

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060606.D
 Acq On : 18 Mar 2020 21:43
 Operator : JC/MD
 Sample : VN0318WBL03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBL03

Quant Time: Mar 19 05:03:54 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	198986	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	329455	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	301785	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	133102	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	126790	46.42	ug/l	0.00
Spiked Amount						
			Recovery	=	92.84%	
35) Dibromofluoromethane	7.56	113	96234	48.31	ug/l	0.00
Spiked Amount						
			Recovery	=	96.62%	
50) Toluene-d8	10.08	98	402607	49.48	ug/l	0.00
Spiked Amount						
			Recovery	=	98.96%	
62) 4-Bromofluorobenzene	12.40	95	147602	49.50	ug/l	0.00
Spiked Amount						
			Recovery	=	99.00%	

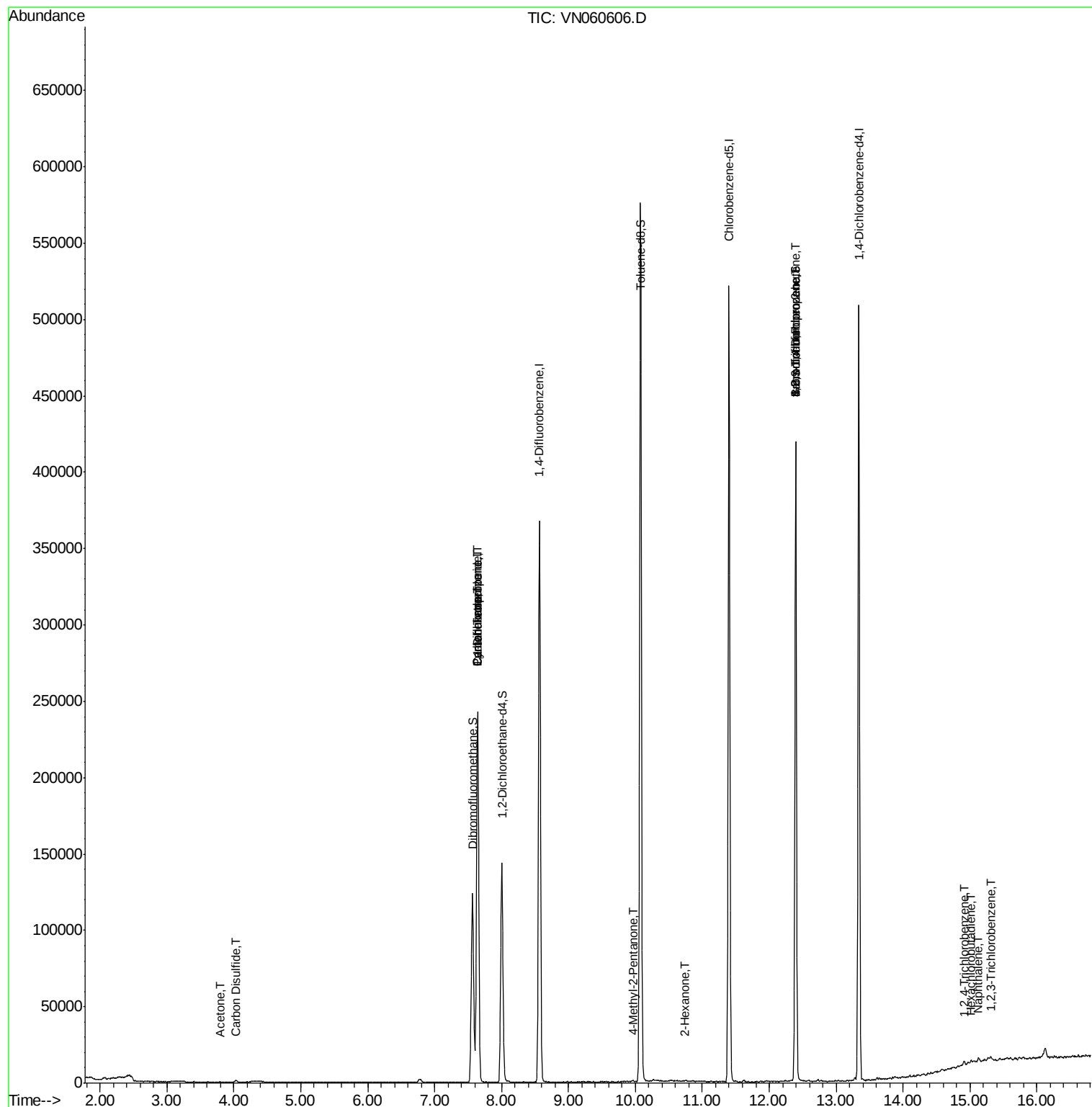
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	233	0.241	ug/l #	43
17) Carbon Disulfide	4.03	76	1805	0.275	ug/l #	75
31) Cyclohexane	7.64	56	4294	0.976	ug/l #	8
36) 1,1-Dichloropropene	7.64	75	15371	4.818	ug/l #	50
38) Carbon Tetrachloride	7.64	117	19057	6.665	ug/l #	17
51) 4-Methyl-2-Pentanone	9.97	43	719	0.222	ug/l #	73
59) 2-Hexanone	10.74	43	551	0.236	ug/l #	49
71) Bromoform	12.39	173	196	1.786	ug/l #	29
76) 1,2,3-Trichloropropane	12.40	75	75047	26.130	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	75047	67.110	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.91	180	673	0.270	ug/l	82
94) Hexachlorobutadiene	15.01	225	269	0.220	ug/l	66
95) Naphthalene	15.13	128	2747	0.366	ug/l #	81
96) 1,2,3-Trichlorobenzene	15.31	180	916	0.373	ug/l #	83

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

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Quant Title : SW846 8260
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# 1826

Delta R.T. 0.00 min

Lab File: VN060606.D

Acq: 18 Mar 2020 21:43

Instrument :

MSVOA_N

ClientSampleId :

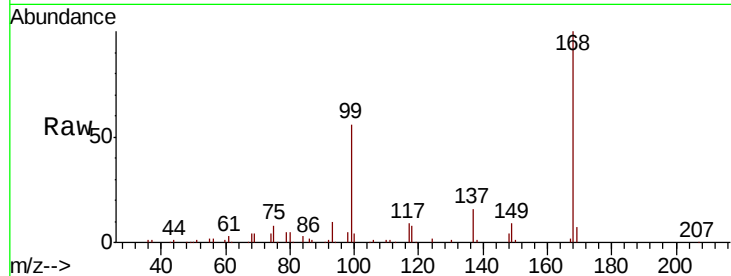
VN0318WBL03

Tot Ion:168 Resp: 198986

Ion Ratio Lower Upper

168 100

99 56.4 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.64

80000

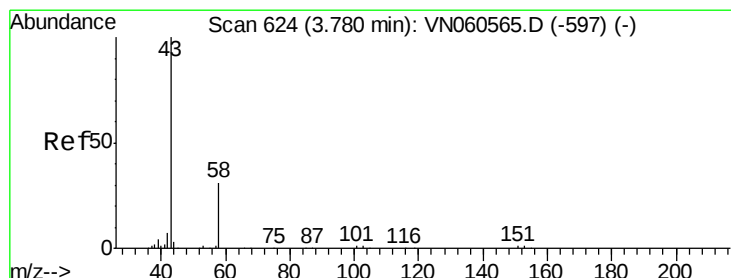
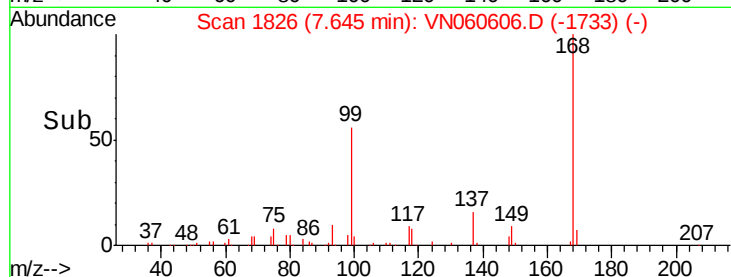
60000

