

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041520\
 Data File : VN060979.D
 Acq On : 15 Apr 2020 22:17
 Operator : JC/MD
 Sample : VN0415WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 16 06:39:52 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	136965	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	231801	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	220311	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	98076	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	93086	49.51	ug/l	0.00
Spiked Amount			Recovery	=	99.02%	
35) Dibromofluoromethane	7.56	113	69655	49.70	ug/l	0.00
Spiked Amount			Recovery	=	99.40%	
50) Toluene-d8	10.08	98	289431	50.55	ug/l	0.00
Spiked Amount			Recovery	=	101.10%	
62) 4-Bromofluorobenzene	12.39	95	108408	51.67	ug/l	0.00
Spiked Amount			Recovery	=	103.34%	

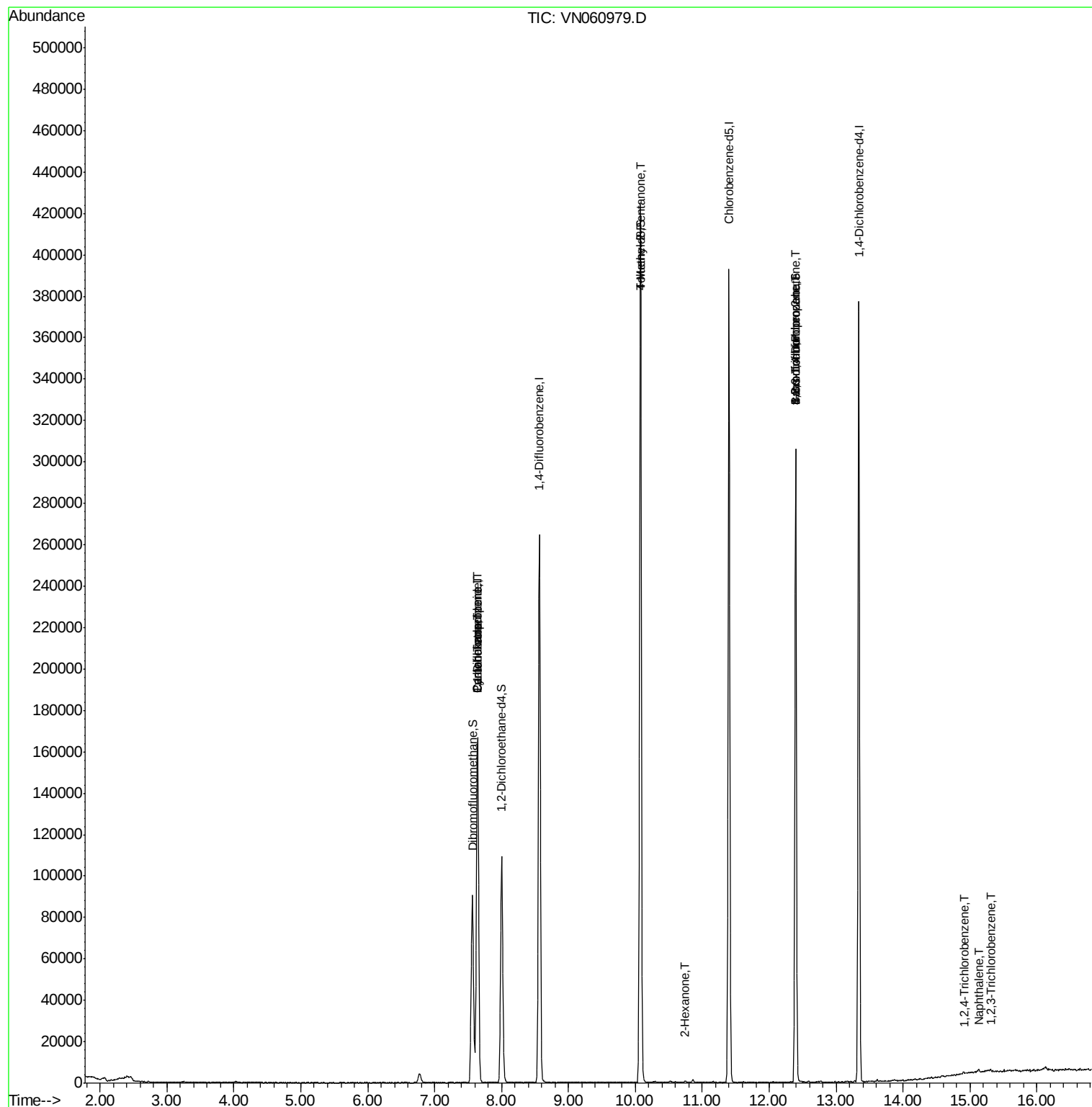
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	7.64	56	3050	1.007	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	11051	4.923	ug/l #	48
38) Carbon Tetrachloride	7.64	117	13169	6.546	ug/l #	16
51) 4-Methyl-2-Pentanone	10.08	43	1332	0.585	ug/l #	1
59) 2-Hexanone	10.74	43	351	0.214	ug/l #	25
71) Bromoform	12.40	173	459	2.018	ug/l #	1
76) 1,2,3-Trichloropropane	12.39	75	55230	26.098	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.39	75	55230	67.027	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.91	180	368	0.200	ug/l #	83
95) Naphthalene	15.13	128	1703	0.308	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.31	180	505	0.279	ug/l #	71

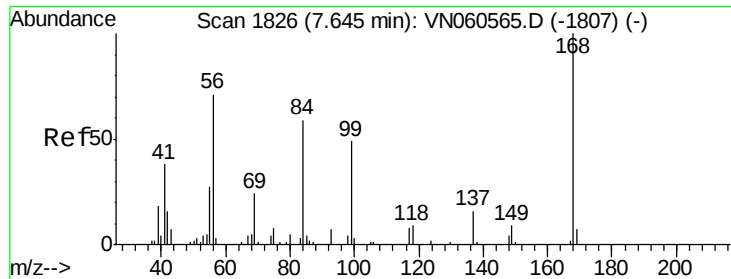
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN041520\
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QLast Update : Wed Mar 18 08:49:09 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: VN060979.D

Acq: 15 Apr 2020 22:17

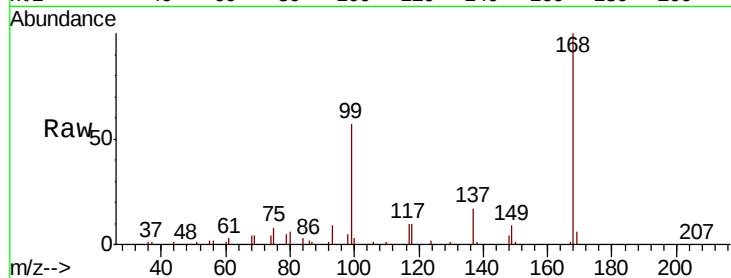
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 136965

