

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040120\
 Data File : VN060805.D
 Acq On : 1 Apr 2020 12:38
 Operator : JC/MD
 Sample : VN0401WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401WBL01

Quant Time: Apr 02 09:01:41 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	194725	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	328749	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	296647	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	122949	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	126741	47.41	ug/l	0.00
Spiked Amount			Recovery	=	94.82%	
35) Dibromofluoromethane	7.56	113	98853	49.73	ug/l	0.00
Spiked Amount			Recovery	=	99.46%	
50) Toluene-d8	10.08	98	399018	49.14	ug/l	0.00
Spiked Amount			Recovery	=	98.28%	
62) 4-Bromofluorobenzene	12.40	95	141437	47.53	ug/l	0.00
Spiked Amount			Recovery	=	95.06%	

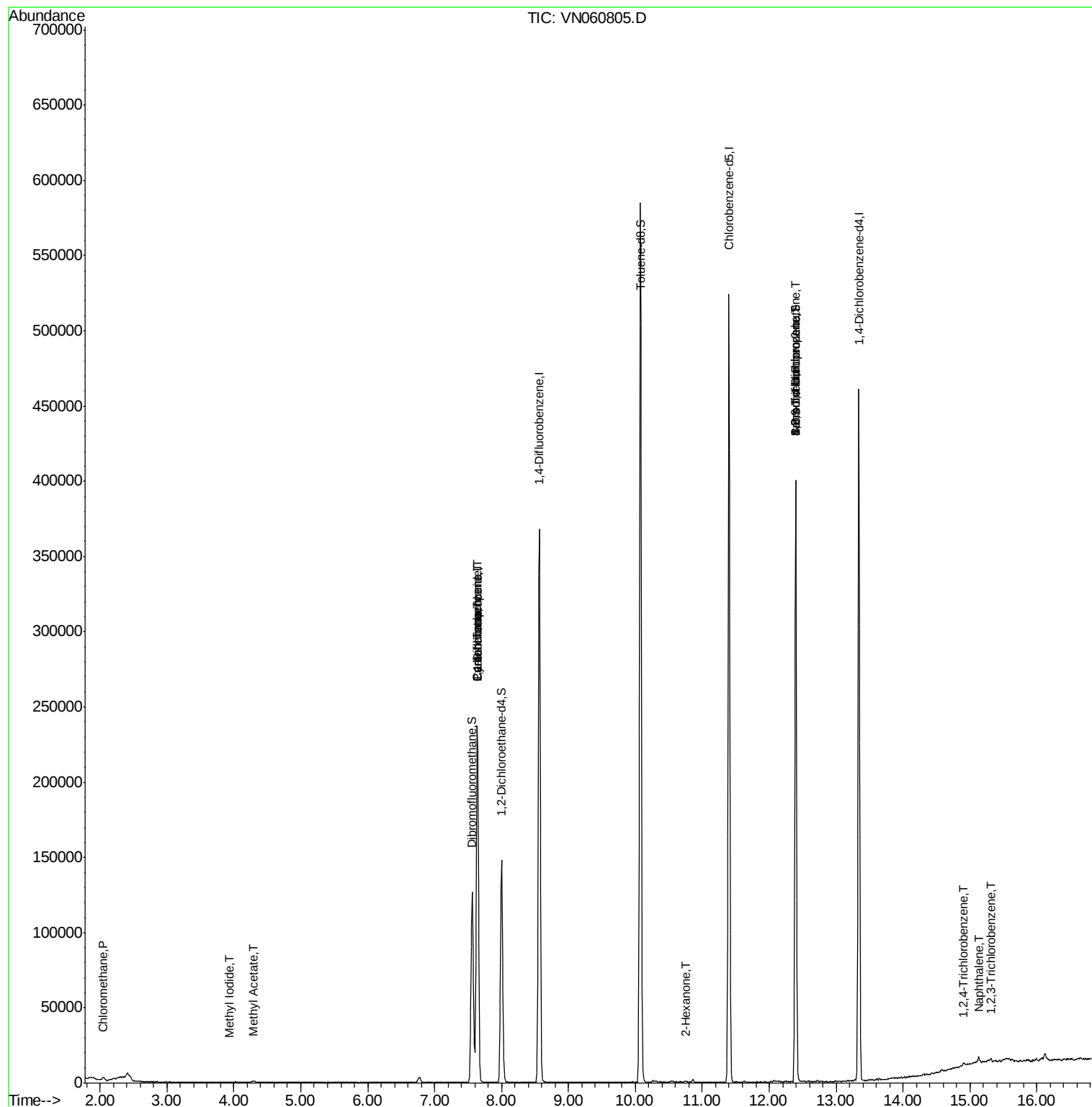
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1567	0.445	ug/l #	88
10) Methyl Iodide	3.93	142	512	0.293	ug/l #	42
18) Methyl Acetate	4.28	43	2480	0.931	ug/l #	68
31) Cyclohexane	7.64	56	4019	0.933	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15342	4.820	ug/l #	49
38) Carbon Tetrachloride	7.64	117	18139	6.358	ug/l #	16
59) 2-Hexanone	10.74	43	856	0.368	ug/l	70
71) Bromoform	12.40	173	565	1.989	ug/l #	1
76) 1,2,3-Trichloropropane	12.39	75	70874	26.715	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.39	75	70874	68.612	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.91	180	686	0.298	ug/l	91
95) Naphthalene	15.13	128	3255	0.470	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.31	180	804	0.354	ug/l	91

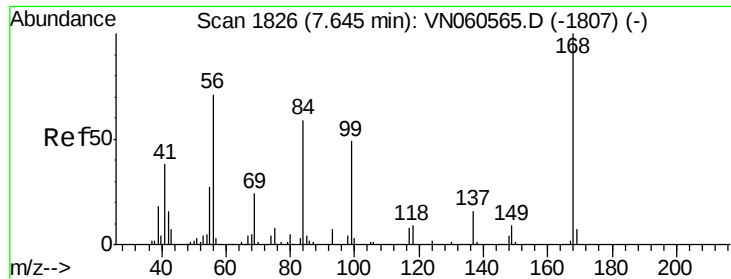
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 02 09:01:41 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VN060805.D

Acq: 1 Apr 2020 12:38

Instrument :

MSVOA_N

ClientSampleId :

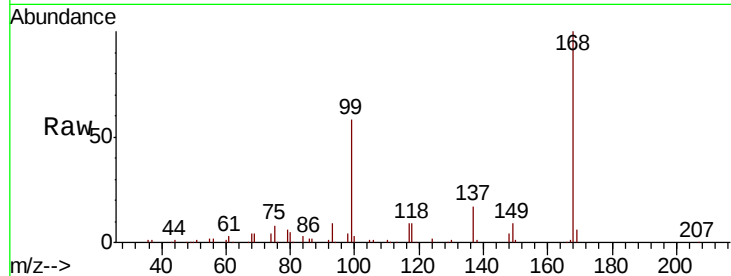
VN0401WBL01

Tot Ion:168 Resp: 194725

Ion Ratio Lower Upper

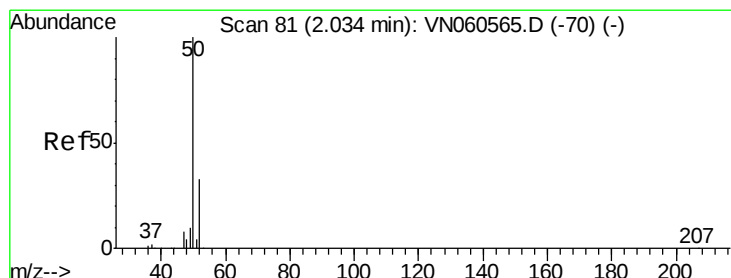
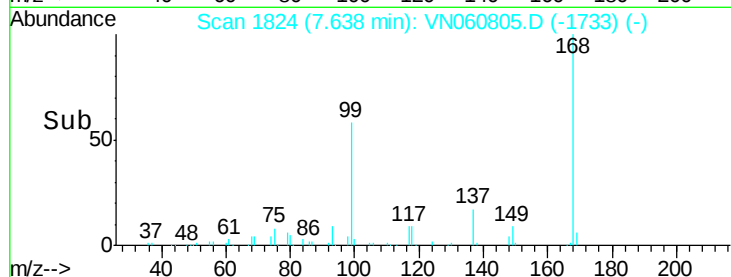
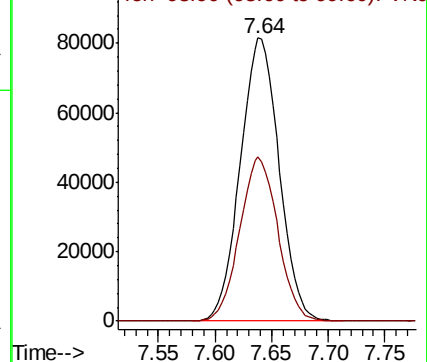
168 100

