

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042020\
 Data File : VN061097.D
 Acq On : 20 Apr 2020 13:36
 Operator : JC/MD
 Sample : L2334-05DL 20X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ST008MW336-200415DL

Quant Time: Apr 21 03:58:42 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	147863	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	254054	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	238824	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	103337	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	102062	53.95	ug/l	0.00
Spiked Amount						
			Recovery	=	107.90%	
35) Dibromofluoromethane	7.56	113	75661	51.00	ug/l	0.00
Spiked Amount						
			Recovery	=	102.00%	
50) Toluene-d8	10.08	98	313510	55.92	ug/l	0.00
Spiked Amount						
			Recovery	=	111.84%	
62) 4-Bromofluorobenzene	12.40	95	116713	53.12	ug/l	0.00
Spiked Amount						
			Recovery	=	106.24%	

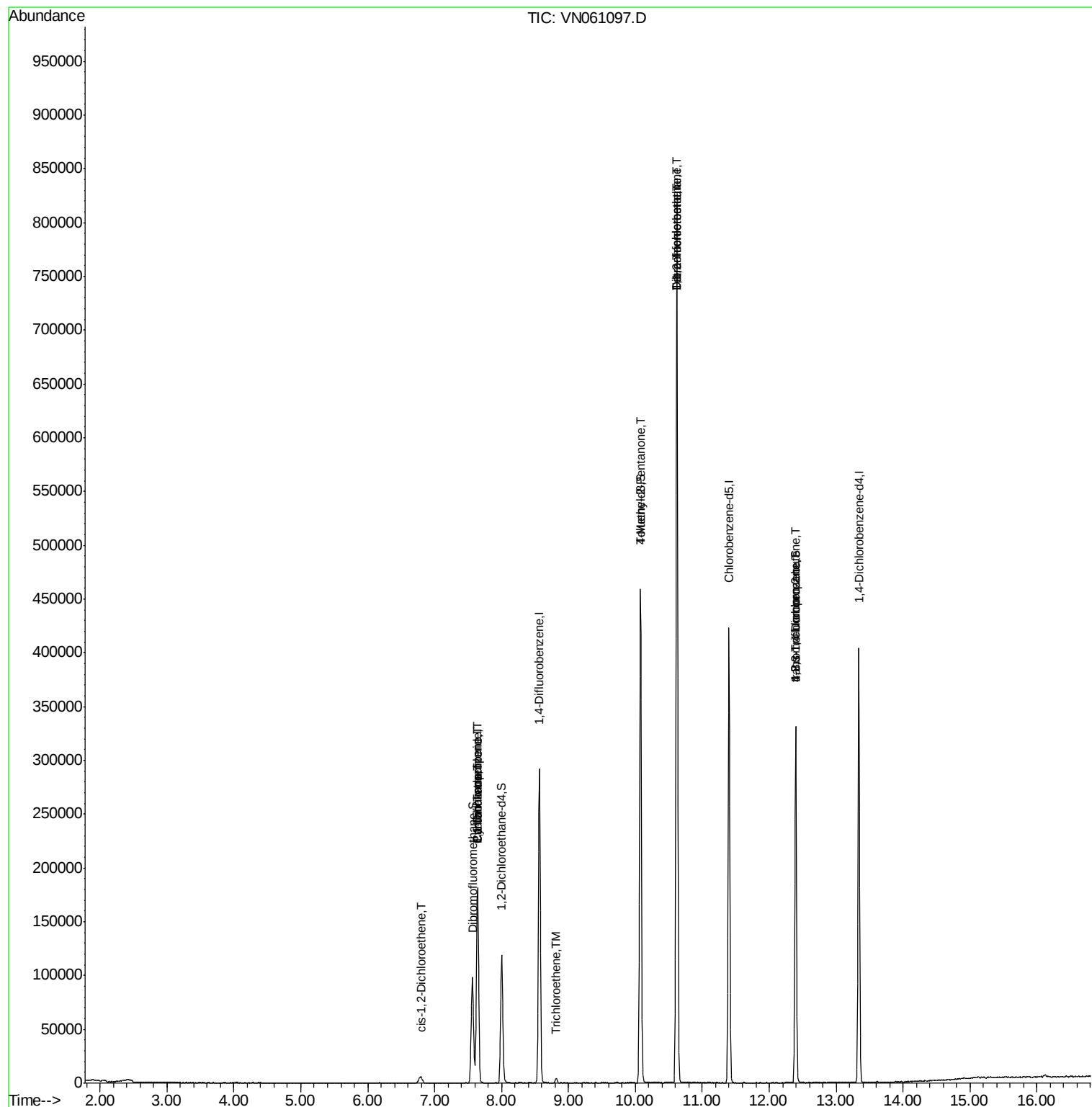
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
27) cis-1,2-Dichloroethene	6.80	96	2731	1.374	ug/l	86
31) Cyclohexane	7.64	56	3483	0.988	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	12111	4.620	ug/l #	47
38) Carbon Tetrachloride	7.64	117	14793	6.779	ug/l #	15
44) Trichloroethene	8.82	130	1764	0.903	ug/l	95
51) 4-Methyl-2-Pentanone	10.08	43	1539	0.577	ug/l #	1
55) 1,1,2-Trichloroethane	10.62	97	1678	0.950	ug/l #	1
60) Dibromochloromethane	10.62	129	178941	98.656	ug/l #	10
64) Tetrachloroethene	10.62	164	188790	103.304	ug/l	99
76) 1,2,3-Trichloropropane	12.39	75	59226	26.056	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.39	75	59226	64.270	ug/l #	12

