

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042020\
 Data File : VN061099.D
 Acq On : 20 Apr 2020 14:21
 Operator : JC/MD
 Sample : L2338-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 21 03:59:08 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	153511	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	264294	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	246986	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	107825	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	106370	54.16	ug/l	0.00
Spiked Amount			Recovery	=	108.32%	
35) Dibromofluoromethane	7.56	113	79935	51.79	ug/l	0.00
Spiked Amount			Recovery	=	103.58%	
50) Toluene-d8	10.08	98	327638	56.18	ug/l	0.00
Spiked Amount			Recovery	=	112.36%	
62) 4-Bromofluorobenzene	12.40	95	121331	53.08	ug/l	0.00
Spiked Amount			Recovery	=	106.16%	

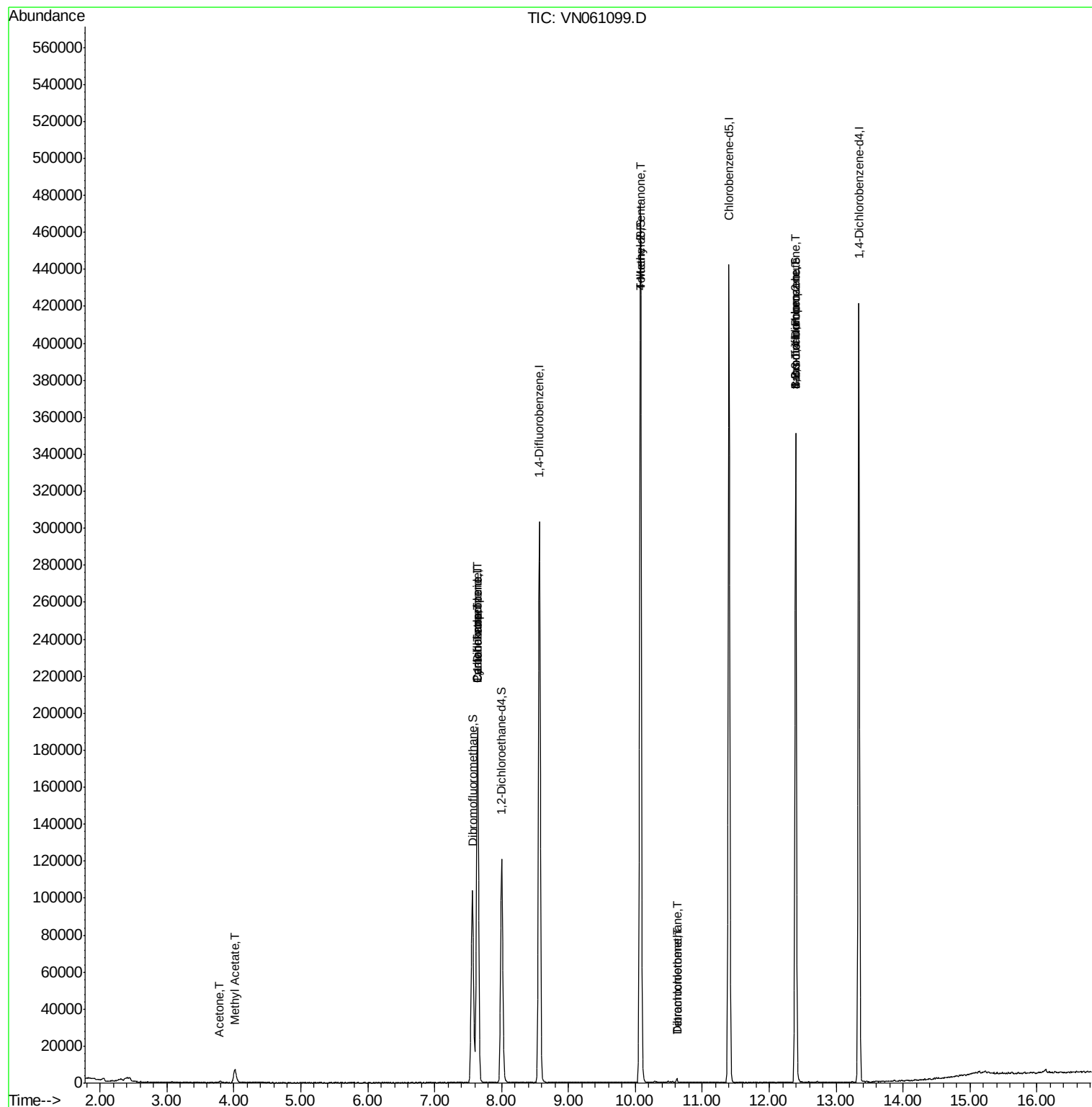
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	1126	1.303	ug/l #	44
18) Methyl Acetate	4.01	43	2520	0.930	ug/l #	54
31) Cyclohexane	7.64	56	3378	0.923	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	12476	4.575	ug/l #	49
38) Carbon Tetrachloride	7.64	117	15148	6.673	ug/l #	16
51) 4-Methyl-2-Pentanone	10.08	43	1700	0.612	ug/l #	1
60) Dibromochloromethane	10.62	129	409	0.217	ug/l #	10
64) Tetrachloroethene	10.62	164	441	0.233	ug/l	96
71) Bromoform	12.40	173	711	0.522	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	62172	26.214	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	62172	64.659	ug/l #	12

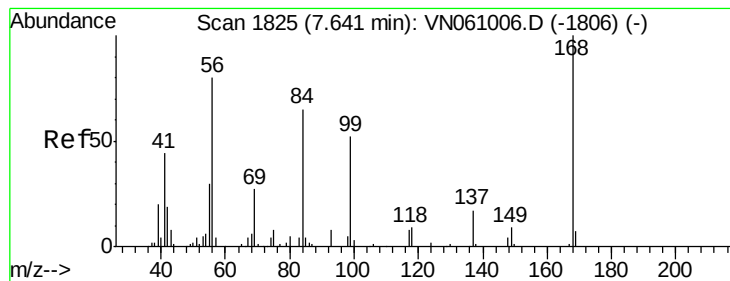
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN042020\
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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: VN061099.D

Acq: 20 Apr 2020 14:21

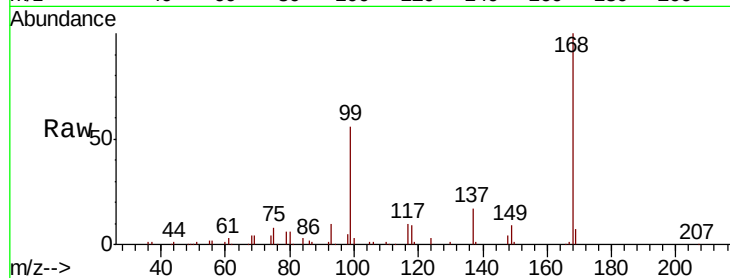
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 153511