Ion Ratio Lower Upper

168 100

99 57.4 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

60000

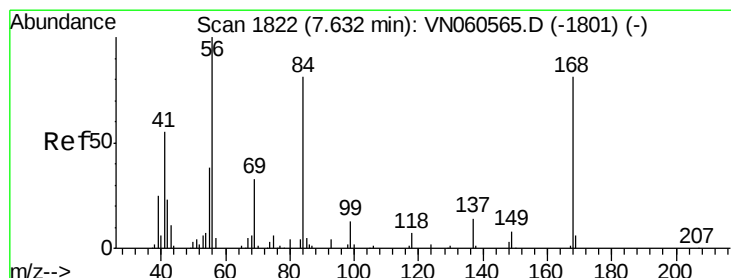
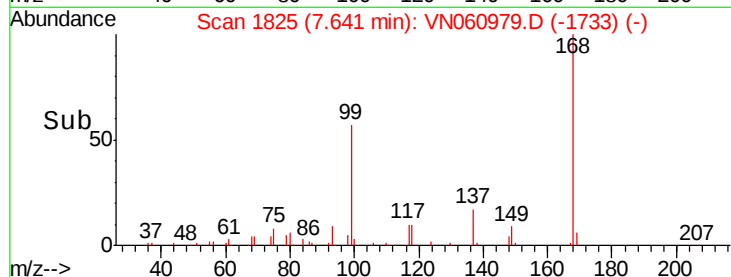
40000

20000

0

7.60 7.70

Time-->



#31

Cyclohexane

Concen: 1.007 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN060979.D

Acq: 15 Apr 2020 22:17

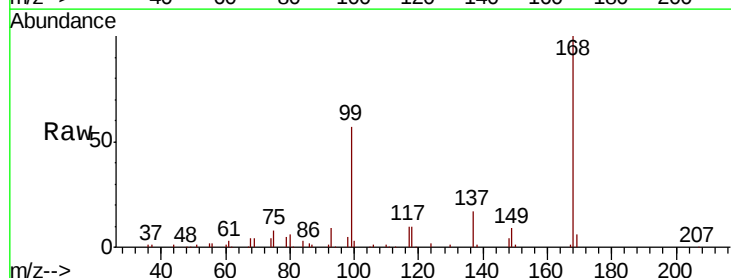
Tgt Ion: 56 Resp: 3050

Ion Ratio Lower Upper

56 100

69 158.5 26.6 40.0#

84 137.5 64.3 96.5#



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 69.00 (68.70 to 69.70): VN

Ion 84.00 (83.70 to 84.70): VN

2500

2000

1500

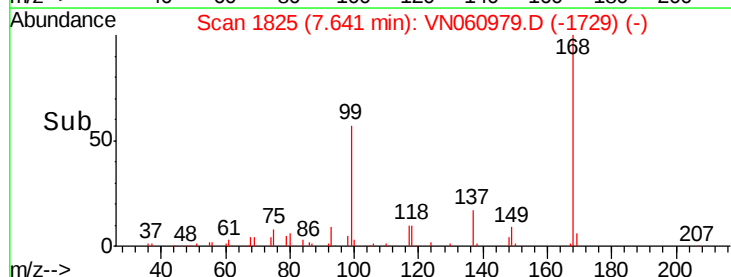
1000

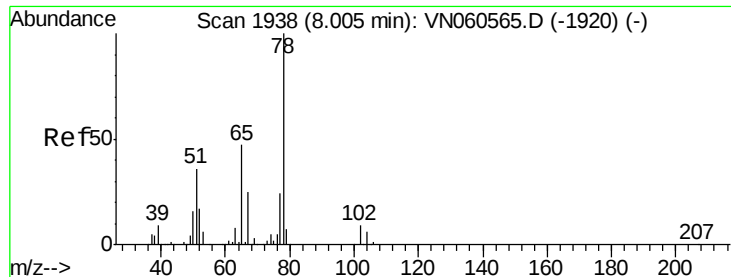
500

0

7.60 7.65 7.70

Time-->

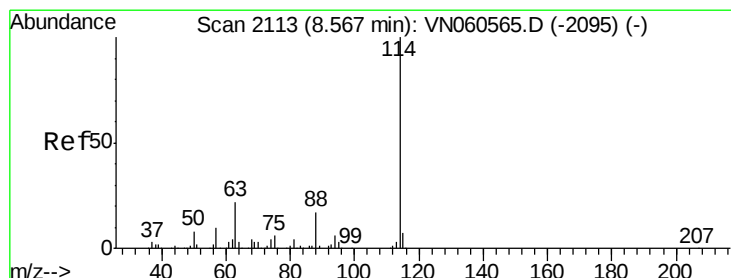
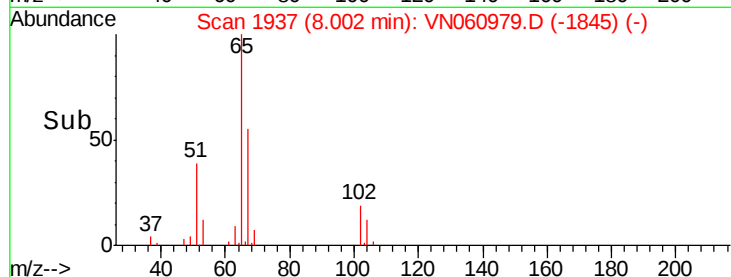
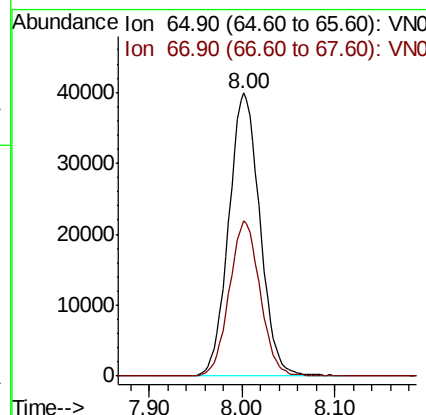
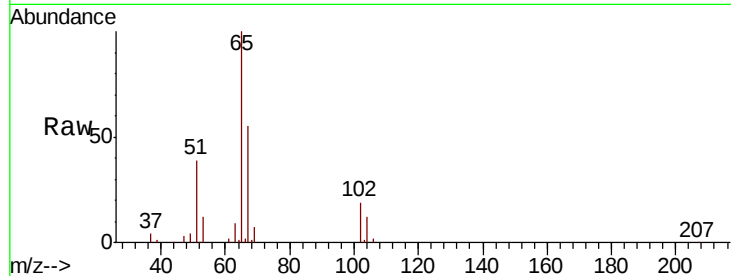




#33
 1,2-Dichloroethane-d4
 Concen: 49.508 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060979.D
 Acq: 15 Apr 2020 22:17