99 58.0 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#3

Chloromethane

Concen: 0.445 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.01 min

Lab File: VN060805.D

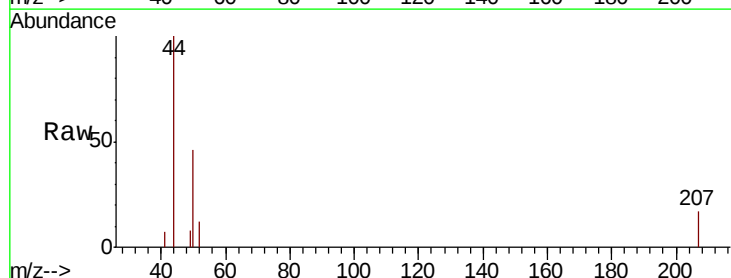
Acq: 1 Apr 2020 12:38

Tgt Ion: 50 Resp: 1567

Ion Ratio Lower Upper

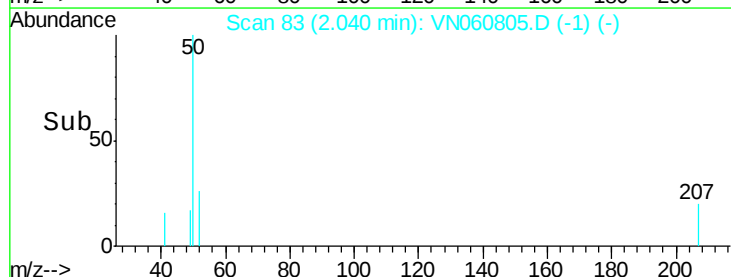
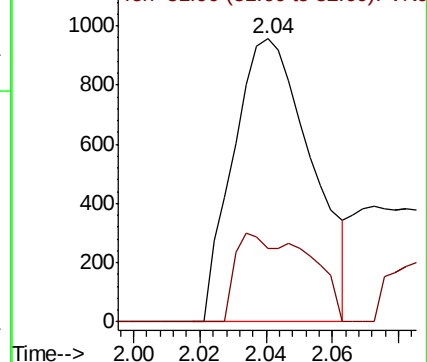
50 100

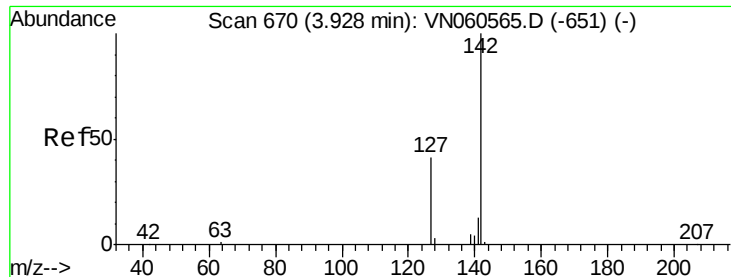
52 25.8 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

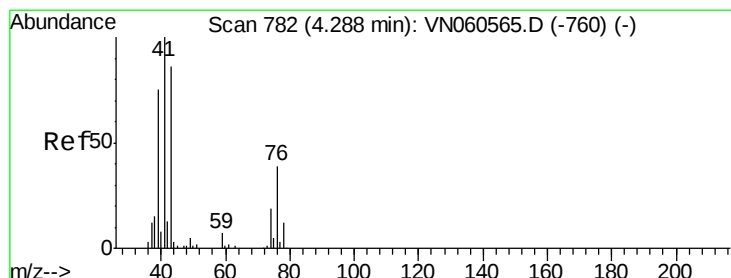
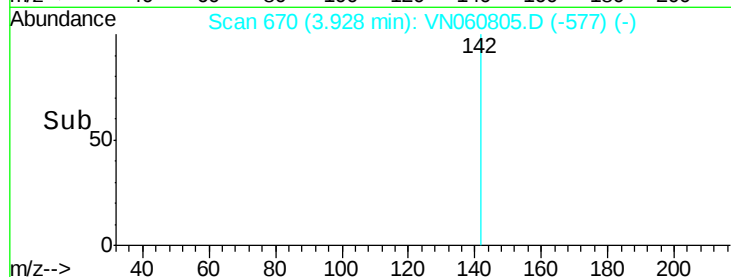
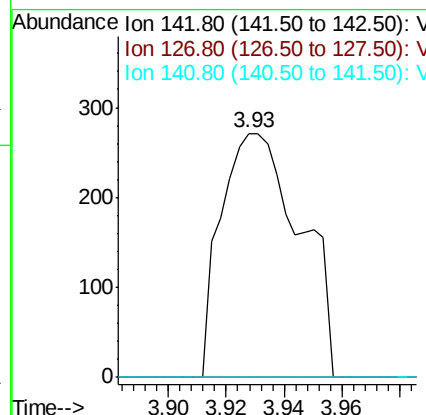
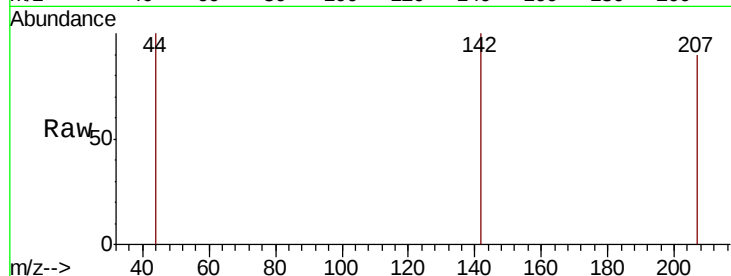




#10
Methvl Iodide
Concen: 0.293 ug/l
RT: 3.93 min Scan# 670
Delta R.T. 0.00 min
Lab File: VN060805.D
Acq: 1 Apr 2020 12:38

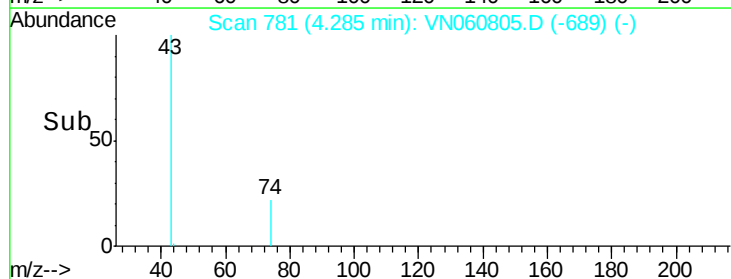
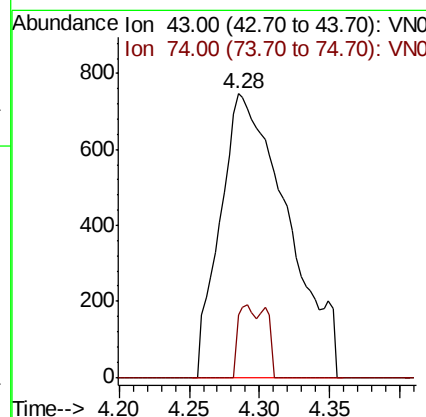
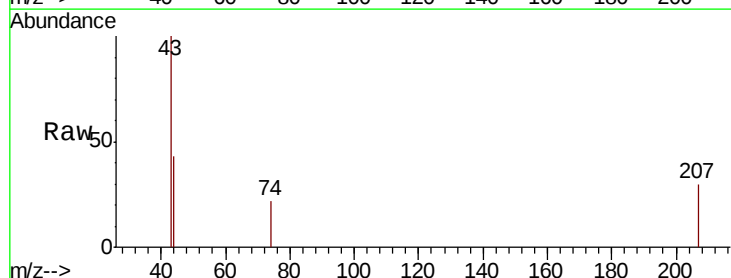
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBL01

