lab File: VN060819.D

Acq: 2 Apr 2020 13:31

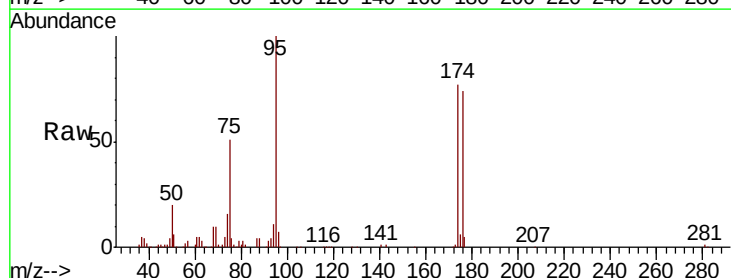
Tgt Ion: 75 Resp: 75709

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