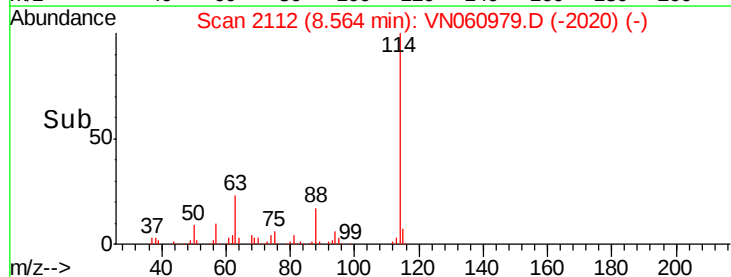
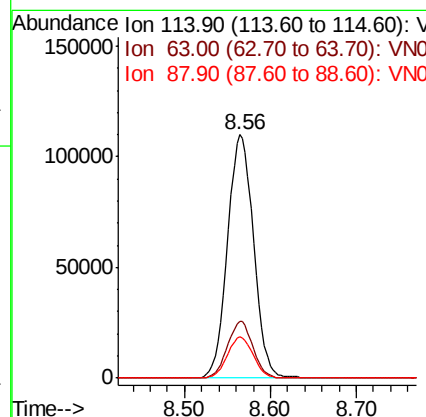
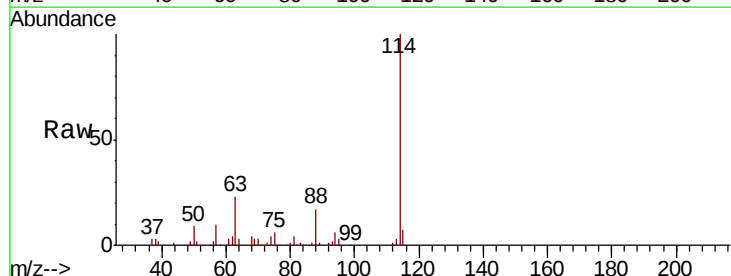
Instrument :
 MSVOA_N
 ClientSampled :

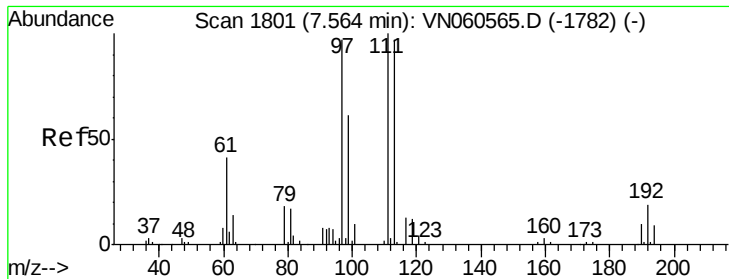
Tot Ion: 65 Resp: 93086
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060979.D
 Acq: 15 Apr 2020 22:17

Tgt Ion: 114 Resp: 231801
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 43.8
 88 16.8 0.0 33.0

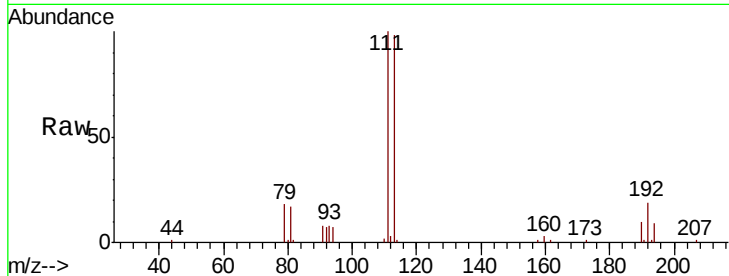




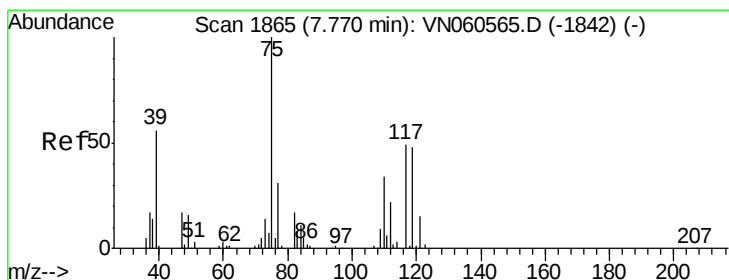
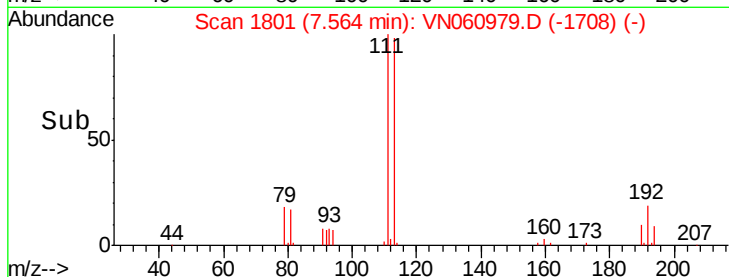
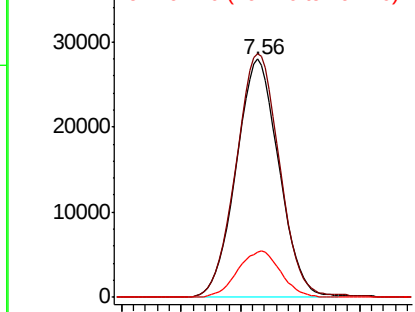
#35
 Dibromofluoromethane
 Concen: 49.696 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN060979.D
 Acq: 15 Apr 2020 22:17

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 69655
 Ion Ratio Lower Upper
 113 100
 111 104.1 82.9 124.3
 192 19.6 15.8 23.8

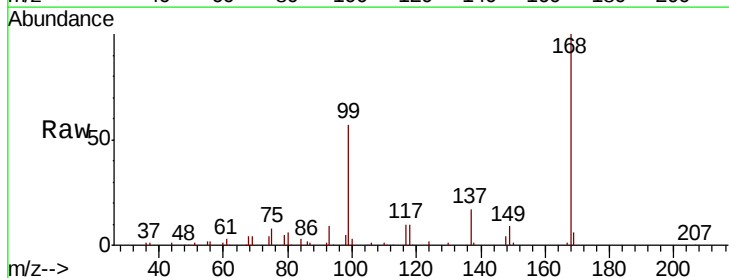


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

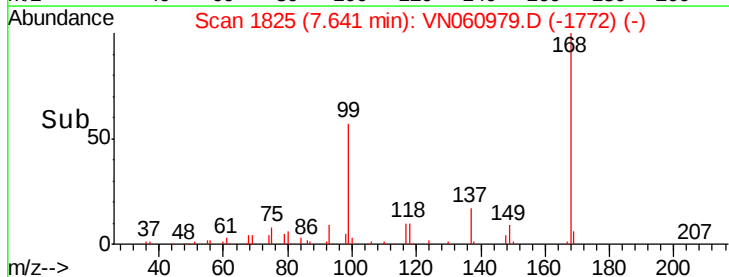
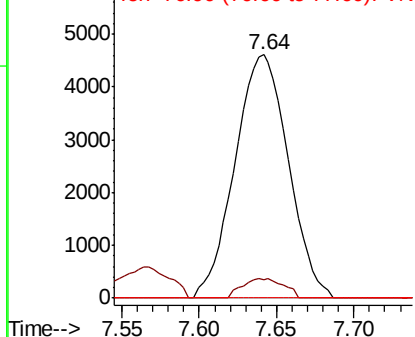


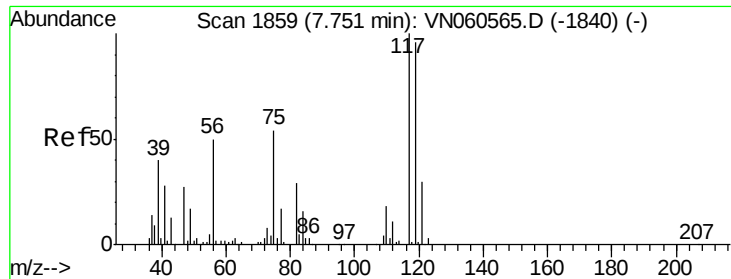
#36
 1,1-Dichloropropene
 Concen: 4.923 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060979.D
 Acq: 15 Apr 2020 22:17

