

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040720\
 Data File : VN060883.D
 Acq On : 7 Apr 2020 17:34
 Operator : JC/MD
 Sample : L2178-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4I

Quant Time: Apr 08 05:55:19 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	188546	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	314022	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	295670	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	132018	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	121847	47.08	ug/l	0.00
Spiked Amount			Recovery	=	94.16%	
35) Dibromofluoromethane	7.56	113	94292	49.66	ug/l	0.00
Spiked Amount			Recovery	=	99.32%	
50) Toluene-d8	10.08	98	386656	49.85	ug/l	0.00
Spiked Amount			Recovery	=	99.70%	
62) 4-Bromofluorobenzene	12.40	95	144173	50.72	ug/l	0.00
Spiked Amount			Recovery	=	101.44%	

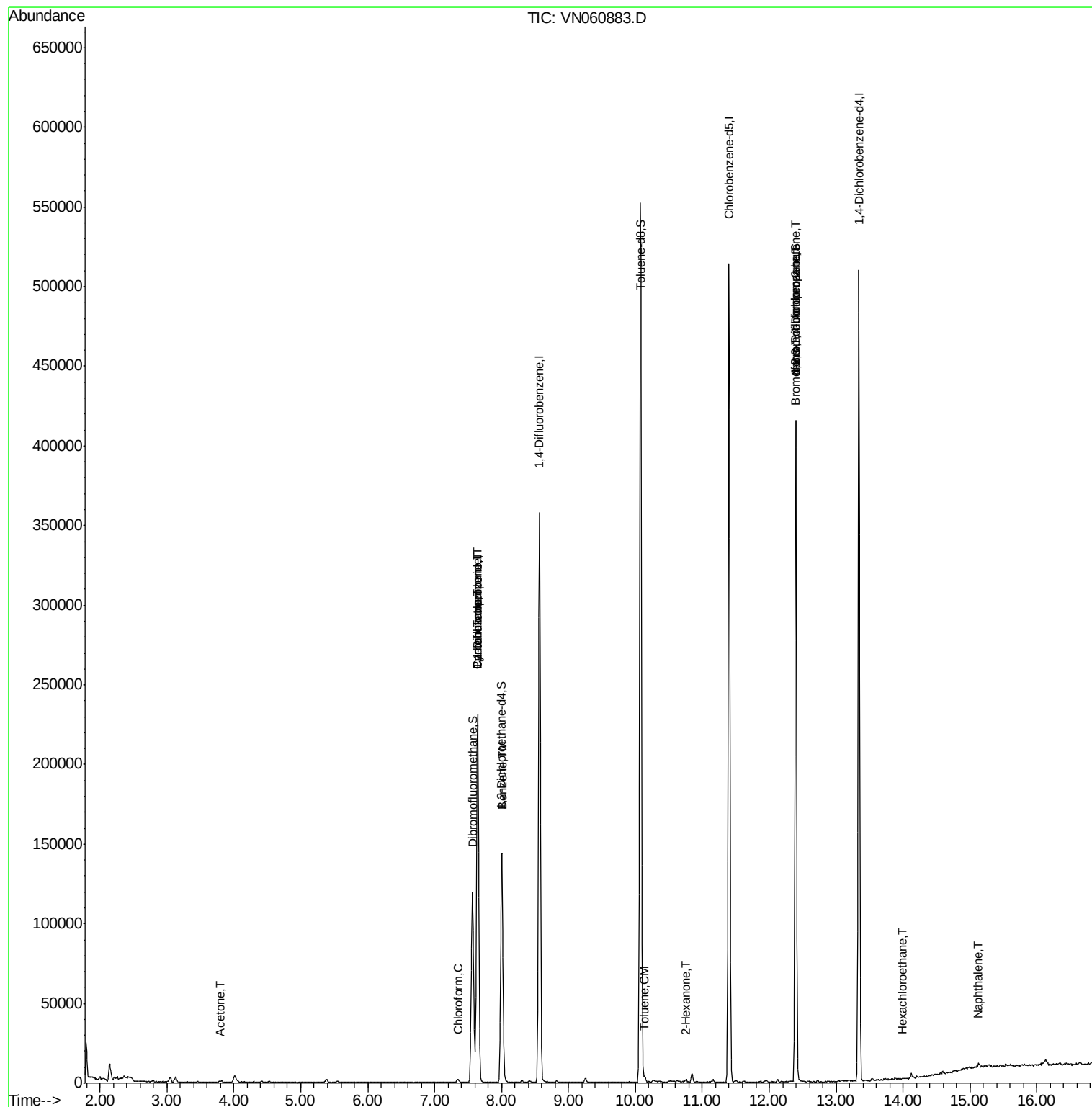
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	1480	1.614	ug/l	99
30) Chloroform	7.35	83	2596	0.655	ug/l	91
31) Cyclohexane	7.64	56	3886	0.932	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	14798	4.867	ug/l #	49
38) Carbon Tetrachloride	7.64	117	18100	6.642	ug/l #	16
40) Benzene	8.01	78	1933	0.211	ug/l #	79
52) Toluene	10.14	92	1460	0.263	ug/l	84
59) 2-Hexanone	10.76	43	455	0.205	ug/l #	25
71) Bromoform	12.38	173	86	1.728	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	72043	25.290	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	72043	64.952	ug/l #	13
90) Hexachloroethane	13.99	117	261	0.213	ug/l #	8
95) Naphthalene	15.13	128	2433	0.327	ug/l #	86

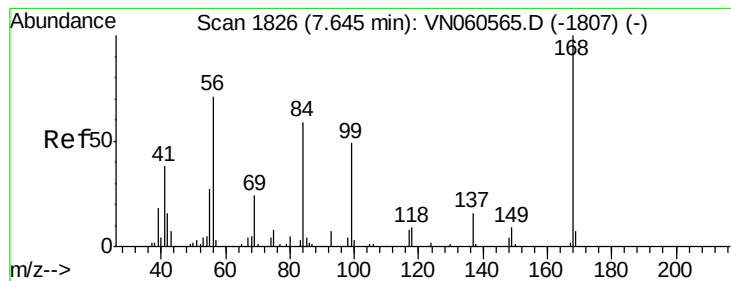
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN060883.D

Acq: 7 Apr 2020 17:34

Instrument :

MSVOA_N

ClientSampleId :

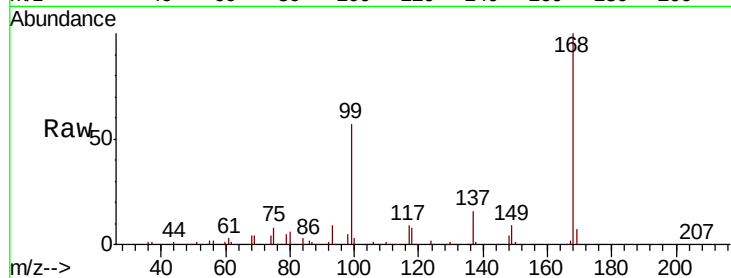
MW-41

Tot Ion:168 Resp: 188546

Ion Ratio Lower Upper

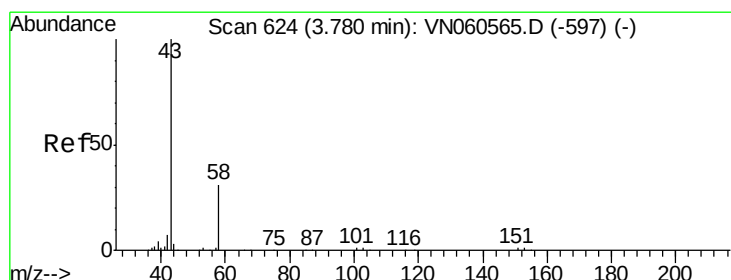
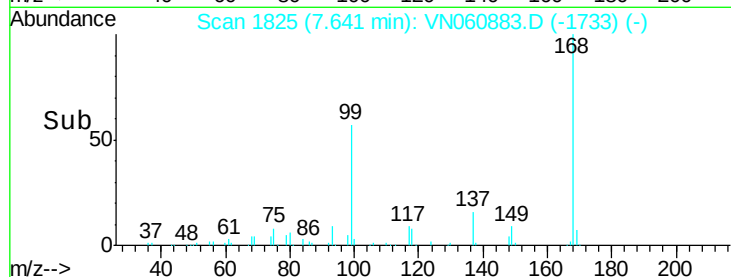
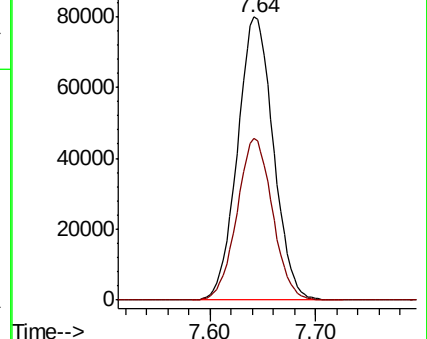
168 100