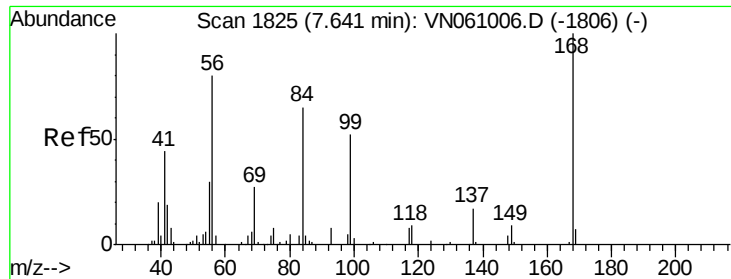
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 21 03:58:42 2020
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Quant Title : SW846 8260
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: VN061097.D

Acq: 20 Apr 2020 13:36

Instrument :

MSVOA_N

ClientSampleId :

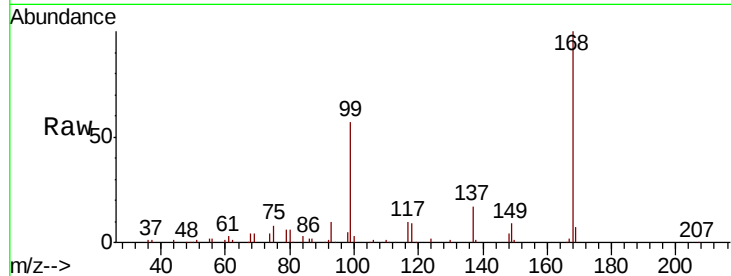
ST008MW336-200415DL

Tot Ion:168 Resp: 147863

Ion Ratio Lower Upper

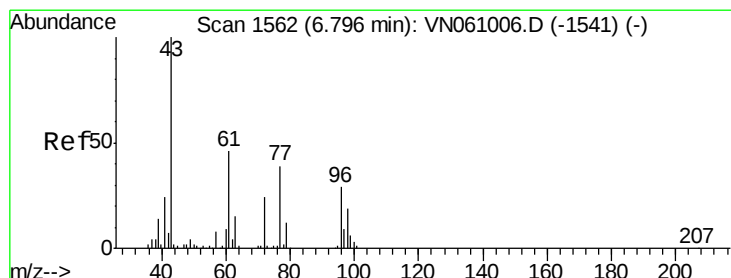
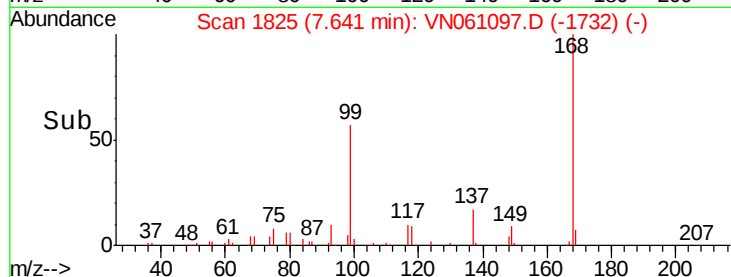
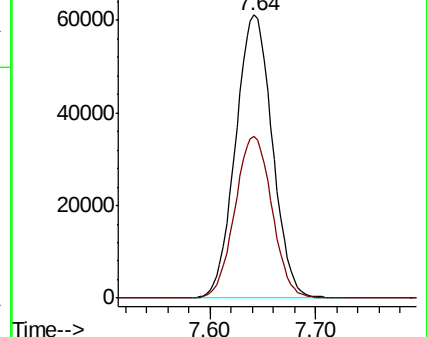
168 100

99 57.0 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): VN061006.D (-1806) (-)

Ion 98.90 (98.60 to 99.60): VN061006.D (-1806) (-)



#27

cis-1,2-Dichloroethene

Concen: 1.374 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.01 min

Lab File: VN061097.D

Acq: 20 Apr 2020 13:36

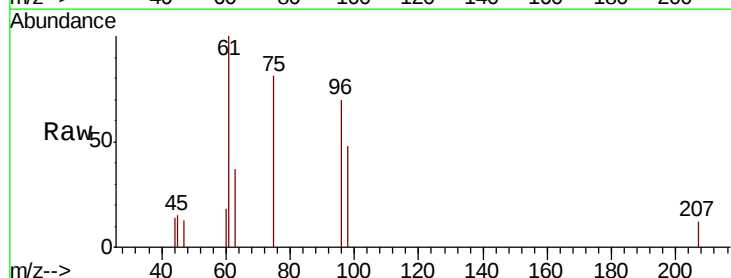
Tgt Ion: 96 Resp: 2731

Ion Ratio Lower Upper

96 100

61 136.7 0.0 317.4

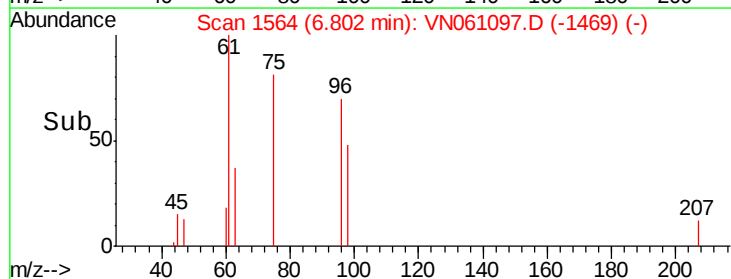
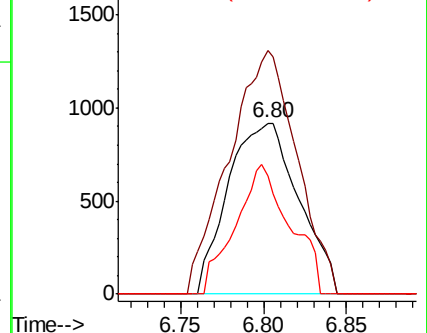
98 58.1 0.0 127.8