Tgt Ion: 75 Resp: 11051
 Ion Ratio Lower Upper
 75 100
 110 6.2 16.9 50.6#
 77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

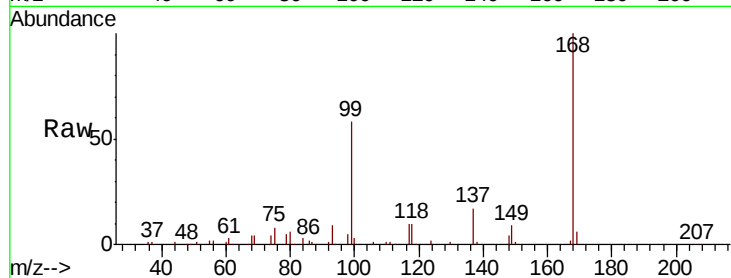




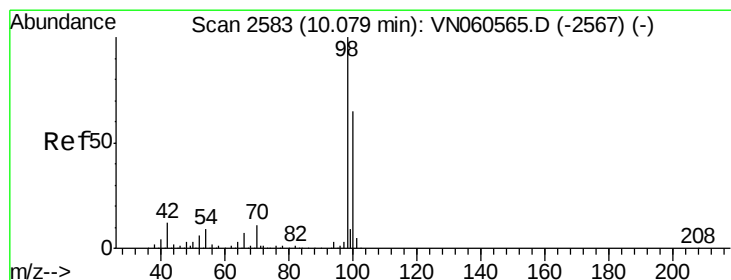
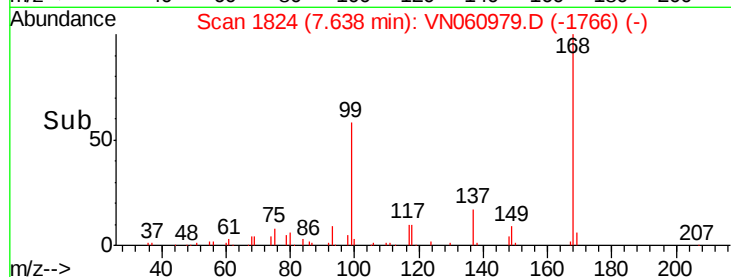
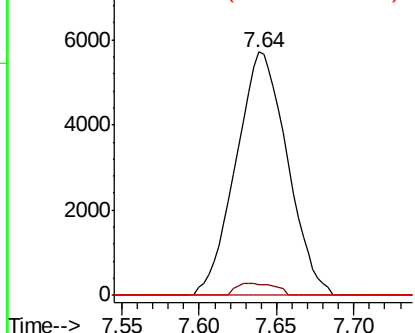
#38
Carbon Tetrachloride
Concen: 6.546 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. -0.11 min
Lab File: VN060979.D
Acq: 15 Apr 2020 22:17

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 13169
Ion Ratio Lower Upper
117 100
119 4.4 76.2 114.2#
121 0.0 23.7 35.5#

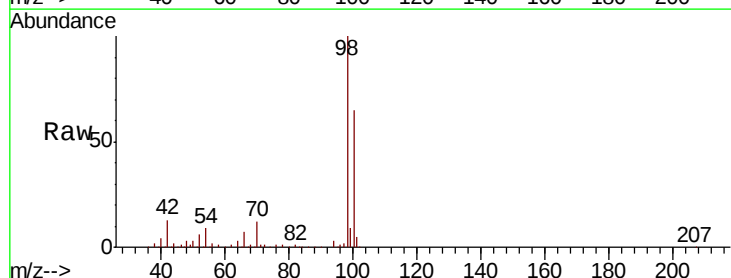


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

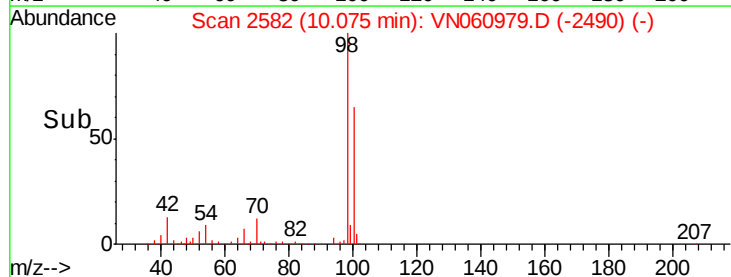
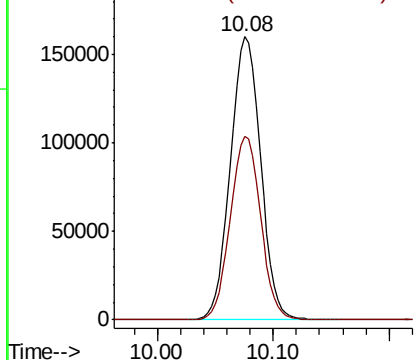


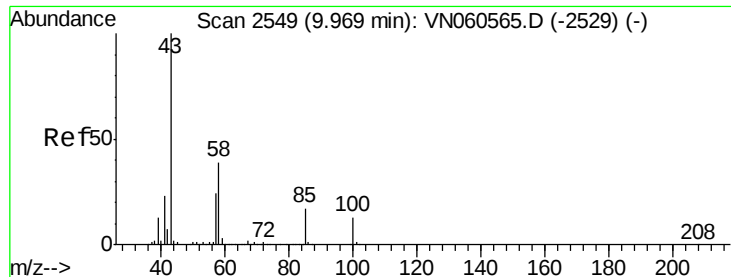
#50
Toluene-d8
Concen: 50.555 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060979.D
Acq: 15 Apr 2020 22:17

Tgt Ion: 98 Resp: 289431
Ion Ratio Lower Upper
98 100
100 64.8 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): V
Ion 100.00 (99.70 to 100.70): V