Ion Ratio Lower Upper

168 100

99 56.4 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

60000

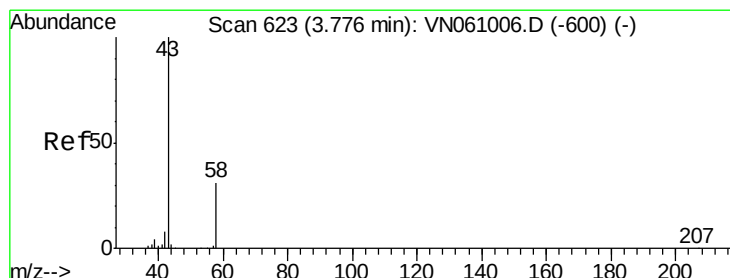
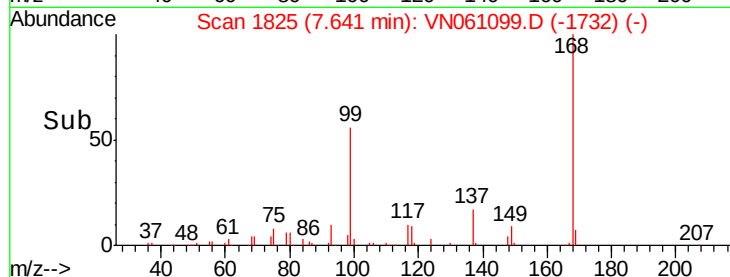
40000

20000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#16

Acetone

Concen: 1.303 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN061099.D

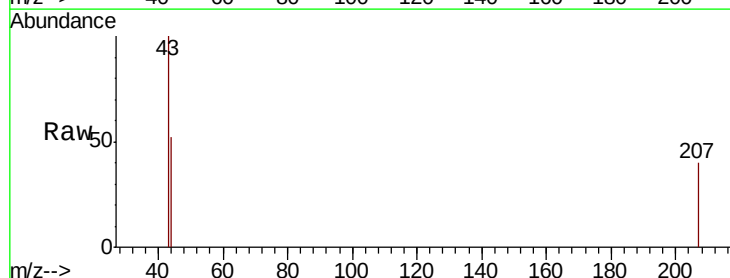
Acq: 20 Apr 2020 14:21

Tgt Ion: 43 Resp: 1126

Ion Ratio Lower Upper

43 100

58 0.0 24.6 37.0#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.79

500

400

300

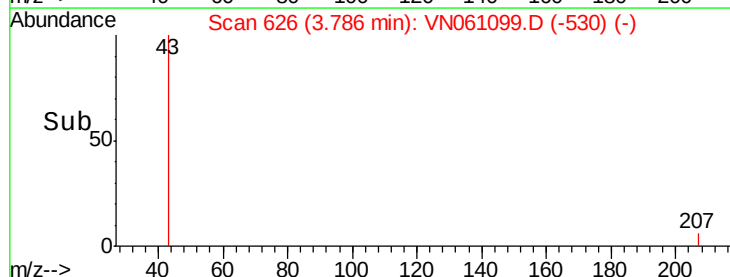
200

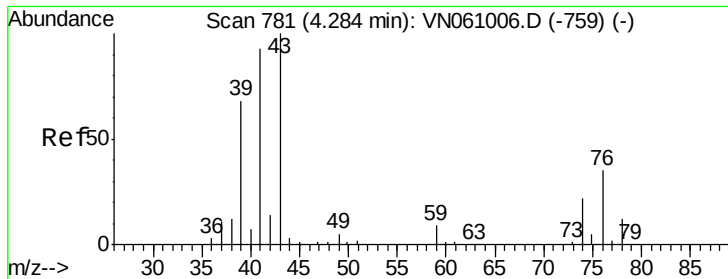
100

0

3.75 3.80 3.85

Time-->

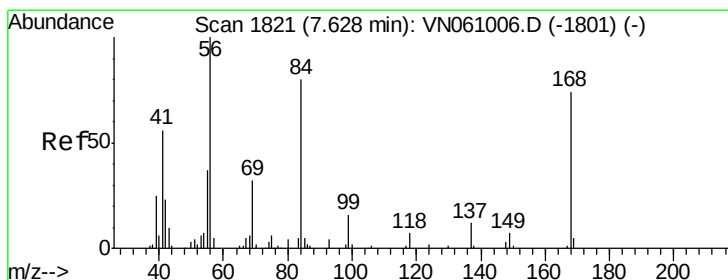
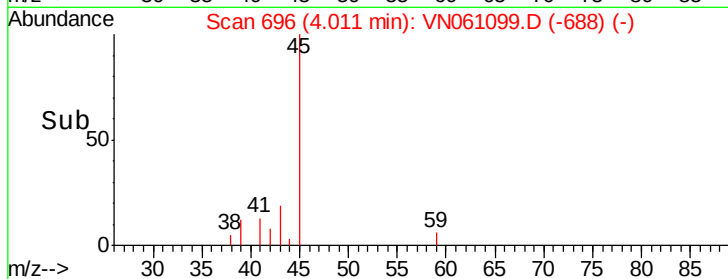
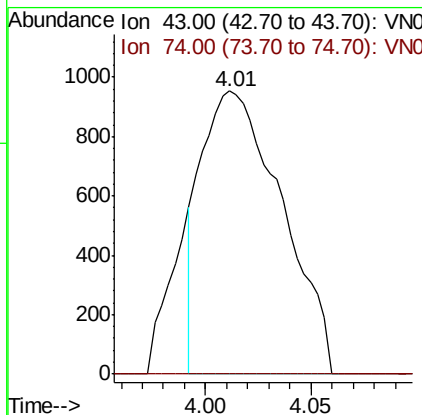
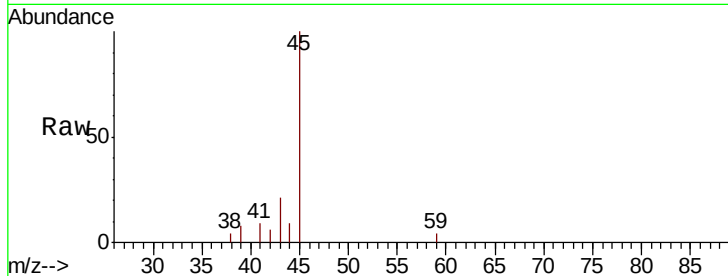




#18
Methvl Acetate
Concen: 0.930 ug/l
RT: 4.01 min Scan# 696
Delta R.T. -0.27 min
Lab File: VN061099.D
Acq: 20 Apr 2020 14:21