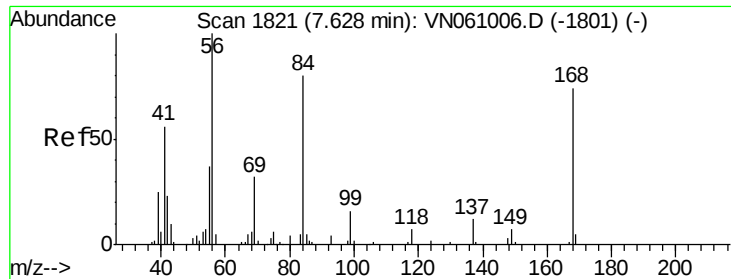


Abundance Ion 95.90 (95.60 to 96.60): VN061006.D (-1541) (-)

Ion 60.90 (60.60 to 61.60): VN061006.D (-1541) (-)

Ion 97.90 (97.60 to 98.60): VN061006.D (-1541) (-)

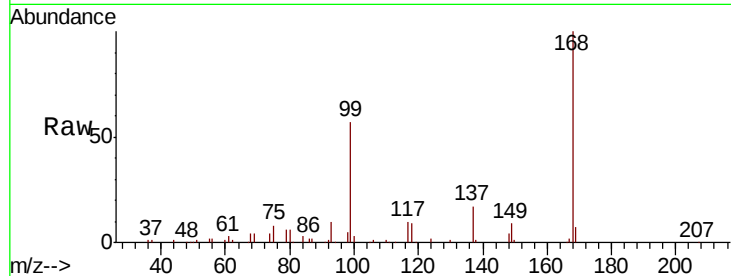




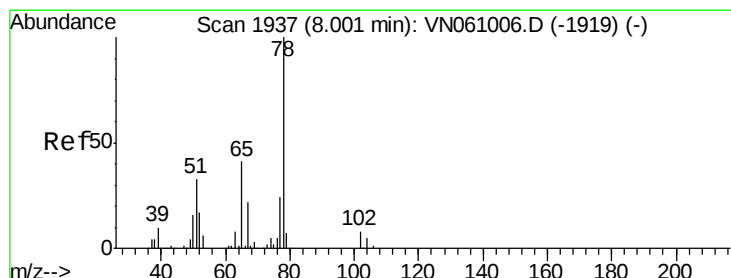
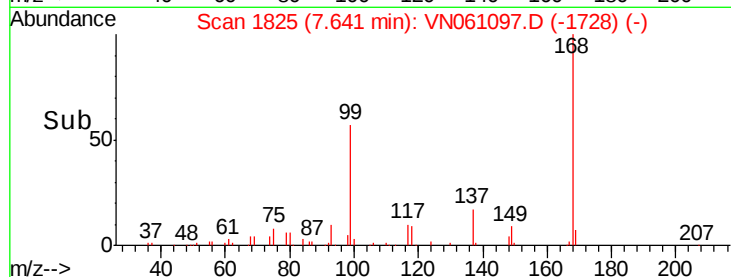
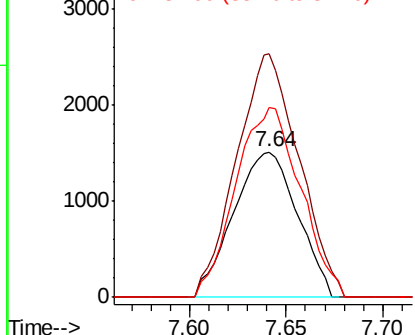
#31
Cyclohexane
Concen: 0.988 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN061097.D
Acq: 20 Apr 2020 13:36

Instrument :
MSVOA_N
ClientSampleId :
ST008MW336-200415DL

Tot Ion: 56 Resp: 3483
Ion Ratio Lower Upper
56 100
69 167.2 25.6 38.4#
84 130.3 63.4 95.2#

