

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041720\
 Data File : VN061060.D
 Acq On : 17 Apr 2020 18:47
 Operator : JC/MD
 Sample : L2337-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 20 01:33:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 17 03:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	151394	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	260985	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	244921	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	108931	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	103921	53.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.30%	
35) Dibromofluoromethane	7.56	113	77756	51.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.04%	
50) Toluene-d8	10.08	98	321900	55.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.78%	
62) 4-Bromofluorobenzene	12.39	95	119523	52.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.90%	

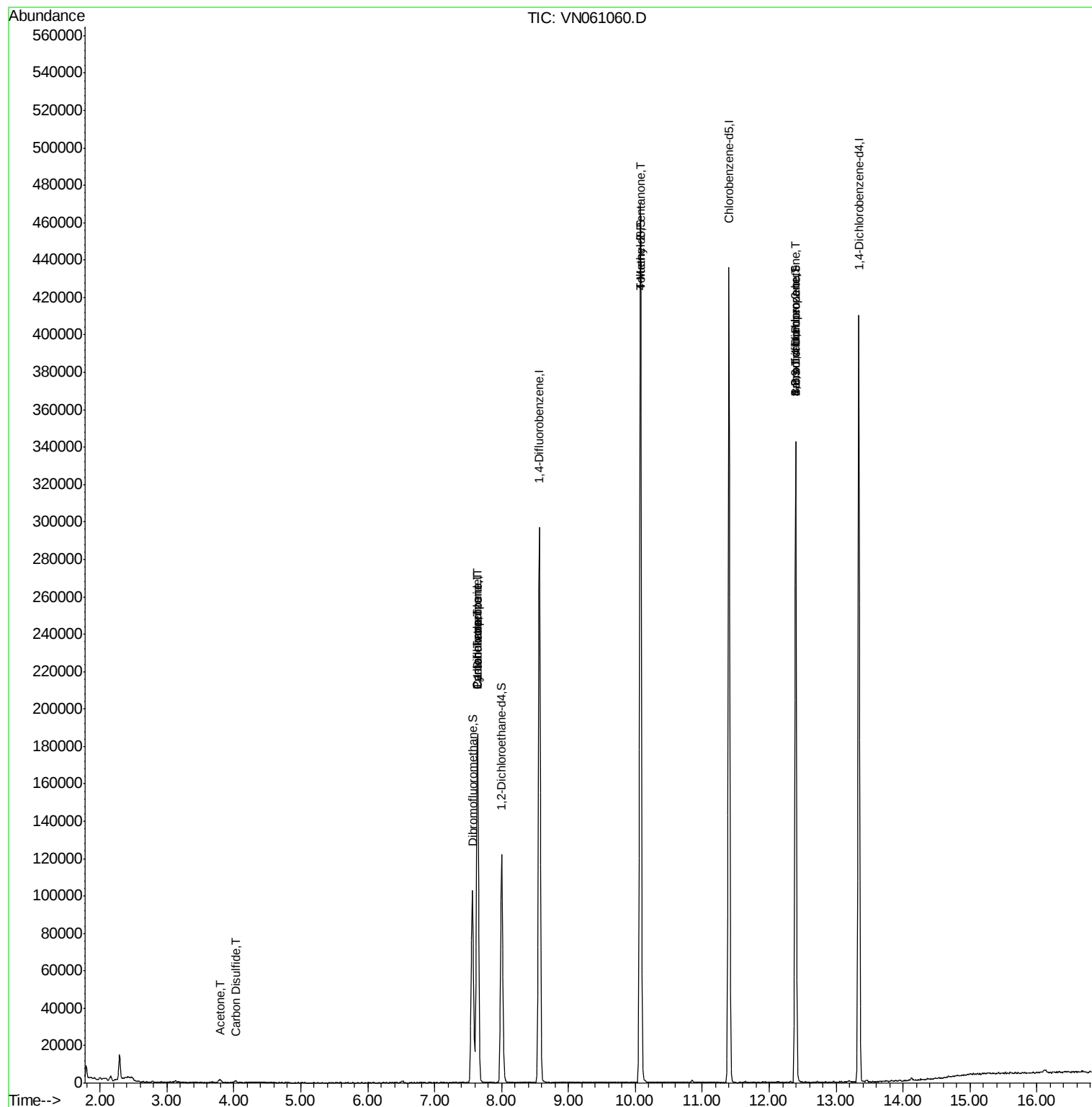
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	3316	3.889	ug/l	94
17) Carbon Disulfide	4.02	76	1642	0.317	ug/l #	74
31) Cyclohexane	7.63	56	3263	0.904	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	12284	4.561	ug/l #	49
38) Carbon Tetrachloride	7.64	117	14835	6.618	ug/l #	15
51) 4-Methyl-2-Pentanone	10.07	43	1568	0.572	ug/l #	1
71) Bromoform	12.40	173	323	0.239	ug/l #	1
76) 1,2,3-Trichloropropane	12.39	75	61362	25.610	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.39	75	61362	63.169	ug/l #	12

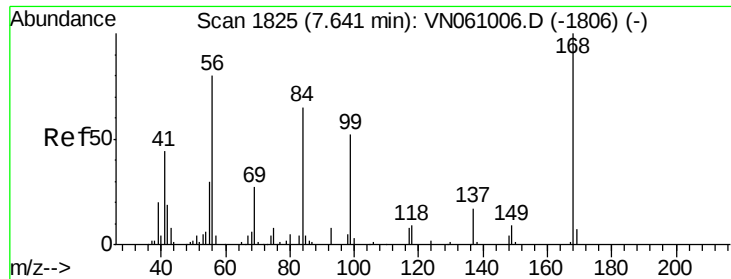
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Apr 17 03:49:39 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: VN061060.D

Acq: 17 Apr 2020 18:47

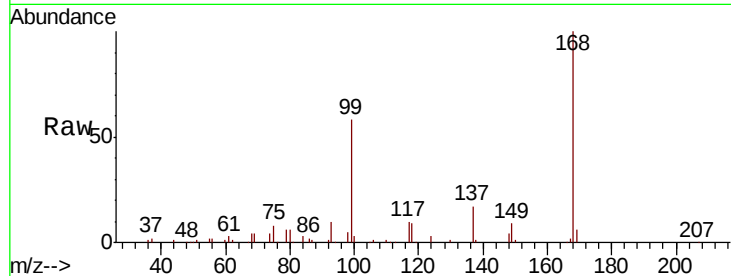
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 151394