40000

20000

0

Time--> 7.50 7.60 7.70 7.80



#16

Acetone

Concen: 0.241 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.02 min

Lab File: VN060606.D

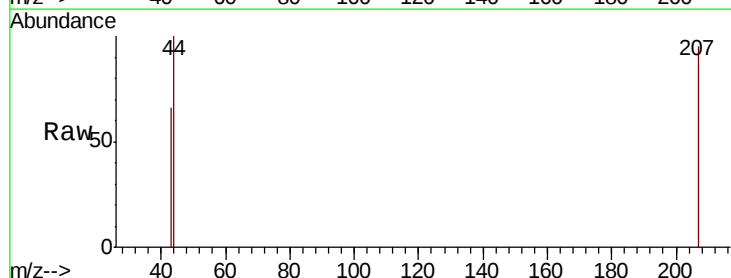
Acq: 18 Mar 2020 21:43

Tgt Ion: 43 Resp: 233

Ion Ratio Lower Upper

43 100

58 0.0 25.1 37.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.80

200

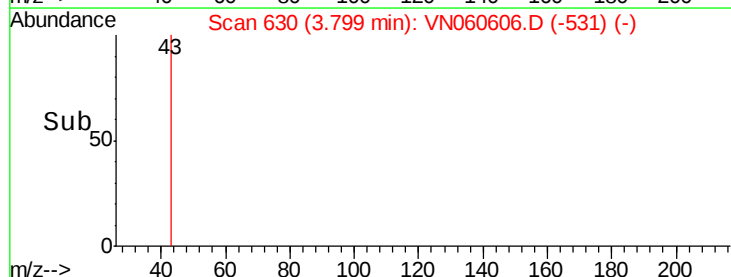
150

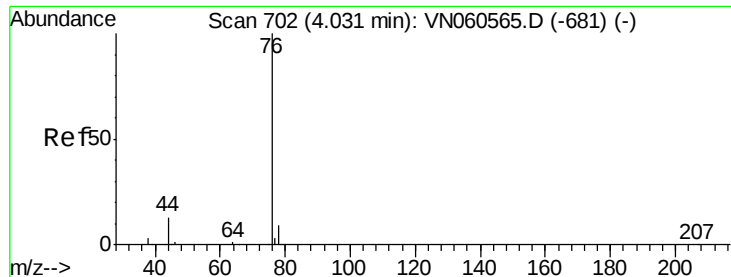
100

50

0

Time--> 3.78 3.80 3.82





#17

Carbon Disulfide

Concen: 0.275 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN060606.D

Acq: 18 Mar 2020 21:43

Instrument :

MSVOA_N

ClientSampleId :

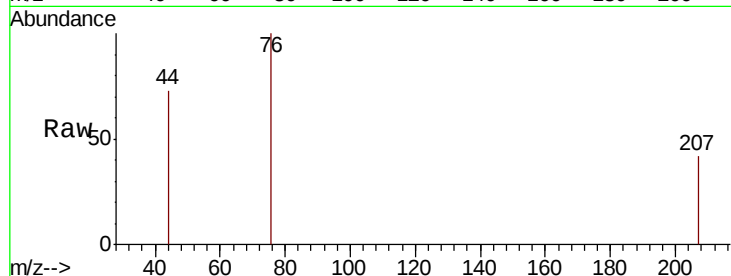
VN0318WBL03

Tot Ion: 76 Resp: 1805

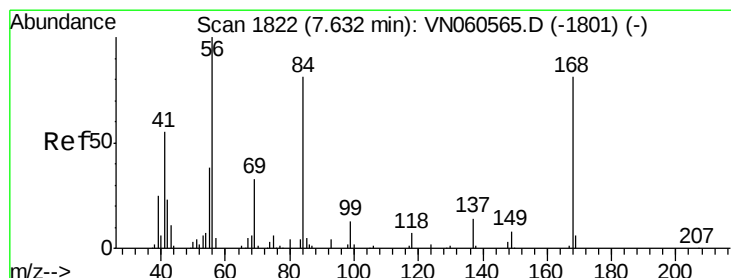
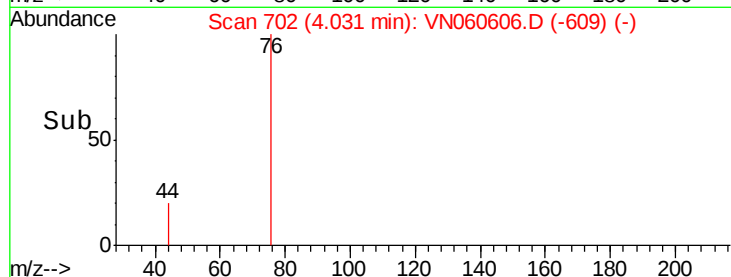
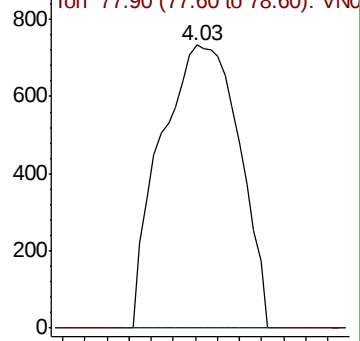
Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VN060606.D (-1729) (-)



#31

Cyclohexane

Concen: 0.976 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.01 min

Lab File: VN060606.D

Acq: 18 Mar 2020 21:43

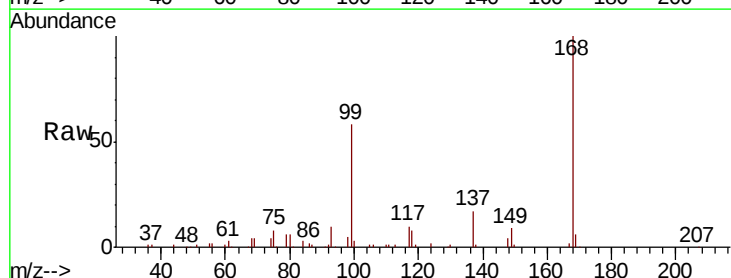
Tgt Ion: 56 Resp: 4294

Ion Ratio Lower Upper

56 100

69 154.8 26.6 40.0#

84 117.4 64.3 96.5#



Abundance Ion 56.00 (55.70 to 56.70): VN060606.D (-1729) (-)

Ion 69.00 (68.70 to 69.70): VN060606.D (-1729) (-)

Ion 84.00 (83.70 to 84.70): VN060606.D (-1729) (-)