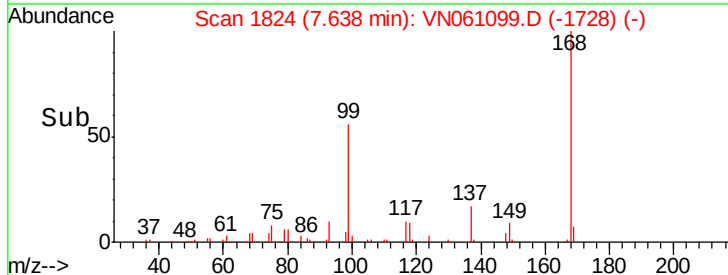
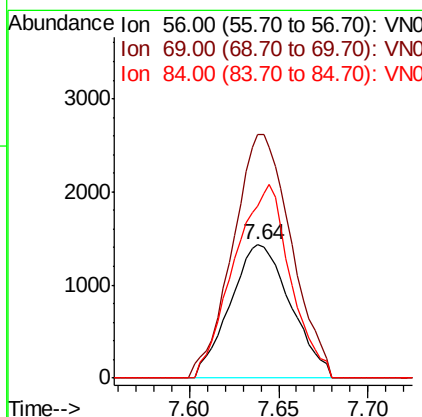
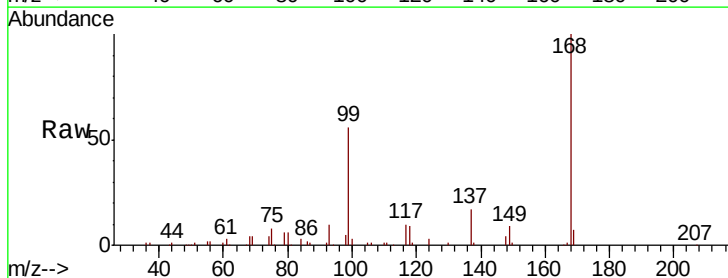
Instrument :
MSVOA_N
ClientSampled :

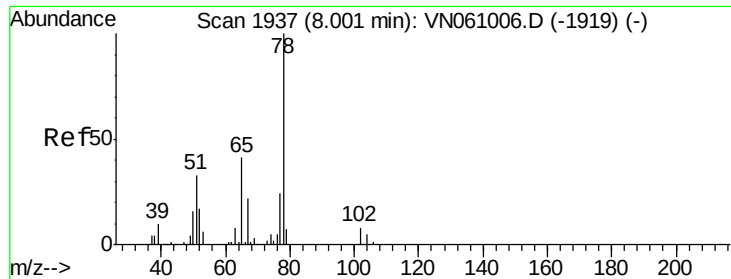
Tot Ion: 43 Resp: 2520
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.0#



#31
Cyclohexane
Concen: 0.923 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VN061099.D
Acq: 20 Apr 2020 14:21

Tgt Ion: 56 Resp: 3378
Ion Ratio Lower Upper
56 100
69 182.7 25.6 38.4#
84 129.1 63.4 95.2#

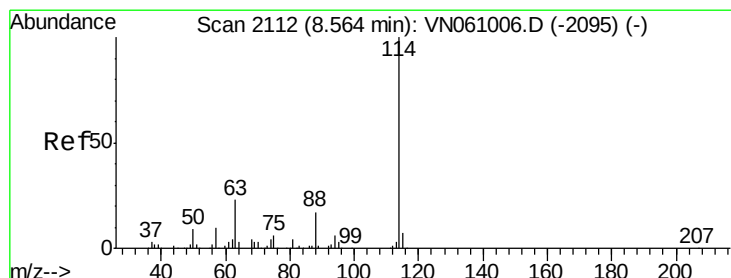
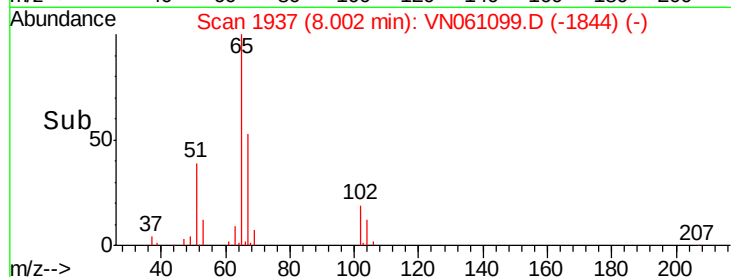
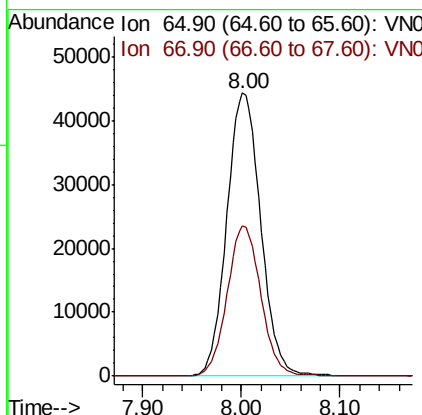
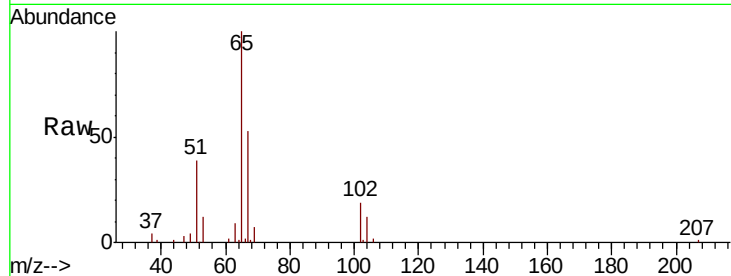




#33
 1,2-Dichloroethane-d4
 Concen: 54.158 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VN061099.D
 Acq: 20 Apr 2020 14:21

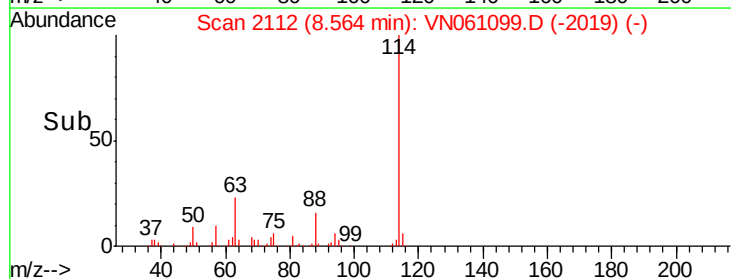
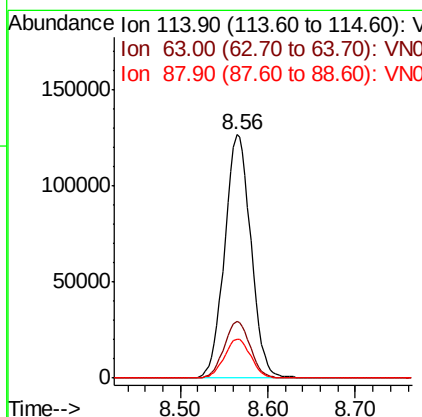
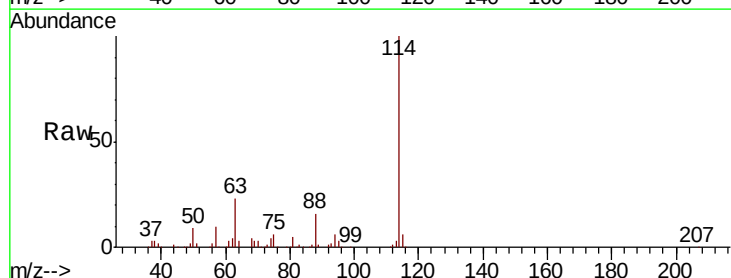
Instrument :
 MSVOA_N
 ClientSampleId :