99 57.2 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 1.614 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN060883.D

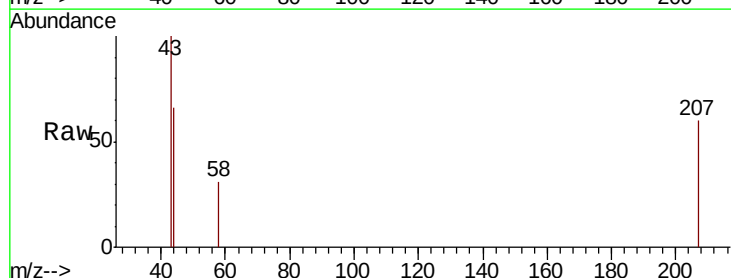
Acq: 7 Apr 2020 17:34

Tgt Ion: 43 Resp: 1480

Ion Ratio Lower Upper

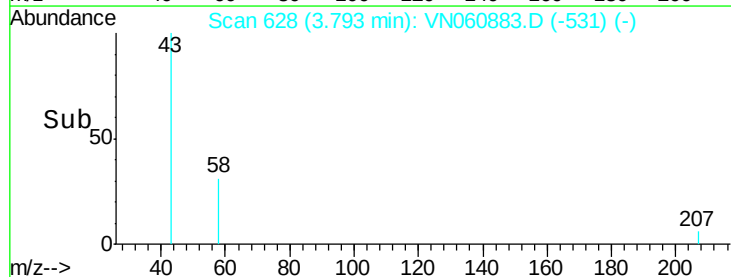
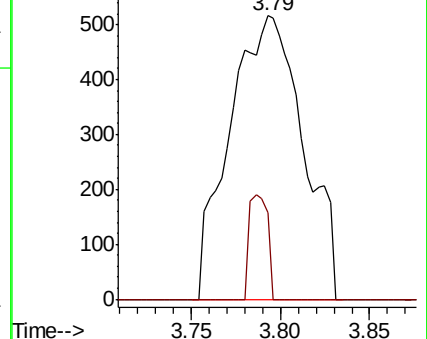
43 100

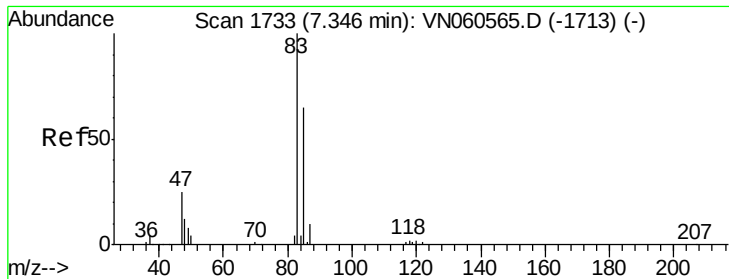
58 30.6 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

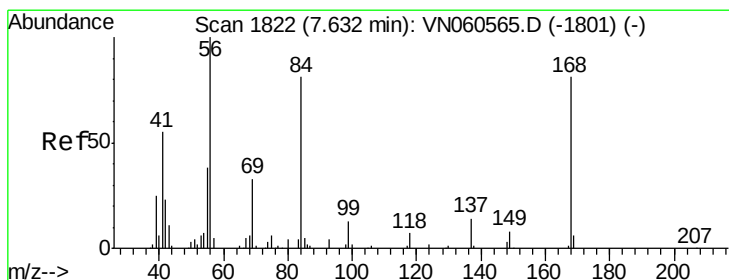
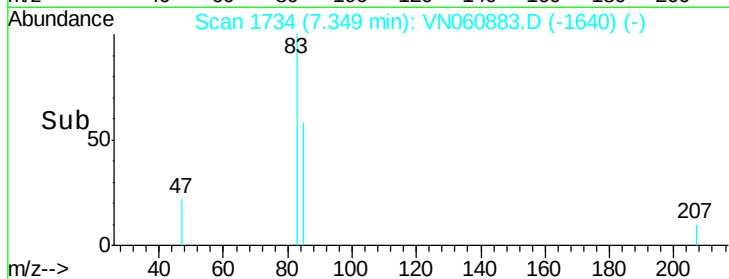
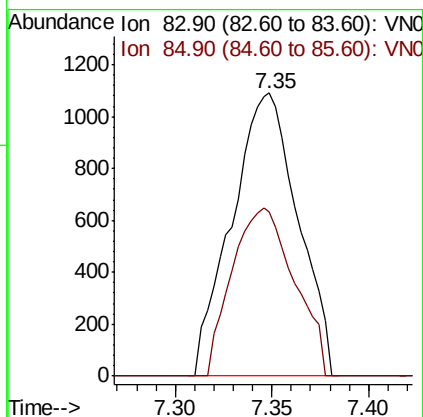
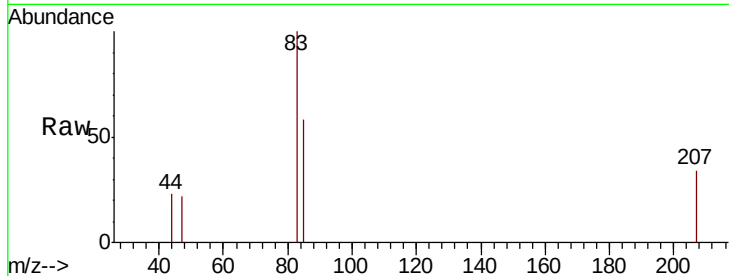




#30
Chloroform
Concen: 0.655 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN060883.D
Acq: 7 Apr 2020 17:34

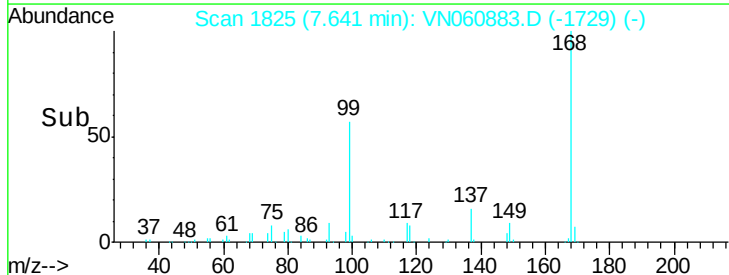
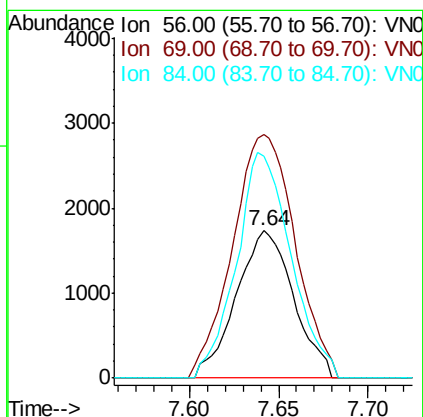
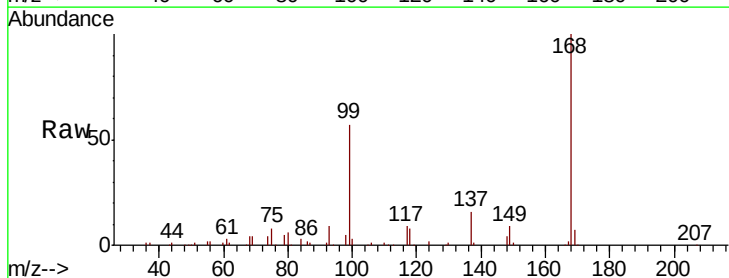
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ClientSampleId :
MW-4I