Ion Ratio Lower Upper

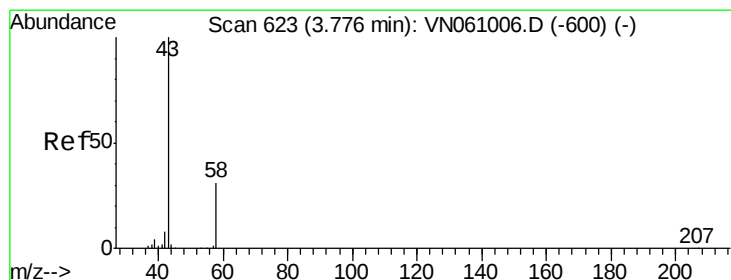
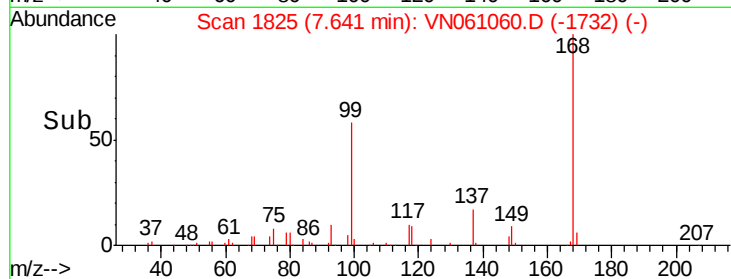
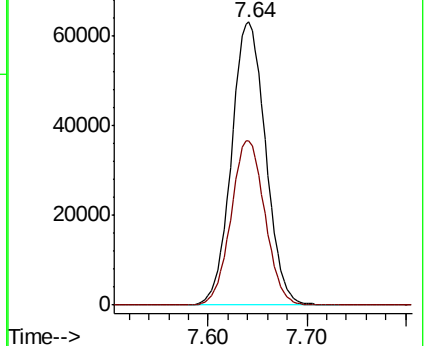
168 100

99 58.2 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 3.889 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN061060.D

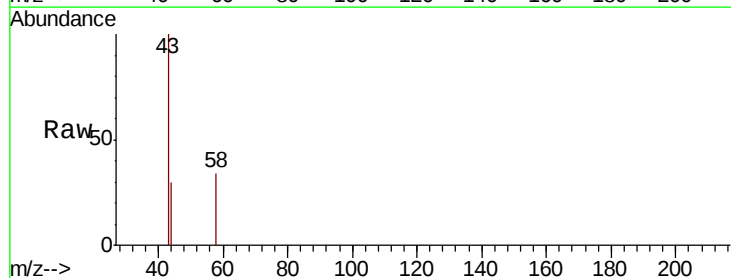
Acq: 17 Apr 2020 18:47

Tgt Ion: 43 Resp: 3316

Ion Ratio Lower Upper

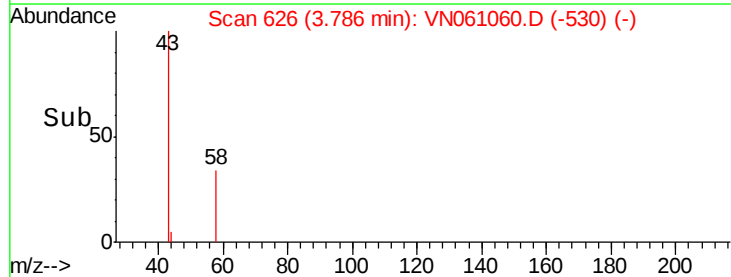
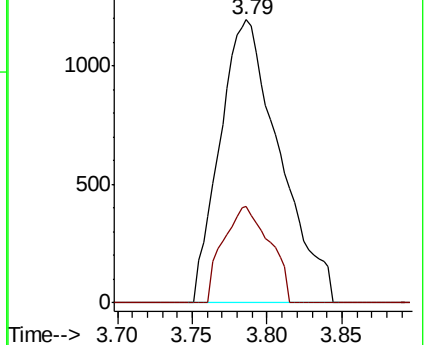
43 100

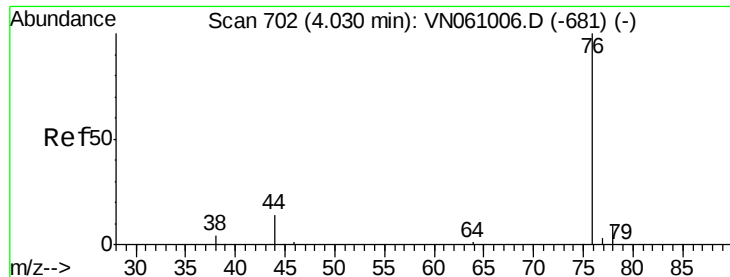
58 34.0 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN





#17

Carbon Disulfide

Concen: 0.317 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.01 min

Lab File: VN061060.D

Acq: 17 Apr 2020 18:47

Instrument :

MSVOA_N

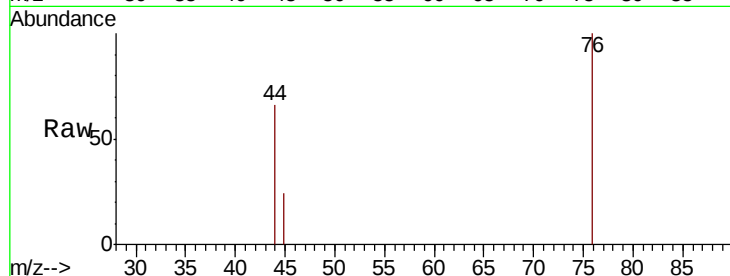
ClientSampleId :