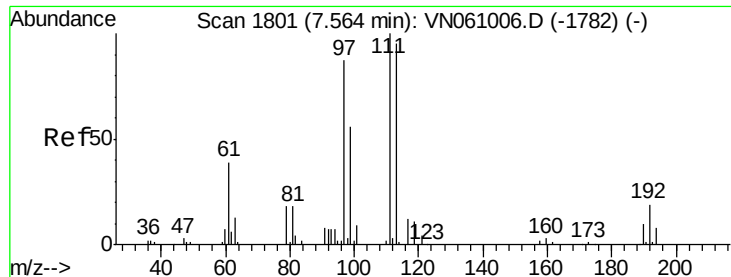
Tot Ion: 65 Resp: 106370
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VN061099.D
 Acq: 20 Apr 2020 14:21

Tgt Ion: 114 Resp: 264294
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 46.2
 88 16.1 0.0 33.4

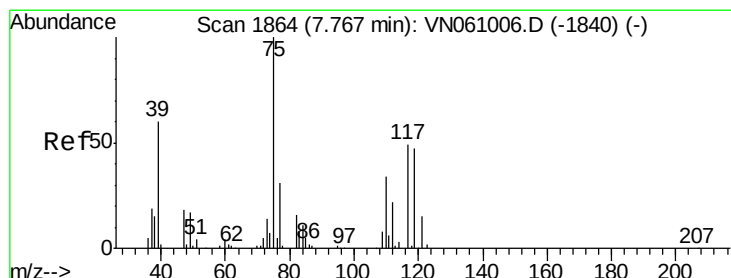
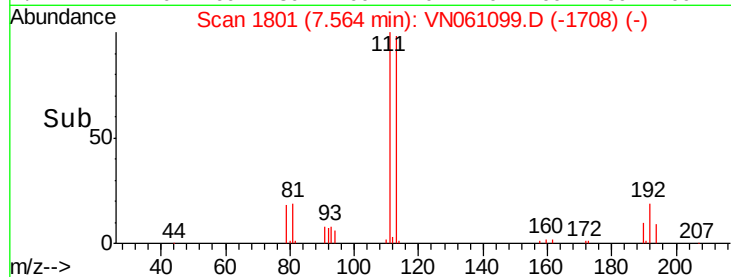
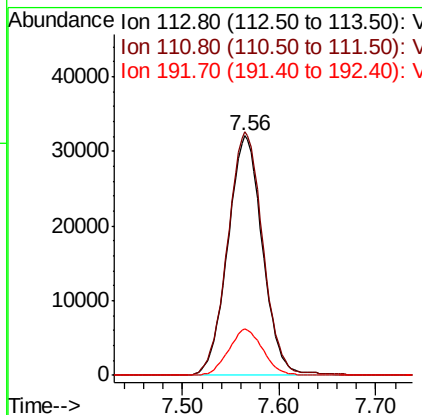
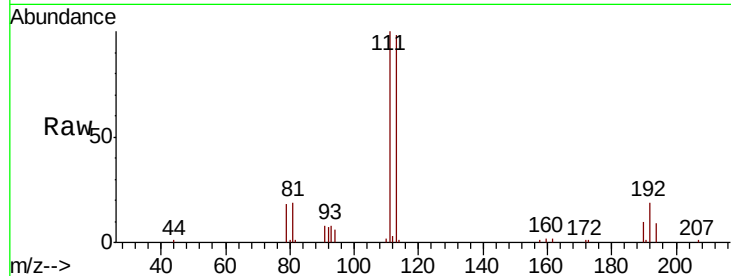




#35
 Dibromofluoromethane
 Concen: 51.790 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN061099.D
 Acq: 20 Apr 2020 14:21

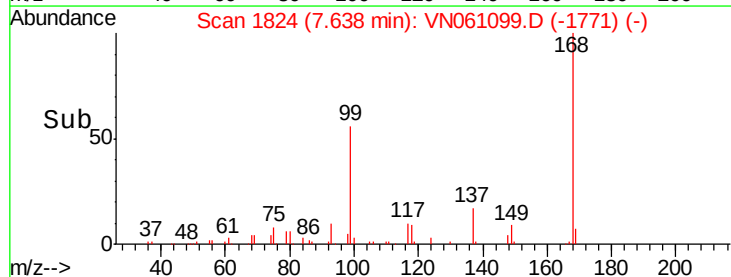
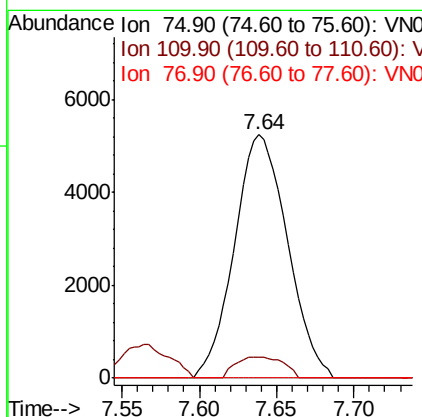
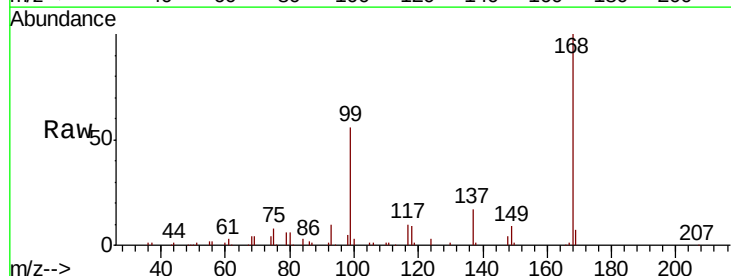
Instrument :
 MSVOA_N
 ClientSampleId :

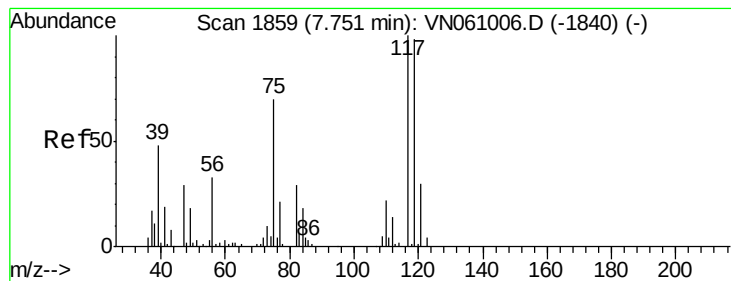
Tot Ion:113 Resp: 79935
 Ion Ratio Lower Upper
 113 100
 111 103.4 83.4 125.2
 192 18.9 15.5 23.3



#36
 1,1-Dichloropropene
 Concen: 4.575 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN061099.D
 Acq: 20 Apr 2020 14:21

