

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040220\
 Data File : VN060825.D
 Acq On : 2 Apr 2020 16:09
 Operator : JC/MD
 Sample : L2126-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

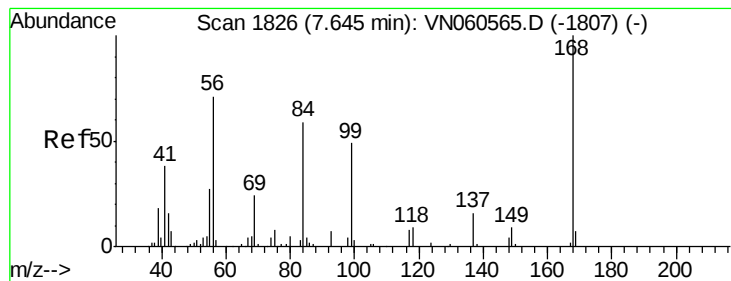
Quant Time: Apr 03 07:43:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	205779	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	343697	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	324674	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	146547	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	133818	47.37	ug/l	0.00
Spiked Amount			Recovery	=	94.74%	
35) Dibromofluoromethane	7.56	113	103186	49.65	ug/l	0.00
Spiked Amount			Recovery	=	99.30%	
50) Toluene-d8	10.08	98	424407	50.00	ug/l	0.00
Spiked Amount			Recovery	=	100.00%	
62) 4-Bromofluorobenzene	12.40	95	160697	51.65	ug/l	0.00
Spiked Amount			Recovery	=	103.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	894	0.240	ug/l	89
16) Acetone	3.79	43	2707	2.705	ug/l	95
17) Carbon Disulfide	4.03	76	1833	0.271	ug/l #	75
30) Chloroform	7.35	83	1151	0.266	ug/l	89
31) Cyclohexane	7.64	56	4200	0.923	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15872	4.769	ug/l #	50
38) Carbon Tetrachloride	7.64	117	19544	6.552	ug/l #	16
51) 4-Methyl-2-Pentanone	10.08	43	1935	0.573	ug/l #	1
59) 2-Hexanone	10.76	43	492	0.202	ug/l #	25
60) Dibromochloromethane	10.90	129	783	0.325	ug/l	92
71) Bromoform	12.12	173	211	1.786	ug/l #	29
76) 1,2,3-Trichloropropane	12.40	75	78653	24.873	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	78653	63.881	ug/l #	13

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060825.D

Acq: 2 Apr 2020 16:09

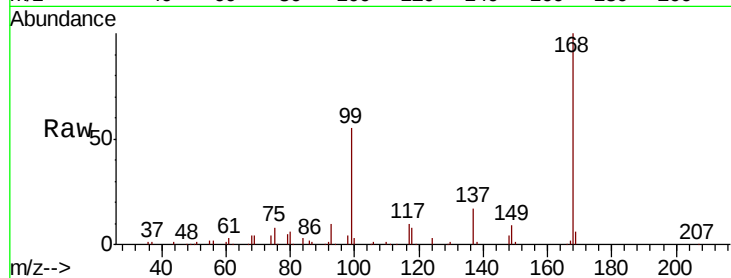
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 205779

Ion Ratio Lower Upper

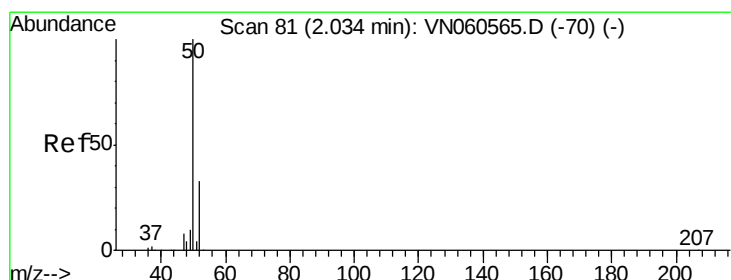
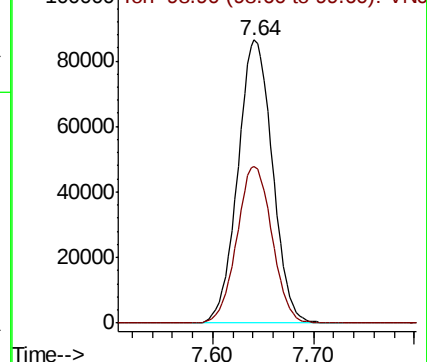
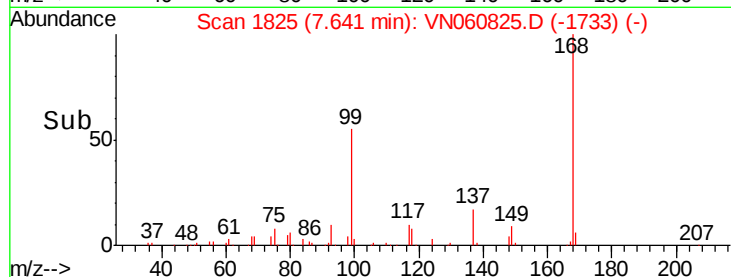
168 100

99 55.3 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VN060825.D (-1733) (-)

Ion 98.90 (98.60 to 99.60): VN060825.D (-1733) (-)



#3

Chloromethane

Concen: 0.240 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060825.D

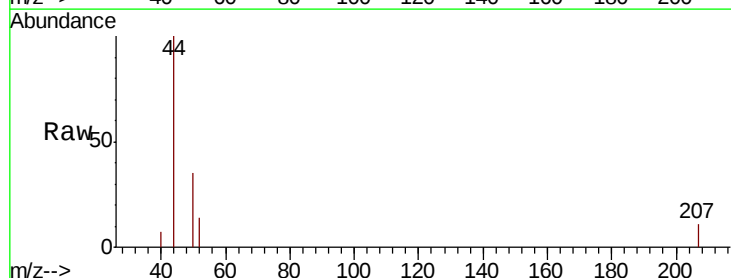
Acq: 2 Apr 2020 16:09

Tgt Ion: 50 Resp: 894

Ion Ratio Lower Upper

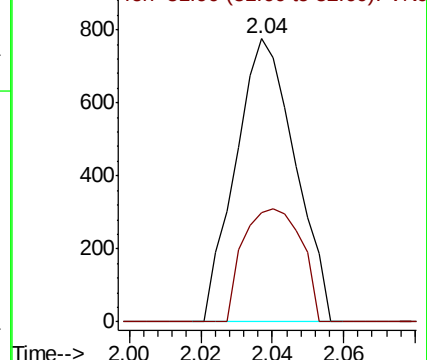
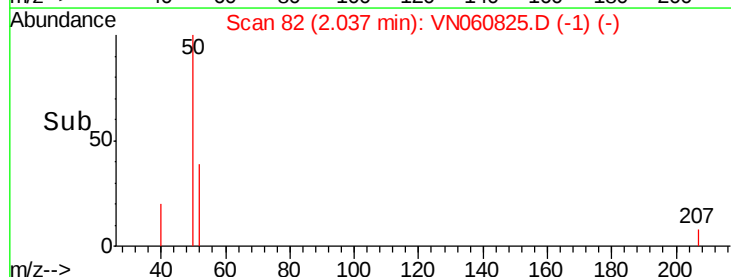
50 100