7.64

7.64

7.64

7.64

7.64

7.64

7.64

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7.64

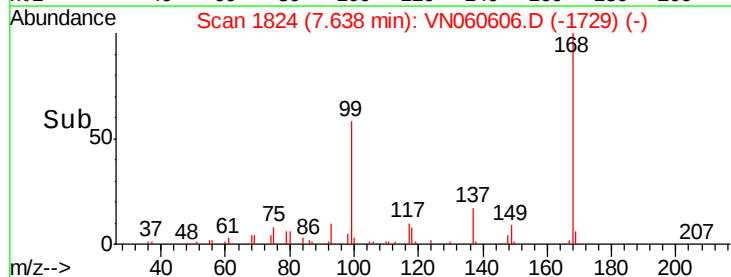
7.64

7.64

7.64

7.64

7.64



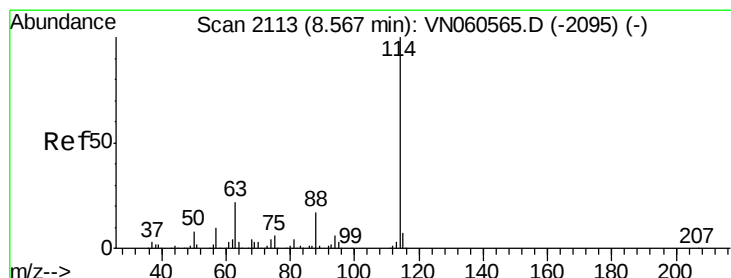
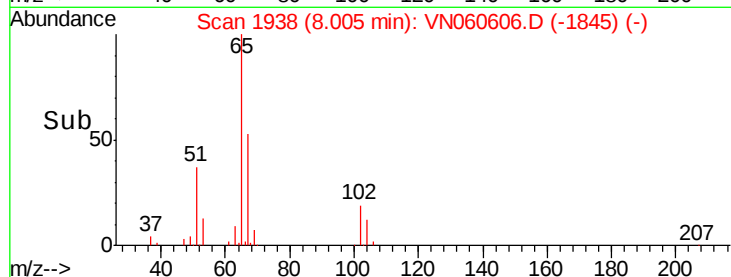
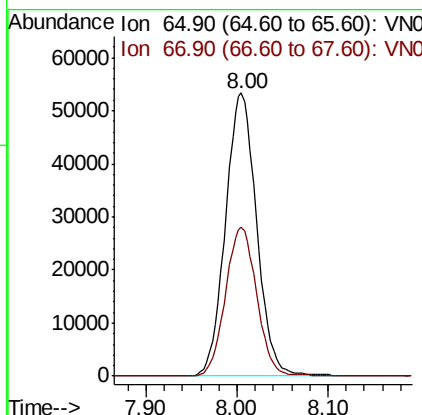
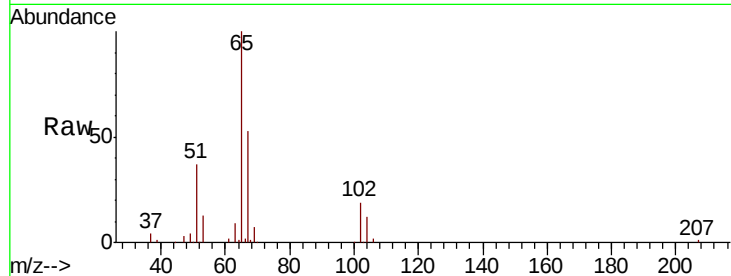
Time-->



#33
 1,2-Dichloroethane-d4
 Concen: 46.416 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060606.D
 Acq: 18 Mar 2020 21:43

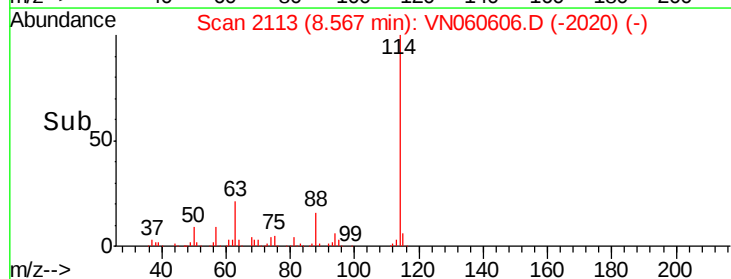
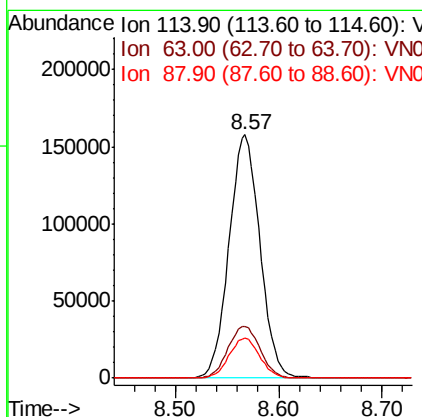
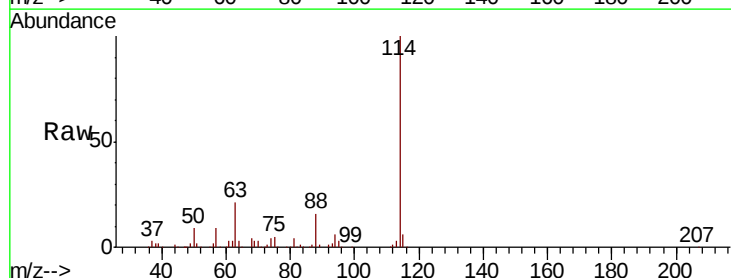
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBL03

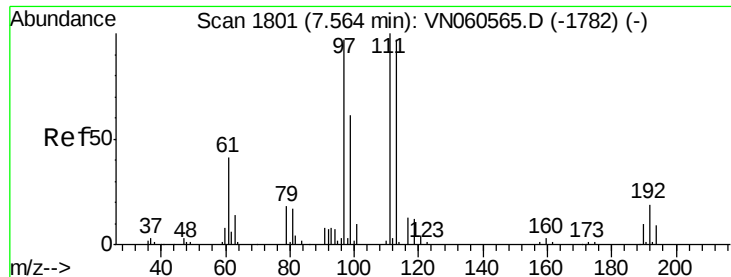
Tot Ion: 65 Resp: 126790
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060606.D
 Acq: 18 Mar 2020 21:43

Tgt Ion: 114 Resp: 329455
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 43.8
 88 16.3 0.0 33.0

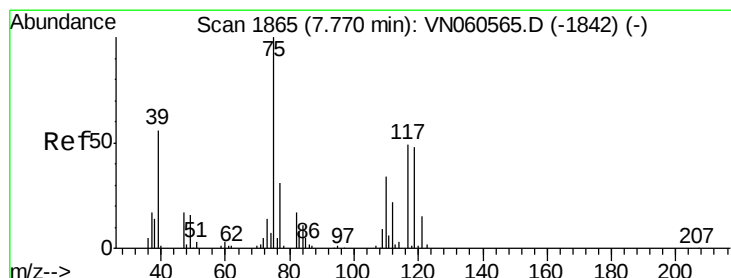
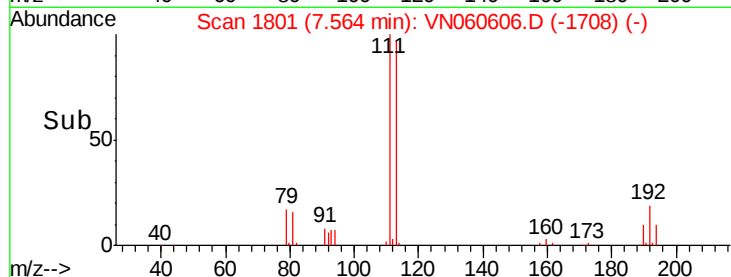
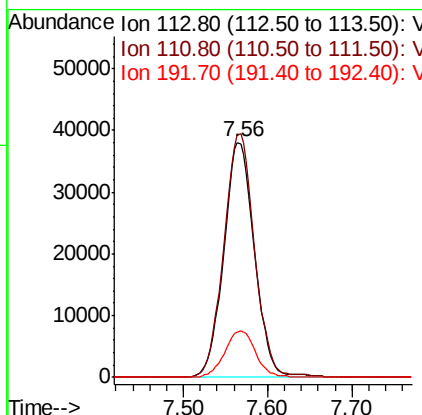
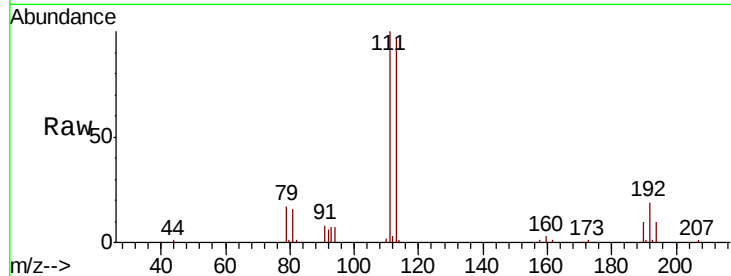




#35
 Dibromofluoromethane
 Concen: 48.308 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN060606.D
 Acq: 18 Mar 2020 21:43