Tgt Ion: 75 Resp: 12476
 Ion Ratio Lower Upper
 75 100
 110 7.8 16.8 50.3#
 77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.673 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN061099.D

Acq: 20 Apr 2020 14:21

Instrument :

MSVOA_N

ClientSampled :

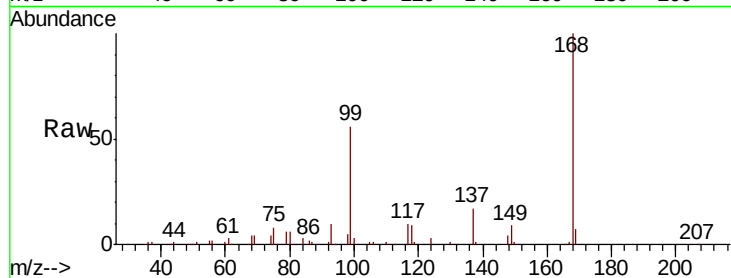
Tot Ion:117 Resp: 15148

Ion Ratio Lower Upper

117 100

119 5.7 78.1 117.1#

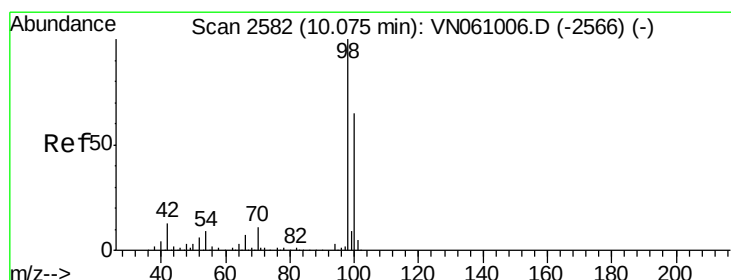
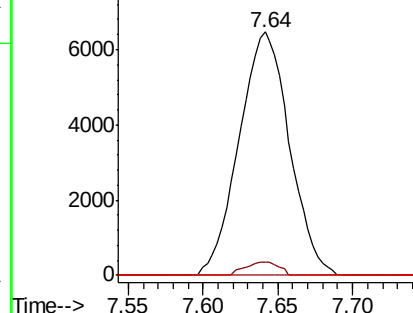
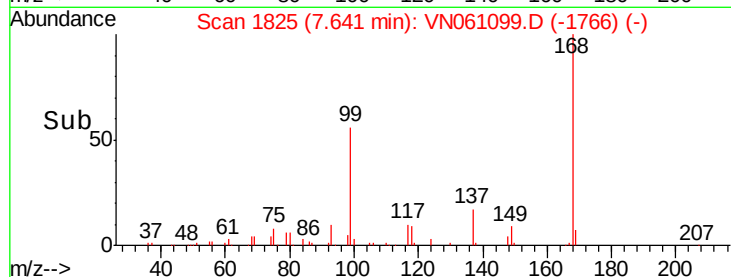
121 0.0 24.0 36.0#



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: 56.176 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. 0.00 min

Lab File: VN061099.D

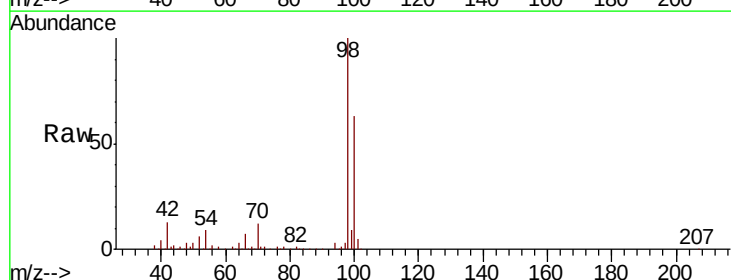
Acq: 20 Apr 2020 14:21

Tgt Ion: 98 Resp: 327638

Ion Ratio Lower Upper

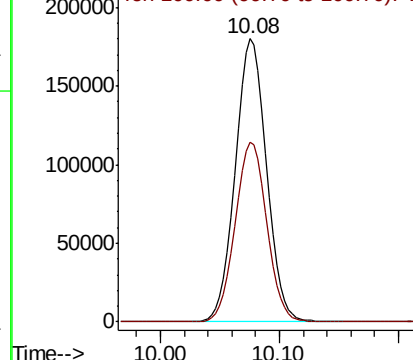
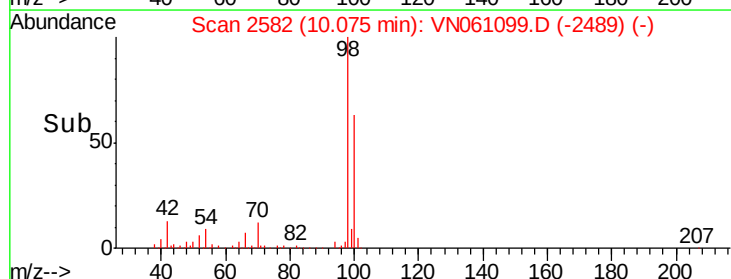
98 100

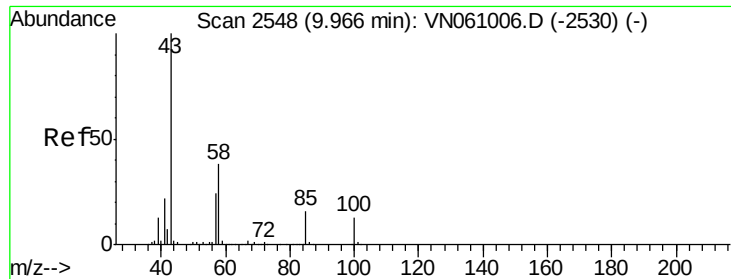
100 64.3 51.9 77.9



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: 0.612 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. 0.11 min

Lab File: VN061099.D

Acq: 20 Apr 2020 14:21

Instrument :

MSVOA_N

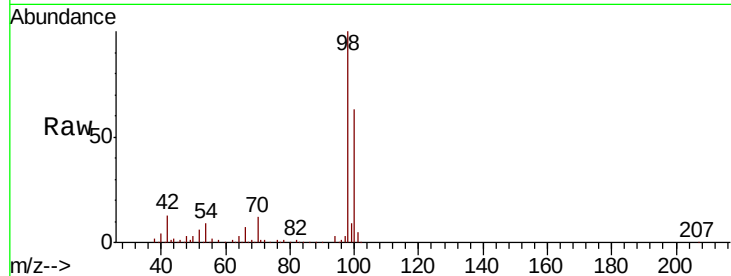
ClientSampleId :