Tot Ion: 76 Resp: 1642

Ion Ratio Lower Upper

76 100

78 0.0 7.6 11.4#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.02

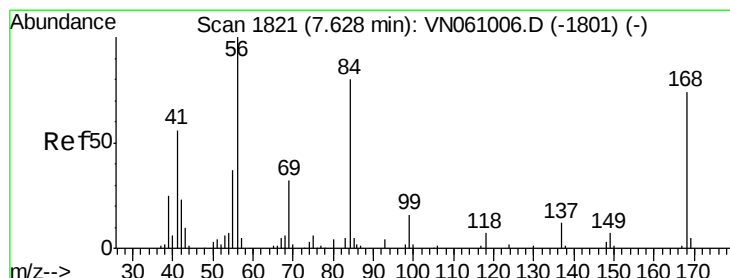
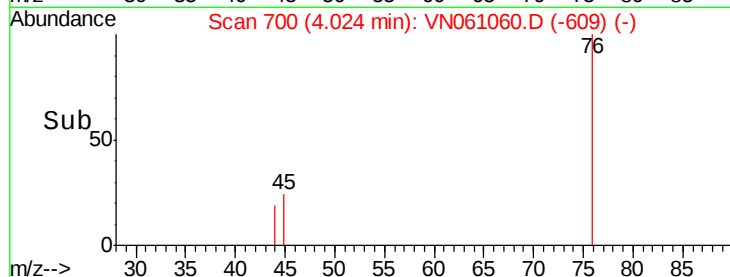
600

400

200

0

Time-->



#31

Cyclohexane

Concen: 0.904 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.01 min

Lab File: VN061060.D

Acq: 17 Apr 2020 18:47

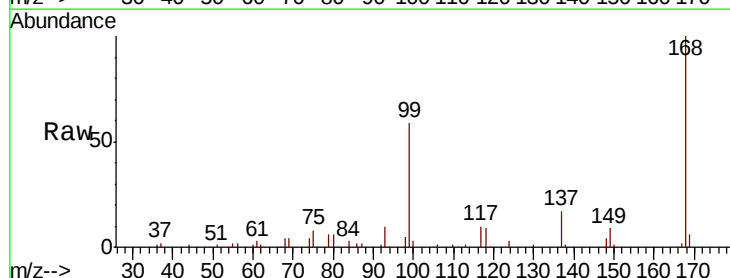
Tgt Ion: 56 Resp: 3263

Ion Ratio Lower Upper

56 100

69 157.9 25.6 38.4#

84 139.2 63.4 95.2#



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

3000

2500

2000

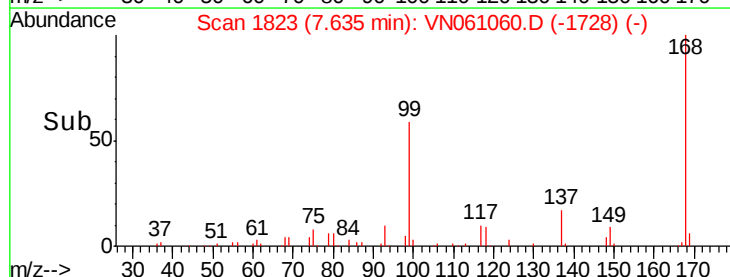
1500

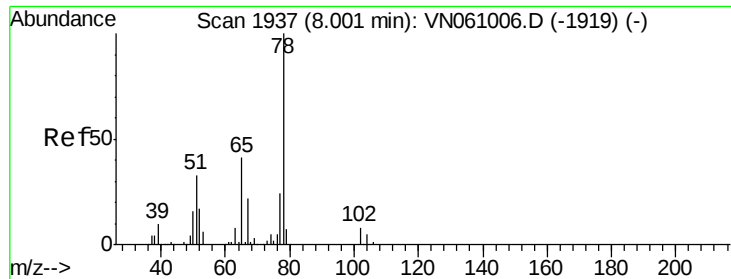
1000

500

0

Time-->

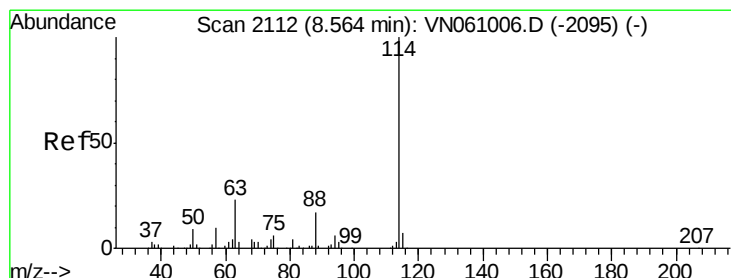
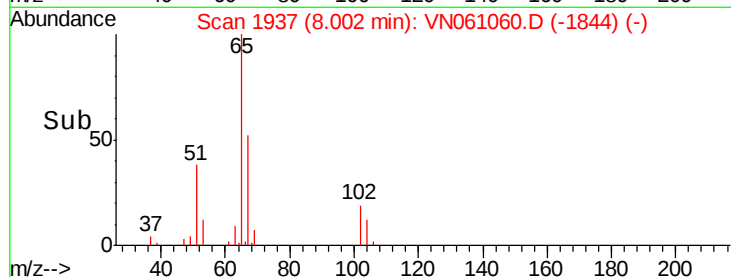
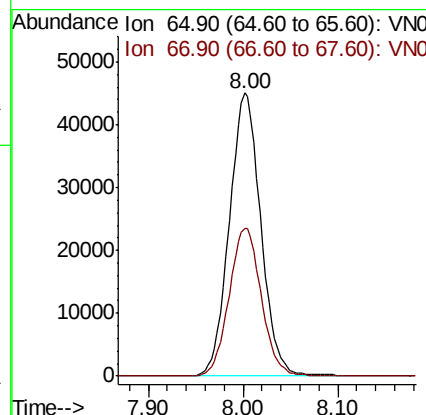
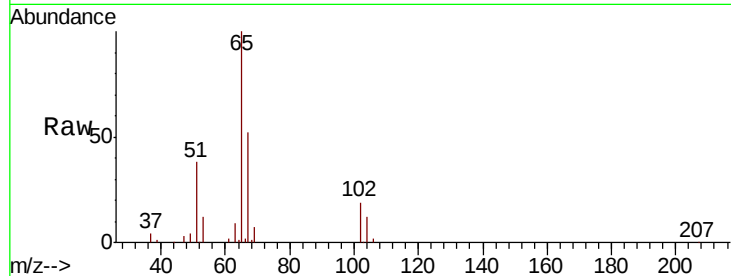




#33
 1,2-Dichloroethane-d4
 Concen: 53.651 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VN061060.D
 Acq: 17 Apr 2020 18:47