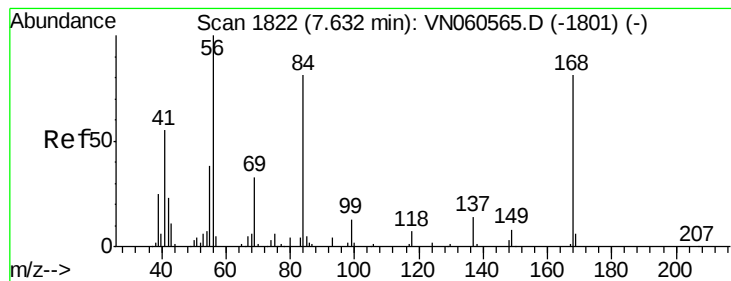
Tot Ion:142 Resp: 512
Ion Ratio Lower Upper
142 100
127 0.0 33.5 50.3#
141 0.0 11.0 16.6#



#18
Methyl Acetate
Concen: 0.931 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN060805.D
Acq: 1 Apr 2020 12:38

Tgt Ion: 43 Resp: 2480
Ion Ratio Lower Upper
43 100
74 6.7 17.5 26.3#





#31

Cyclohexane

Concen: 0.933 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.01 min

Lab File: VN060805.D

Acq: 1 Apr 2020 12:38

Instrument :

MSVOA_N

ClientSampled :

VN0401WBL01

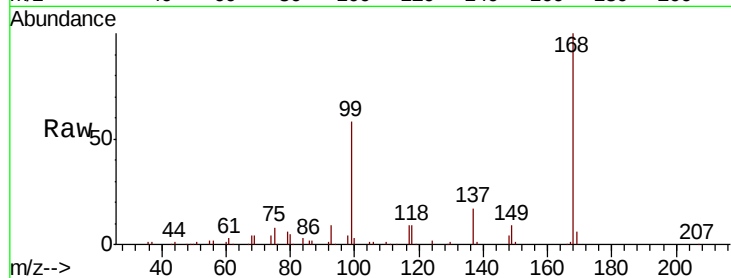
Tot Ion: 56 Resp: 4019

Ion Ratio Lower Upper

56 100

69 195.8 26.6 40.0#

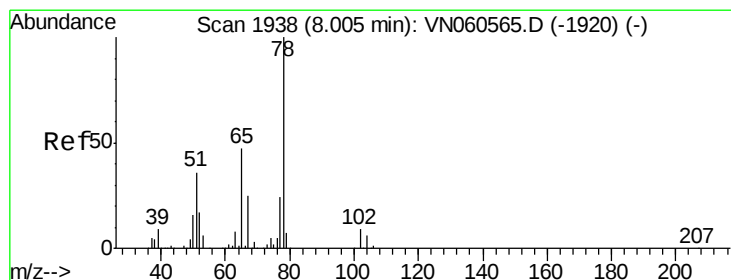
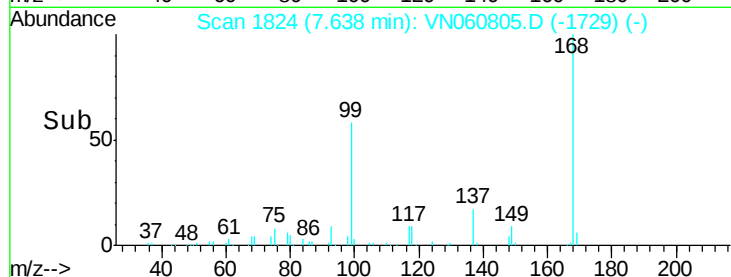
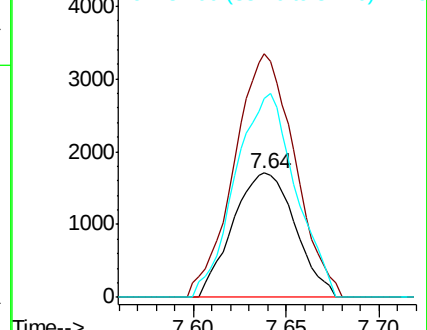
84 160.2 64.3 96.5#



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: 47.413 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060805.D

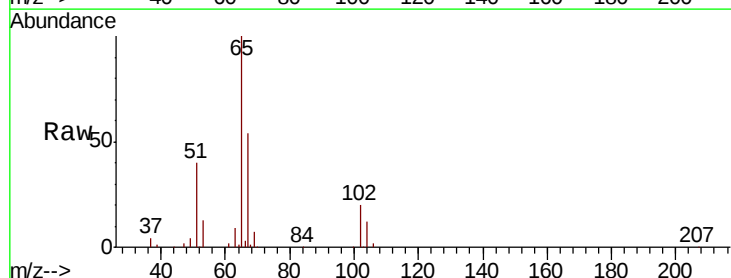
Acq: 1 Apr 2020 12:38

Tgt Ion: 65 Resp: 126741

Ion Ratio Lower Upper

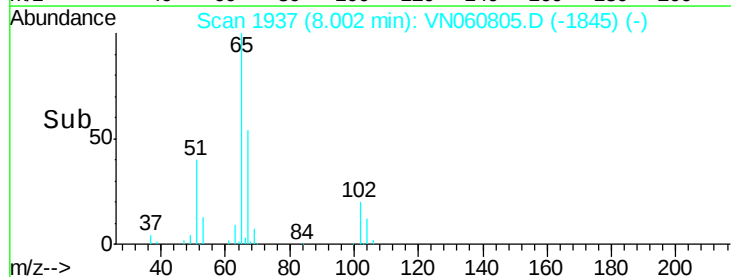
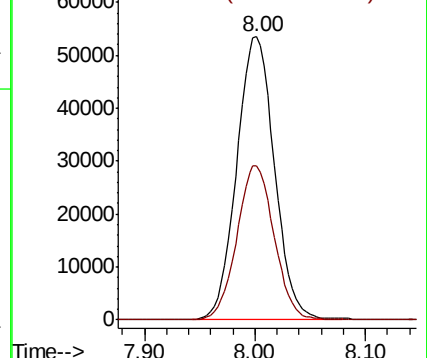
65 100

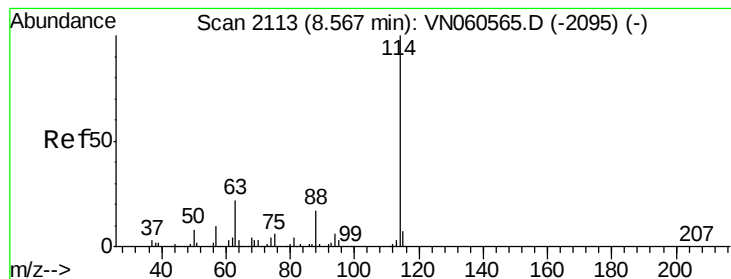
67 53.8 0.0 107.6



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: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN060805.D