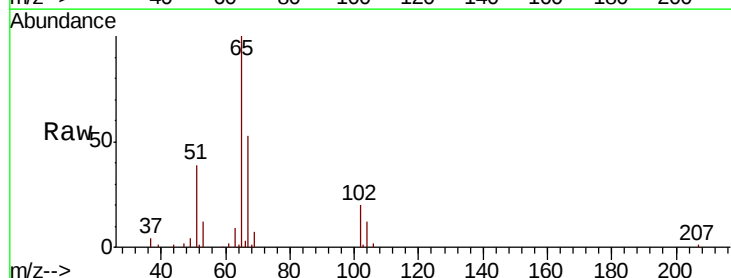


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

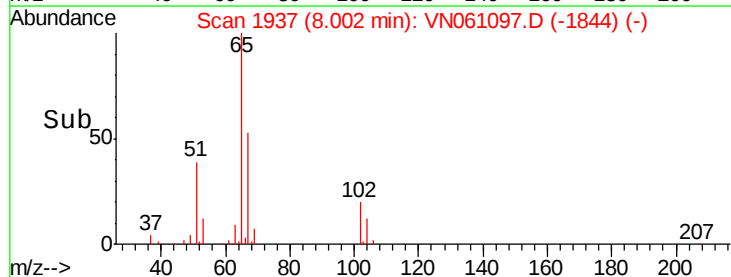
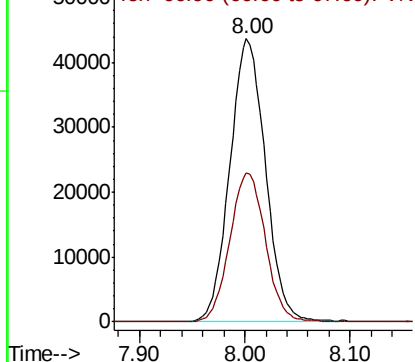


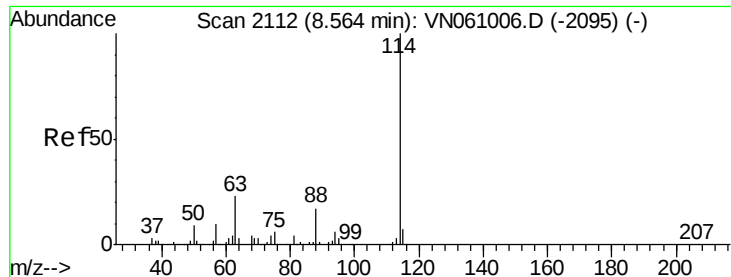
#33
1,2-Dichloroethane-d4
Concen: 53.949 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN061097.D
Acq: 20 Apr 2020 13:36

Tgt Ion: 65 Resp: 102062
Ion Ratio Lower Upper
65 100
67 52.7 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

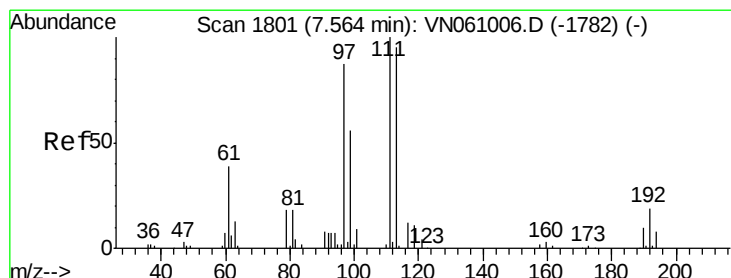
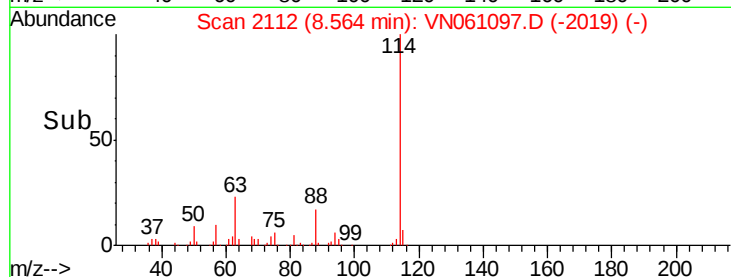
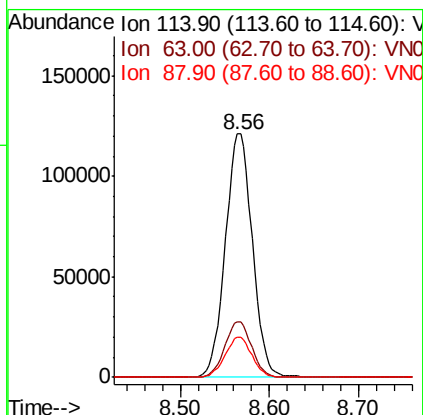
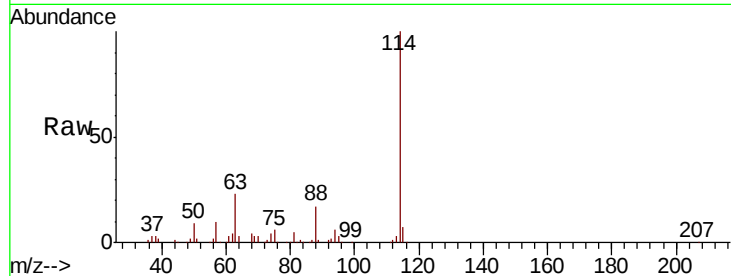




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VN061097.D
 Acq: 20 Apr 2020 13:36