Tot Ion: 43 Resp: 1700

Ion Ratio Lower Upper

43 100

58 161.8 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

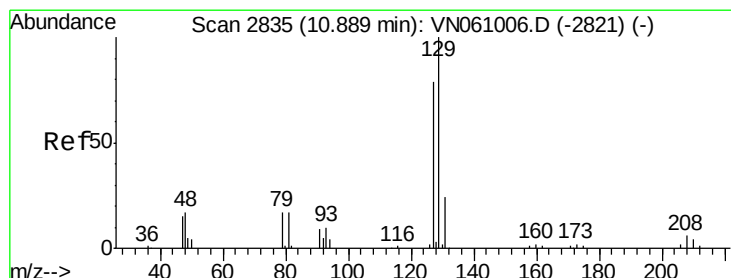
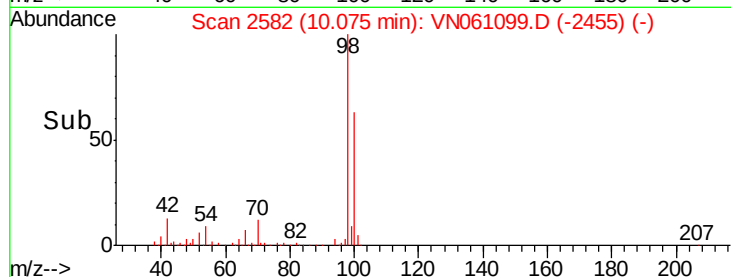
500

0

10.05

10.10

Time-->



#60

Dibromochloromethane

Concen: 0.217 ug/l

RT: 10.62 min Scan# 2751

Delta R.T. -0.27 min

Lab File: VN061099.D

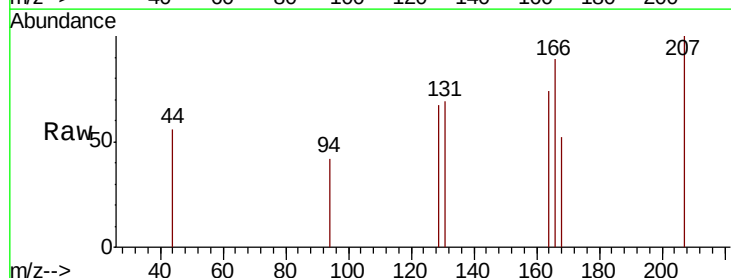
Acq: 20 Apr 2020 14:21

Tgt Ion: 129 Resp: 409

Ion Ratio Lower Upper

129 100

127 0.0 39.0 116.9#



Abundance Ion 128.80 (128.50 to 129.50): VN061006.D (-2821) (-)

Ion 126.80 (126.50 to 127.50): VN061006.D (-2821) (-)

300

250

200

150

100

50

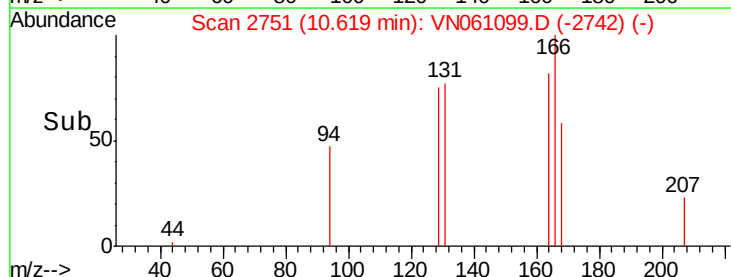
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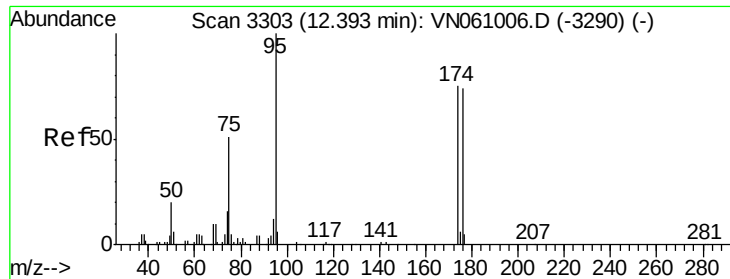
10.60

10.62

10.64

Time-->

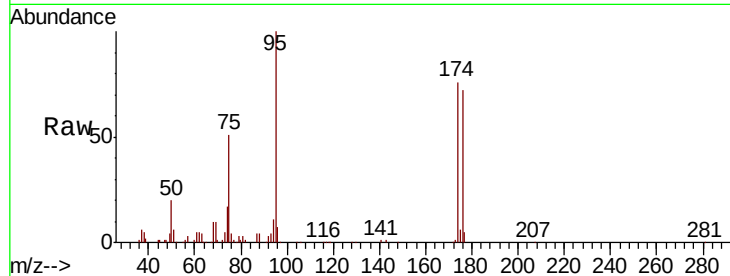




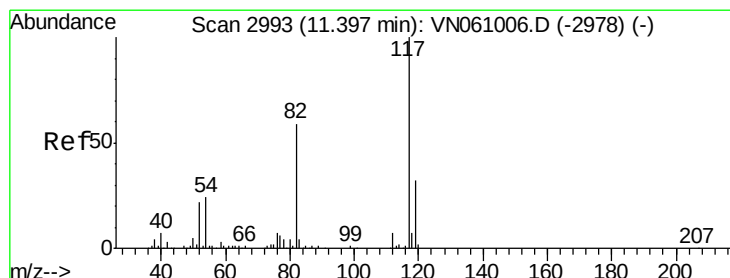
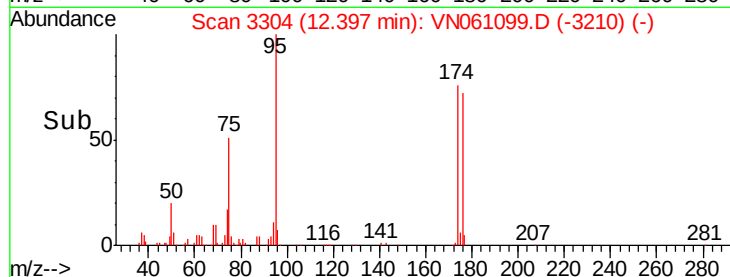
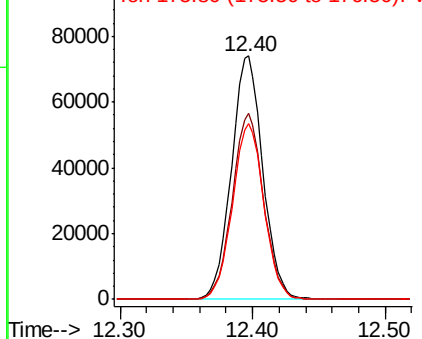
#62
4-Bromofluorobenzene
Concen: 53.079 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN061099.D
Acq: 20 Apr 2020 14:21

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 95 Resp: 121331
Ion Ratio Lower Upper
95 100
174 76.3 0.0 151.2
176 72.3 0.0 148.2

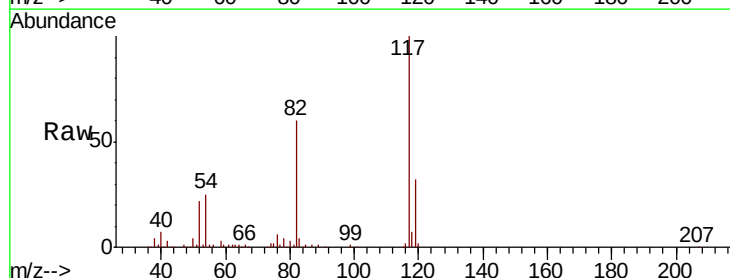


Abundance Ion 94.90 (94.60 to 95.60): VN061006.D (-3290) (-)
Ion 173.80 (173.50 to 174.50): VN061006.D (-3290) (-)
Ion 175.80 (175.50 to 176.50): VN061006.D (-3290) (-)