Acq: 1 Apr 2020 12:38

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBL01

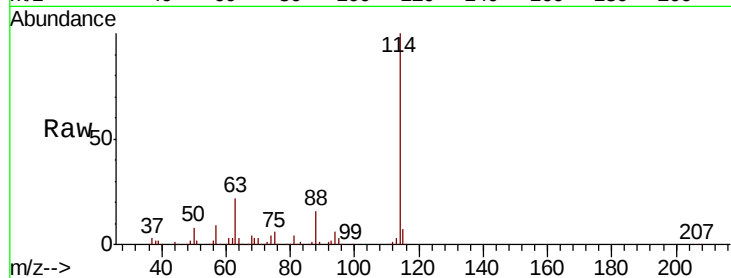
Tot Ion:114 Resp: 328749

Ion Ratio Lower Upper

114 100

63 21.8 0.0 43.8

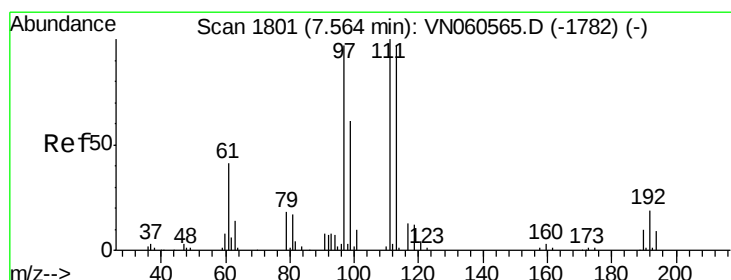
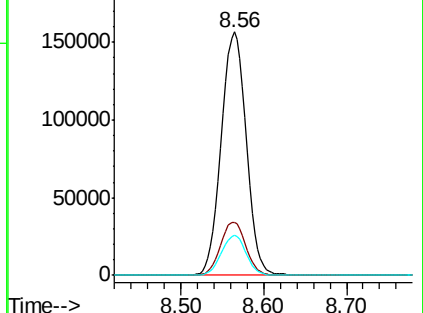
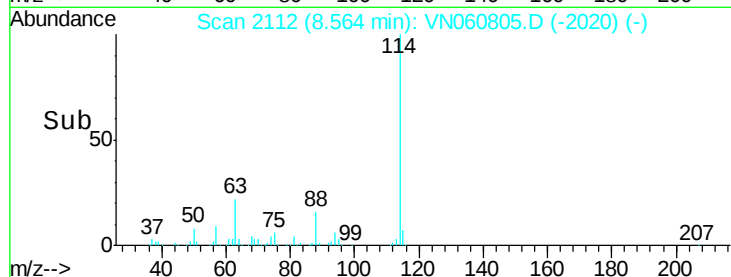
88 16.4 0.0 33.0



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: 49.729 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN060805.D

Acq: 1 Apr 2020 12:38

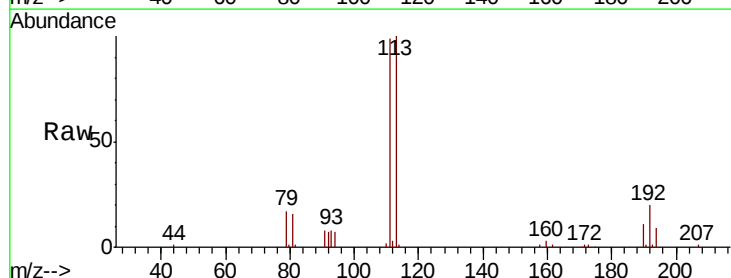
Tgt Ion:113 Resp: 98853

Ion Ratio Lower Upper

113 100

111 101.4 82.9 124.3

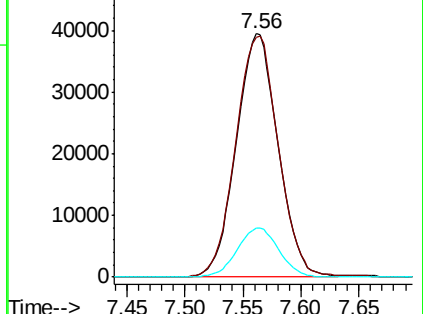
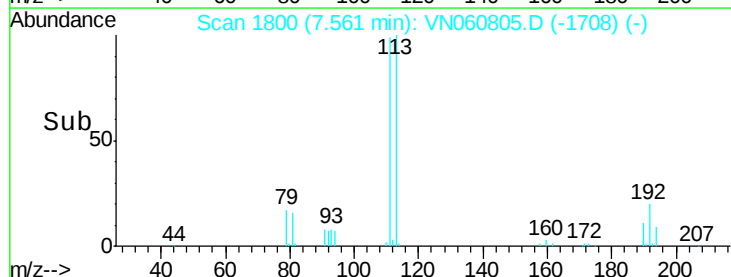
192 20.1 15.8 23.8

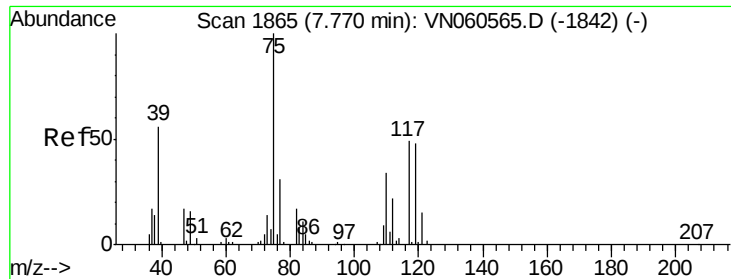


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

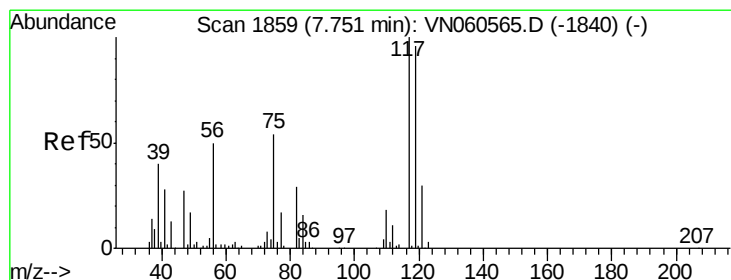
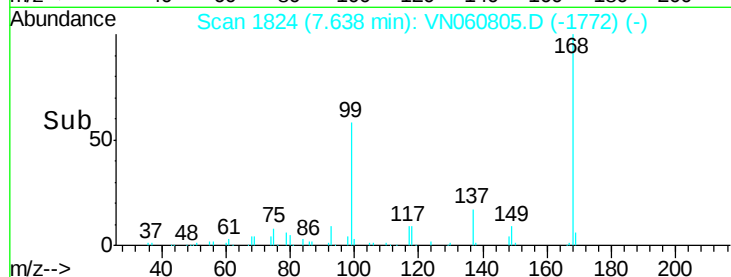
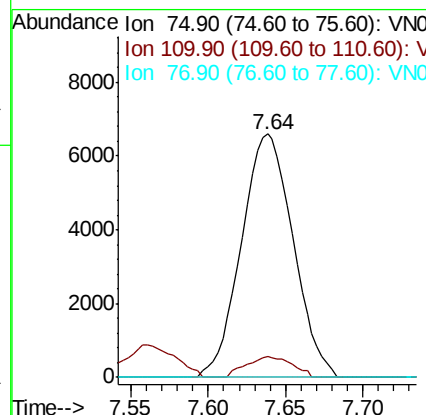
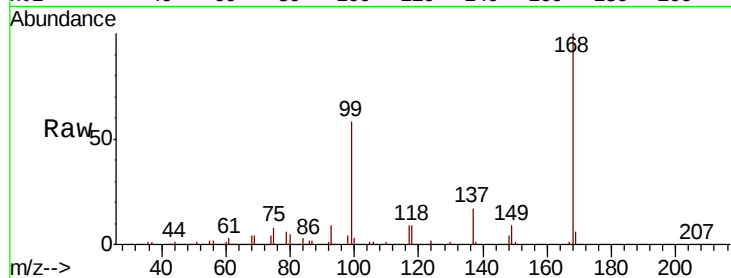




#36
 1,1-Dichloropropene
 Concen: 4.820 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN060805.D
 Acq: 1 Apr 2020 12:38