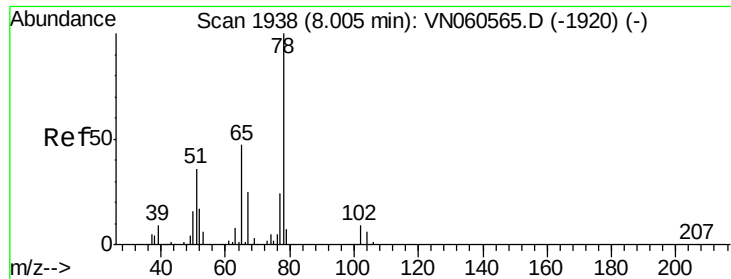
Tot Ion: 83 Resp: 2596
Ion Ratio Lower Upper
83 100
85 57.8 51.8 77.8



#31
Cyclohexane
Concen: 0.932 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN060883.D
Acq: 7 Apr 2020 17:34

Tgt Ion: 56 Resp: 3886
Ion Ratio Lower Upper
56 100
69 165.4 26.6 40.0#
84 151.2 64.3 96.5#

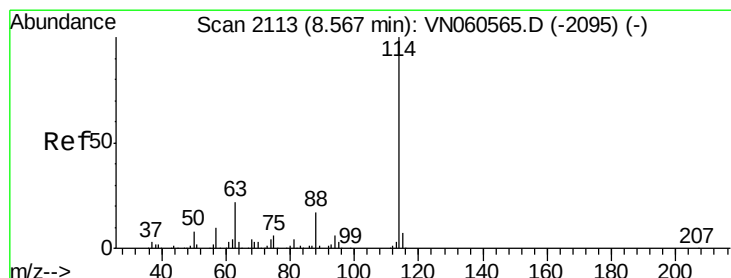
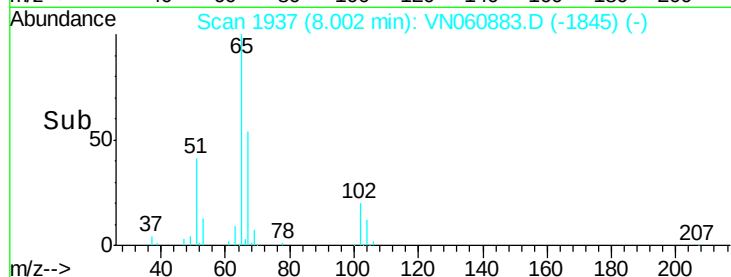
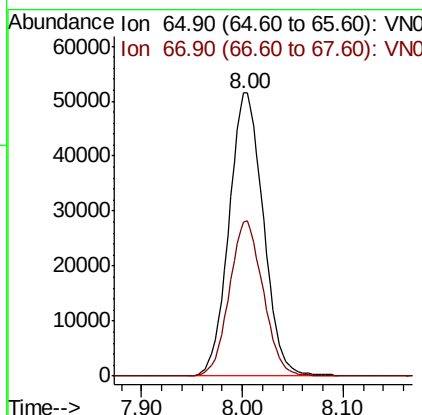
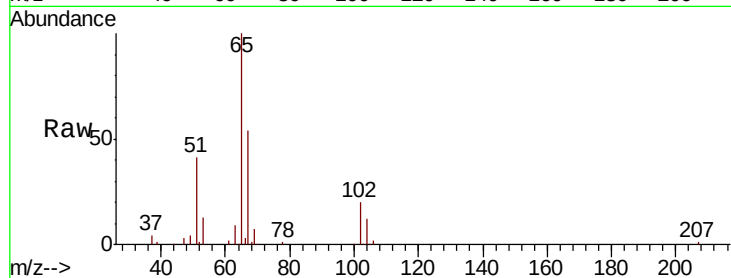




#33
 1,2-Dichloroethane-d4
 Concen: 47.076 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060883.D
 Acq: 7 Apr 2020 17:34

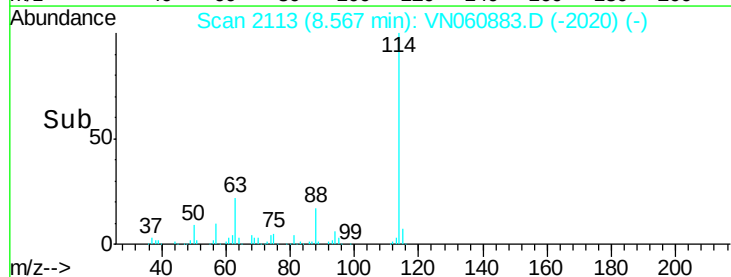
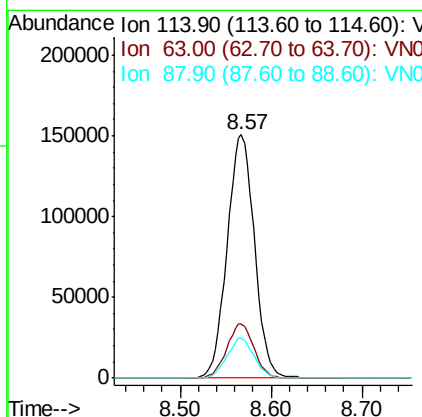
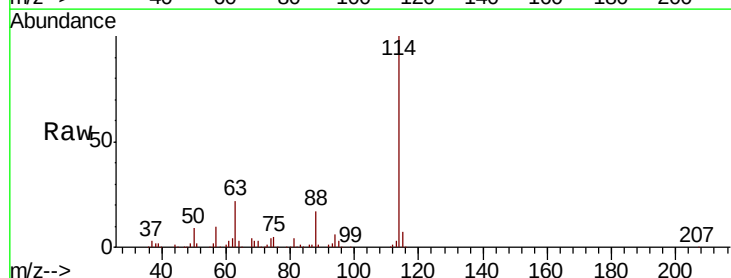
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4I

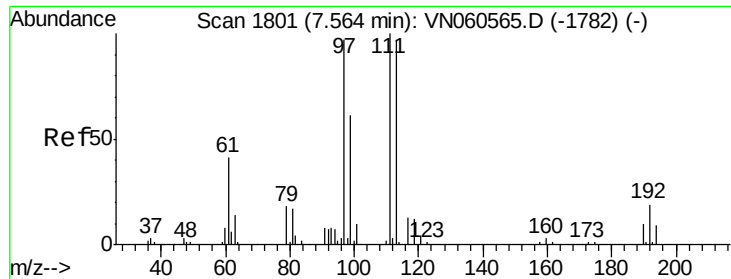
Tot Ion: 65 Resp: 121847
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060883.D
 Acq: 7 Apr 2020 17:34

Tgt Ion: 114 Resp: 314022
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 43.8
 88 16.5 0.0 33.0





#35

Dibromofluoromethane

Concen: 49.659 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN060883.D

Acq: 7 Apr 2020 17:34

Instrument :

MSVOA_N

ClientSampleId :