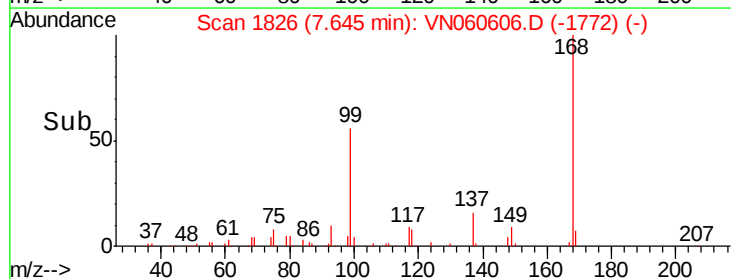
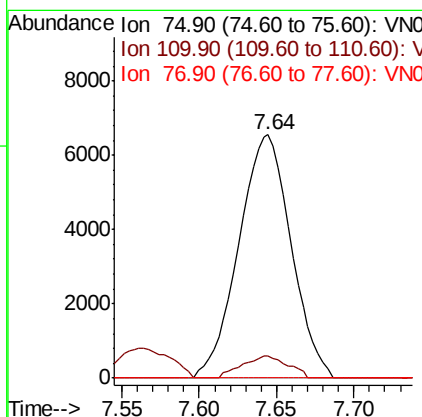
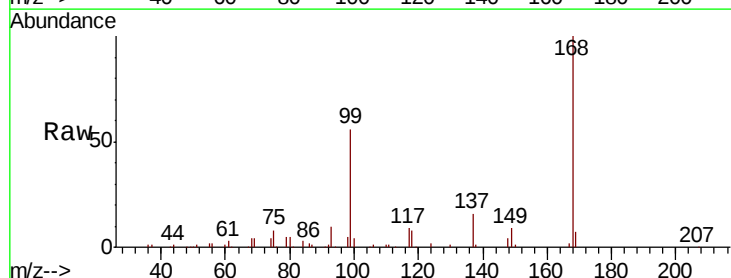
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBL03

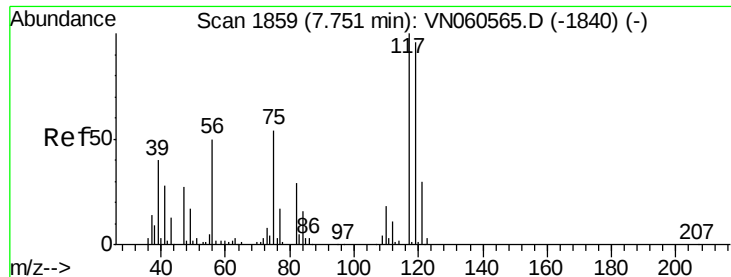
Tot Ion:113 Resp: 96234
 Ion Ratio Lower Upper
 113 100
 111 103.5 82.9 124.3
 192 19.9 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 4.818 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN060606.D
 Acq: 18 Mar 2020 21:43

Tgt Ion: 75 Resp: 15371
 Ion Ratio Lower Upper
 75 100
 110 8.0 16.9 50.6#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 6.665 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060606.D

Acq: 18 Mar 2020 21:43

Instrument :

MSVOA_N

ClientSampled :

VN0318WBL03

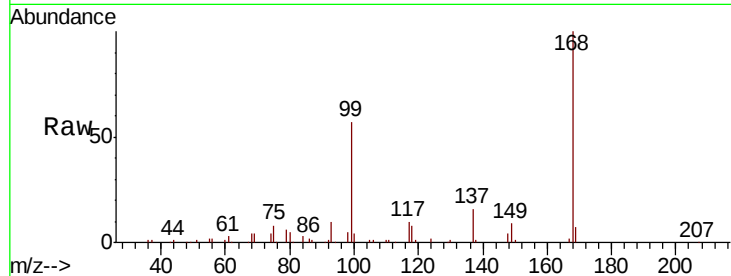
Tot Ion:117 Resp: 19057

Ion Ratio Lower Upper

117 100

119 5.5 76.2 114.2#

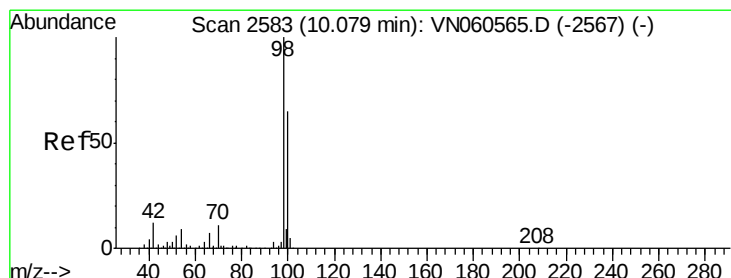
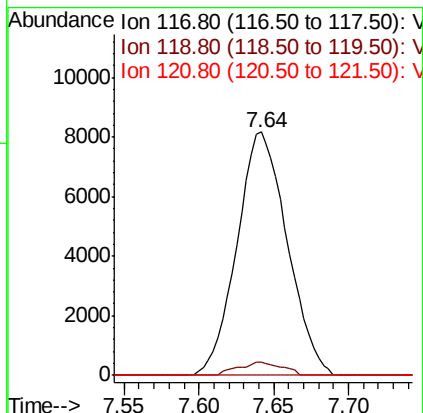
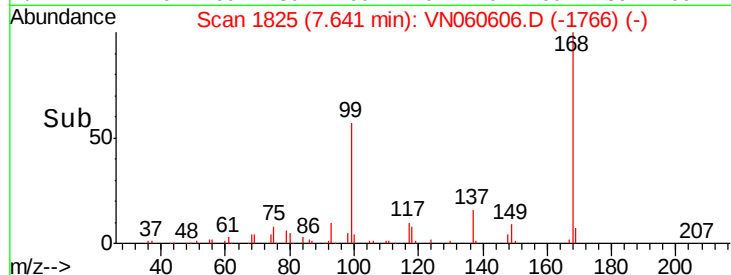
121 0.0 23.7 35.5#



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: 49.479 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060606.D

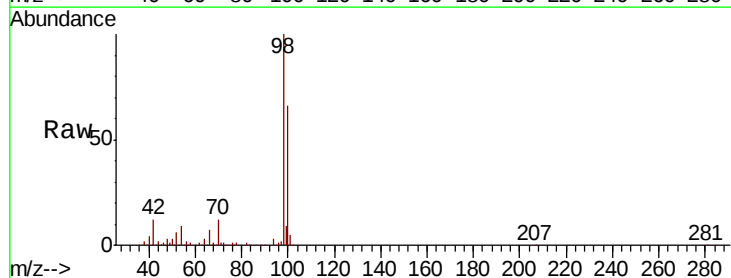
Acq: 18 Mar 2020 21:43

Tgt Ion: 98 Resp: 402607

Ion Ratio Lower Upper

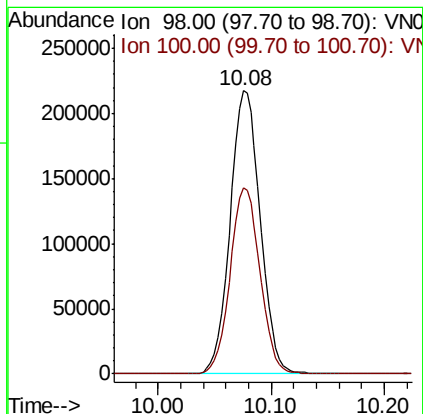
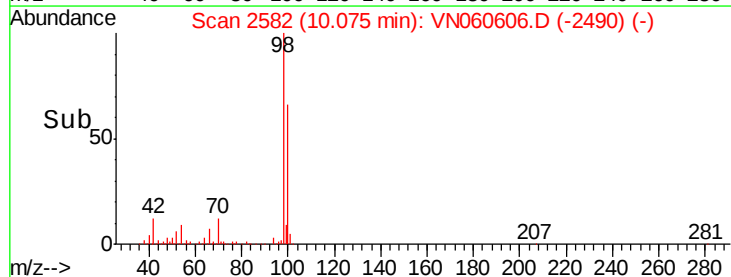
98 100

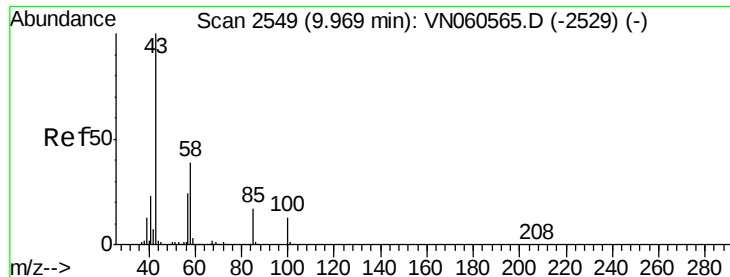
100 65.1 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