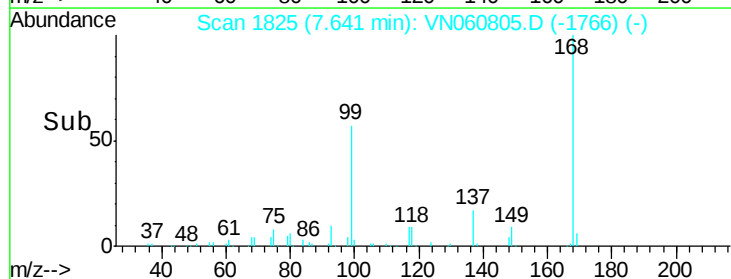
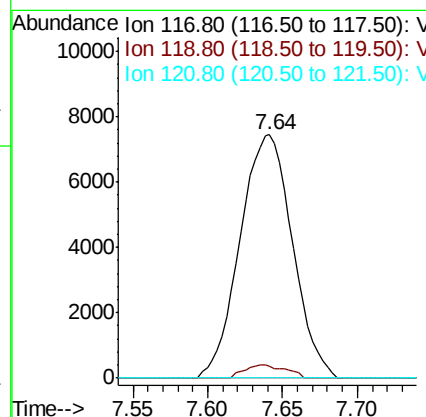
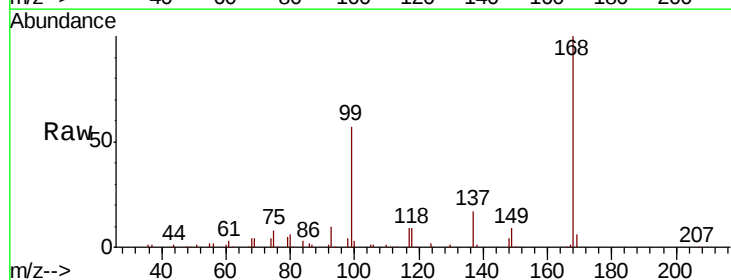
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401WBL01

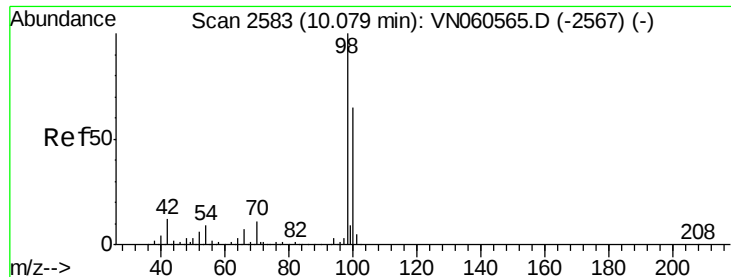
Tot Ion	75	Resp	15342
Ion Ratio	Lower	Upper	
75	100		
110	7.5	16.9	50.6#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.358 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN060805.D
 Acq: 1 Apr 2020 12:38

Tgt Ion	117	Resp	18139
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
117	100		
119	4.7	76.2	114.2#
121	0.0	23.7	35.5#





#50

Toluene-d8

Concen: 49.143 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060805.D

Acq: 1 Apr 2020 12:38

Instrument :

MSVOA_N

ClientSampleId :

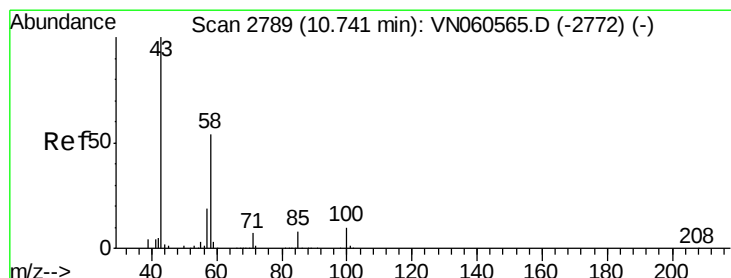
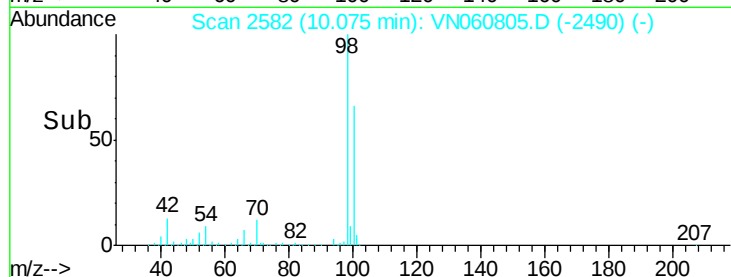
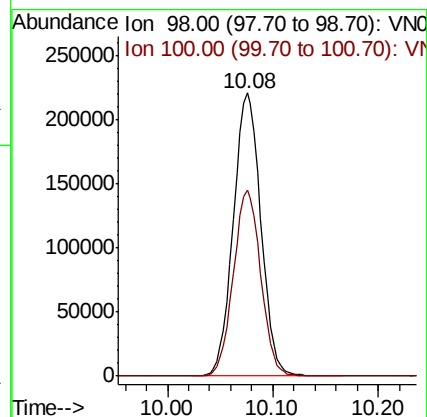
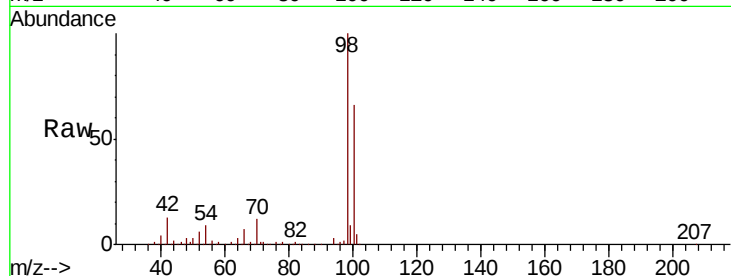
VN0401WBL01

Tot Ion: 98 Resp: 399018

Ion Ratio Lower Upper

98 100

100 65.1 51.8 77.8



#59

2-Hexanone

Concen: 0.368 ug/l

RT: 10.74 min Scan# 2789

Delta R.T. 0.00 min

Lab File: VN060805.D

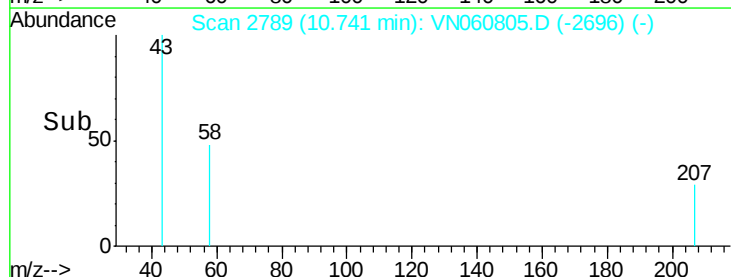
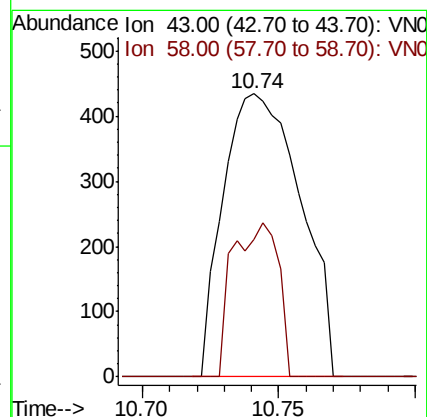
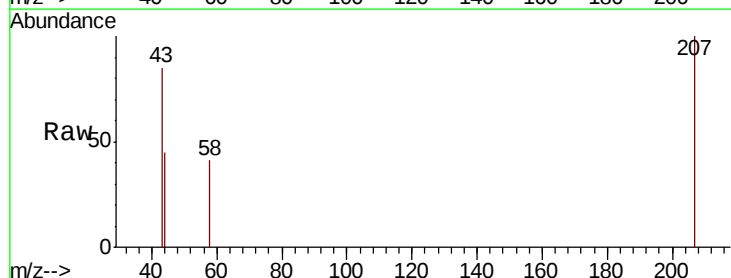
Acq: 1 Apr 2020 12:38