MW-4I

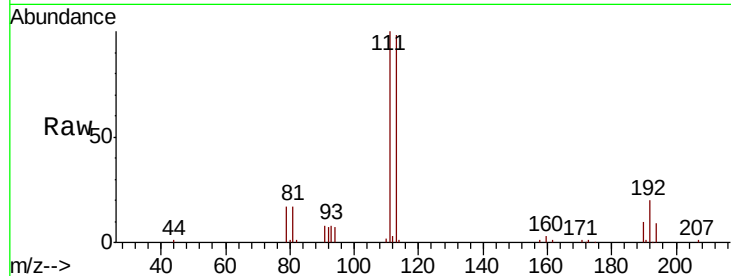
Tot Ion:113 Resp: 94292

Ion Ratio Lower Upper

113 100

111 102.2 82.9 124.3

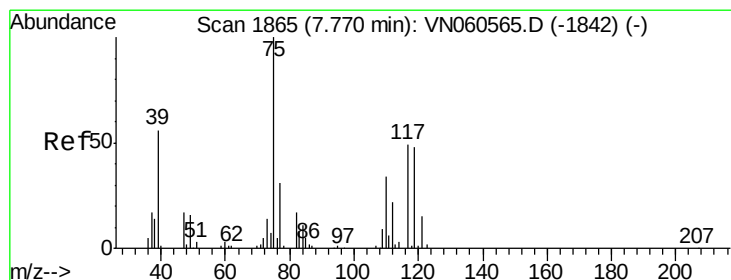
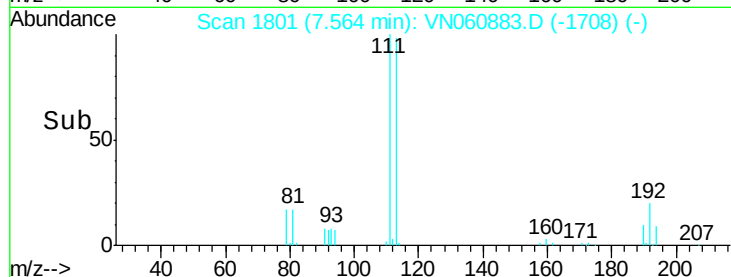
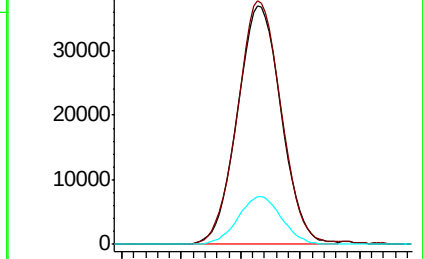
192 19.9 15.8 23.8



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: 4.867 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN060883.D

Acq: 7 Apr 2020 17:34

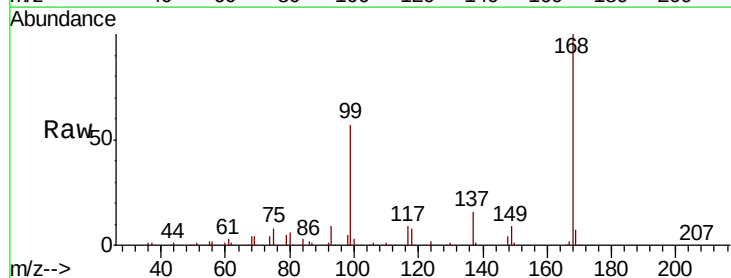
Tgt Ion: 75 Resp: 14798

Ion Ratio Lower Upper

75 100

110 7.7 16.9 50.6#

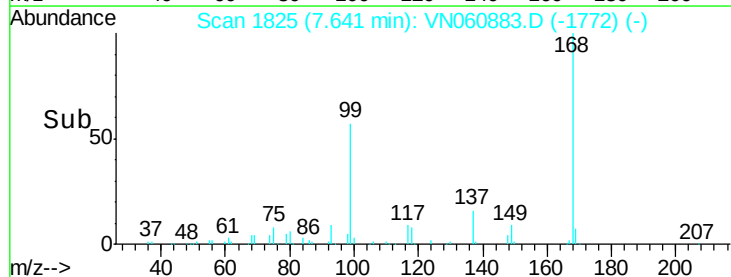
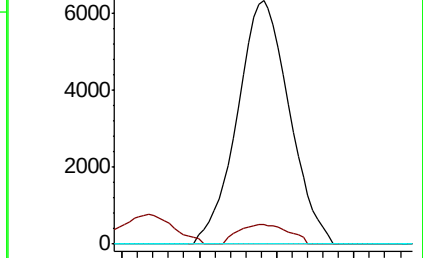
77 0.0 24.6 36.8#

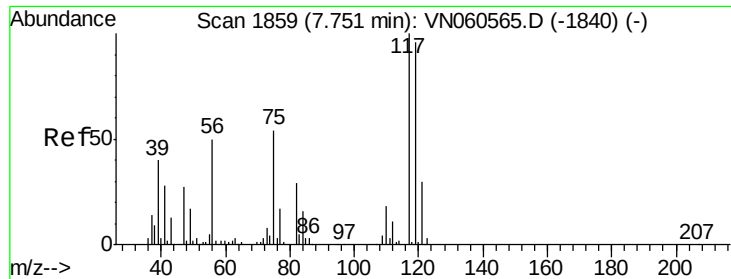


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

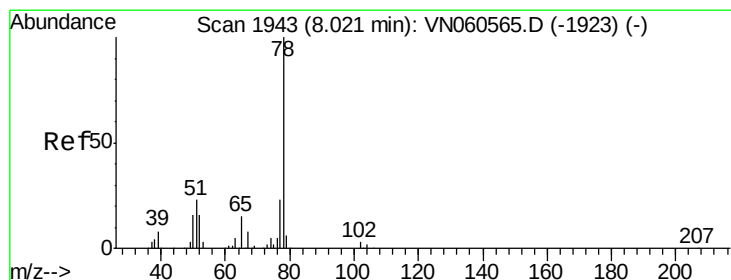
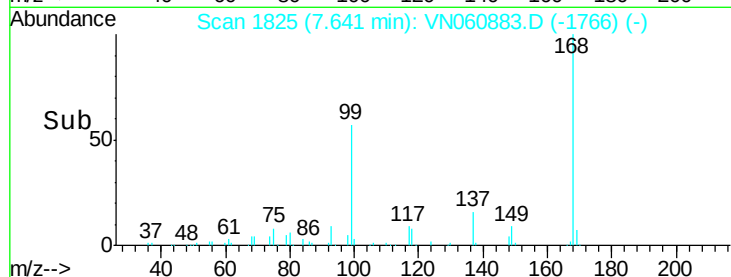
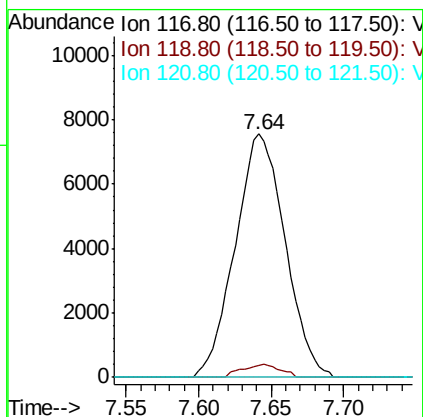
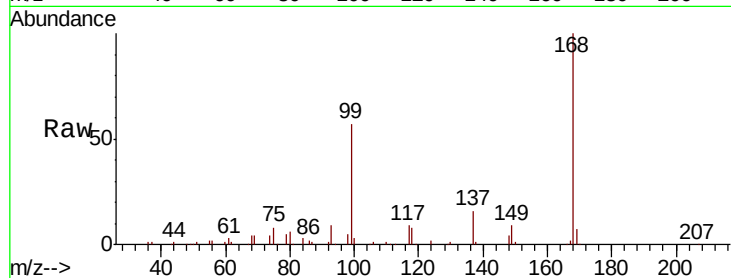




#38
Carbon Tetrachloride
Concen: 6.642 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN060883.D
Acq: 7 Apr 2020 17:34

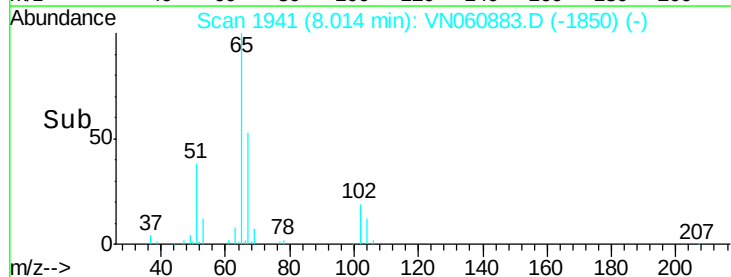
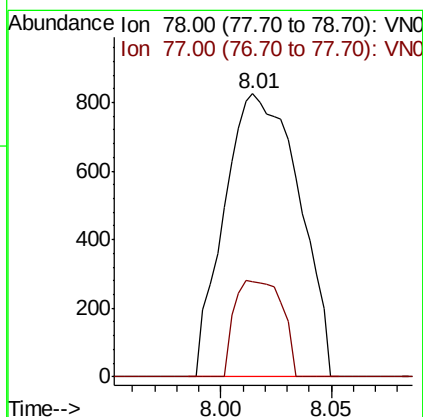
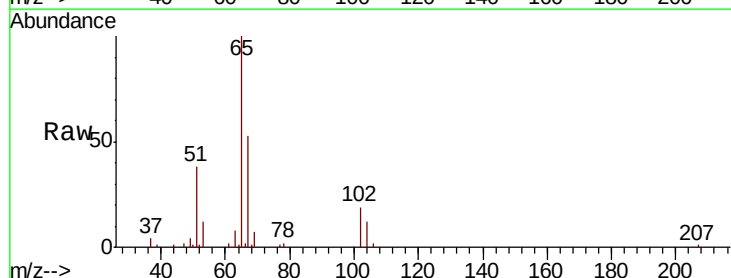
Instrument :
MSVOA_N
ClientSampleId :
MW-4l