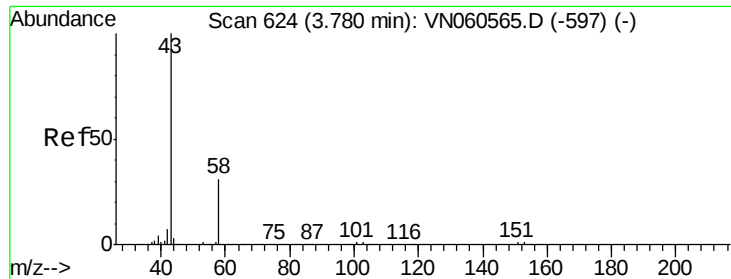
52 38.7 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VN060825.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN060825.D (-1) (-)

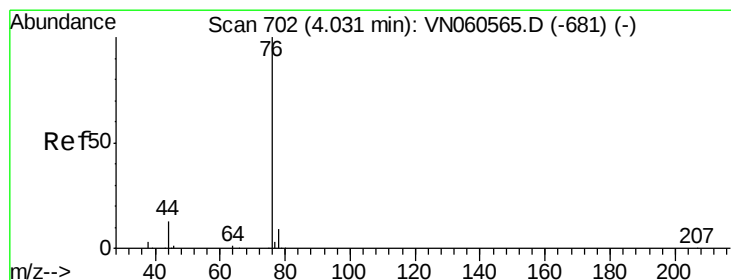
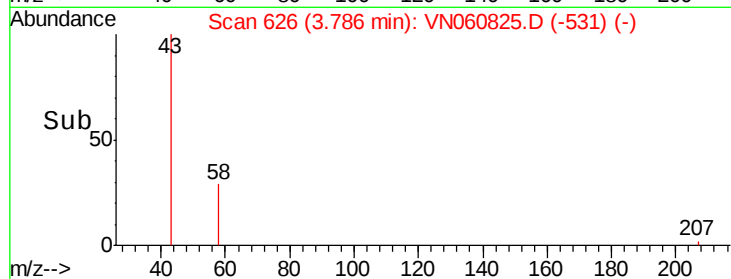
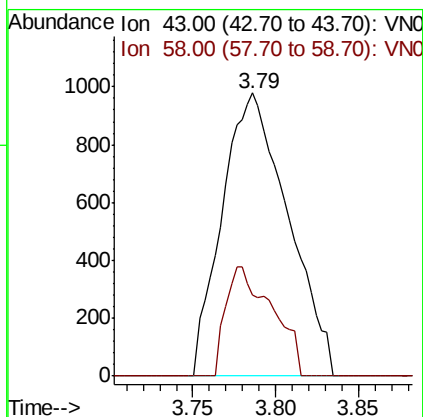
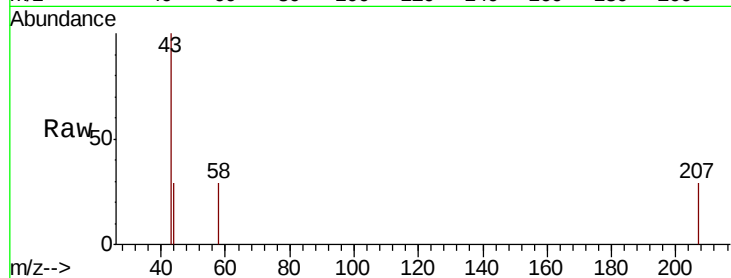




#16
Acetone
Concen: 2.705 ug/l
RT: 3.79 min Scan# 626
Delta R.T. 0.01 min
Lab File: VN060825.D
Acq: 2 Apr 2020 16:09

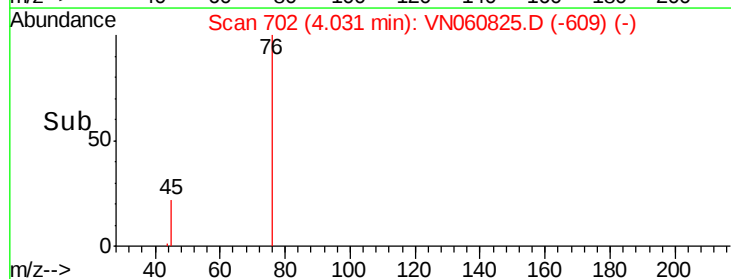
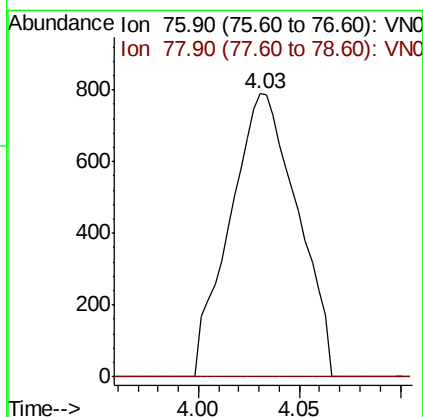
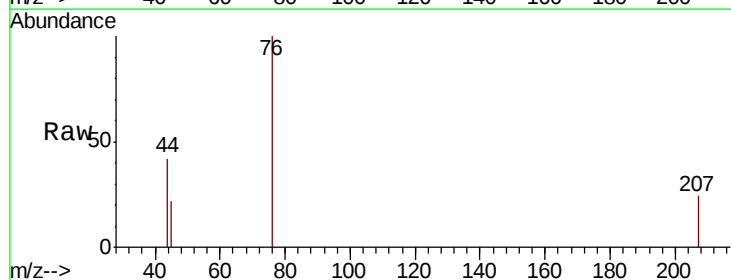
Instrument :
MSVOA_N
ClientSampled :

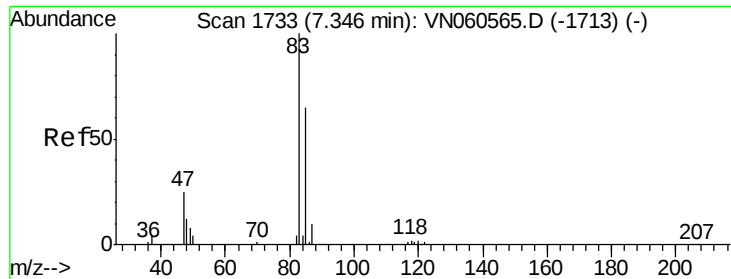
Tot Ion: 43 Resp: 2707
Ion Ratio Lower Upper
43 100
58 28.6 25.1 37.7



#17
Carbon Disulfide
Concen: 0.271 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN060825.D
Acq: 2 Apr 2020 16:09