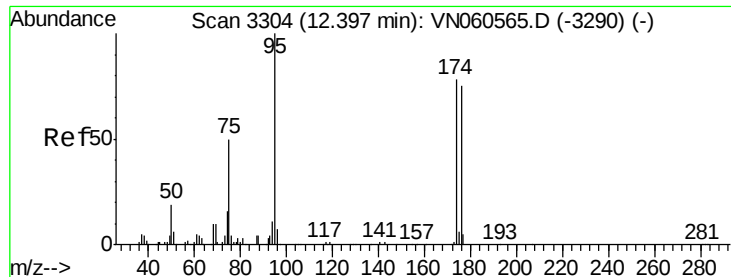
Tgt Ion: 43 Resp: 856

Ion Ratio Lower Upper

43 100

58 32.0 26.7 80.1





#62

4-Bromofluorobenzene

Concen: 47.531 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060805.D

Acq: 1 Apr 2020 12:38

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBL01

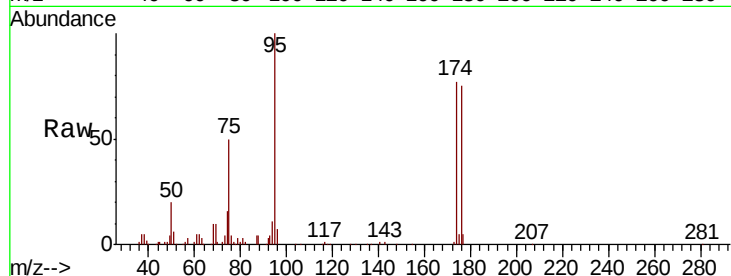
Tot Ion: 95 Resp: 141437

Ion Ratio Lower Upper

95 100

174 76.7 0.0 157.6

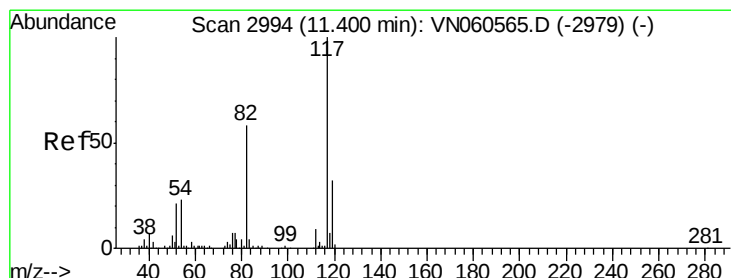
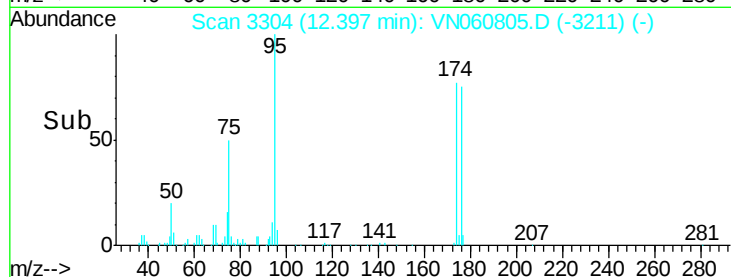
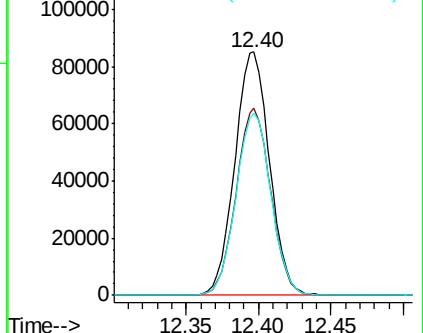
176 75.5 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): VN060805.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN060805.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN060805.D (-3211) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2993

Delta R.T. -0.00 min

Lab File: VN060805.D

Acq: 1 Apr 2020 12:38

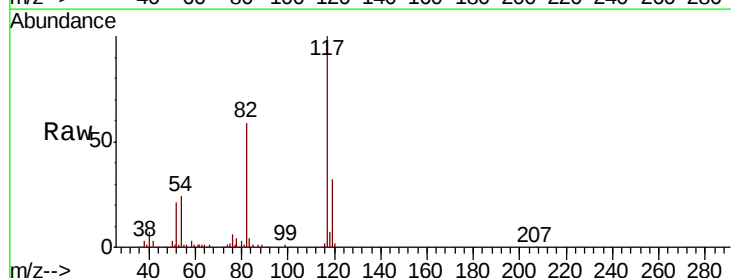
Tgt Ion: 117 Resp: 296647

Ion Ratio Lower Upper

117 100

82 58.7 46.7 70.1

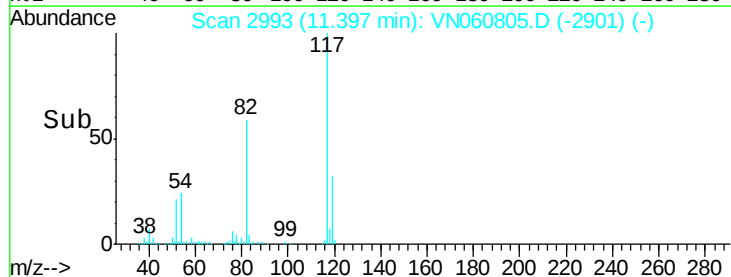
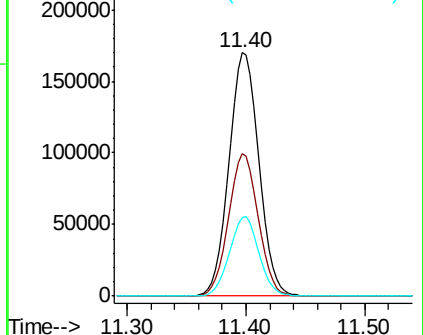
119 32.3 25.5 38.3

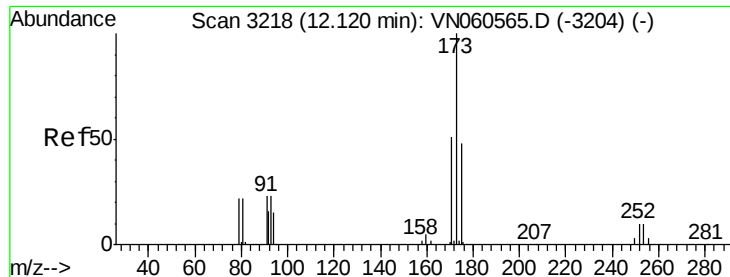


Abundance Ion 116.90 (116.60 to 117.60): VN060805.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN060805.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN060805.D (-2901) (-)





#71

Bromoform

Concen: 1.989 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.28 min

Lab File: VN060805.D

Acq: 1 Apr 2020 12:38

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBL01

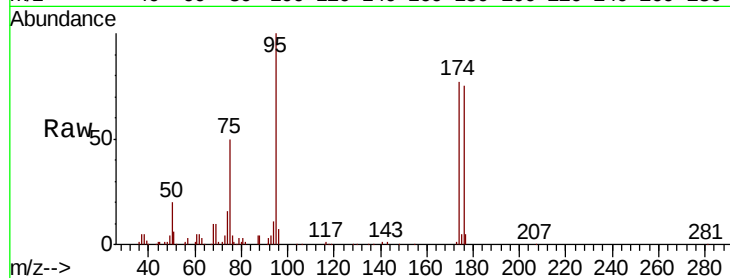
Tot Ion:173 Resp: 565

Ion Ratio Lower Upper

173 100

175 1185.8 24.1 72.4#

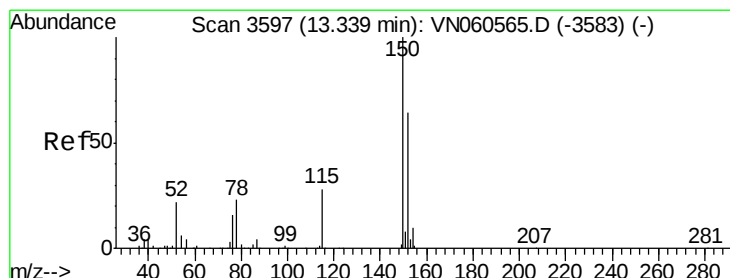
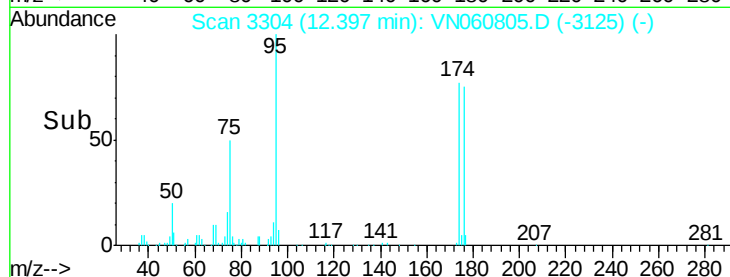
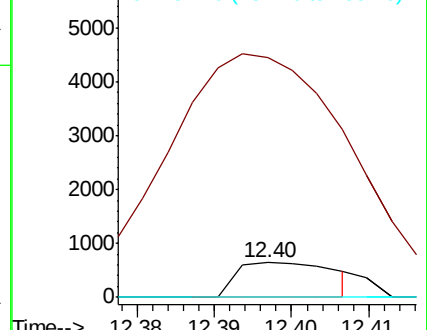
254 0.0 0.0 0.0