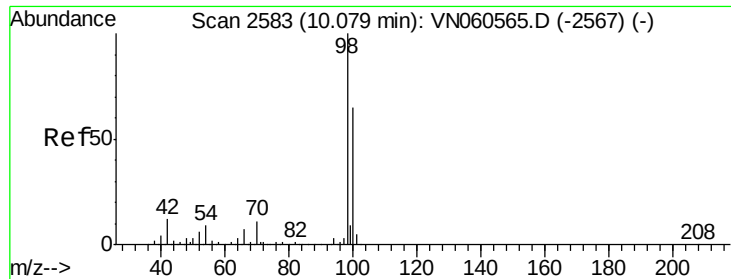
Tot Ion:117 Resp: 18100
Ion Ratio Lower Upper
117 100
119 5.1 76.2 114.2#
121 0.0 23.7 35.5#



#40
Benzene
Concen: 0.211 ug/l
RT: 8.01 min Scan# 1941
Delta R.T. -0.01 min
Lab File: VN060883.D
Acq: 7 Apr 2020 17:34

Tgt Ion: 78 Resp: 1933
Ion Ratio Lower Upper
78 100
77 33.5 18.6 28.0#

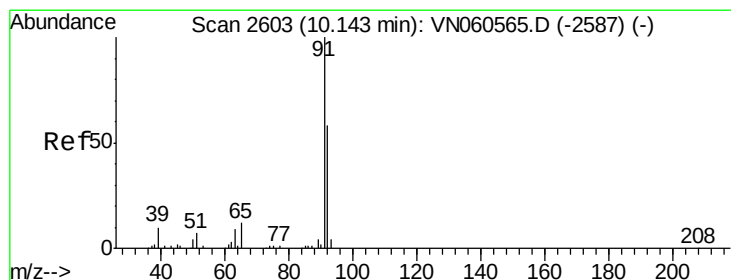
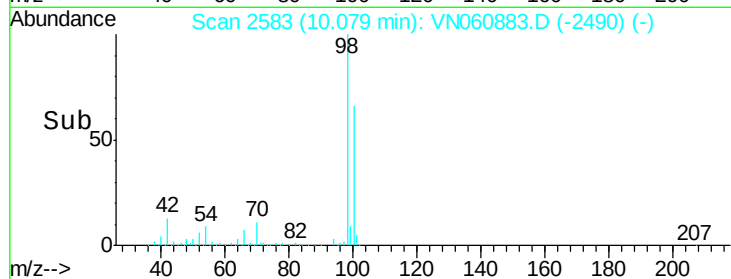
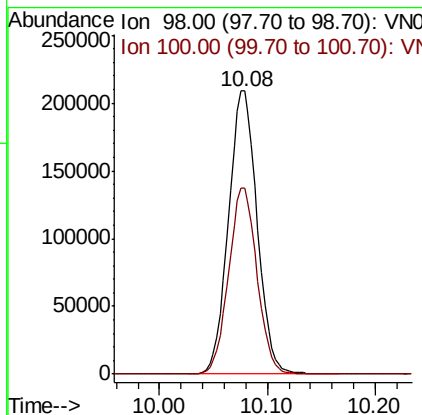
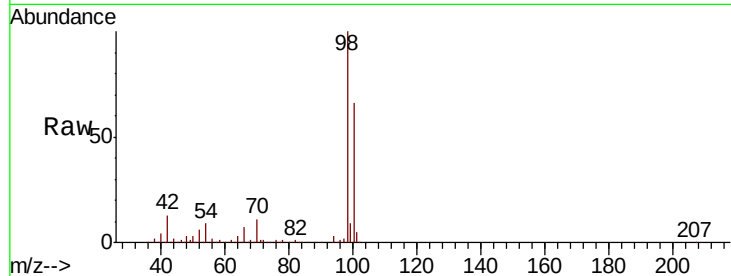




#50
Toluene-d8
Concen: 49.854 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060883.D
Acq: 7 Apr 2020 17:34

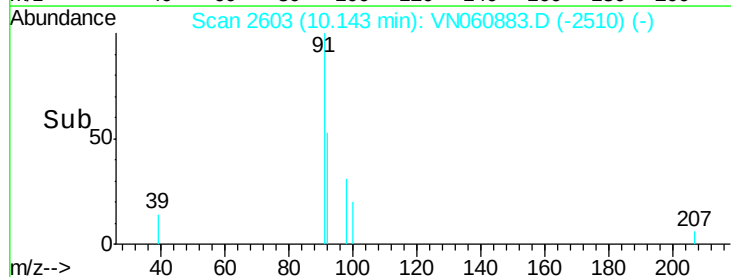
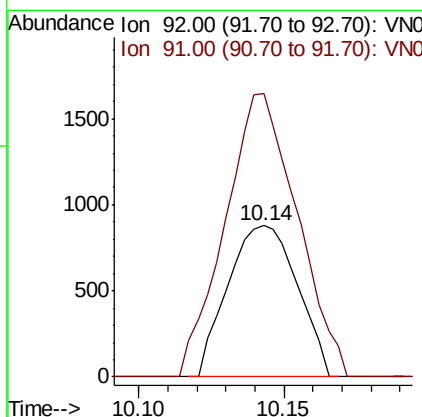
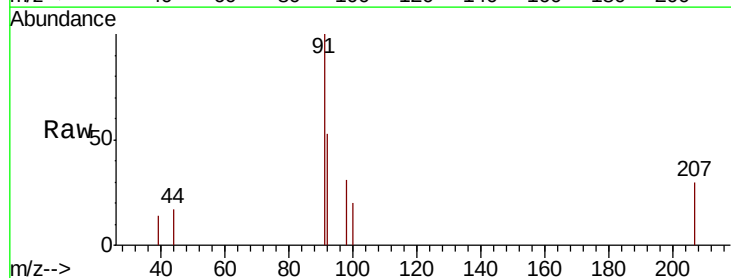
Instrument :
MSVOA_N
ClientSampled :
MW-4I

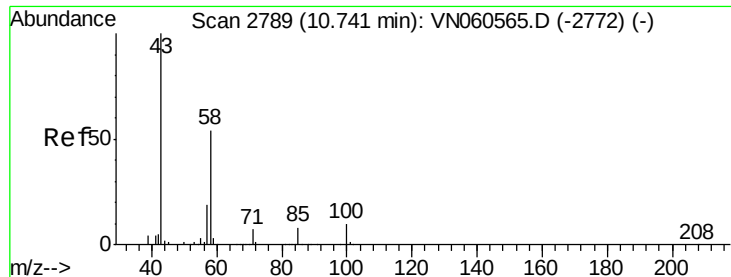
Tot Ion: 98 Resp: 386656
Ion Ratio Lower Upper
98 100
100 65.3 51.8 77.8



#52
Toluene
Concen: 0.263 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. 0.00 min
Lab File: VN060883.D
Acq: 7 Apr 2020 17:34