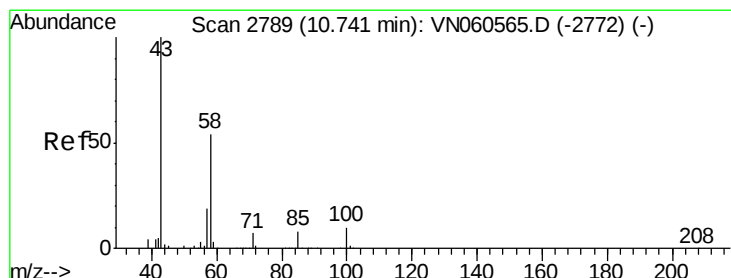
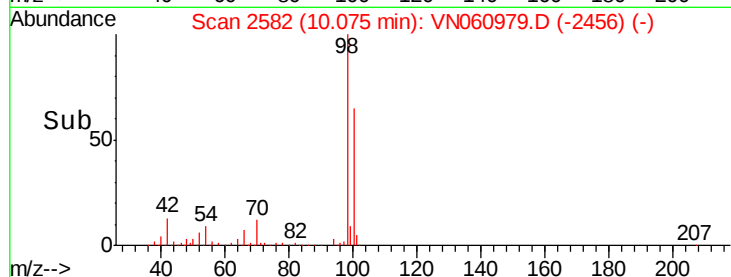
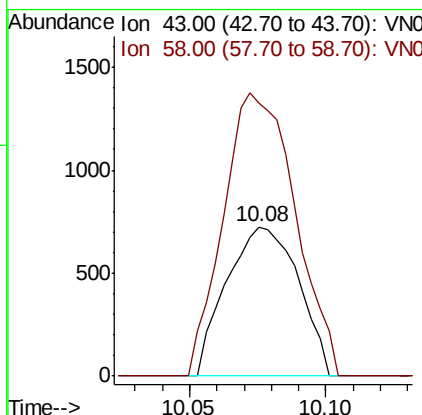
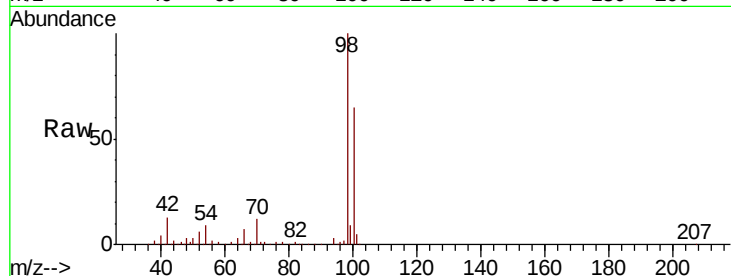




#51
 4-Methyl-2-Pentanone
 Concen: 0.585 ug/l
 RT: 10.08 min Scan# 2582
 Delta R.T. 0.11 min
 Lab File: VN060979.D
 Acq: 15 Apr 2020 22:17

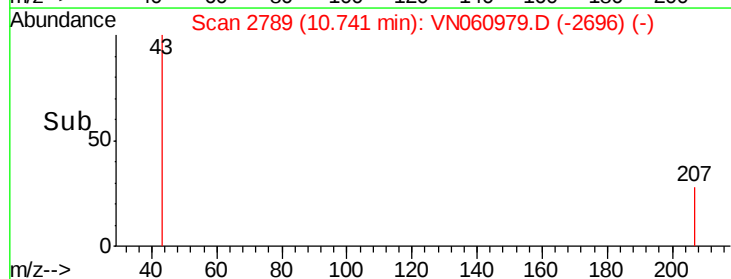
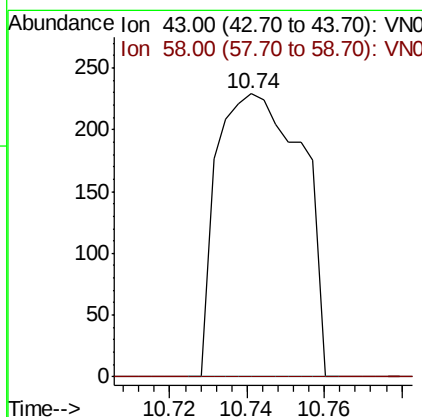
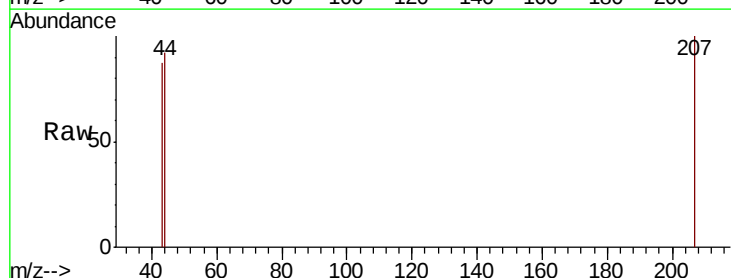
Instrument :
 MSVOA_N
 ClientSampled :

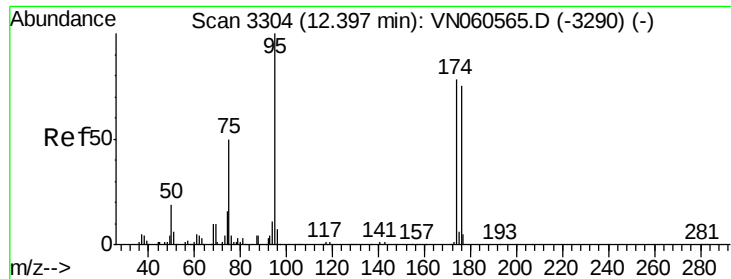
Tot Ion: 43 Resp: 1332
 Ion Ratio Lower Upper
 43 100
 58 188.9 30.8 46.2#



#59
 2-Hexanone
 Concen: 0.214 ug/l
 RT: 10.74 min Scan# 2789
 Delta R.T. 0.00 min
 Lab File: VN060979.D
 Acq: 15 Apr 2020 22:17

Tgt Ion: 43 Resp: 351
 Ion Ratio Lower Upper
 43 100
 58 0.0 26.7 80.1#





#62

4-Bromofluorobenzene

Concen: 51.668 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.00 min

Lab File: VN060979.D

Acq: 15 Apr 2020 22:17

Instrument :

MSVOA_N

ClientSampled :

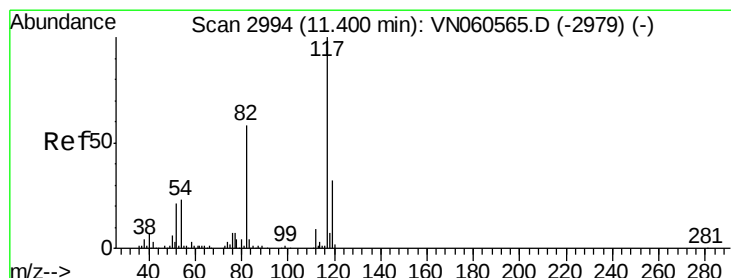
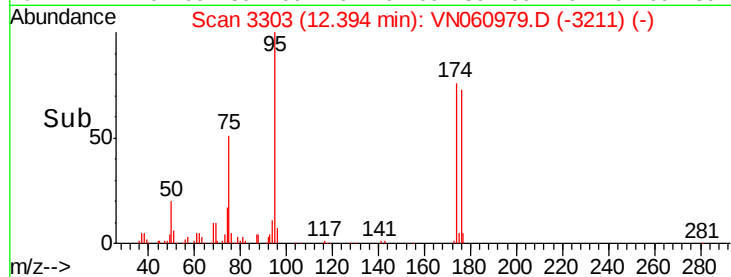
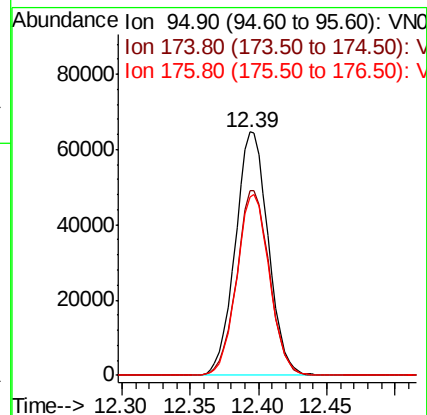
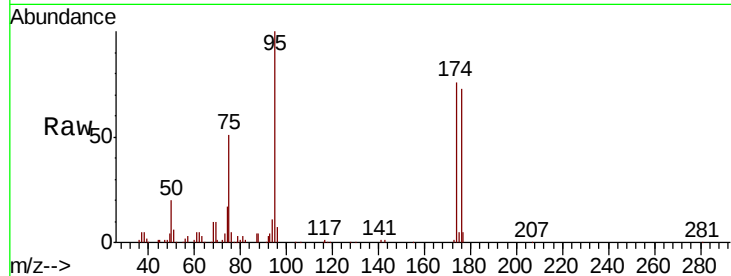
Tot Ion: 95 Resp: 108408