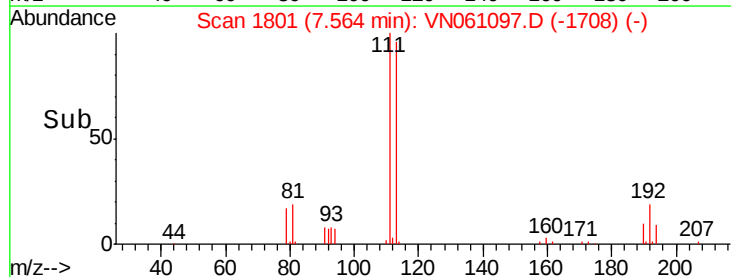
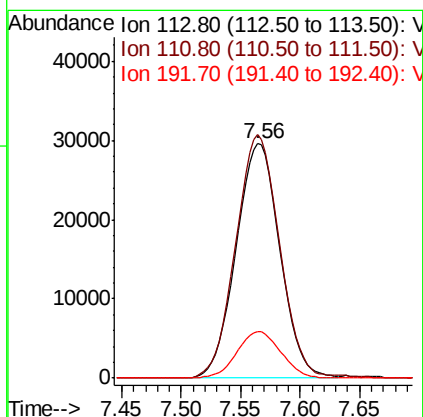
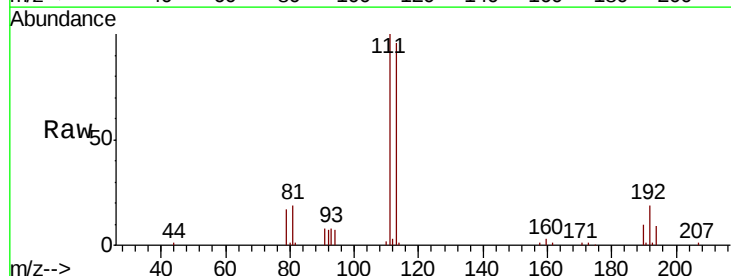
Instrument :
 MSVOA_N
 ClientSampleId :
 ST008MW336-200415DL

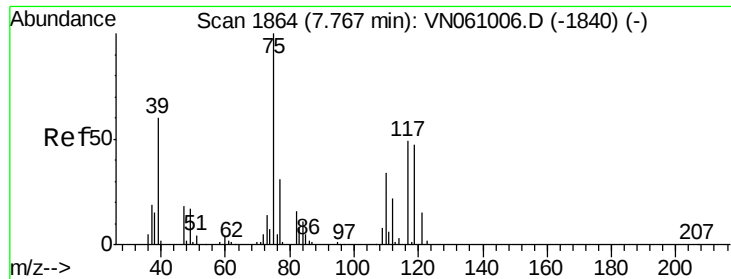
Tot Ion	Ratio	Lower	Upper
114	100		
63	23.0	0.0	46.2
88	16.6	0.0	33.4



#35
 Dibromofluoromethane
 Concen: 50.997 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN061097.D
 Acq: 20 Apr 2020 13:36

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.9	83.4	125.2
192	19.8	15.5	23.3

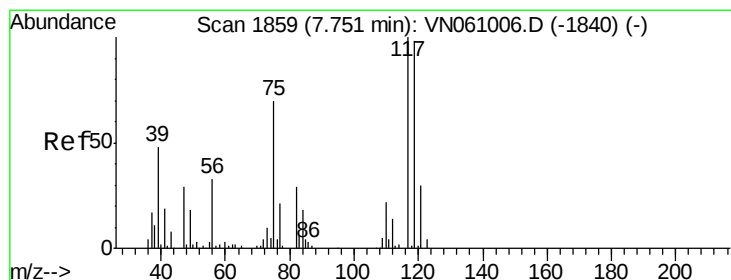
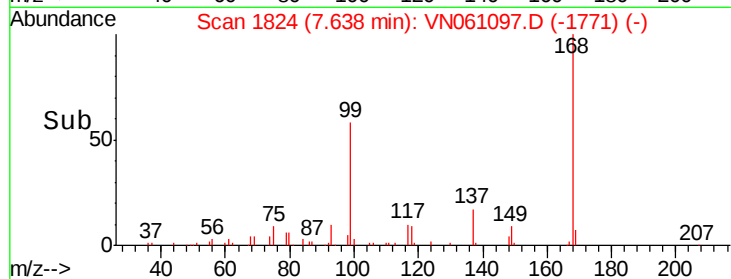
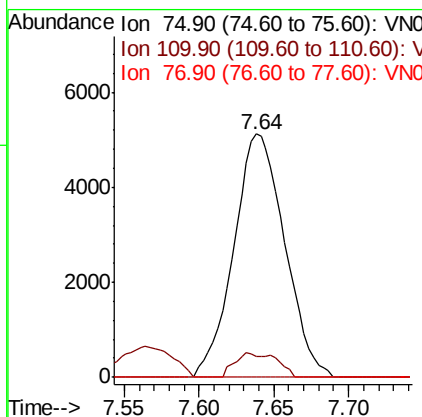
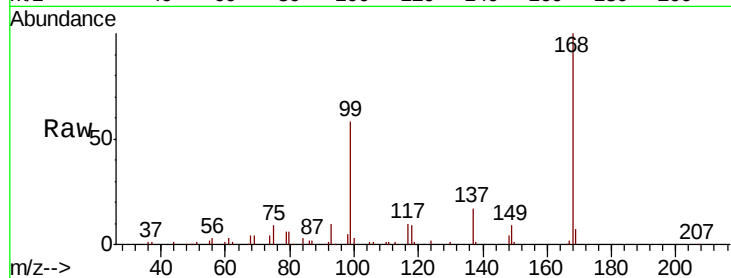




#36
 1,1-Dichloropropene
 Concen: 4.620 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN061097.D
 Acq: 20 Apr 2020 13:36