Tgt Ion: 76 Resp: 1833
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

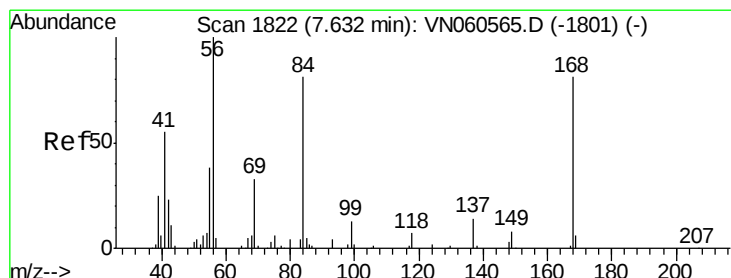
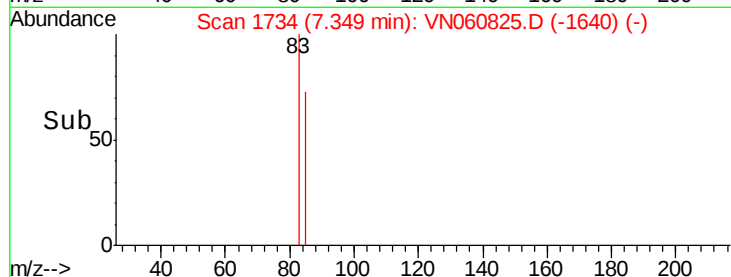
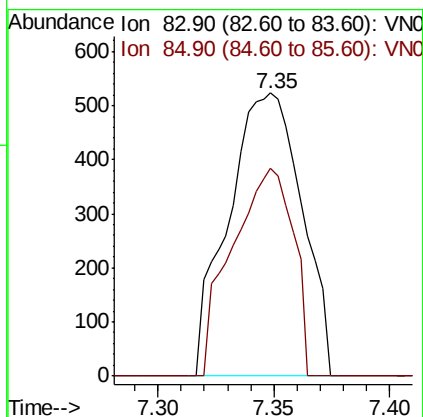
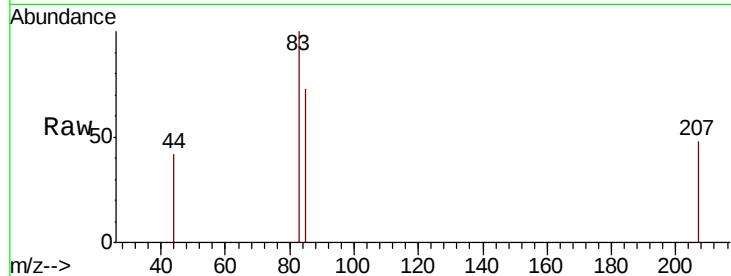




#30
Chloroform
Concen: 0.266 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN060825.D
Acq: 2 Apr 2020 16:09

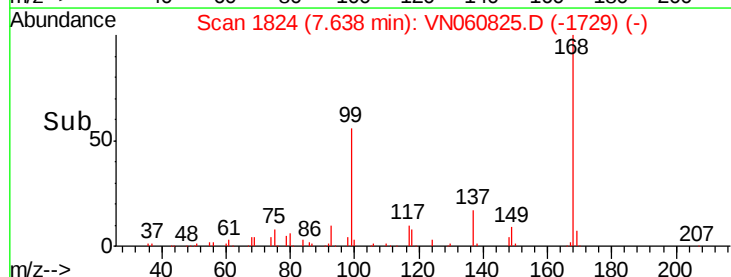
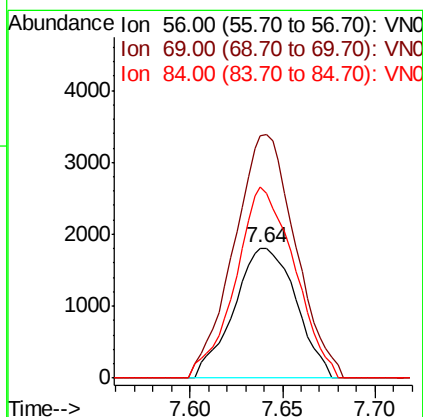
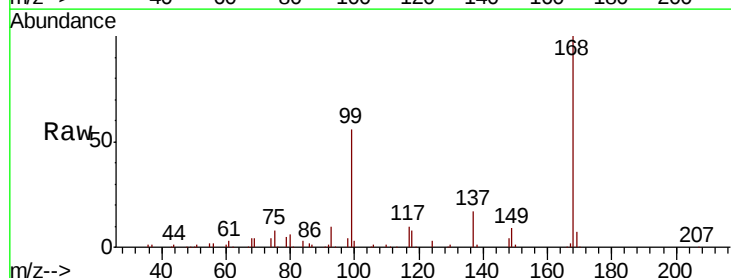
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 1151
Ion Ratio Lower Upper
83 100
85 73.4 51.8 77.8



#31
Cyclohexane
Concen: 0.923 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VN060825.D
Acq: 2 Apr 2020 16:09

Tgt Ion: 56 Resp: 4200
Ion Ratio Lower Upper
56 100
69 186.1 26.6 40.0#
84 147.3 64.3 96.5#

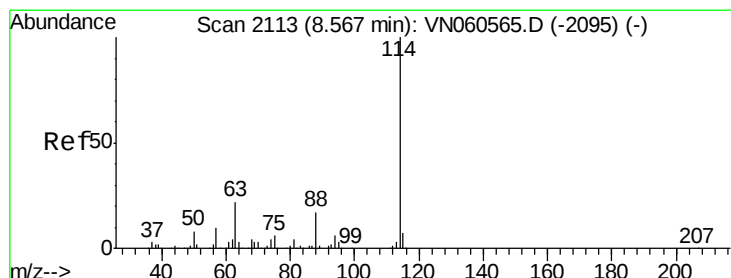
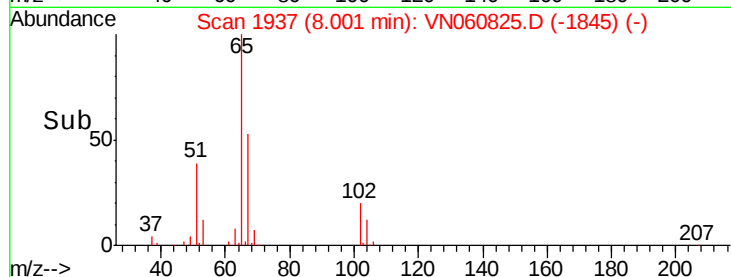
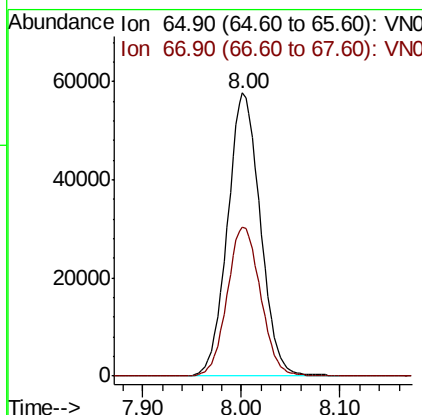
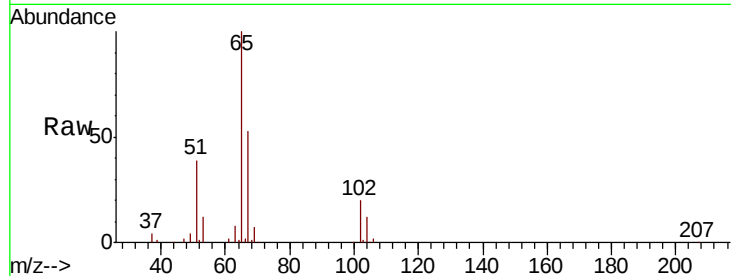