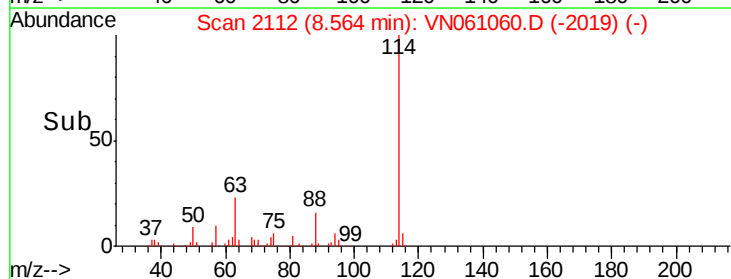
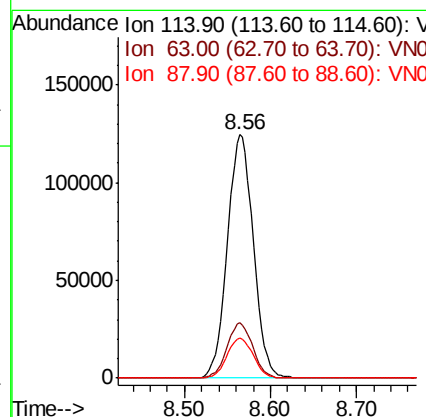
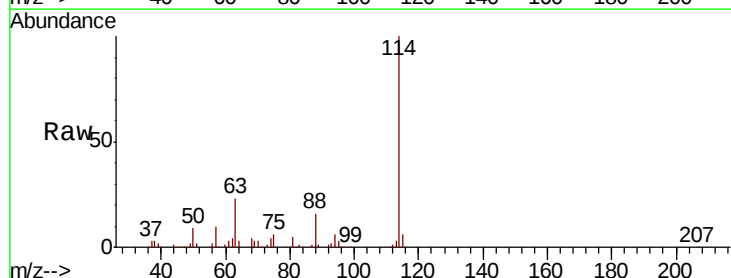
Instrument :
 MSVOA_N
 ClientSampled :

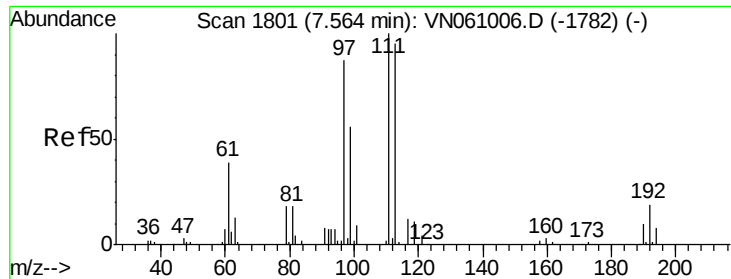
Tot Ion: 65 Resp: 103921
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VN061060.D
 Acq: 17 Apr 2020 18:47

Tgt Ion: 114 Resp: 260985
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 46.2
 88 16.4 0.0 33.4

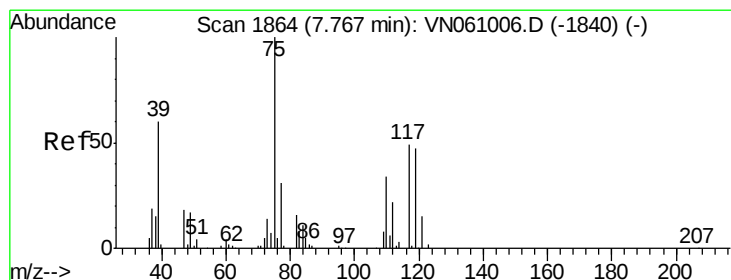
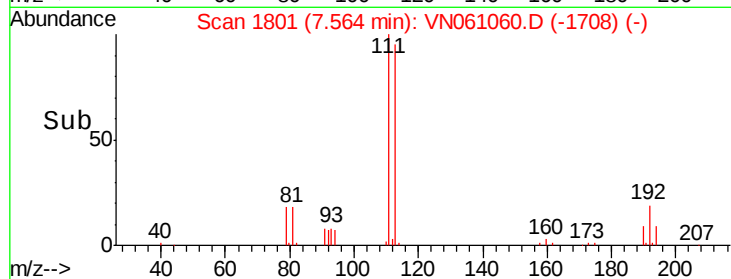
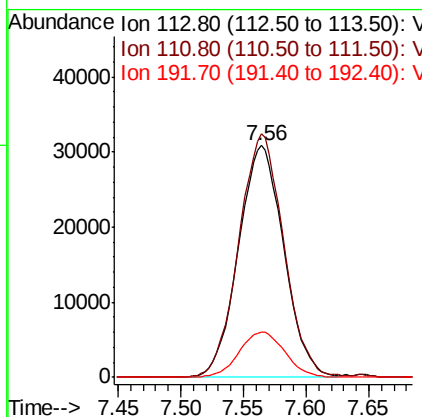
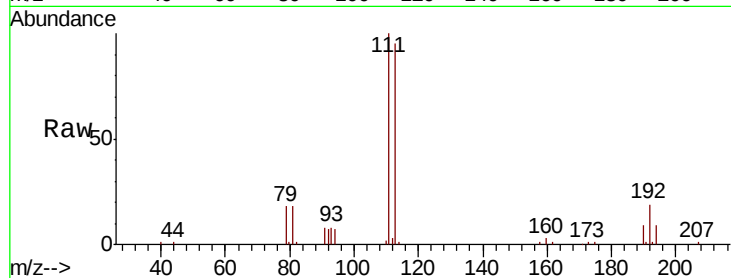




#35
 Dibromofluoromethane
 Concen: 51.017 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN061060.D
 Acq: 17 Apr 2020 18:47

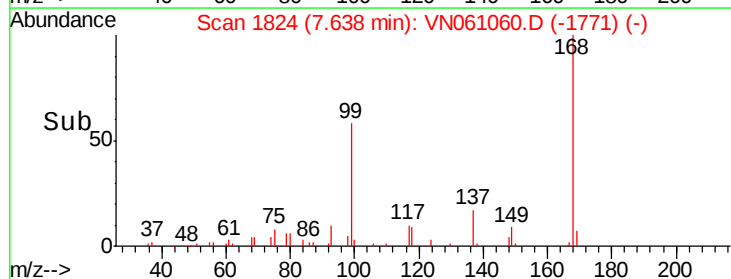
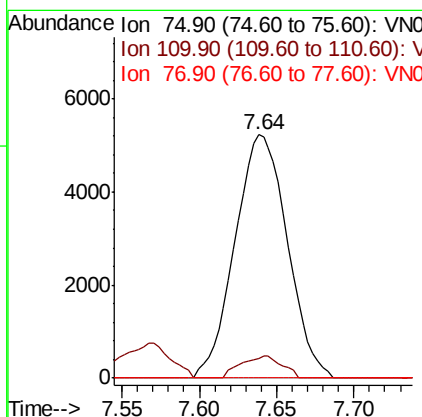
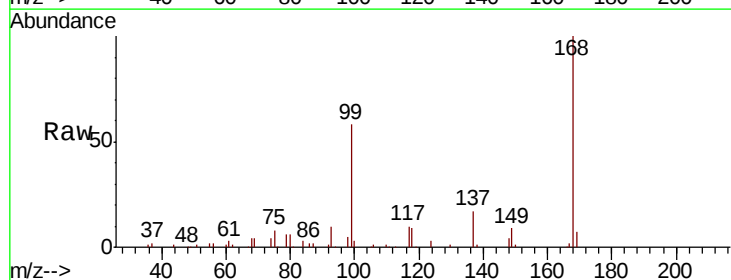
Instrument :
 MSVOA_N
 ClientSampled :