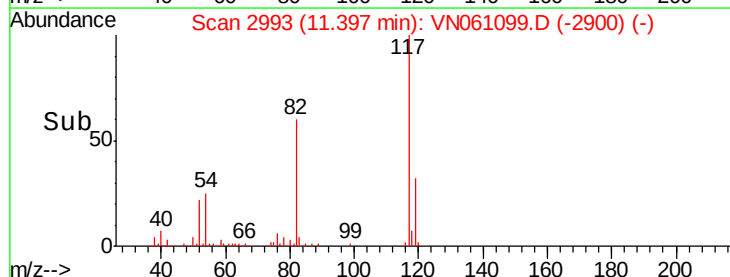
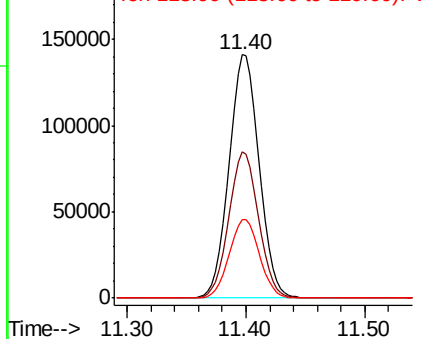


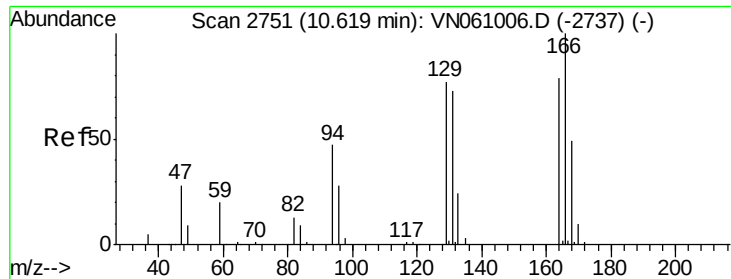
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. 0.00 min
Lab File: VN061099.D
Acq: 20 Apr 2020 14:21

Tgt Ion: 117 Resp: 246986
Ion Ratio Lower Upper
117 100
82 60.0 47.1 70.7
119 32.3 25.7 38.5



Abundance Ion 116.90 (116.60 to 117.60): VN061006.D (-2978) (-)
Ion 82.00 (81.70 to 82.70): VN061006.D (-2978) (-)
Ion 118.90 (118.60 to 119.60): VN061006.D (-2978) (-)





#64

Tetrachloroethene

Concen: 0.233 ug/l

RT: 10.62 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VN061099.D

Acq: 20 Apr 2020 14:21

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:164 Resp: 441

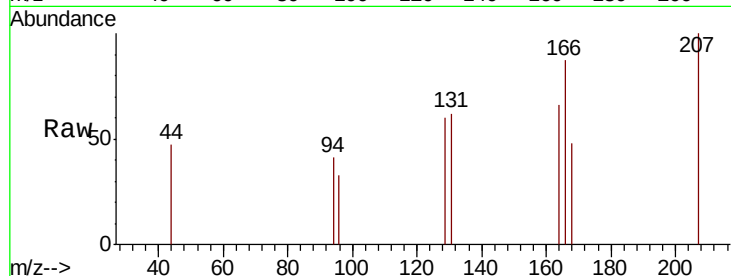
Ion Ratio Lower Upper

164 100

166 130.5 101.6 152.4

129 89.7 78.5 117.7

131 92.6 74.3 111.5

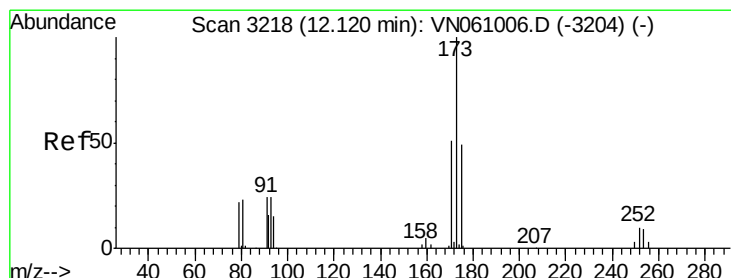
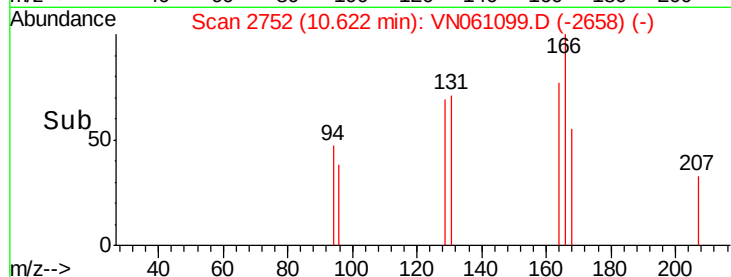
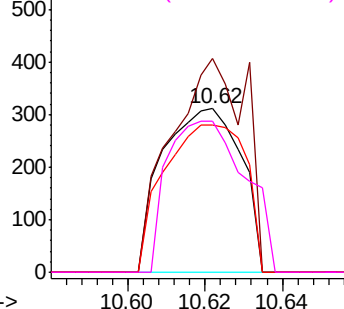


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#71

Bromoform

Concen: 0.522 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.28 min

Lab File: VN061099.D

Acq: 20 Apr 2020 14:21

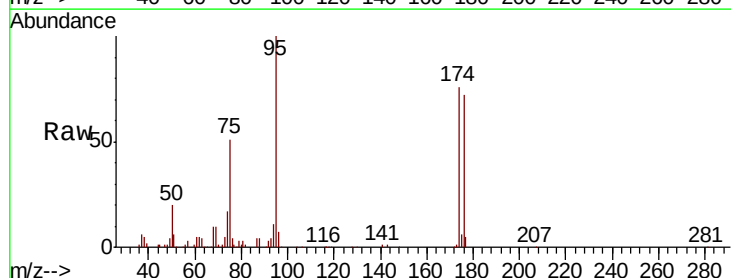
Tgt Ion:173 Resp: 711

Ion Ratio Lower Upper

173 100

175 823.2 24.5 73.5#

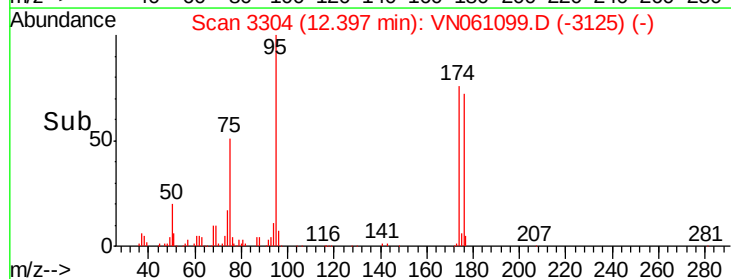
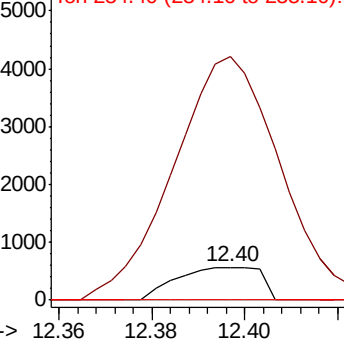
254 0.0 0.0 0.0