#33
 1,2-Dichloroethane-d4
 Concen: 47.371 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060825.D
 Acq: 2 Apr 2020 16:09

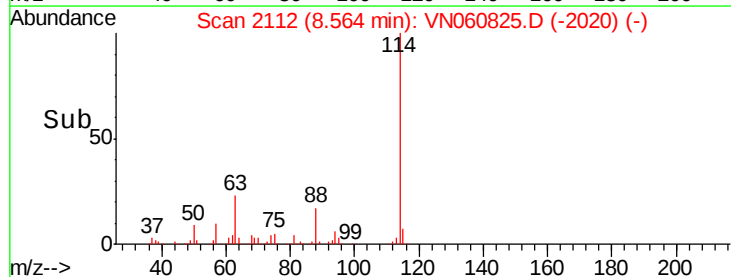
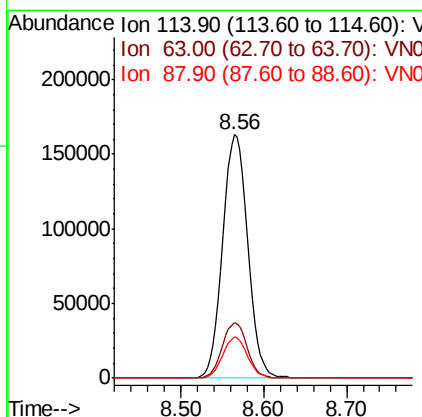
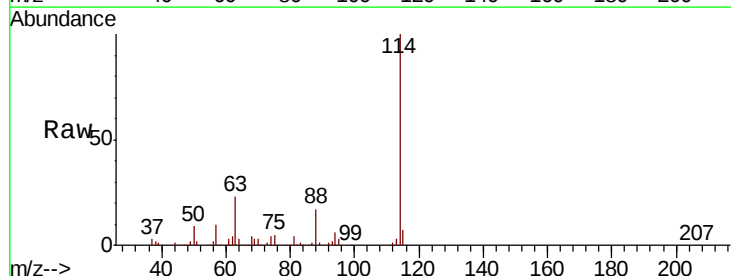
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 65 Resp: 133818
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060825.D
 Acq: 2 Apr 2020 16:09

Tgt Ion: 114 Resp: 343697
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 43.8
 88 16.9 0.0 33.0

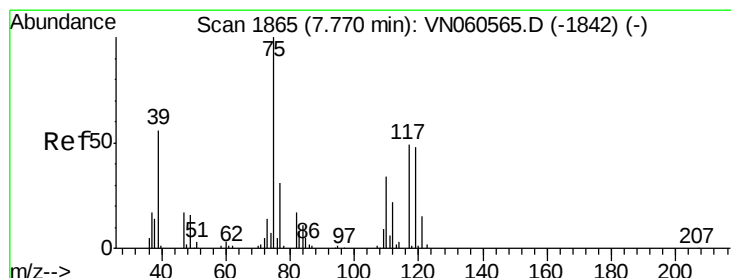
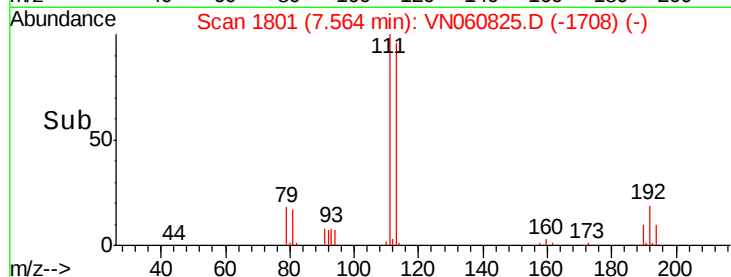
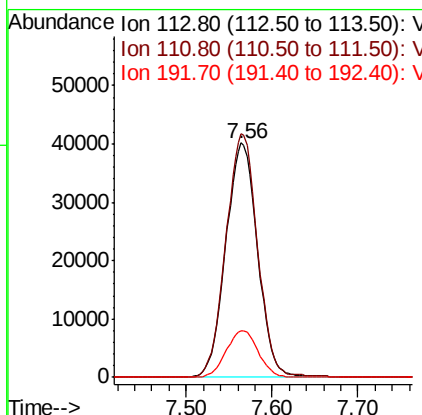
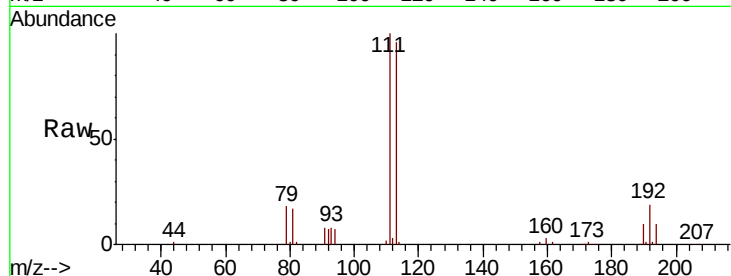




#35
 Dibromofluoromethane
 Concen: 49.651 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060825.D
 Acq: 2 Apr 2020 16:09

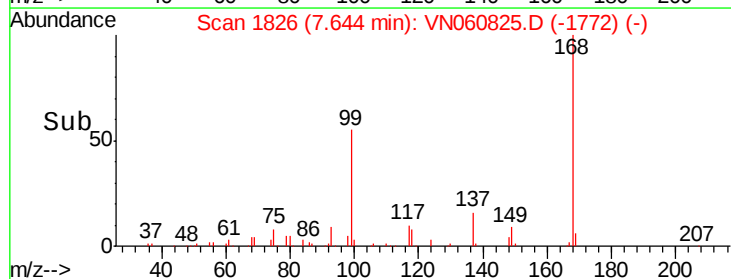
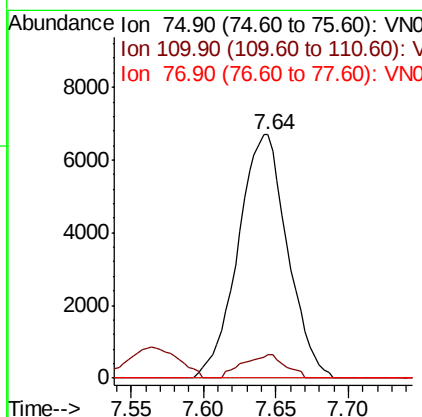
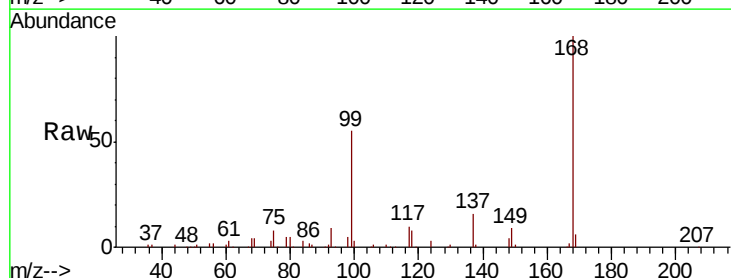
Instrument :
 MSVOA_N
 ClientSampleId :