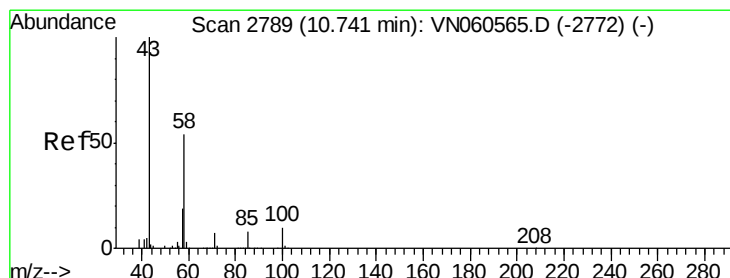
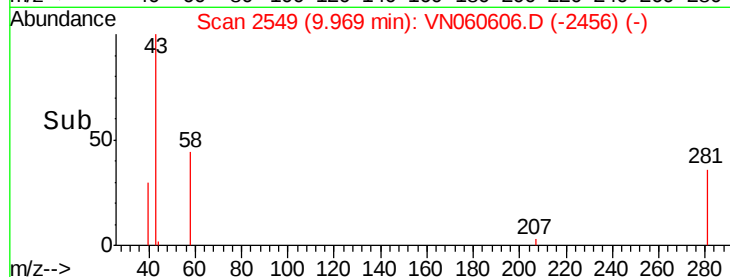
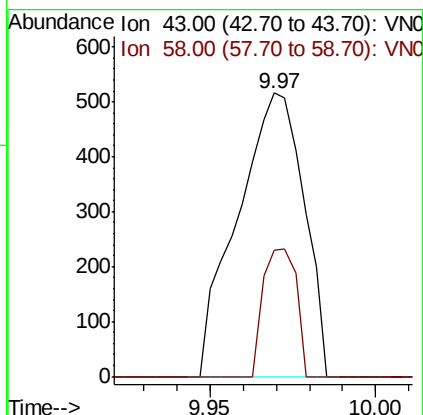
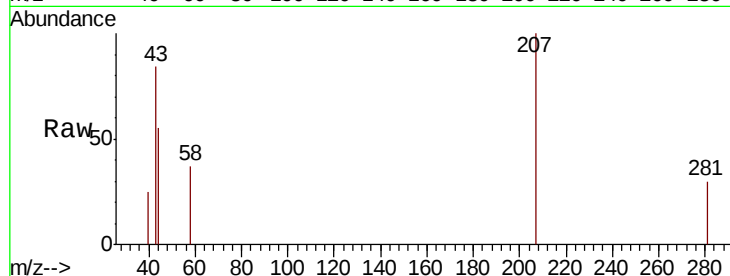




#51
 4-Methyl-2-Pentanone
 Concen: 0.222 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN060606.D
 Acq: 18 Mar 2020 21:43

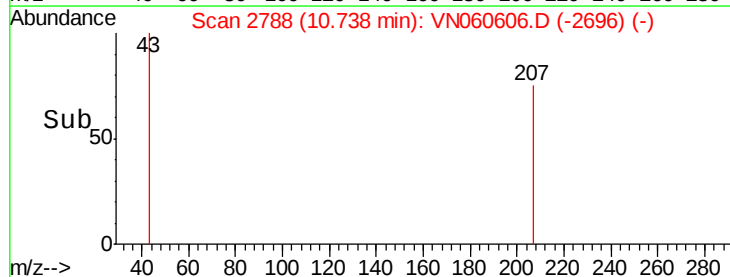
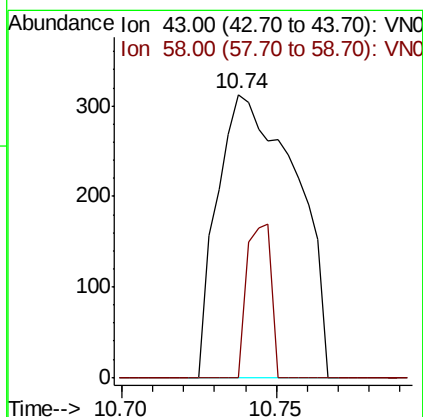
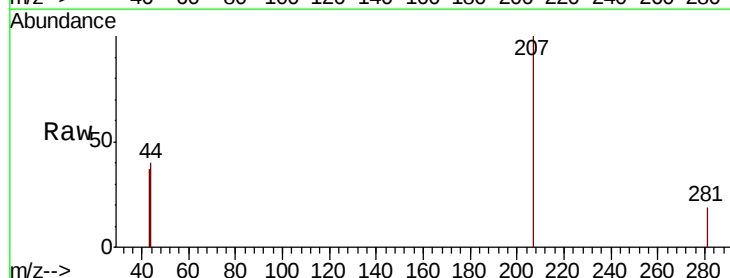
Instrument :
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 VN0318WBL03

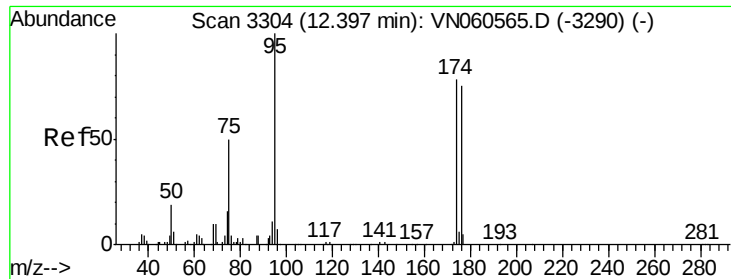
Tot Ion: 43 Resp: 719
 Ion Ratio Lower Upper
 43 100
 58 22.3 30.8 46.2#



#59
 2-Hexanone
 Concen: 0.236 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. -0.00 min
 Lab File: VN060606.D
 Acq: 18 Mar 2020 21:43

Tgt Ion: 43 Resp: 551
 Ion Ratio Lower Upper
 43 100
 58 17.1 26.7 80.1#





#62

4-Bromofluorobenzene

Concen: 49.496 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060606.D

Acq: 18 Mar 2020 21:43

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBL03

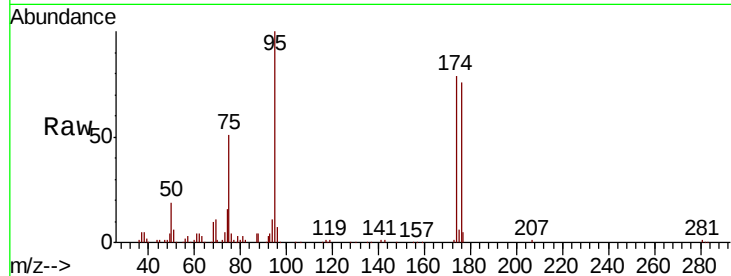
Tot Ion: 95 Resp: 147602

Ion Ratio Lower Upper

95 100

174 77.9 0.0 157.6

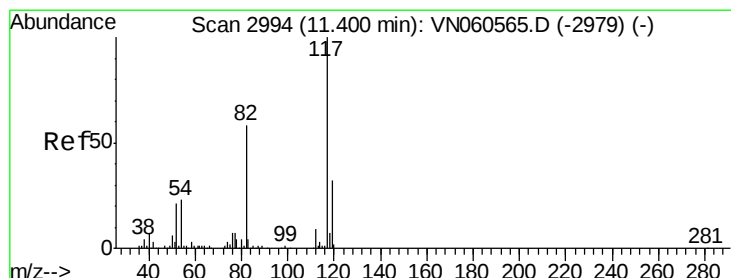
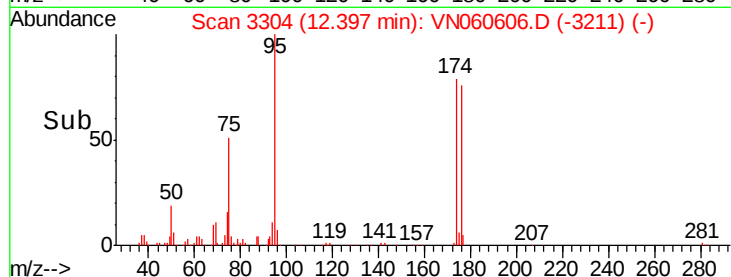
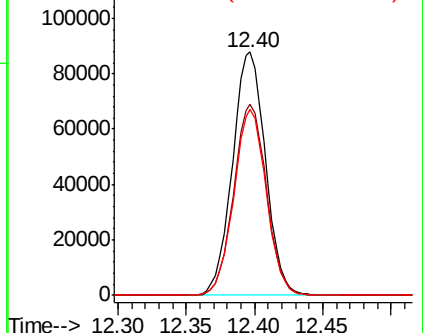
176 75.1 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): VN060606.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN060606.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN060606.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060606.D