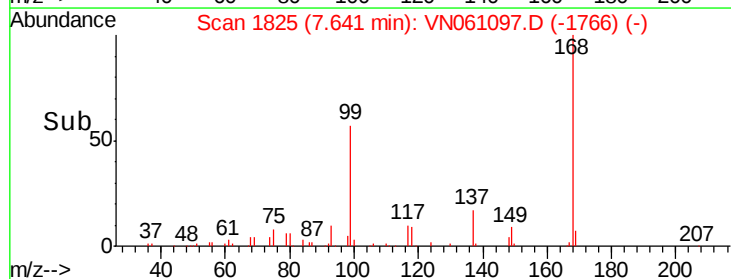
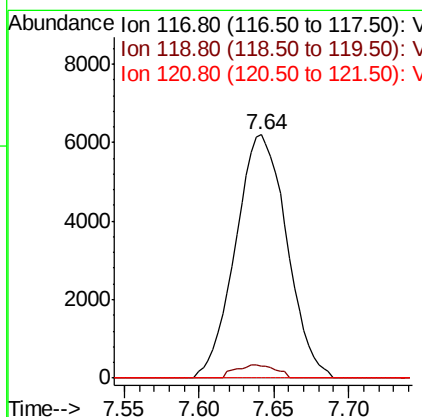
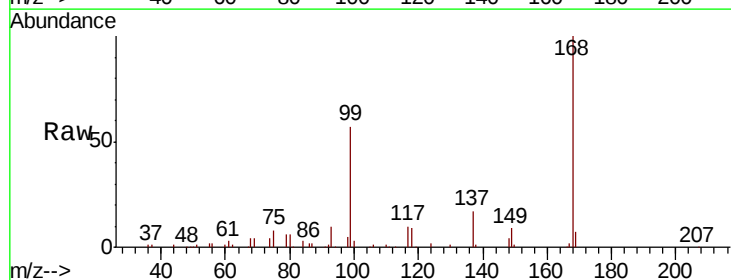
Instrument :
 MSVOA_N
 ClientSampleId :
 ST008MW336-200415DL

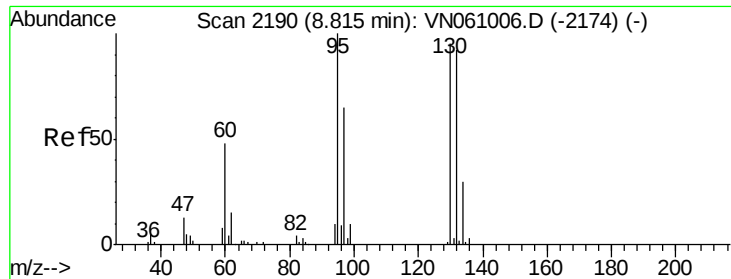
Tot Ion	Ratio	Lower	Upper
75	100		
110	5.1	16.8	50.3#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.779 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN061097.D
 Acq: 20 Apr 2020 13:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.9	78.1	117.1#
121	0.0	24.0	36.0#





#44

Trichloroethene

Concen: 0.903 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN061097.D

Acq: 20 Apr 2020 13:36

Instrument :

MSVOA_N

ClientSampleId :

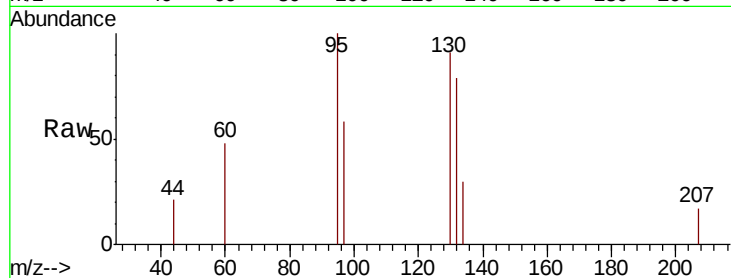
ST008MW336-200415DL

Tot Ion:130 Resp: 1764

Ion Ratio Lower Upper

130 100

95 109.8 0.0 210.0

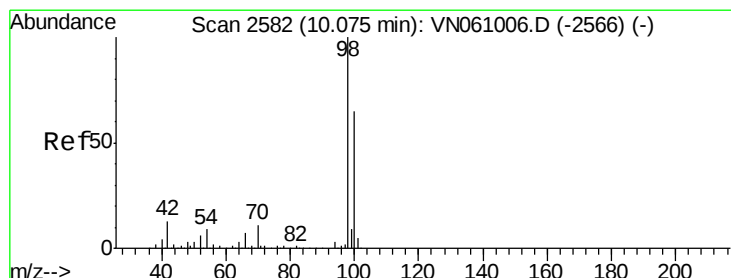
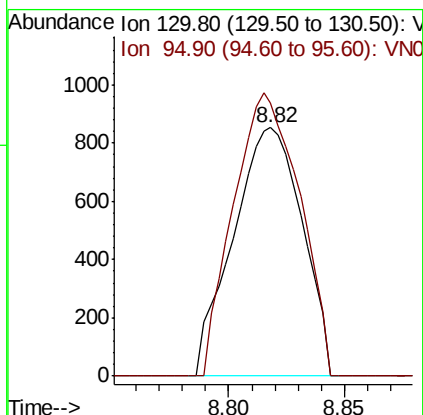
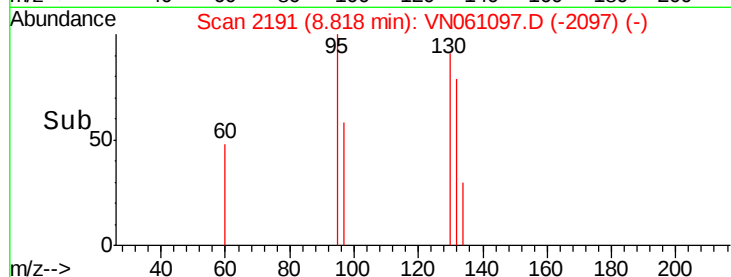