Tgt Ion: 92 Resp: 1460
Ion Ratio Lower Upper
92 100
91 194.5 137.6 206.4

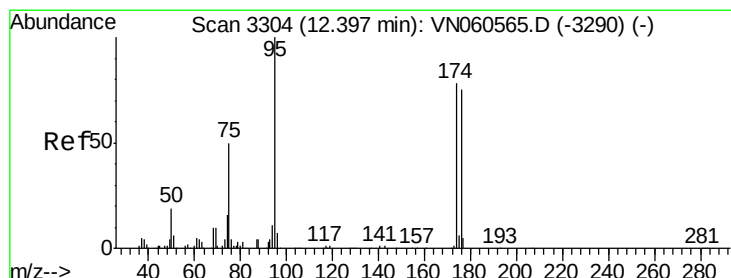
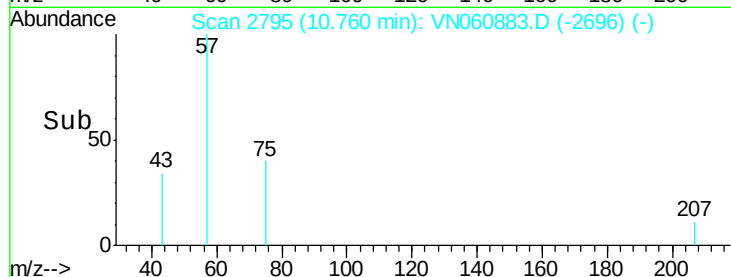
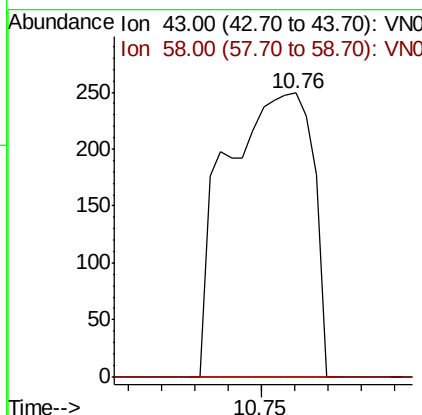
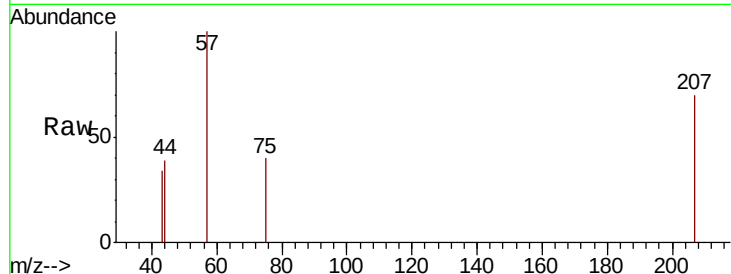




#59
2-Hexanone
Concen: 0.205 ug/l
RT: 10.76 min Scan# 2795
Delta R.T. 0.02 min
Lab File: VN060883.D
Acq: 7 Apr 2020 17:34

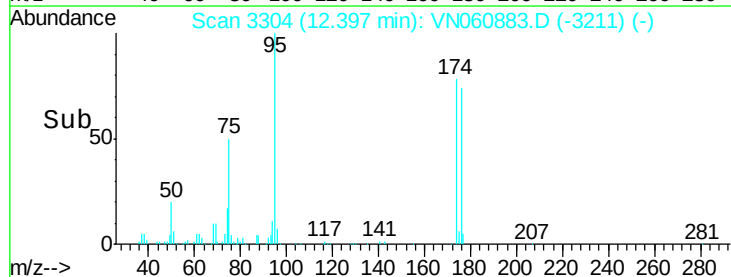
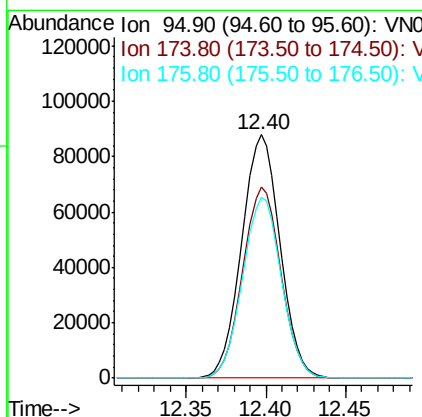
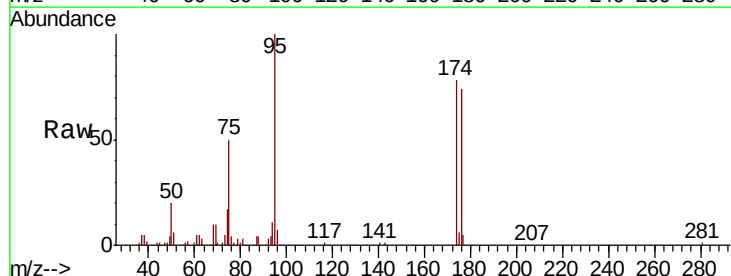
Instrument :
MSVOA_N
ClientSampled :
MW-4l

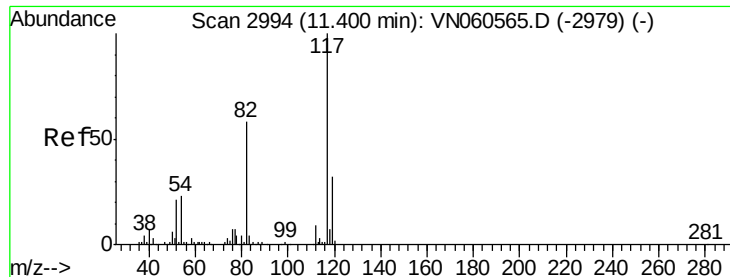
Tot Ion: 43 Resp: 455
Ion Ratio Lower Upper
43 100
58 0.0 26.7 80.1#



#62
4-Bromofluorobenzene
Concen: 50.722 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060883.D
Acq: 7 Apr 2020 17:34

Tgt Ion: 95 Resp: 144173
Ion Ratio Lower Upper
95 100
174 78.4 0.0 157.6
176 75.0 0.0 150.6

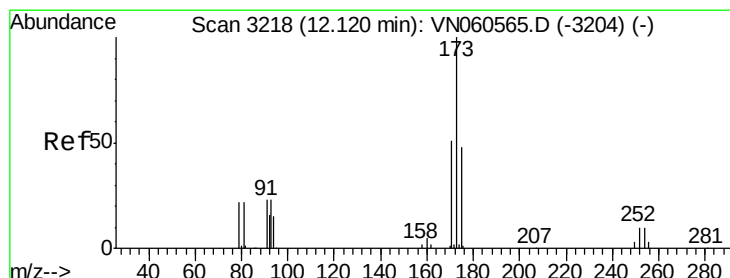
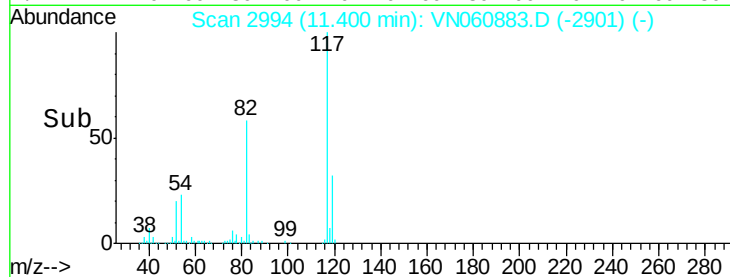
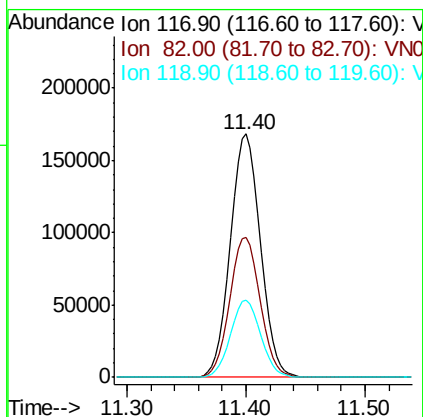
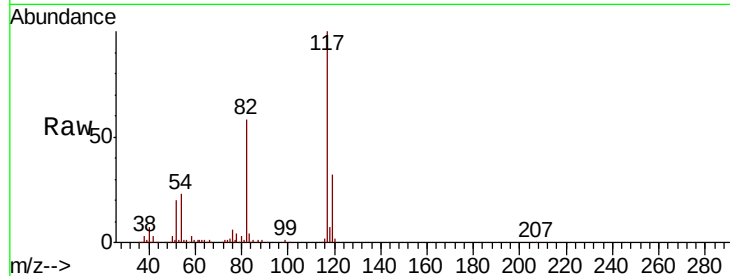