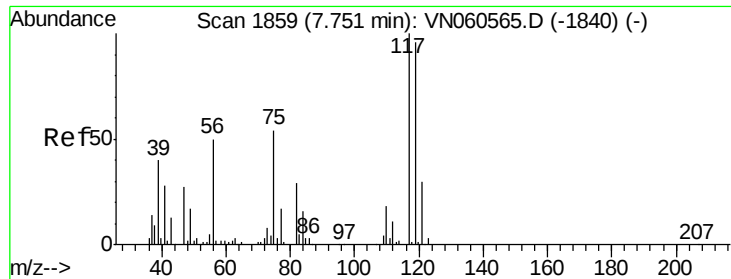
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.9	124.3
192	20.0	15.8	23.8



#36
 1,1-Dichloropropene
 Concen: 4.769 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN060825.D
 Acq: 2 Apr 2020 16:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	16.9	50.6#
77	0.0	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 6.552 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060825.D

Acq: 2 Apr 2020 16:09

Instrument :

MSVOA_N

ClientSampled :

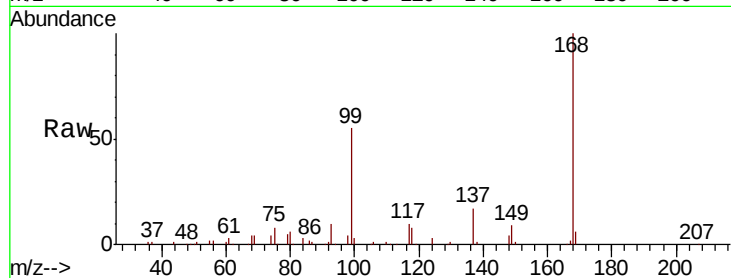
Tot Ion:117 Resp: 19544

Ion Ratio Lower Upper

117 100

119 4.7 76.2 114.2#

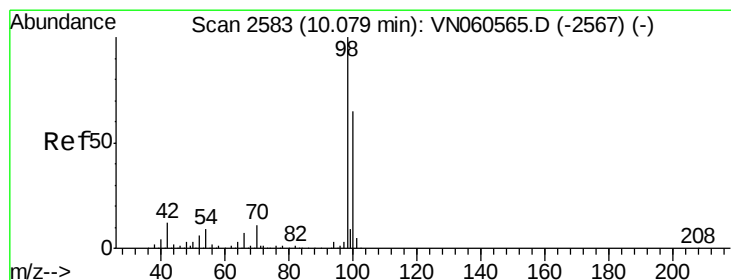
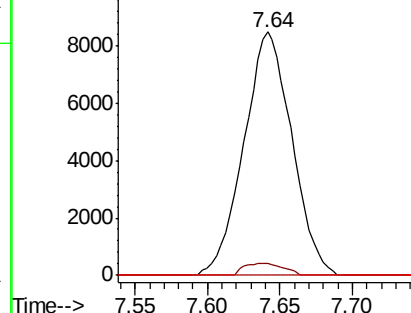
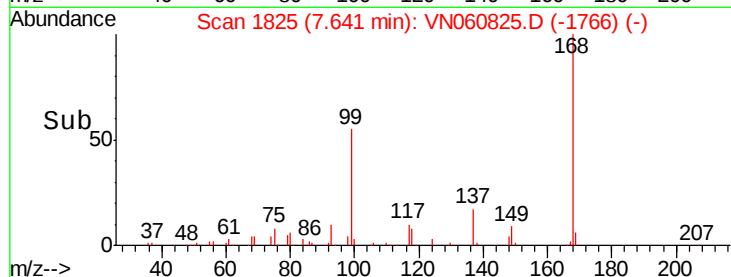
121 0.0 23.7 35.5#



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: 49.996 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060825.D

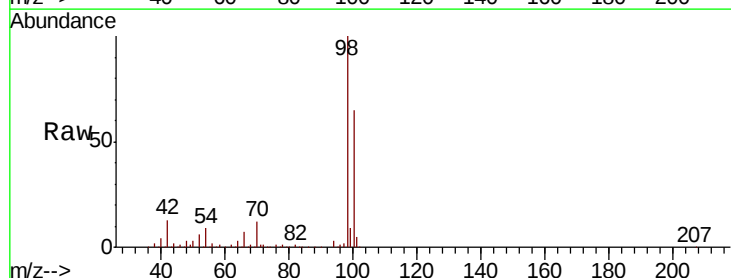
Acq: 2 Apr 2020 16:09

Tgt Ion: 98 Resp: 424407

Ion Ratio Lower Upper

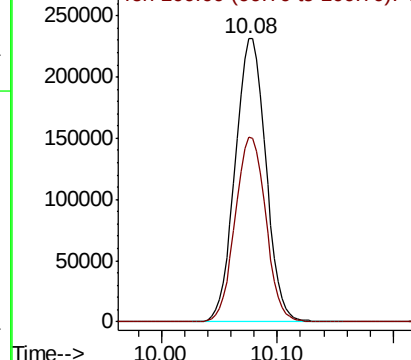
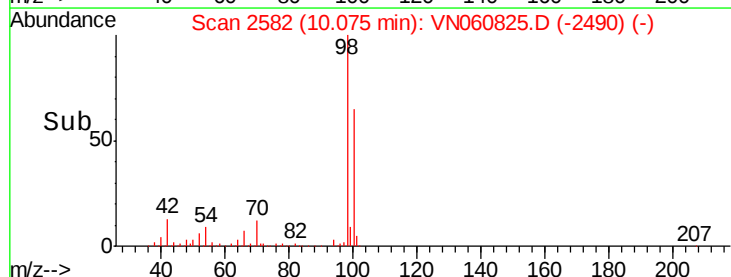
98 100

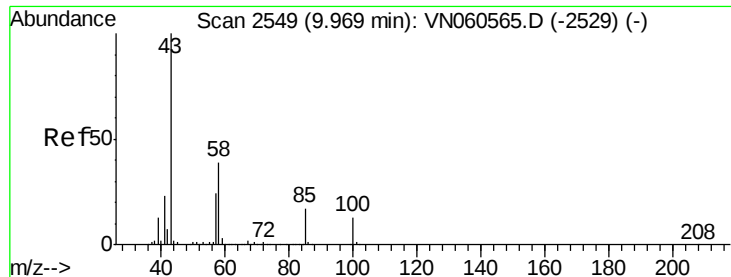
100 65.3 51.8 77.8



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: 0.573 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. 0.11 min

Lab File: VN060825.D

Acq: 2 Apr 2020 16:09

Instrument :