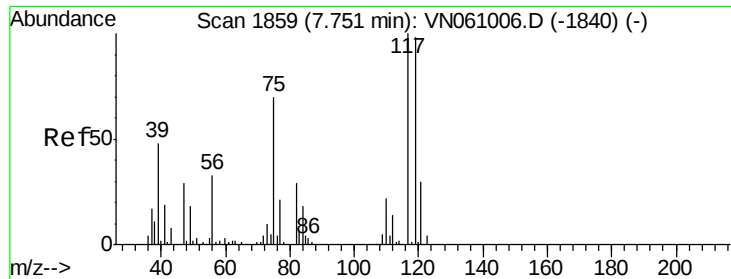
Tot Ion:113 Resp: 77756
 Ion Ratio Lower Upper
 113 100
 111 103.9 83.4 125.2
 192 19.6 15.5 23.3



#36
 1,1-Dichloropropene
 Concen: 4.561 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN061060.D
 Acq: 17 Apr 2020 18:47

Tgt Ion: 75 Resp: 12284
 Ion Ratio Lower Upper
 75 100
 110 7.1 16.8 50.3#
 77 0.0 24.7 37.1#

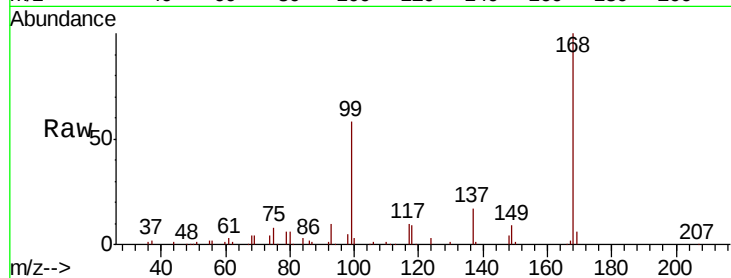




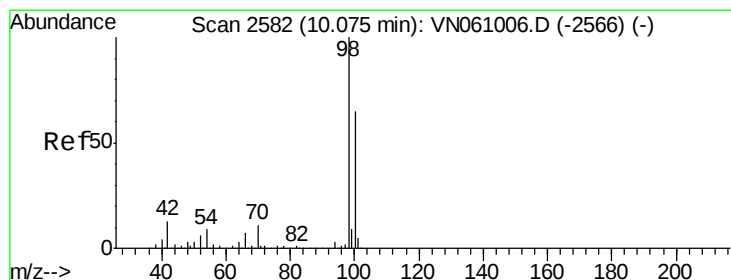
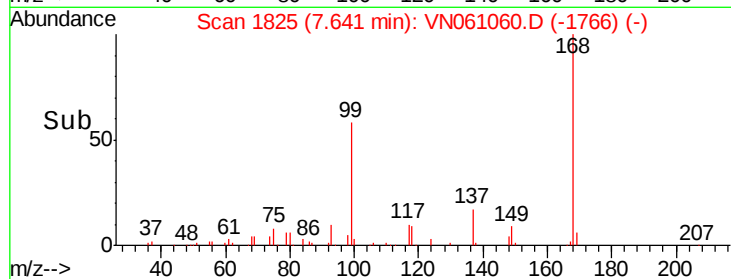
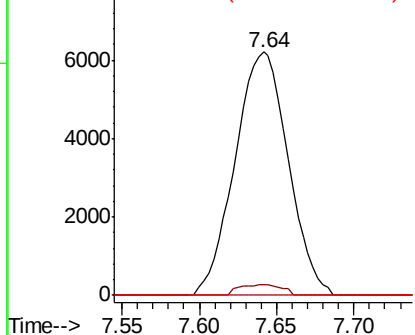
#38
Carbon Tetrachloride
Concen: 6.618 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN061060.D
Acq: 17 Apr 2020 18:47

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 14835
Ion Ratio Lower Upper
117 100
119 4.6 78.1 117.1#
121 0.0 24.0 36.0#

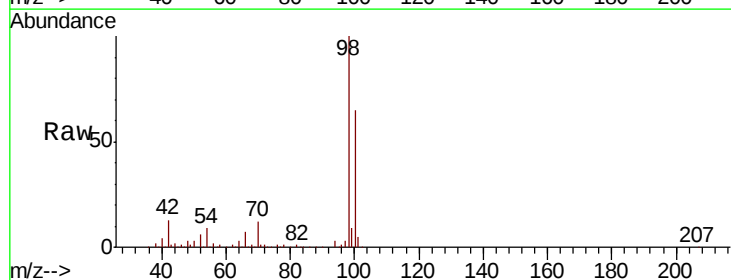


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

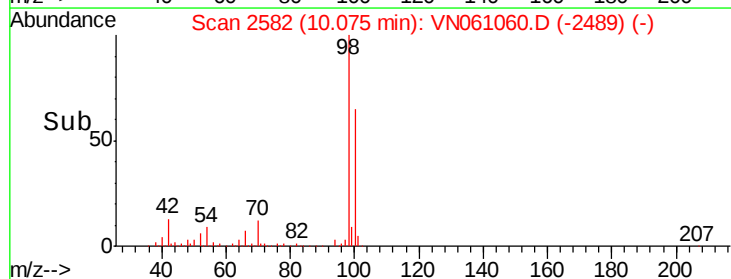
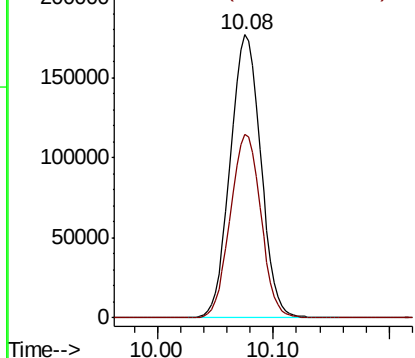