Acq: 18 Mar 2020 21:43

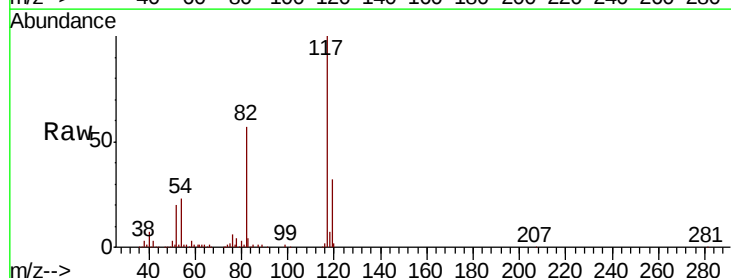
Tgt Ion: 117 Resp: 301785

Ion Ratio Lower Upper

117 100

82 56.5 46.7 70.1

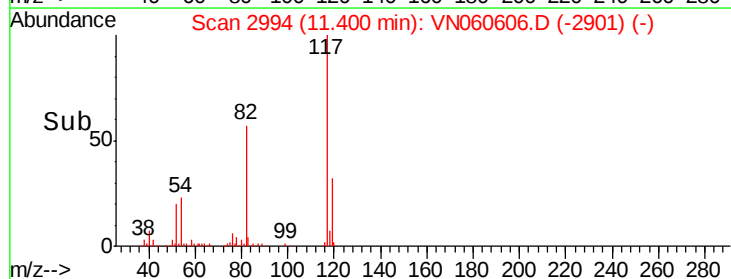
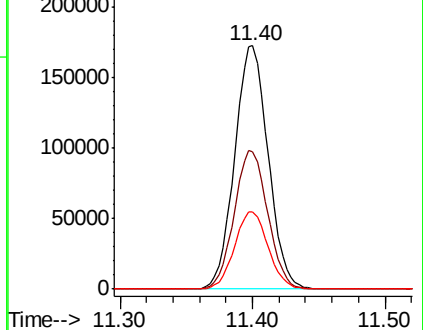
119 31.8 25.5 38.3

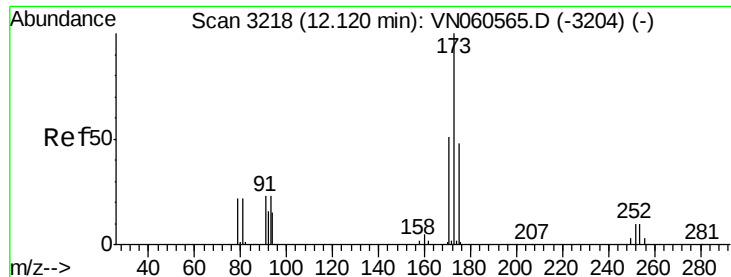


Abundance Ion 116.90 (116.60 to 117.60): VN060606.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN060606.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN060606.D (-2979) (-)





#71

Bromoform

Concen: 1.786 ug/l

RT: 12.39 min Scan# 3301

Delta R.T. 0.27 min

Lab File: VN060606.D

Acq: 18 Mar 2020 21:43

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBL03

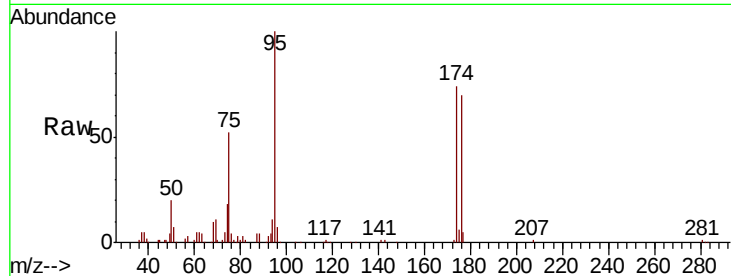
Tot Ion:173 Resp: 196

Ion Ratio Lower Upper

173 100

175 0.0 24.1 72.4#

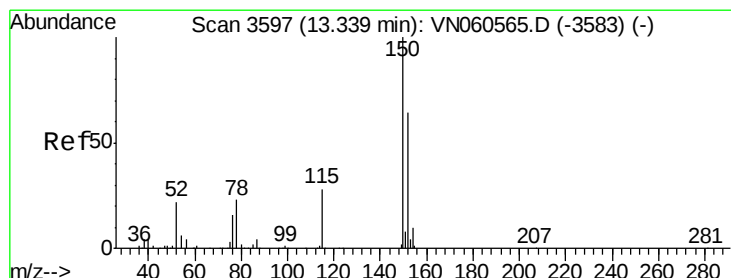
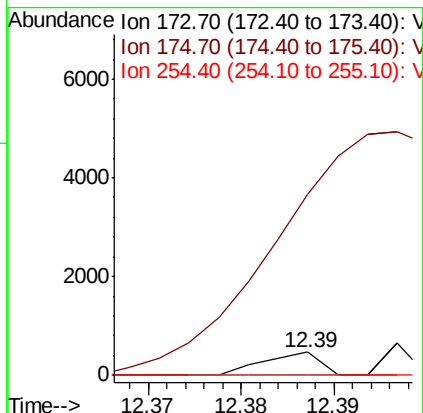
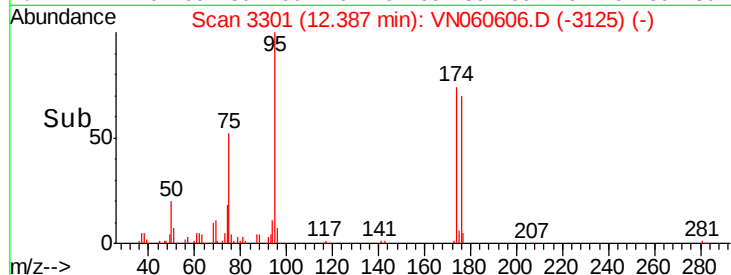
254 0.0 0.0 0.0



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: VN060606.D

Acq: 18 Mar 2020 21:43

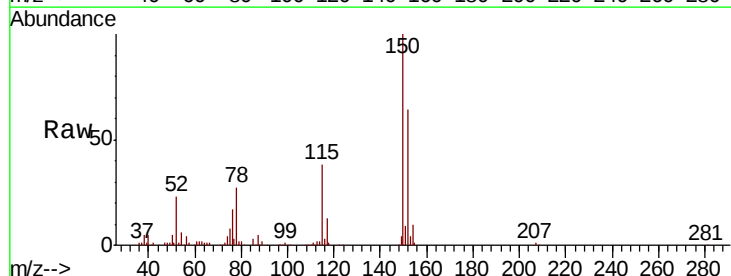
Tgt Ion:152 Resp: 133102

Ion Ratio Lower Upper

152 100

115 60.0 30.2 90.6

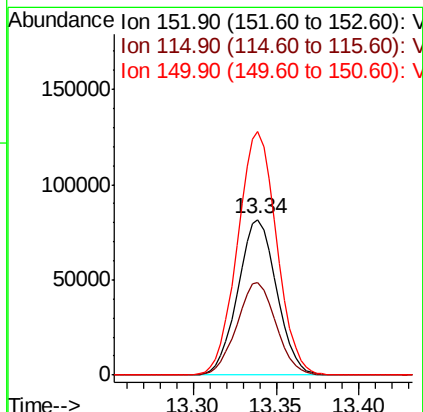
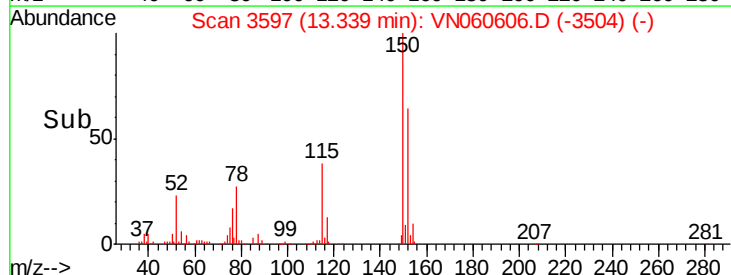
150 157.6 0.0 350.2