Ion Ratio Lower Upper

95 100

174 75.4 0.0 157.6

176 73.7 0.0 150.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2993

Delta R.T. -0.00 min

Lab File: VN060979.D

Acq: 15 Apr 2020 22:17

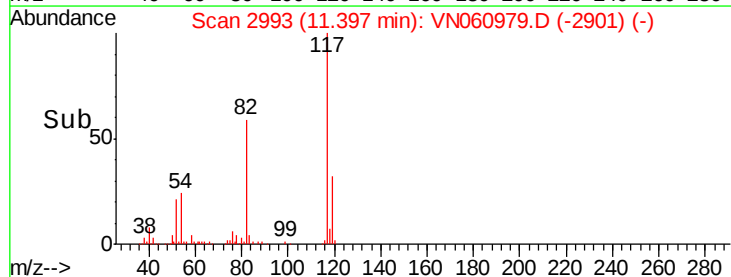
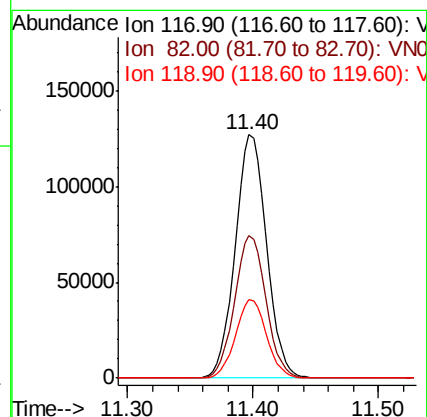
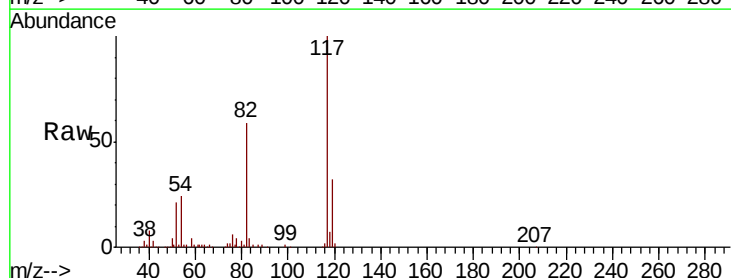
Tgt Ion: 117 Resp: 220311

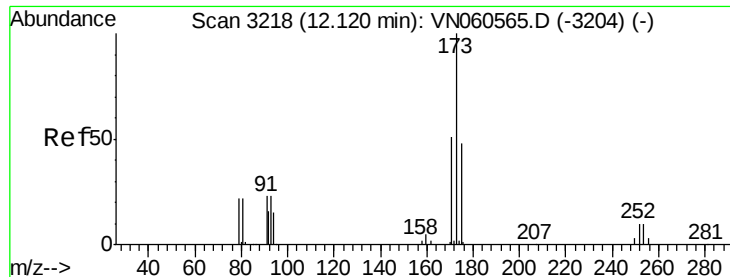
Ion Ratio Lower Upper

117 100

82 58.5 46.7 70.1

119 32.0 25.5 38.3





#71

Bromoform

Concen: 2.018 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.28 min

Lab File: VN060979.D

Acq: 15 Apr 2020 22:17

Instrument :

MSVOA_N

ClientSampleId :

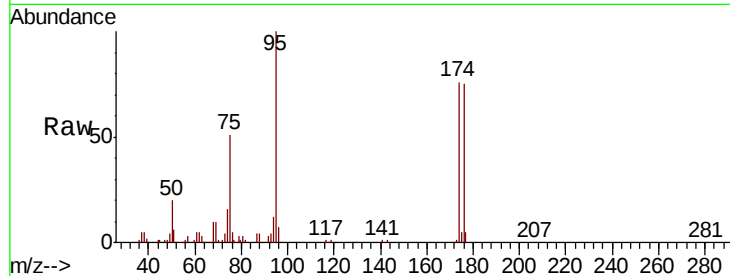
Tot Ion:173 Resp: 459

Ion Ratio Lower Upper

173 100

175 1124.4 24.1 72.4#

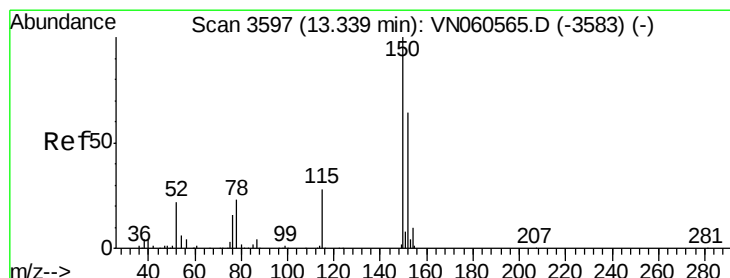
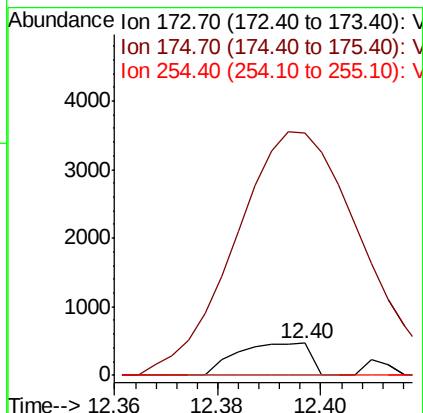
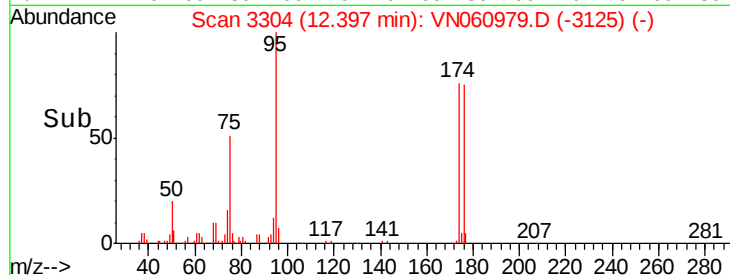
254 0.0 0.0 0.0