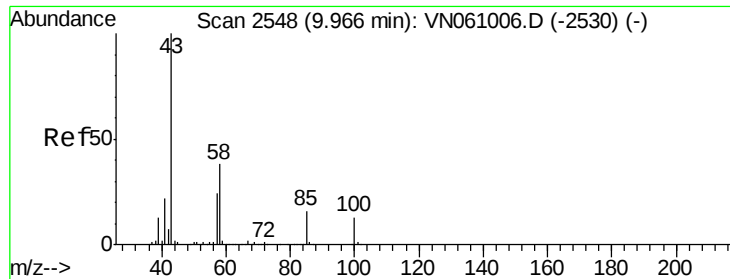
#50
Toluene-d8
Concen: 55.892 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. 0.00 min
Lab File: VN061060.D
Acq: 17 Apr 2020 18:47

Tgt Ion: 98 Resp: 321900
Ion Ratio Lower Upper
98 100
100 64.9 51.9 77.9



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: 0.572 ug/l

RT: 10.07 min Scan# 2581

Delta R.T. 0.11 min

Lab File: VN061060.D

Acq: 17 Apr 2020 18:47

Instrument :

MSVOA_N

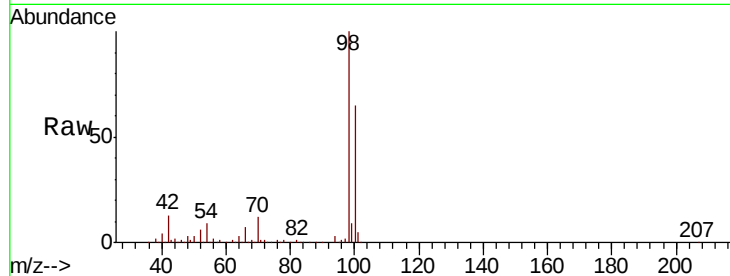
ClientSampleId :

Tot Ion: 43 Resp: 1568

Ion Ratio Lower Upper

43 100

58 177.2 30.3 45.5#



Abundance Ion 43.00 (42.70 to 43.70): VN061006.D (-2530) (-)

Ion 58.00 (57.70 to 58.70): VN061006.D (-2530) (-)

1500

1000

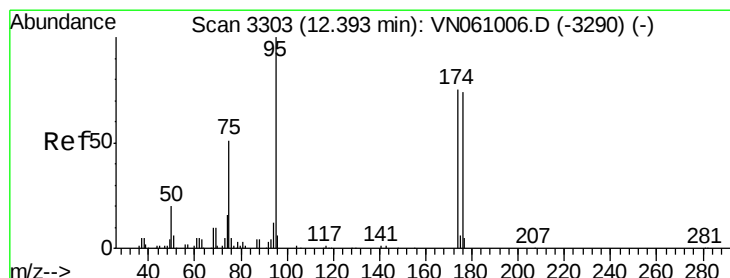
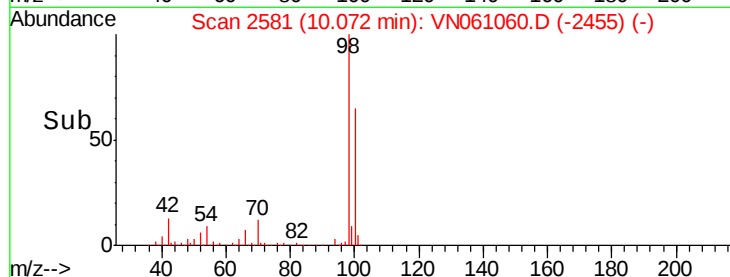
500

0

10.05

10.10

Time-->



#62

4-Bromofluorobenzene

Concen: 52.951 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.00 min

Lab File: VN061060.D

Acq: 17 Apr 2020 18:47

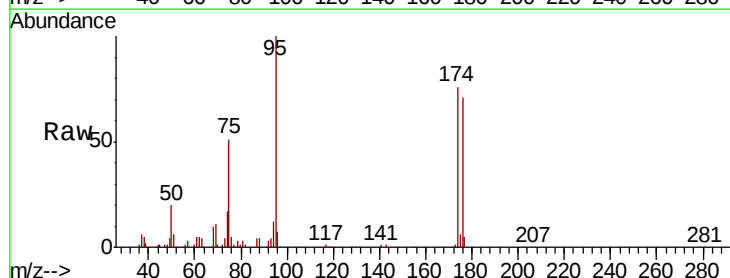
Tgt Ion: 95 Resp: 119523

Ion Ratio Lower Upper

95 100

174 76.9 0.0 151.2

176 73.7 0.0 148.2



Abundance Ion 94.90 (94.60 to 95.60): VN061006.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN061006.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN061006.D (-3290) (-)

100000

80000

60000

40000

20000

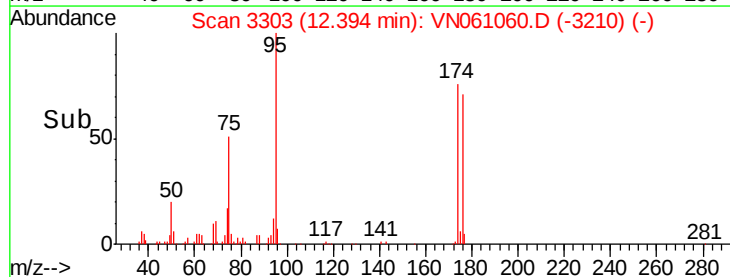
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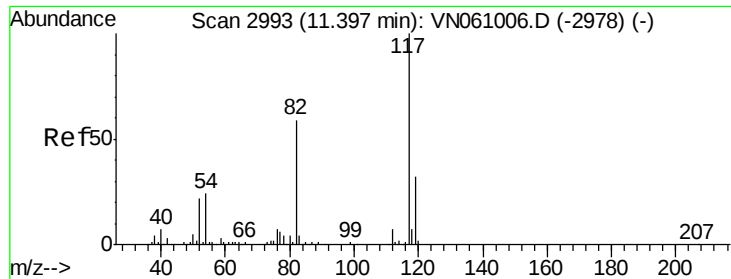
12.35