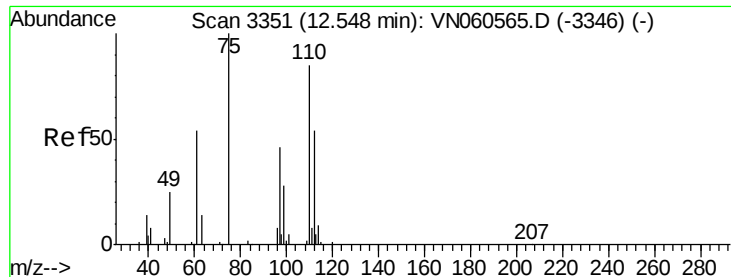


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

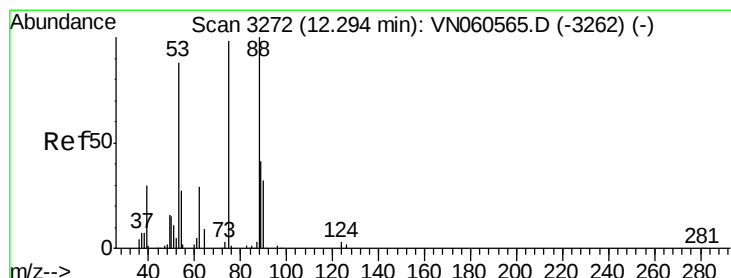
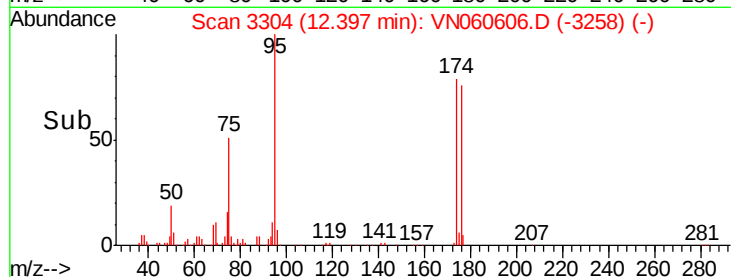
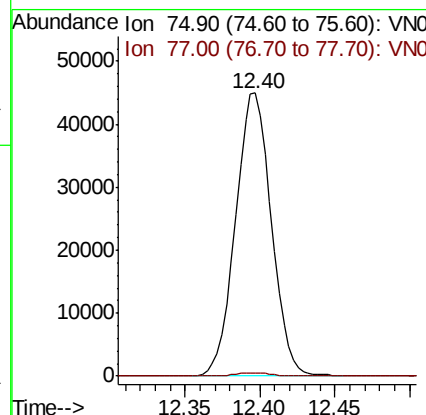
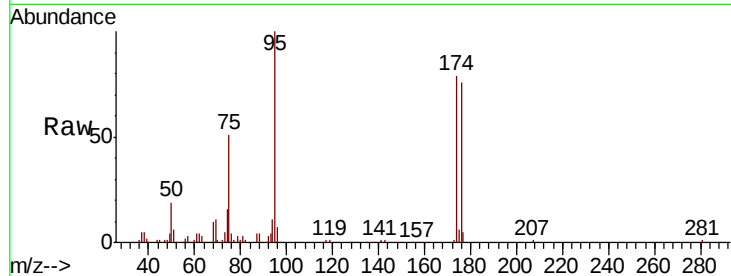




#76
 1,2,3-Trichloropropane
 Concen: 26.130 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.15 min
 Lab File: VN060606.D
 Acq: 18 Mar 2020 21:43

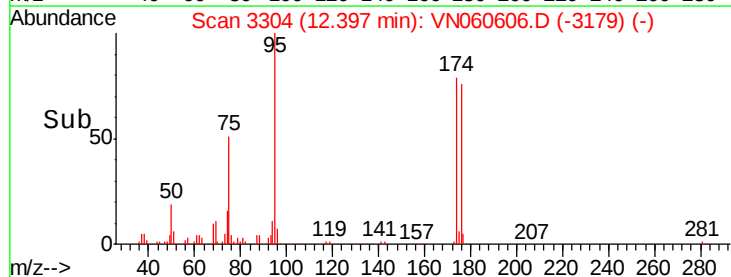
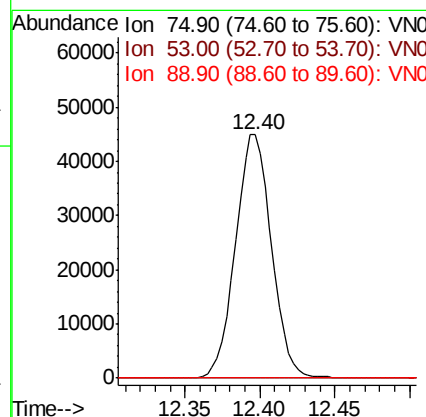
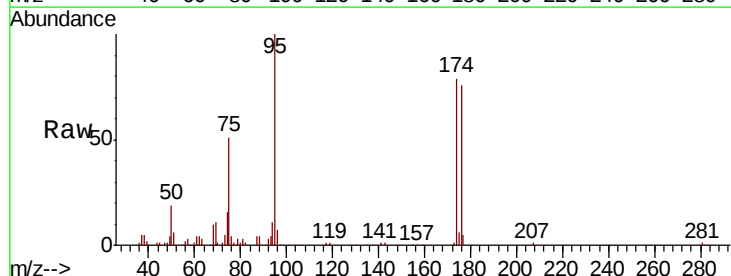
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBL03

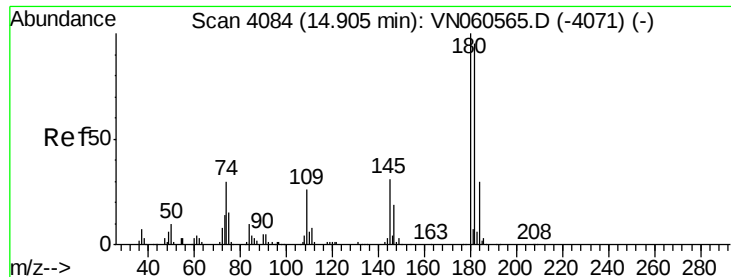
Tot Ion: 75 Resp: 75047
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.110 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN060606.D
 Acq: 18 Mar 2020 21:43

Tgt Ion: 75 Resp: 75047
 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: 0.270 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN060606.D