Abundance Ion 129.80 (129.50 to 130.50): VN061006.D (-2174) (-)

Ion 94.90 (94.60 to 95.60): VN061006.D (-2174) (-)

8.82

8.85



#50

Toluene-d8

Concen: 55.920 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. 0.00 min

Lab File: VN061097.D

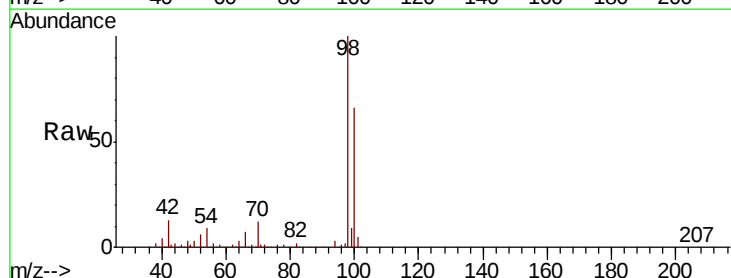
Acq: 20 Apr 2020 13:36

Tgt Ion: 98 Resp: 313510

Ion Ratio Lower Upper

98 100

100 65.2 51.9 77.9

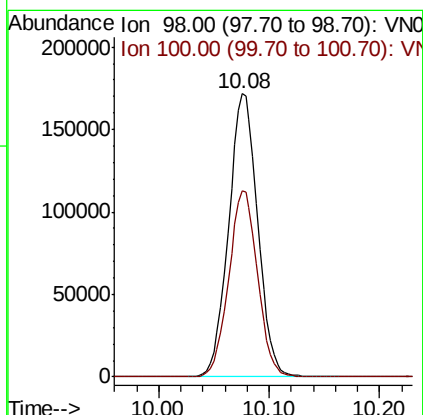
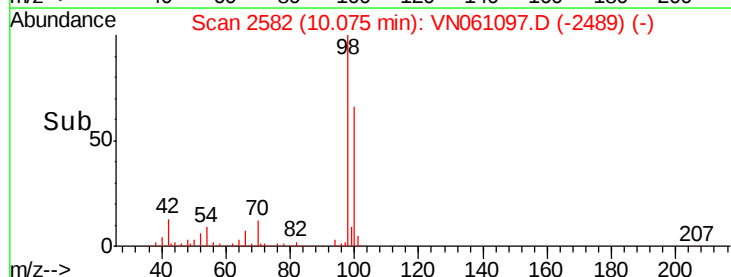


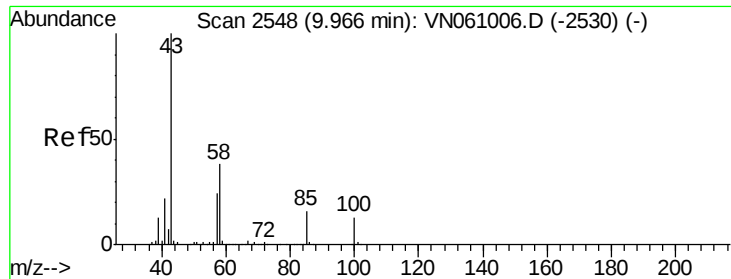
Abundance Ion 98.00 (97.70 to 98.70): VN061006.D (-2566) (-)

Ion 100.00 (99.70 to 100.70): VN061006.D (-2566) (-)

10.08

10.20





#51

4-Methyl-2-Pentanone

Concen: 0.577 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. 0.11 min

Lab File: VN061097.D

Acq: 20 Apr 2020 13:36

Instrument :

MSVOA_N

ClientSampleId :

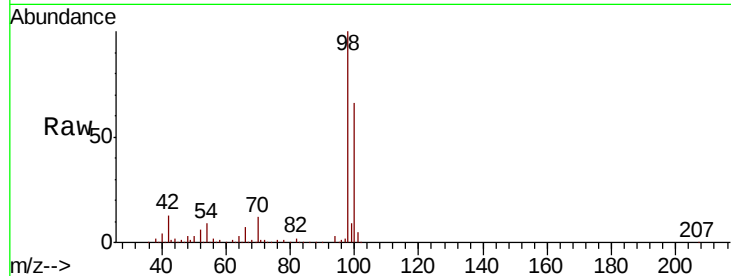
ST008MW336-200415DL

Tot Ion: 43 Resp: 1539

Ion Ratio Lower Upper

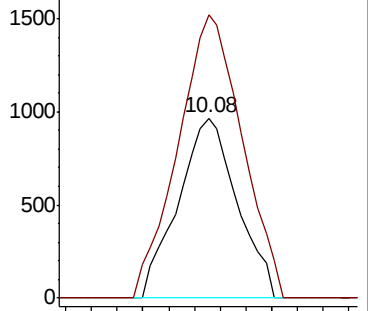
43 100

58 171.2 30.3 45.5#

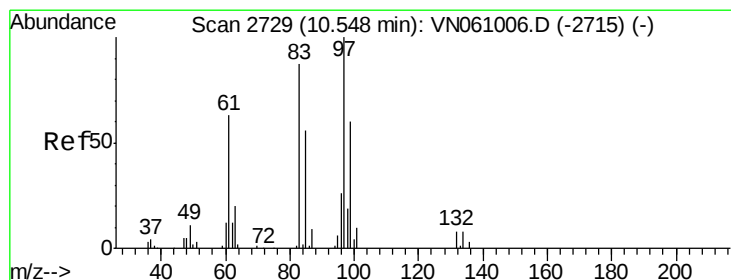
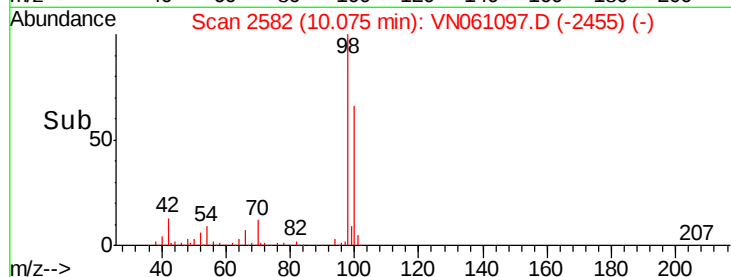