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: VN060979.D

Acq: 15 Apr 2020 22:17

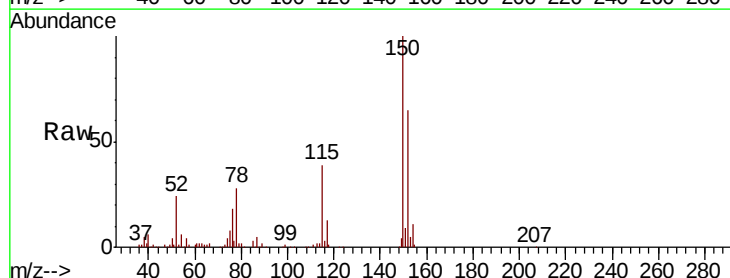
Tgt Ion:152 Resp: 98076

Ion Ratio Lower Upper

152 100

115 60.9 30.2 90.6

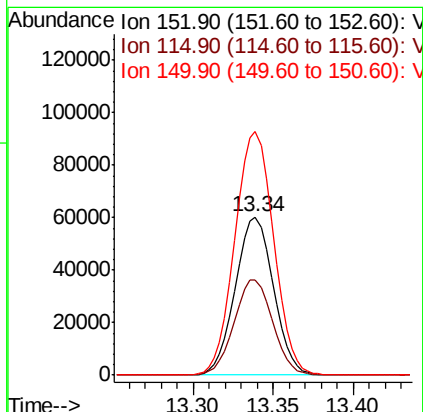
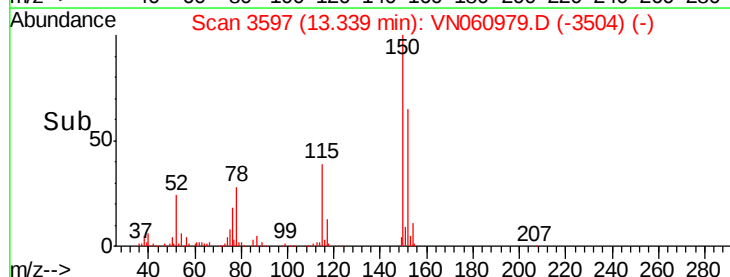
150 156.9 0.0 350.2

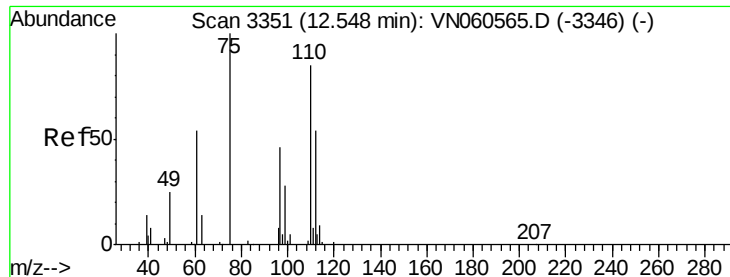


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 26.098 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.15 min

Lab File: VN060979.D

Acq: 15 Apr 2020 22:17

Instrument :

MSVOA_N

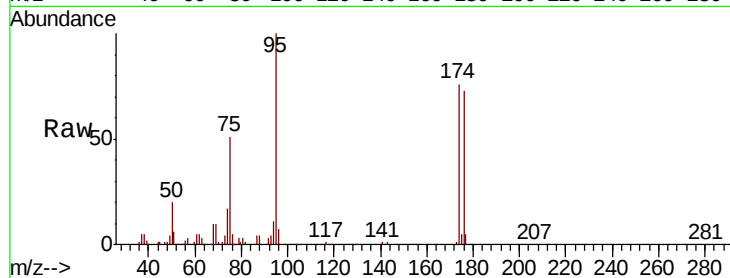
ClientSampleId :

Tot Ion: 75 Resp: 55230

Ion Ratio Lower Upper

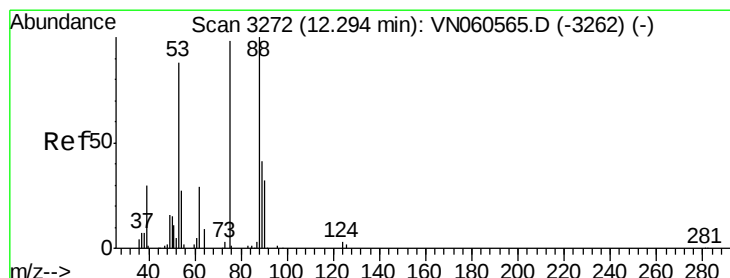
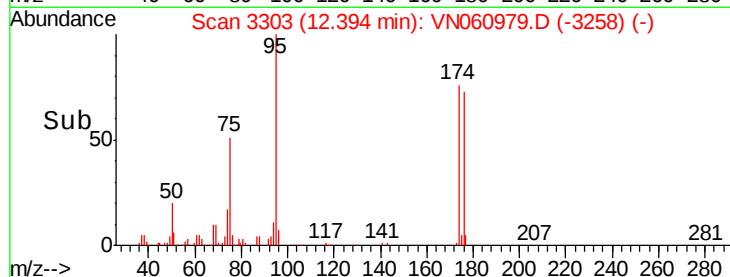
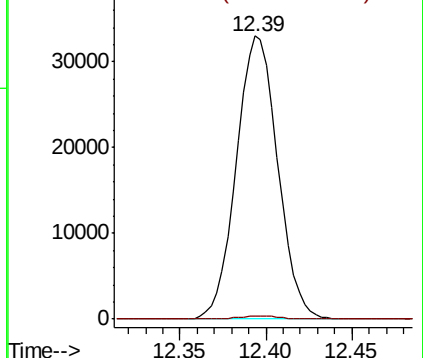
75 100

77 1.0 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: 67.027 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.10 min

Lab File: VN060979.D

Acq: 15 Apr 2020 22:17

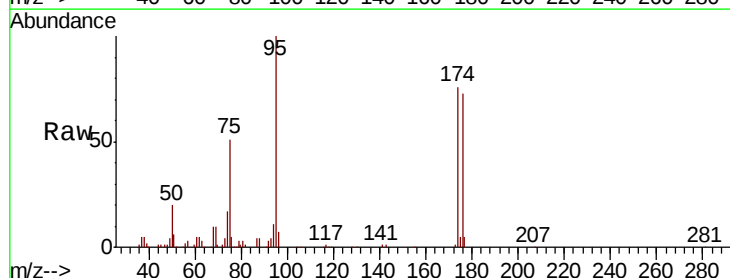
Tgt Ion: 75 Resp: 55230

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

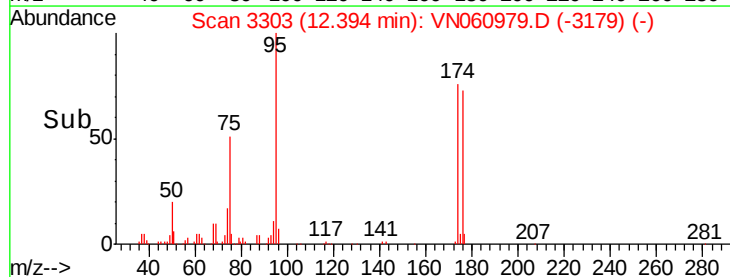
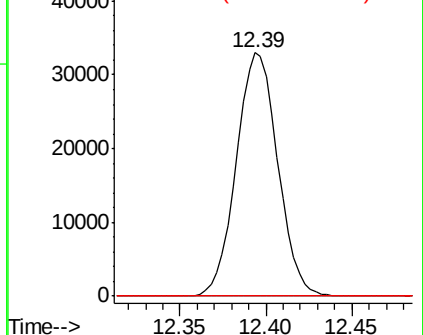
89 0.0 34.8 52.2#