Acq: 18 Mar 2020 21:43

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBL03

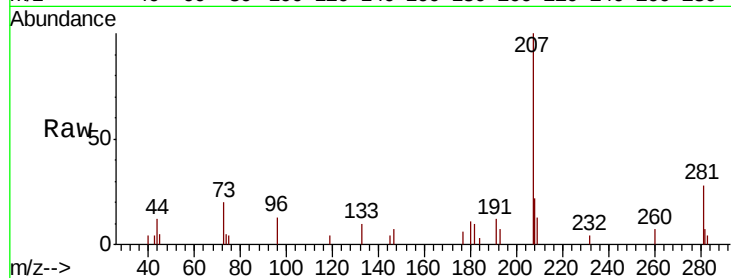
Tot Ion:180 Resp: 673

Ion Ratio Lower Upper

180 100

182 113.1 47.9 143.8

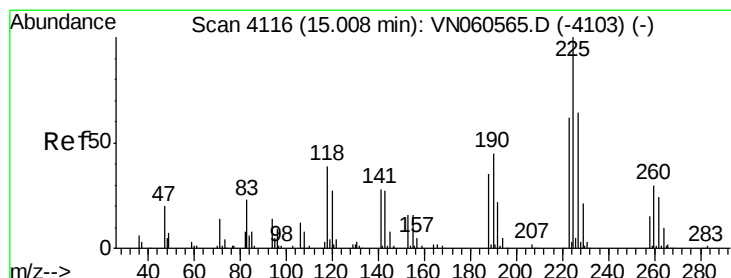
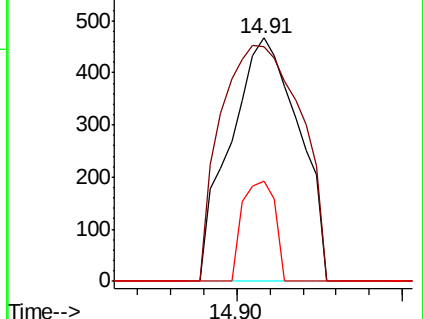
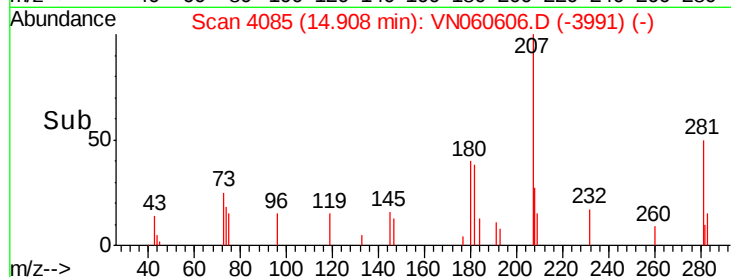
145 19.6 15.4 46.2



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



#94

Hexachlorobutadiene

Concen: 0.220 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN060606.D

Acq: 18 Mar 2020 21:43

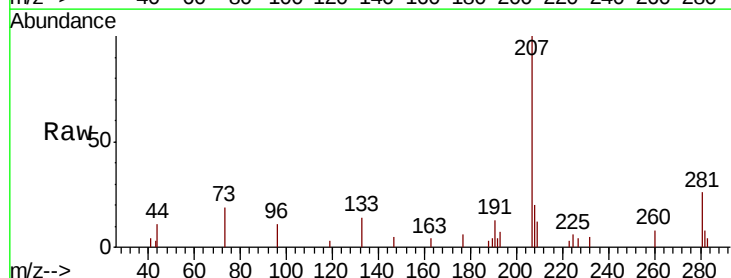
Tgt Ion:225 Resp: 269

Ion Ratio Lower Upper

225 100

223 34.6 31.6 95.0

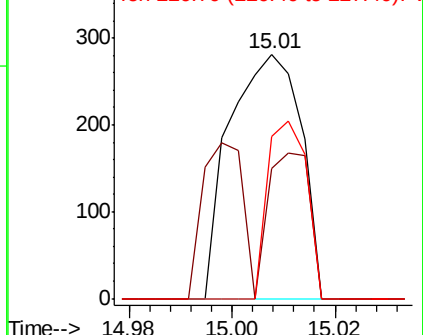
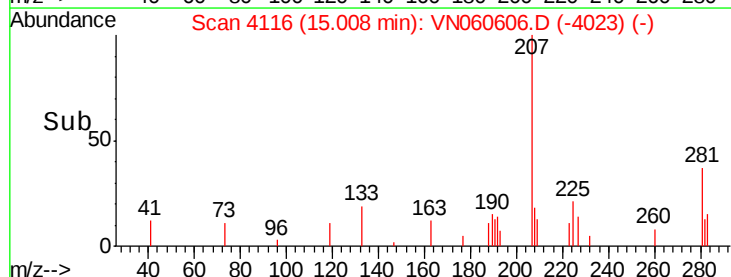
227 39.8 32.3 96.8

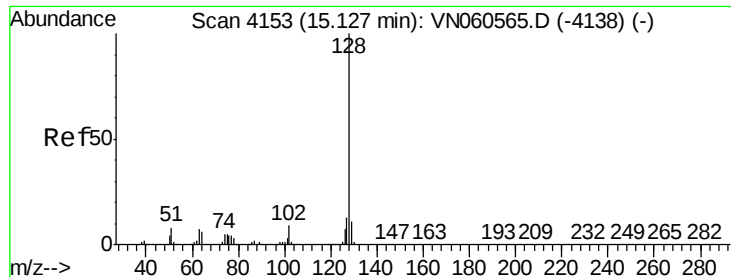


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

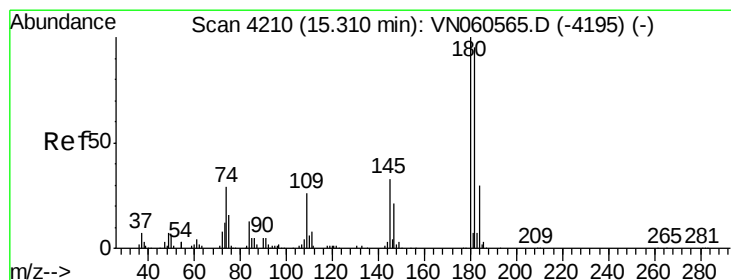
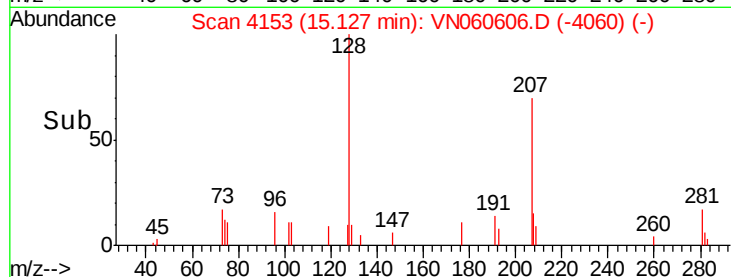
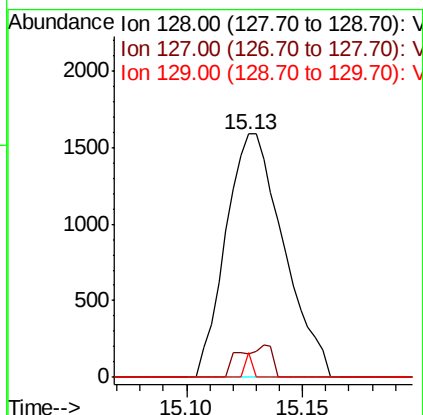
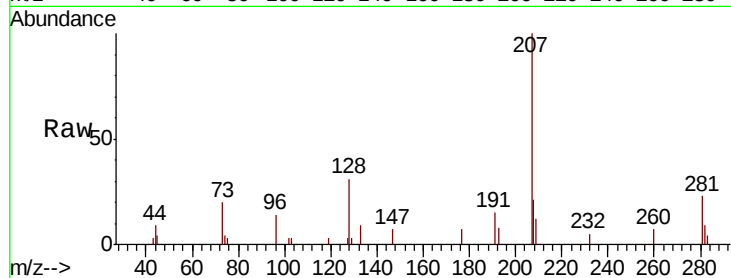




#95
Naphthalene
Concen: 0.366 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN060606.D
Acq: 18 Mar 2020 21:43

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBL03

Tot Ion:128 Resp: 2747
Ion Ratio Lower Upper
128 100
127 7.5 10.2 15.2#
129 1.1 8.8 13.2#



#96
1,2,3-Trichlorobenzene
Concen: 0.373 ug/l
RT: 15.31 min Scan# 4209
Delta R.T. -0.00 min
Lab File: VN060606.D
Acq: 18 Mar 2020 21:43

Tgt Ion:180 Resp: 916
Ion Ratio Lower Upper
180 100
182 85.5 47.5 142.6
145 11.0 16.3 48.8#