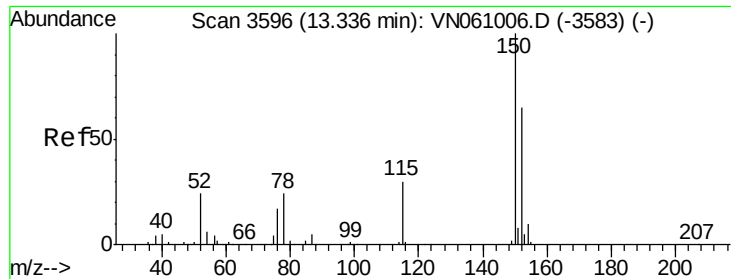


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



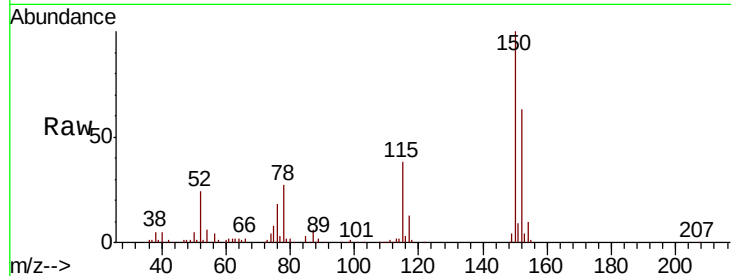


#72

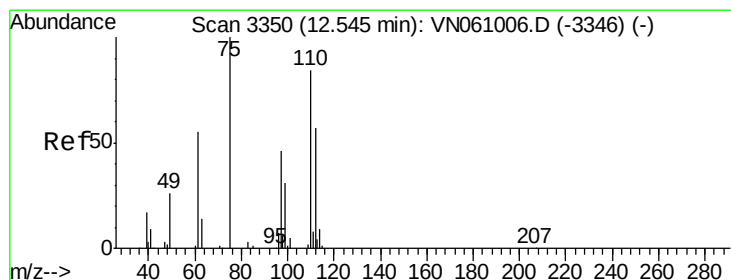
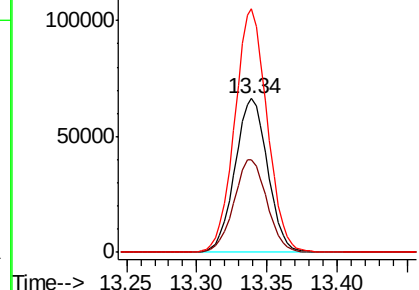
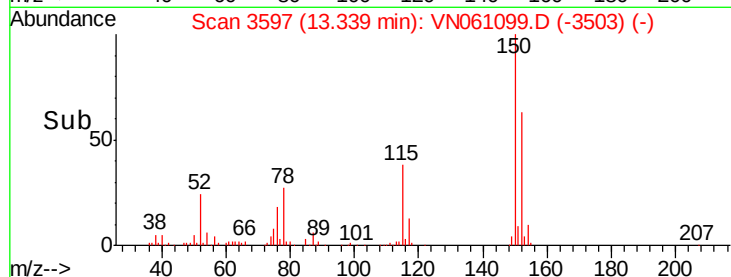
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN061099.D
Acq: 20 Apr 2020 14:21

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.9	30.8	92.4
150	157.1	0.0	349.0



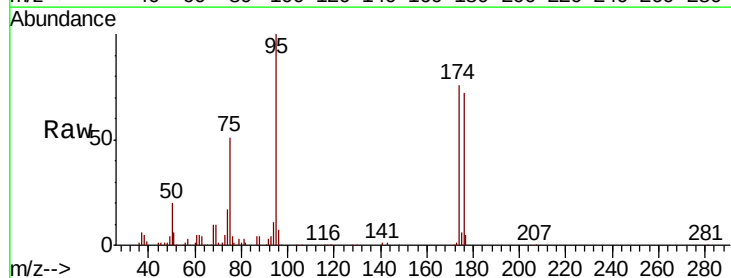
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



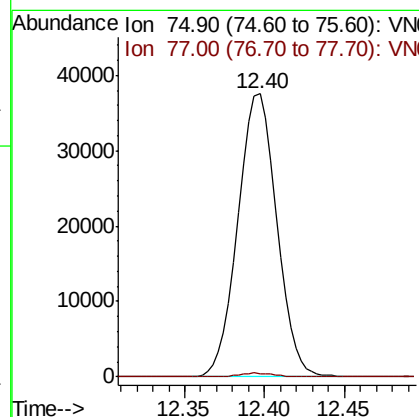
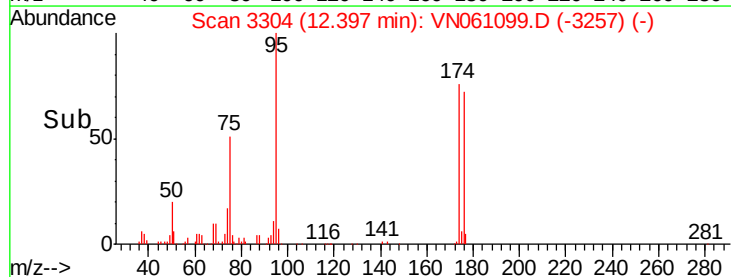
#76

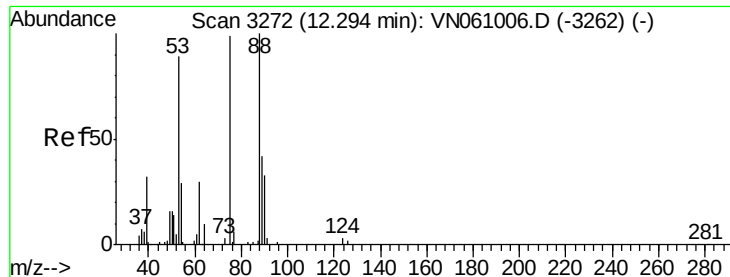
1,2,3-Trichloropropane
Concen: 26.214 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.15 min
Lab File: VN061099.D
Acq: 20 Apr 2020 14:21

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.1	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 77.00 (76.70 to 77.70): V





#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.659 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN061099.D
 Acq: 20 Apr 2020 14:21

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 75 Resp: 62172
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.7 112.1#
 89 0.0 34.6 52.0#