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060883.D
Acq: 7 Apr 2020 17:34

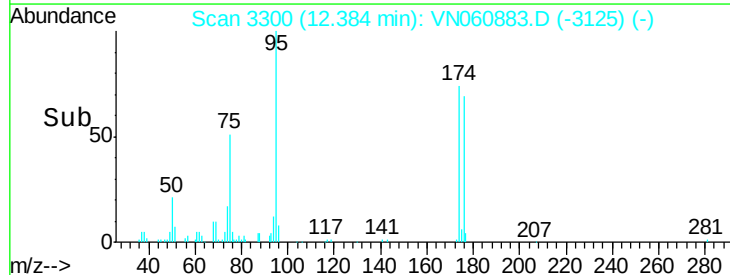
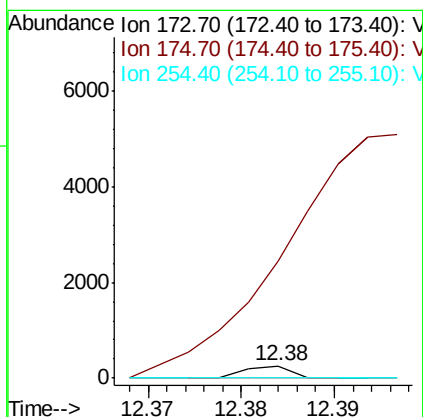
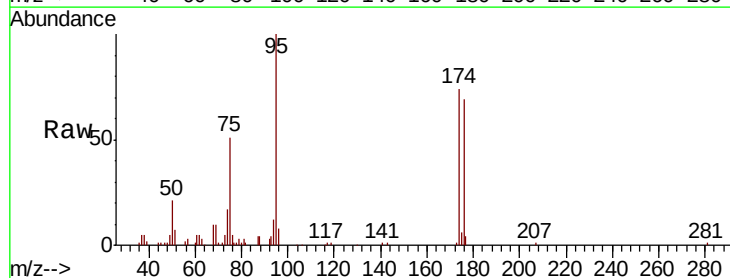
Instrument :
MSVOA_N
ClientSampled :
MW-4I

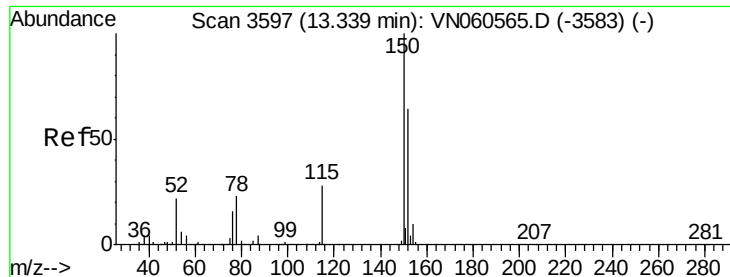
Tot Ion:117 Resp: 295670
Ion Ratio Lower Upper
117 100
82 57.7 46.7 70.1
119 31.9 25.5 38.3



#71
Bromoform
Concen: 1.728 ug/l
RT: 12.38 min Scan# 3300
Delta R.T. 0.26 min
Lab File: VN060883.D
Acq: 7 Apr 2020 17:34

Tgt Ion:173 Resp: 86
Ion Ratio Lower Upper
173 100
175 8127.9 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: VN060883.D

Acq: 7 Apr 2020 17:34

Instrument :

MSVOA_N

ClientSampleId :

MW-4I

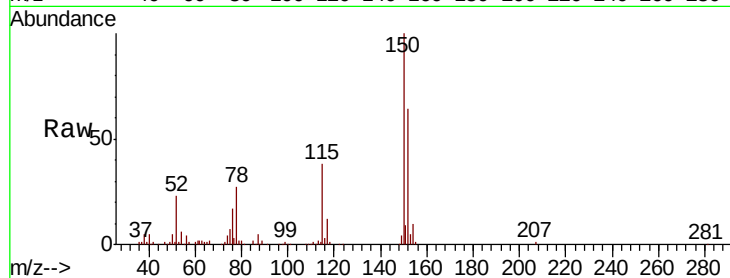
Tot Ion:152 Resp: 132018

Ion Ratio Lower Upper

152 100

115 59.5 30.2 90.6

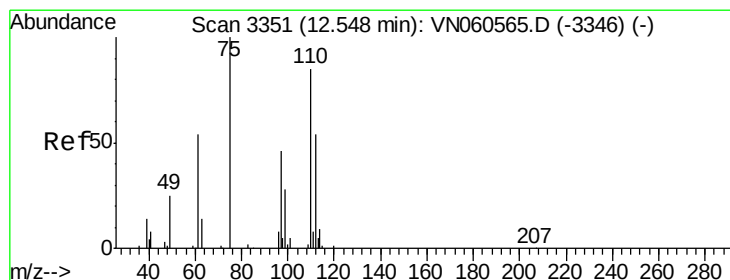
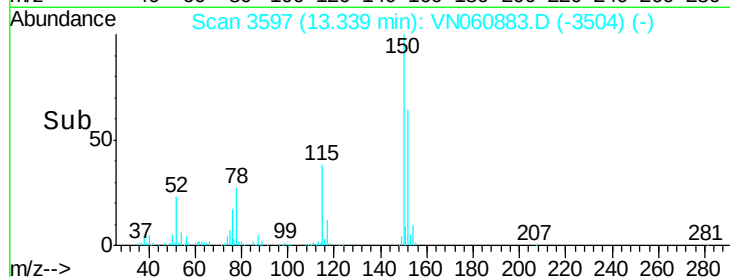
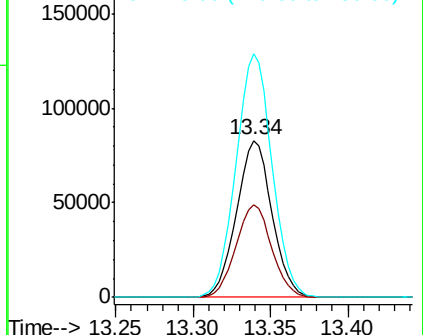
150 157.6 0.0 350.2



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: 25.290 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060883.D

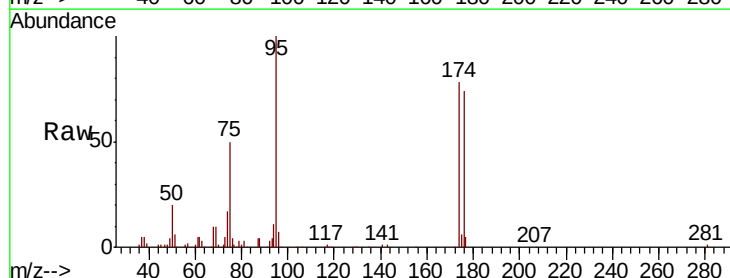
Acq: 7 Apr 2020 17:34

Tgt Ion: 75 Resp: 72043

Ion Ratio Lower Upper

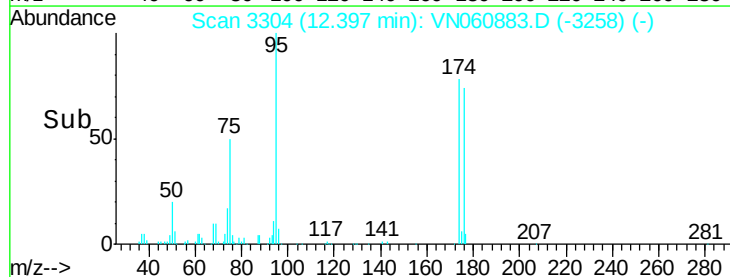
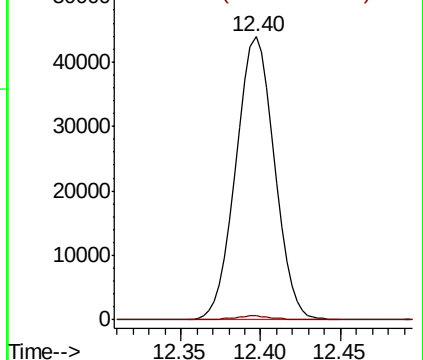
75 100