MSVOA_N

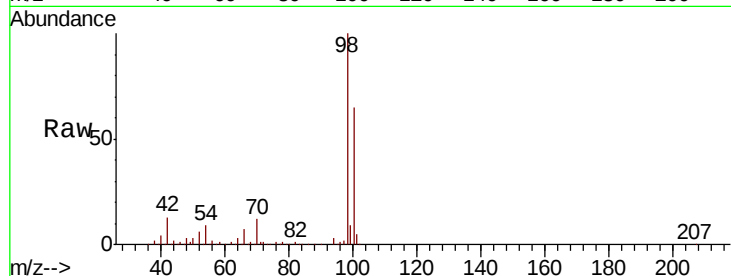
ClientSampled :

Tot Ion: 43 Resp: 1935

Ion Ratio Lower Upper

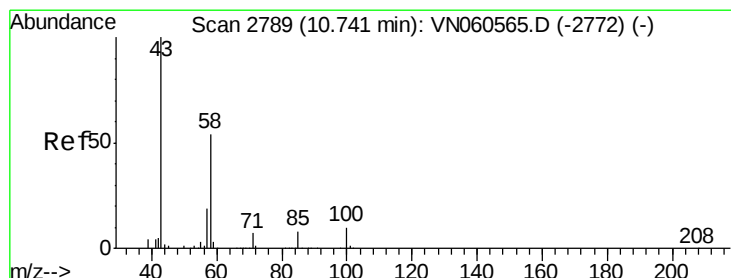
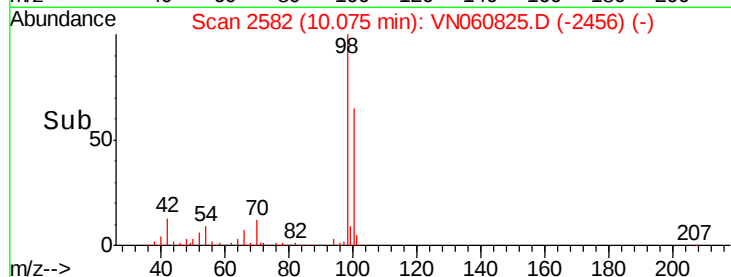
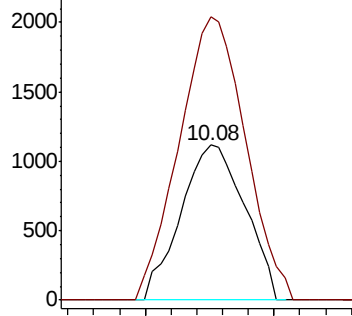
43 100

58 188.7 30.8 46.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#59

2-Hexanone

Concen: 0.202 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.02 min

Lab File: VN060825.D

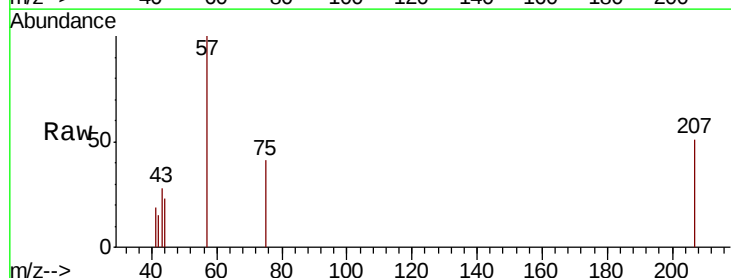
Acq: 2 Apr 2020 16:09

Tgt Ion: 43 Resp: 492

Ion Ratio Lower Upper

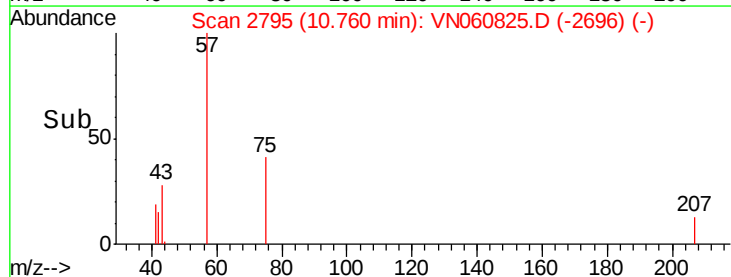
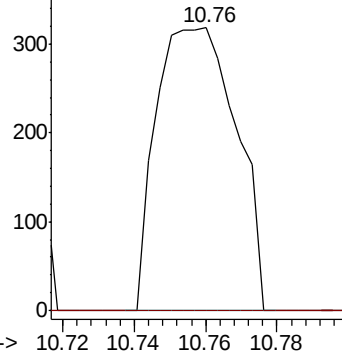
43 100

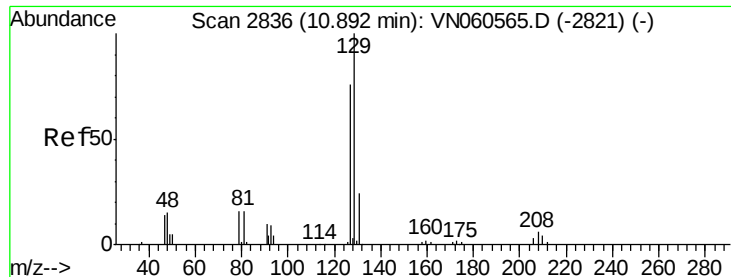
58 0.0 26.7 80.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#60

Dibromochloromethane

Concen: 0.325 ug/l

RT: 10.90 min Scan# 2837

Delta R.T. 0.00 min

Lab File: VN060825.D

Acq: 2 Apr 2020 16:09

Instrument :

MSVOA_N

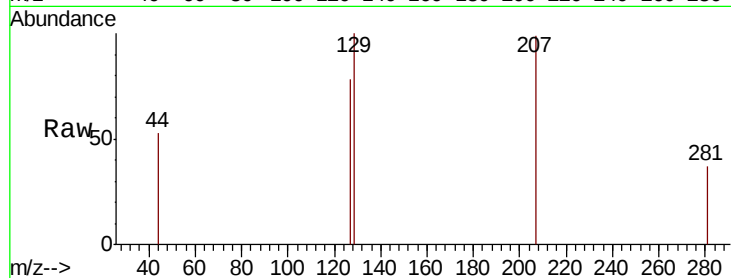
ClientSampleId :

Tot Ion:129 Resp: 783

Ion Ratio Lower Upper

129 100

127 70.0 38.5 115.5



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.90

400

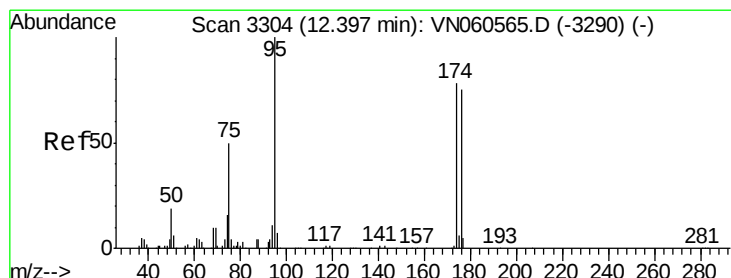
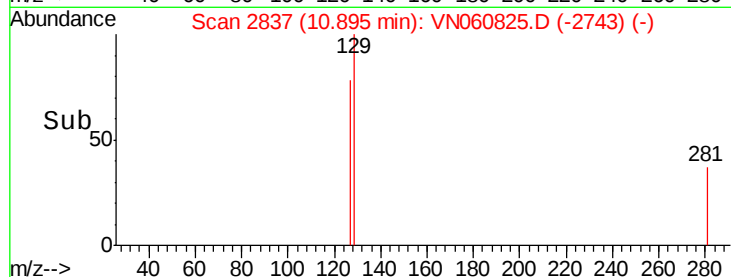
300