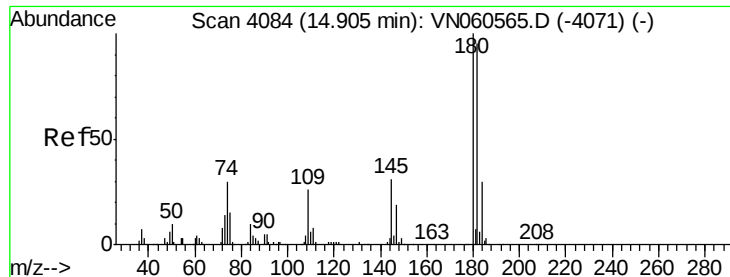


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

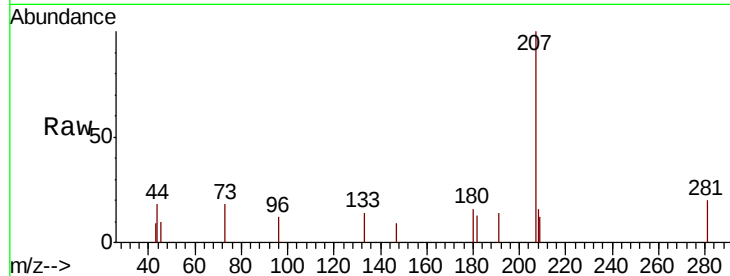




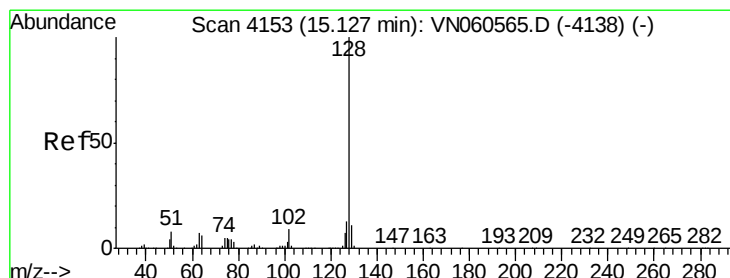
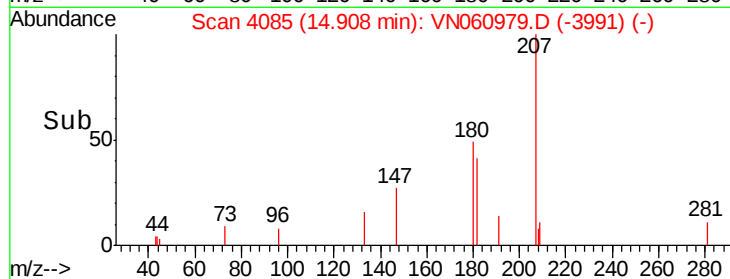
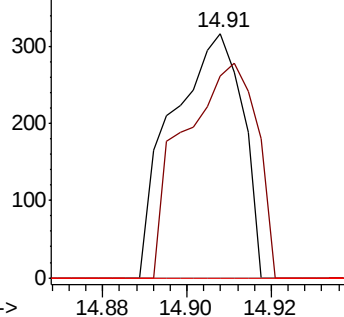
#93
 1,2,4-Trichlorobenzene
 Concen: 0.200 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060979.D
 Acq: 15 Apr 2020 22:17

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.3	47.9	143.8
145	0.0	15.4	46.2#

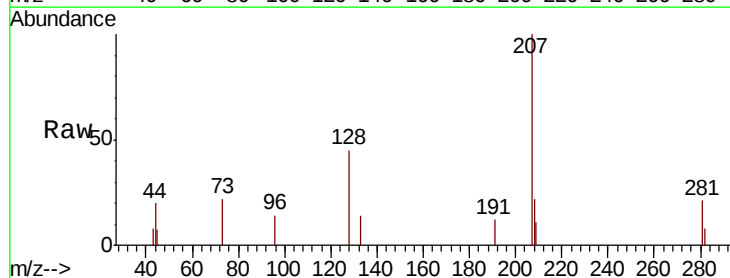


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

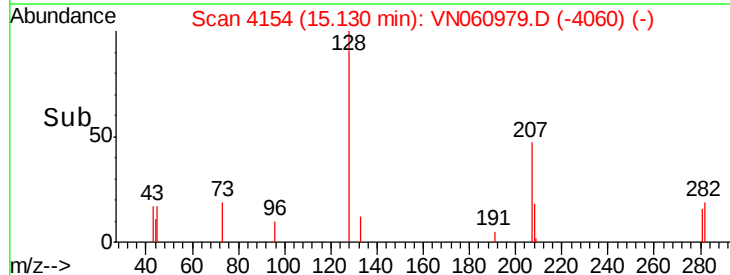
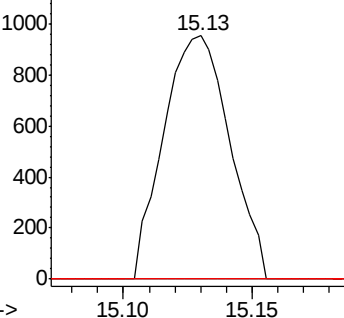


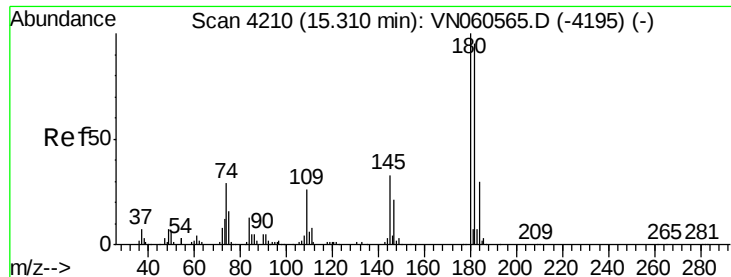
#95
 Naphthalene
 Concen: 0.308 ug/l
 RT: 15.13 min Scan# 4154
 Delta R.T. 0.00 min
 Lab File: VN060979.D
 Acq: 15 Apr 2020 22:17

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.2#
129	0.0	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

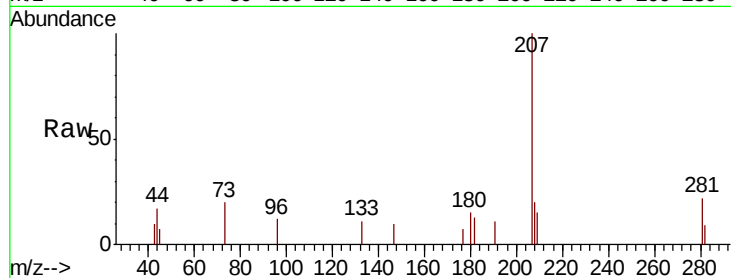




#96
 1,2,3-Trichlorobenzene
 Concen: 0.279 ug/l
 RT: 15.31 min Scan# 4209
 Delta R.T. -0.00 min
 Lab File: VN060979.D
 Acq: 15 Apr 2020 22:17

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	76.4	47.5	142.6
145	0.0	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