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: VN060805.D

Acq: 1 Apr 2020 12:38

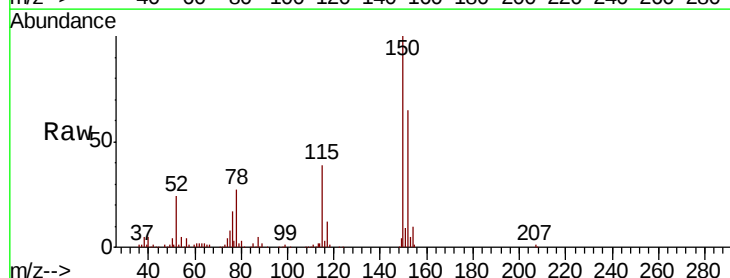
Tgt Ion:152 Resp: 122949

Ion Ratio Lower Upper

152 100

115 59.9 30.2 90.6

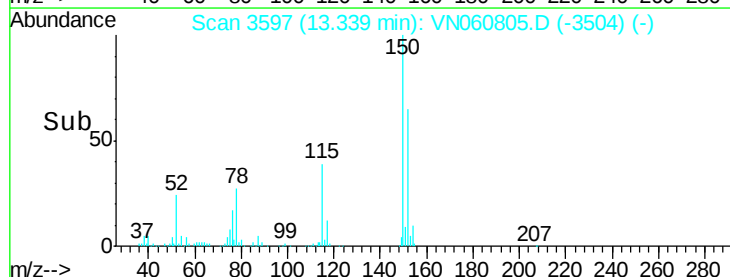
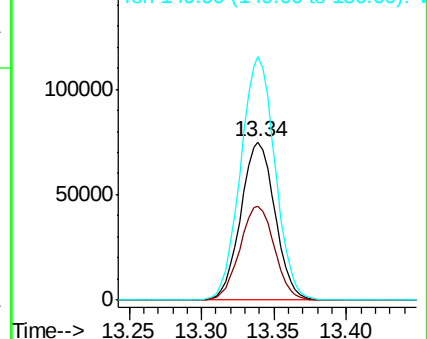
150 155.3 0.0 350.2

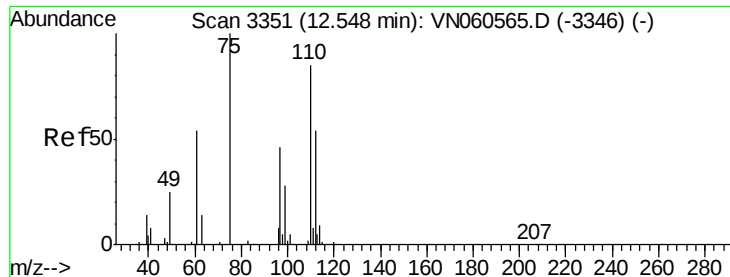


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 26.715 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.15 min

Lab File: VN060805.D

Acq: 1 Apr 2020 12:38

Instrument :

MSVOA_N

ClientSampleId :

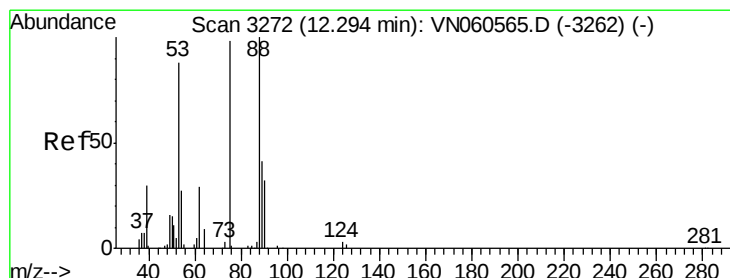
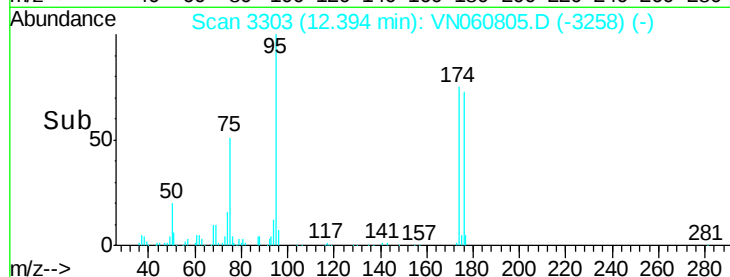
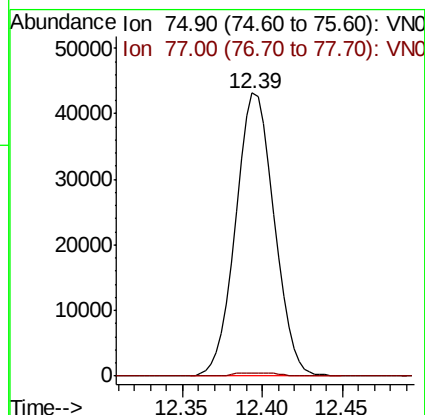
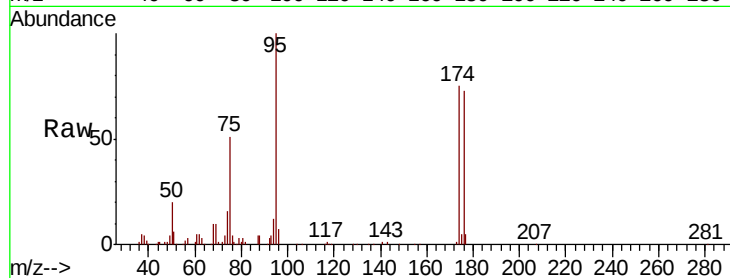
VN0401WBL01

Tot Ion: 75 Resp: 70874

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.612 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.10 min

Lab File: VN060805.D

Acq: 1 Apr 2020 12:38

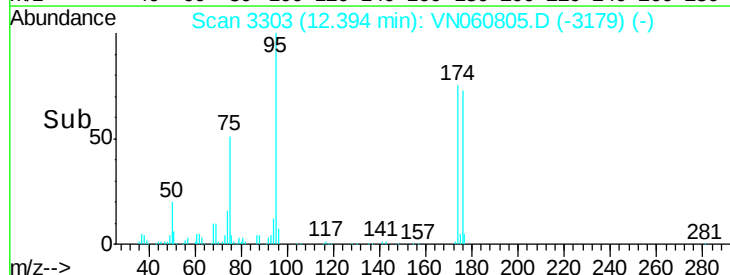
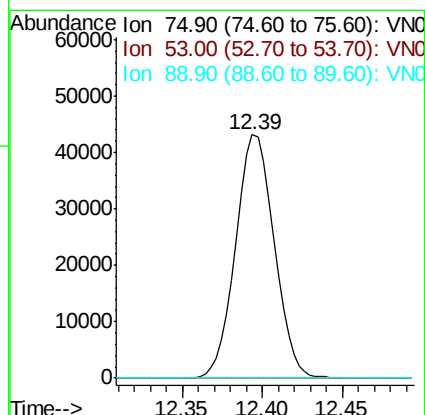
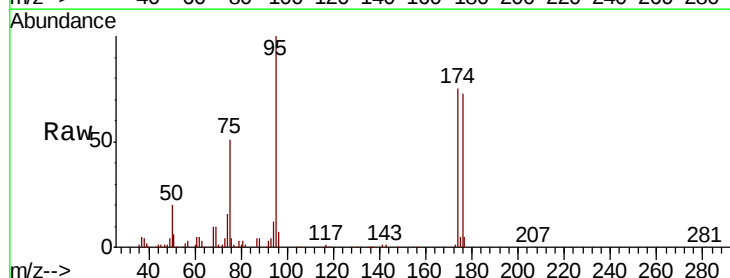
Tgt Ion: 75 Resp: 70874