12.40

12.45

Time-->

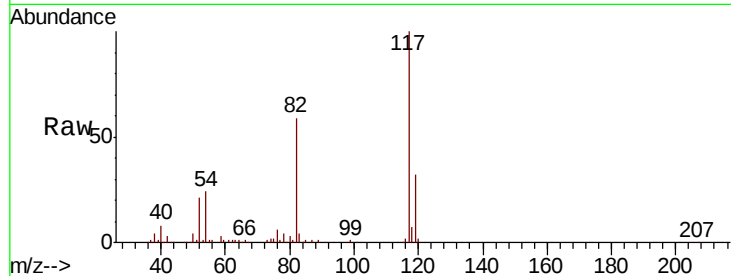




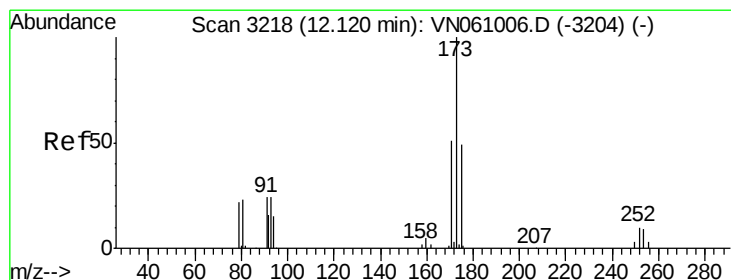
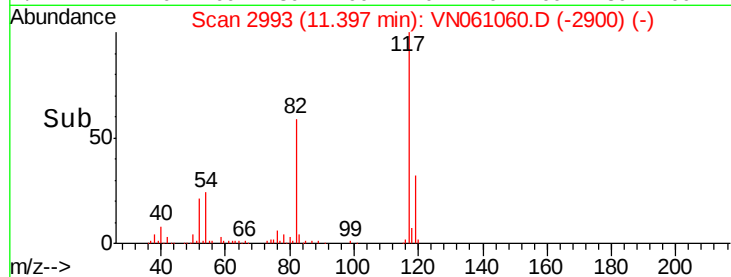
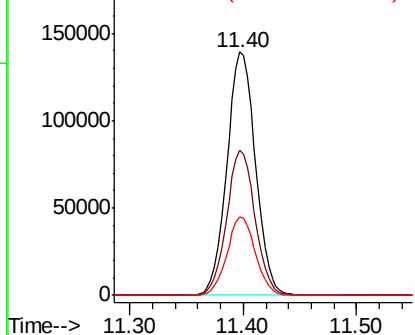
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. 0.00 min
Lab File: VN061060.D
Acq: 17 Apr 2020 18:47

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 244921
Ion Ratio Lower Upper
117 100
82 59.5 47.1 70.7
119 32.4 25.7 38.5

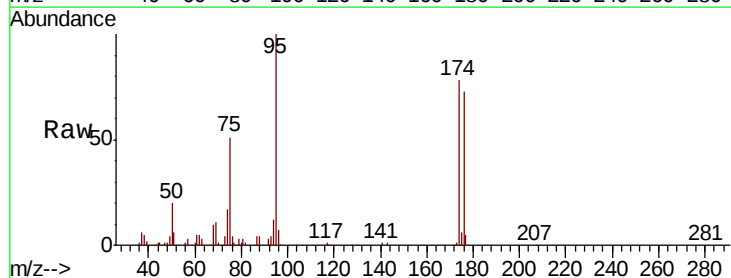


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

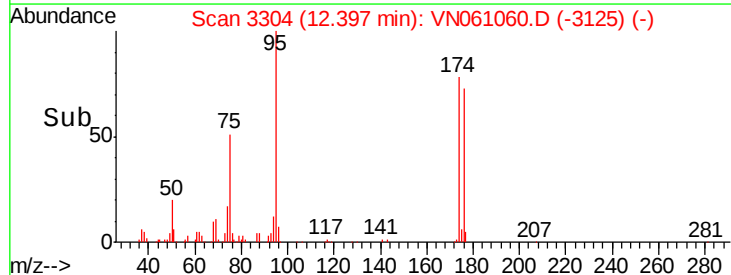
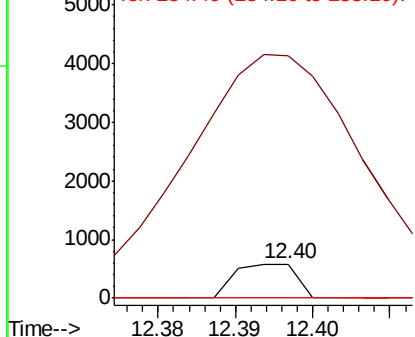


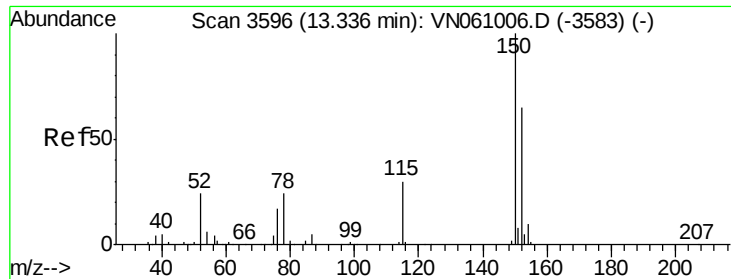
#71
Bromoform
Concen: 0.239 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.28 min
Lab File: VN061060.D
Acq: 17 Apr 2020 18:47

Tgt Ion:173 Resp: 323
Ion Ratio Lower Upper
173 100
175 1869.0 24.5 73.5#
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: VN061060.D

Acq: 17 Apr 2020 18:47

Instrument :

MSVOA_N

ClientSampled :