200

100

0

Time--> 10.85 10.90



#62

4-Bromofluorobenzene

Concen: 51.654 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060825.D

Acq: 2 Apr 2020 16:09

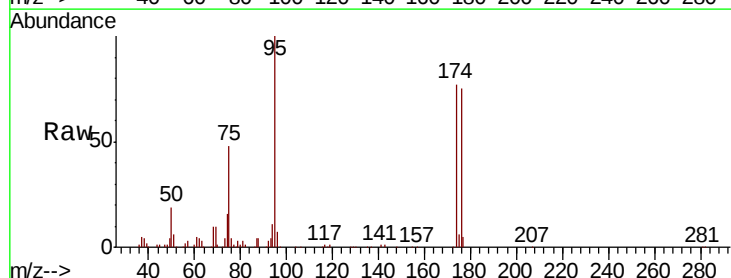
Tgt Ion: 95 Resp: 160697

Ion Ratio Lower Upper

95 100

174 77.2 0.0 157.6

176 75.4 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

100000

80000

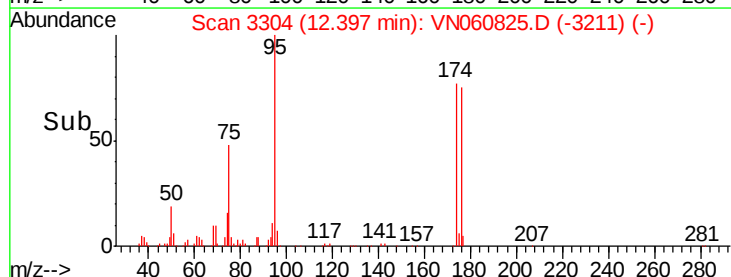
60000

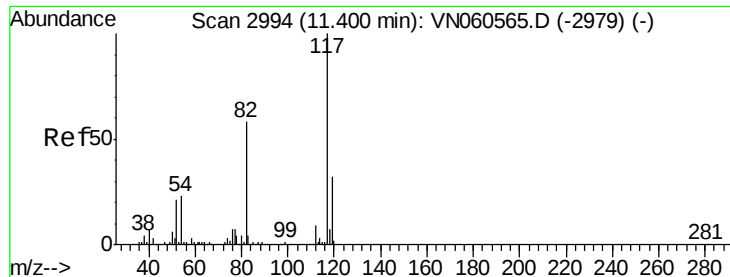
40000

20000

0

Time--> 12.30 12.35 12.40 12.45

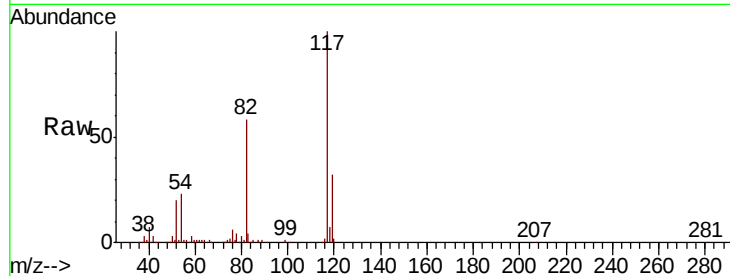




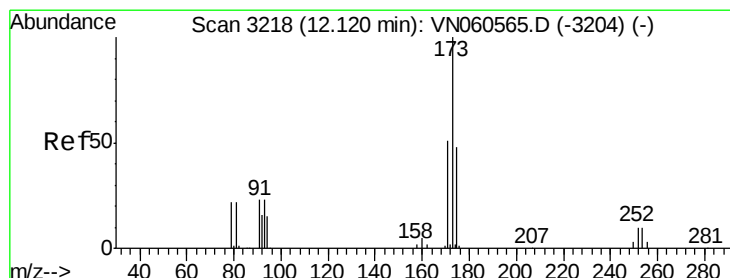
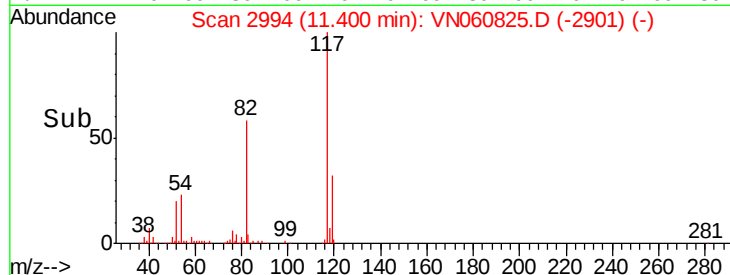
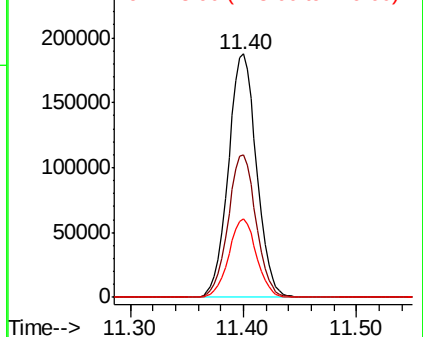
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060825.D
Acq: 2 Apr 2020 16:09

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 324674
Ion Ratio Lower Upper
117 100
82 58.4 46.7 70.1
119 32.2 25.5 38.3

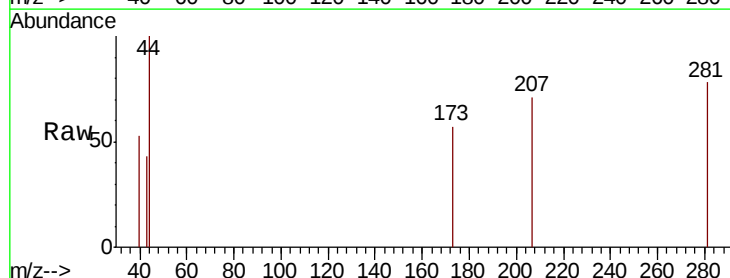


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

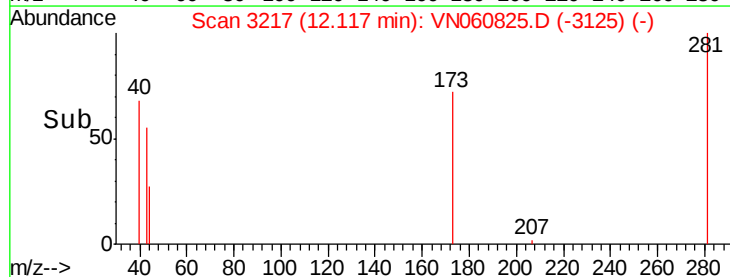
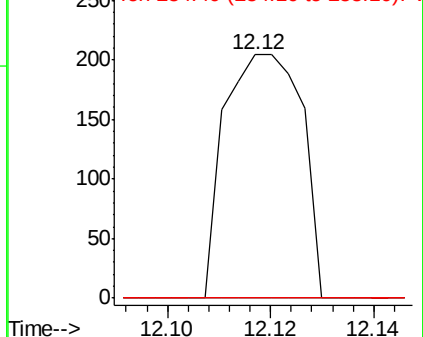