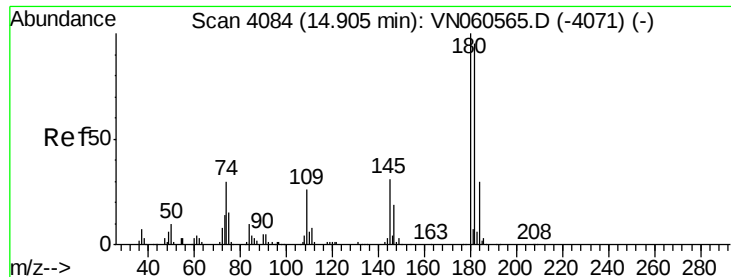
Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#

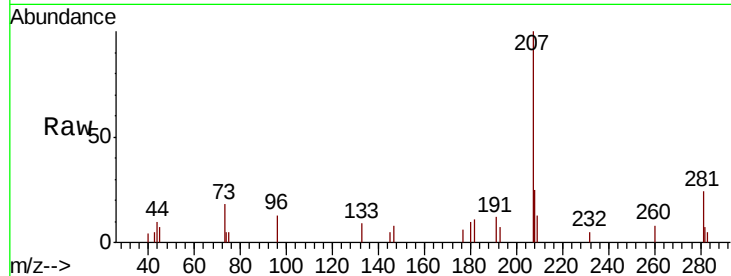




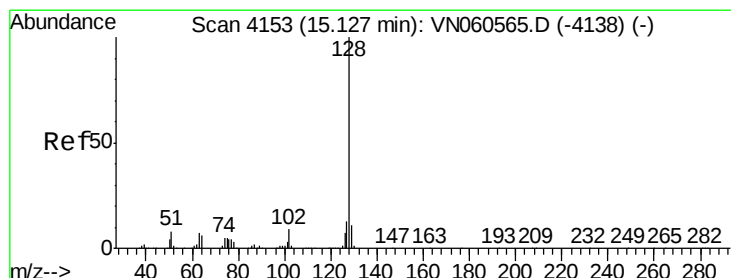
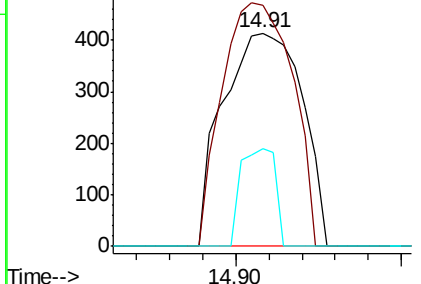
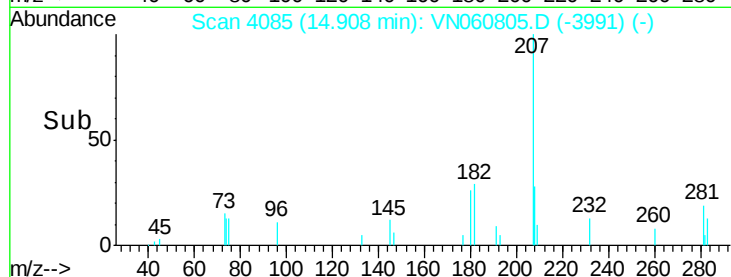
#93
 1,2,4-Trichlorobenzene
 Concen: 0.298 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060805.D
 Acq: 1 Apr 2020 12:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401WBL01

Tot Ion:180 Resp: 686
 Ion Ratio Lower Upper
 180 100
 182 101.3 47.9 143.8
 145 20.1 15.4 46.2

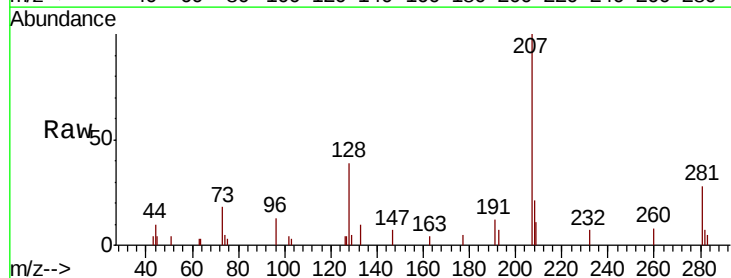


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

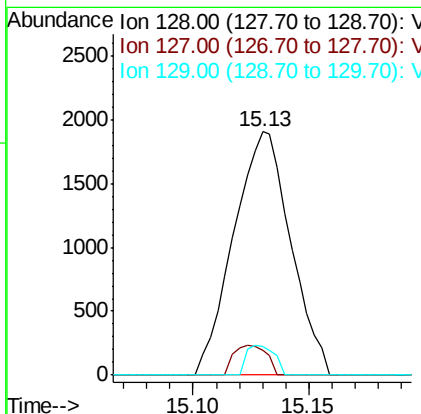
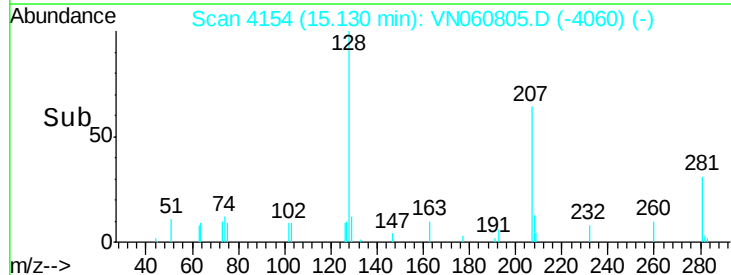


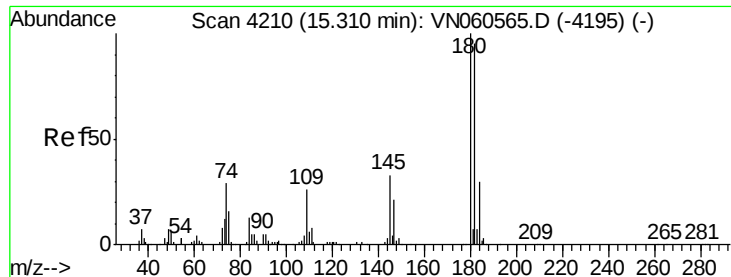
#95
 Naphthalene
 Concen: 0.470 ug/l
 RT: 15.13 min Scan# 4154
 Delta R.T. 0.00 min
 Lab File: VN060805.D
 Acq: 1 Apr 2020 12:38

Tgt Ion:128 Resp: 3255
 Ion Ratio Lower Upper
 128 100
 127 7.0 10.2 15.2#
 129 6.0 8.8 13.2#



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

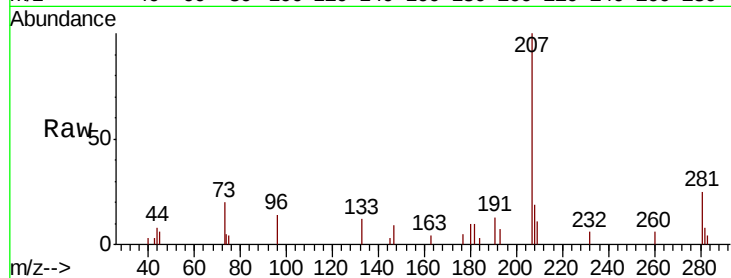




#96
 1,2,3-Trichlorobenzene
 Concen: 0.354 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. 0.00 min
 Lab File: VN060805.D
 Acq: 1 Apr 2020 12:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	47.5	142.6
145	16.3	16.3	48.8



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