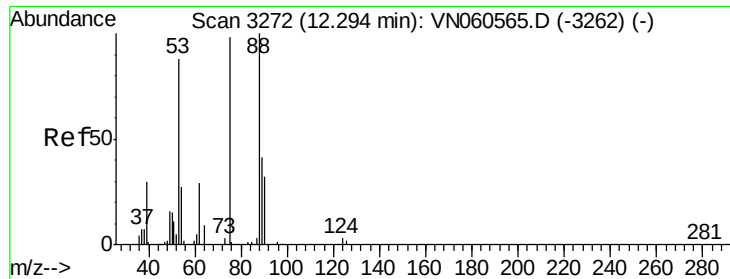
77 1.3 0.0 0.0#



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: 64.952 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060883.D

Acq: 7 Apr 2020 17:34

Instrument :

MSVOA_N

ClientSampleId :

MW-4I

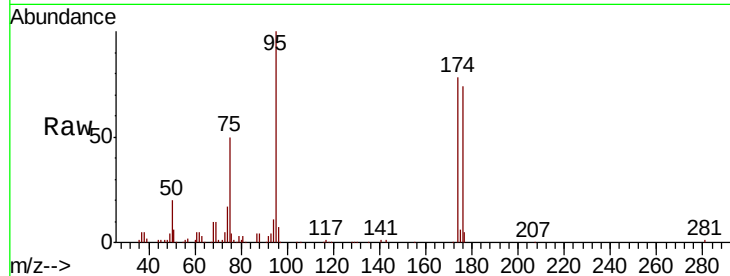
Tot Ion: 75 Resp: 72043

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

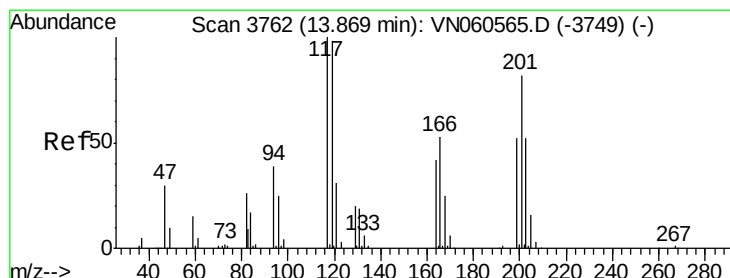
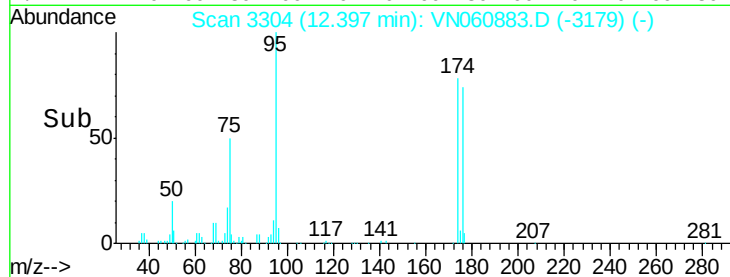
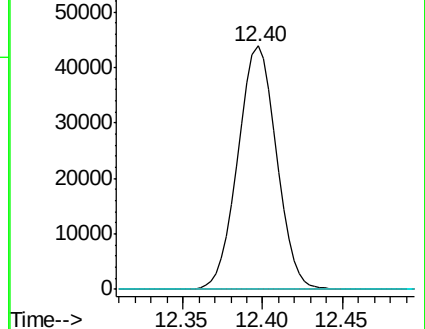
89 0.0 34.8 52.2#



Abundance Ion 74.90 (74.60 to 75.60): VN060883.D (-3304) (-)

Ion 53.00 (52.70 to 53.70): VN060883.D (-3304) (-)

Ion 88.90 (88.60 to 89.60): VN060883.D (-3304) (-)



#90

Hexachloroethane

Concen: 0.213 ug/l

RT: 13.99 min Scan# 3800

Delta R.T. 0.12 min

Lab File: VN060883.D

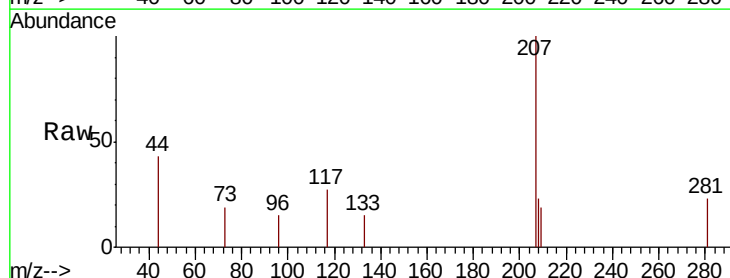
Acq: 7 Apr 2020 17:34

Tgt Ion: 117 Resp: 261

Ion Ratio Lower Upper

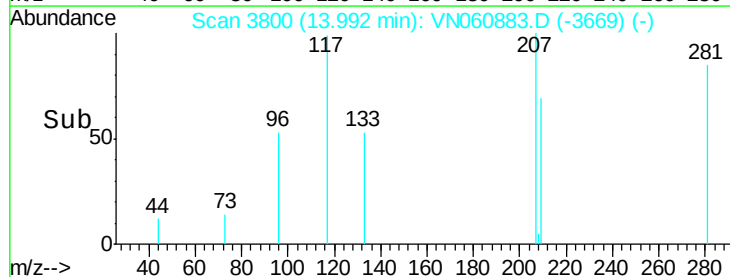
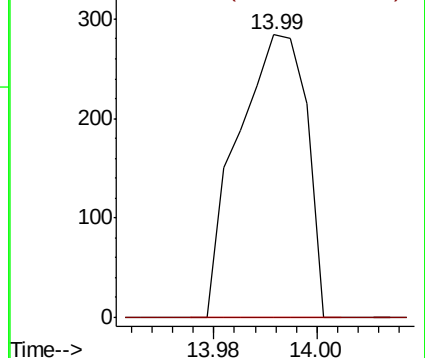
117 100

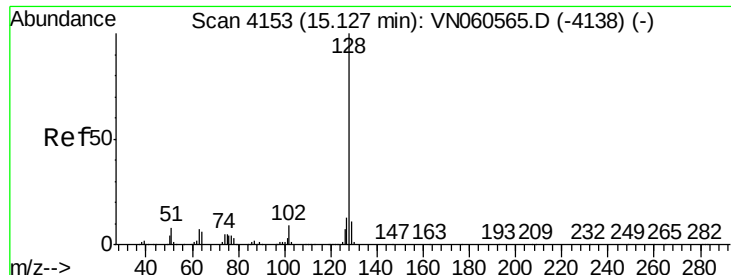
201 0.0 40.8 122.5#



Abundance Ion 116.80 (116.50 to 117.50): VN060883.D (-3800) (-)

Ion 200.70 (200.40 to 201.40): VN060883.D (-3800) (-)





#95

Naphthalene

Concen: 0.327 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN060883.D

Acq: 7 Apr 2020 17:34

Instrument :

MSVOA_N

ClientSampleId :

MW-41

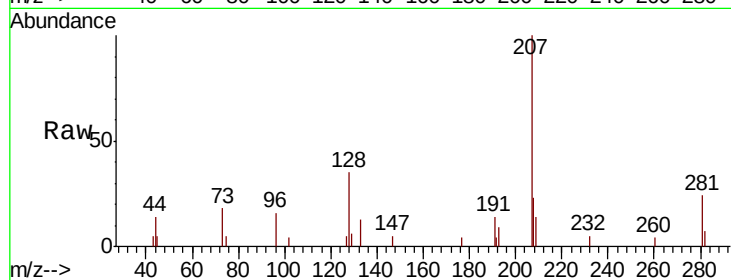
Tot Ion:128 Resp: 2433

Ion Ratio Lower Upper

128 100

127 4.0 10.2 15.2#

129 8.8 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