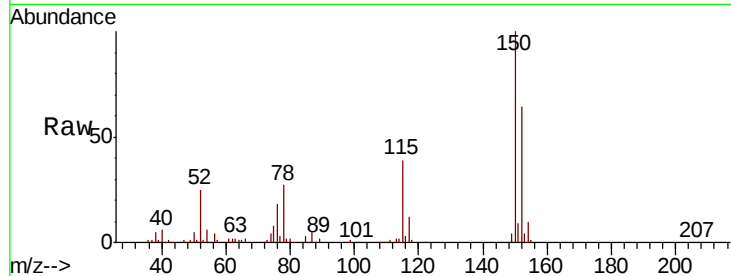
Tot Ion:152 Resp: 108931

Ion Ratio Lower Upper

152 100

115 60.0 30.8 92.4

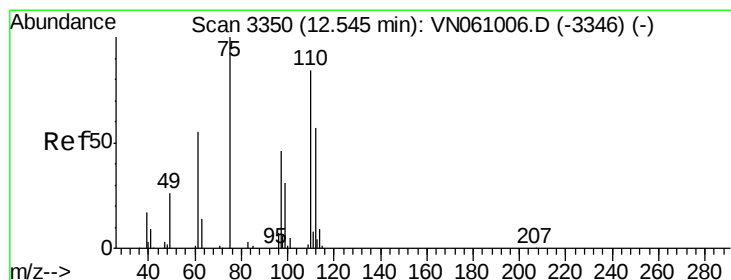
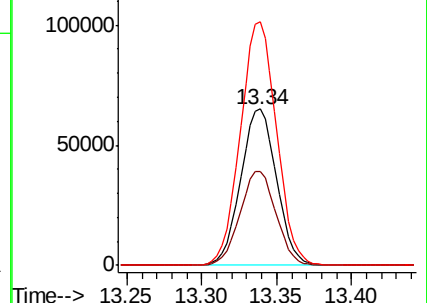
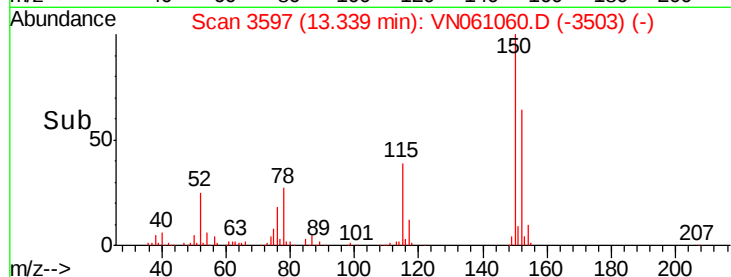
150 156.6 0.0 349.0



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: 25.610 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.15 min

Lab File: VN061060.D

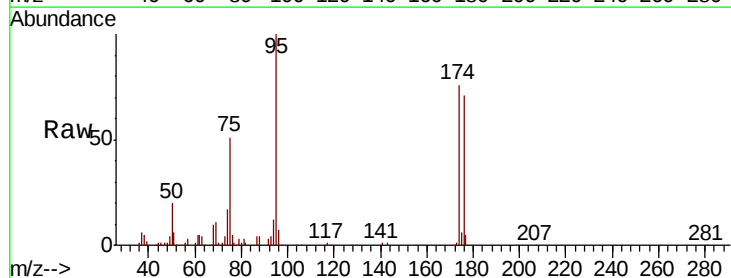
Acq: 17 Apr 2020 18:47

Tgt Ion: 75 Resp: 61362

Ion Ratio Lower Upper

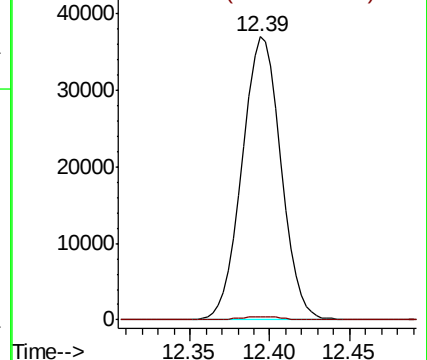
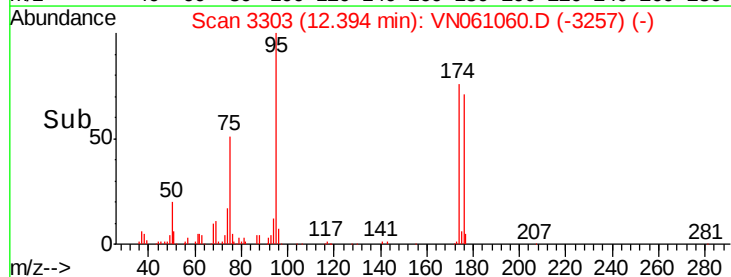
75 100

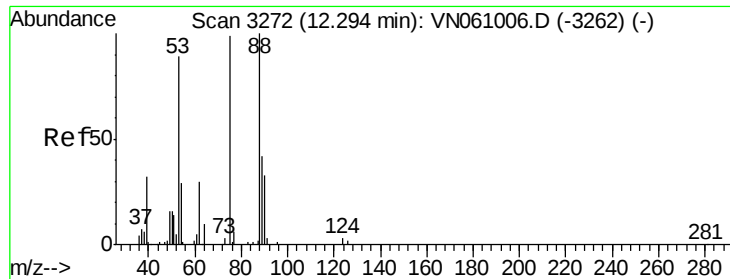
77 1.1 0.0 0.0#



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: 63.169 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.10 min

Lab File: VN061060.D

Acq: 17 Apr 2020 18:47

Instrument :

MSVOA_N

ClientSampleId :

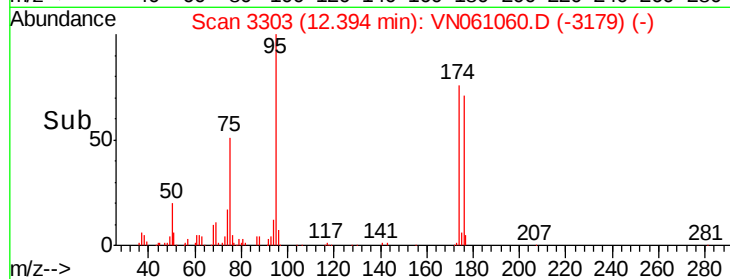
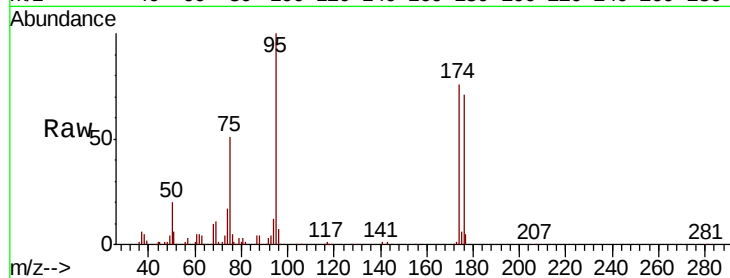
Tot Ion: 75 Resp: 61362

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.0 34.6 52.0#



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