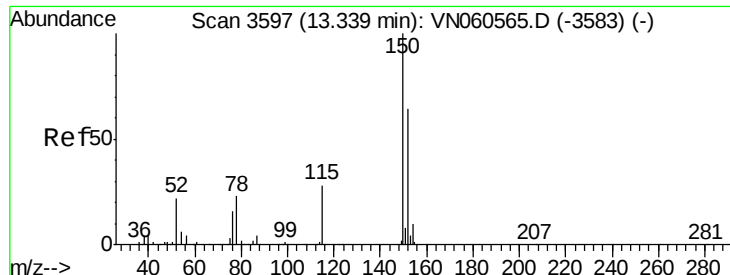
#71
Bromoform
Concen: 1.786 ug/l
RT: 12.12 min Scan# 3217
Delta R.T. -0.00 min
Lab File: VN060825.D
Acq: 2 Apr 2020 16:09

Tgt Ion:173 Resp: 211
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.4#
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



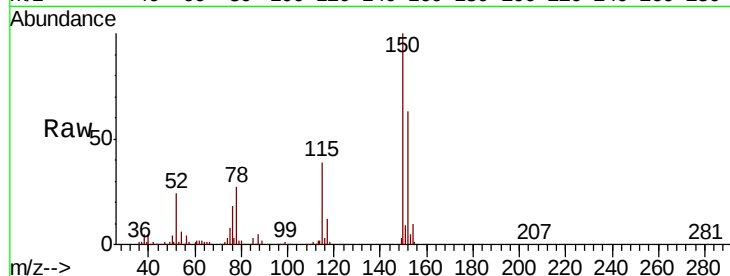


#72

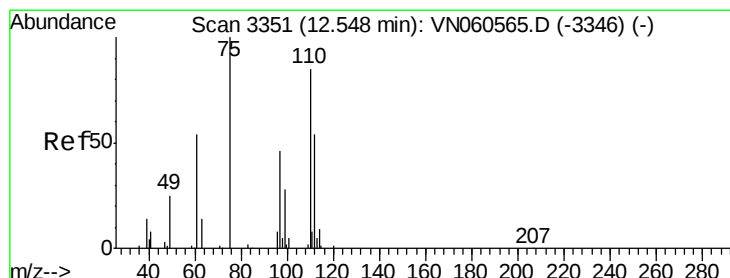
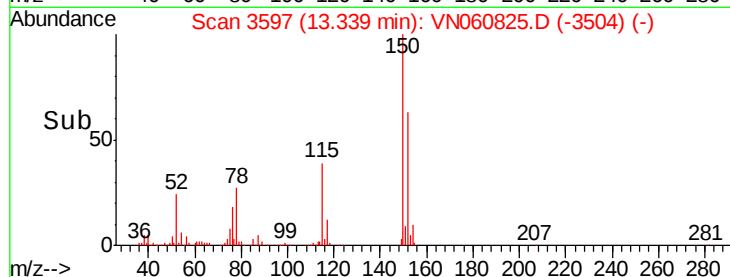
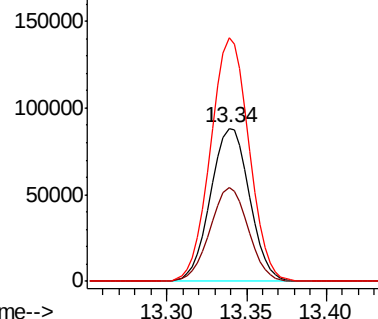
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060825.D
Acq: 2 Apr 2020 16:09

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.0	30.2	90.6
150	156.5	0.0	350.2



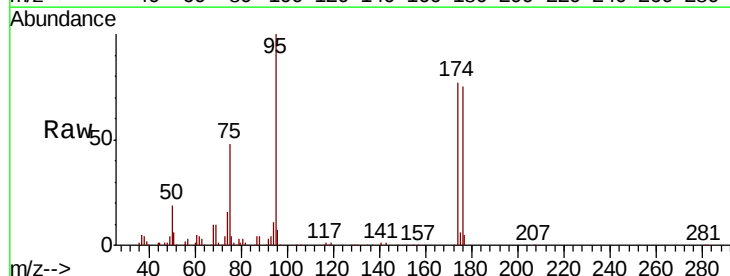
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



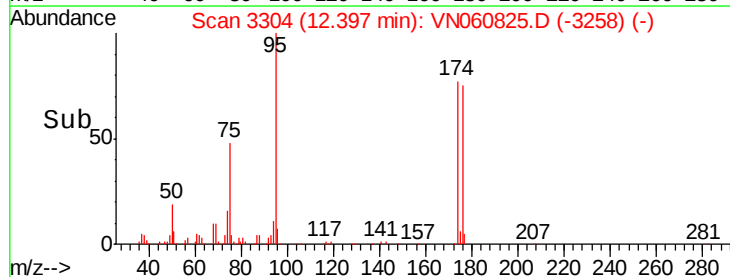
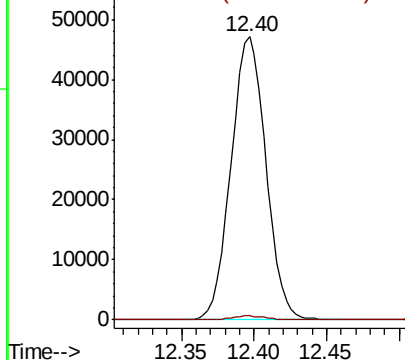
#76

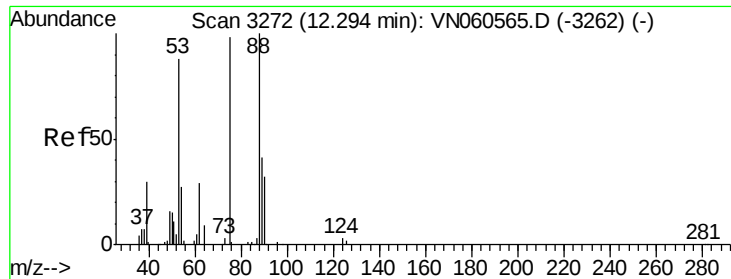
1,2,3-Trichloropropane
Concen: 24.873 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.15 min
Lab File: VN060825.D
Acq: 2 Apr 2020 16:09

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.2	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: 63.881 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN060825.D
 Acq: 2 Apr 2020 16:09

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 75 Resp: 78653
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.0 109.4#
 89 0.0 34.8 52.2#