Abundance Ion 43.00 (42.70 to 43.70): VN061006.D (-2530) (-)

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



Time-->



#55

1,1,2-Trichloroethane

Concen: 0.950 ug/l

RT: 10.62 min Scan# 2750

Delta R.T. 0.07 min

Lab File: VN061097.D

Acq: 20 Apr 2020 13:36

Tgt Ion: 97 Resp: 1678

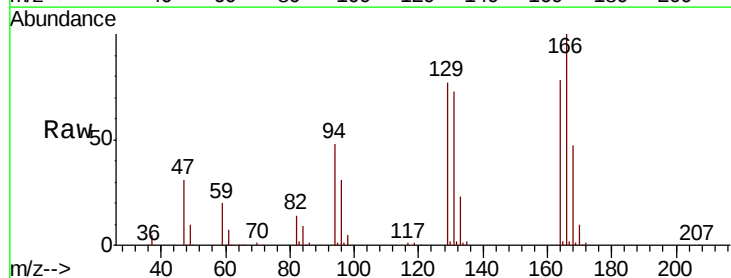
Ion Ratio Lower Upper

97 100

83 250.8 69.5 104.3#

85 37.2 45.0 67.4#

99 0.0 47.9 71.9#

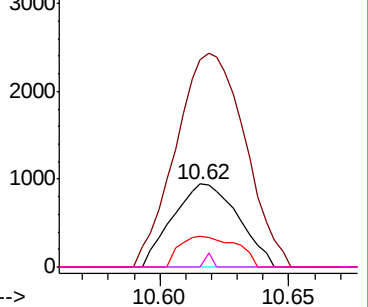


Abundance Ion 96.90 (96.60 to 97.60): VN061006.D (-2715) (-)

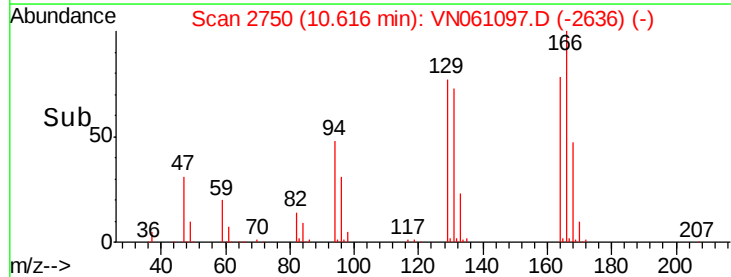
Ion 82.90 (82.60 to 83.60): VN061006.D (-2715) (-)

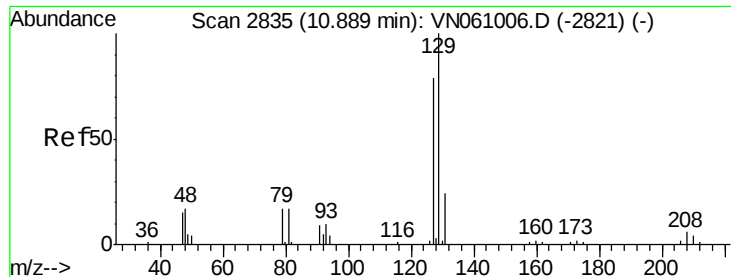
Ion 84.90 (84.60 to 85.60): VN061006.D (-2715) (-)

Ion 98.90 (98.60 to 99.60): VN061006.D (-2715) (-)



Time-->

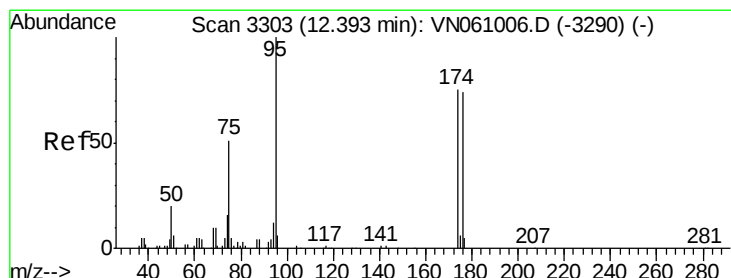
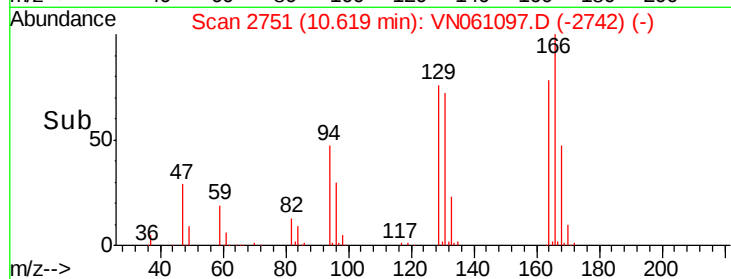
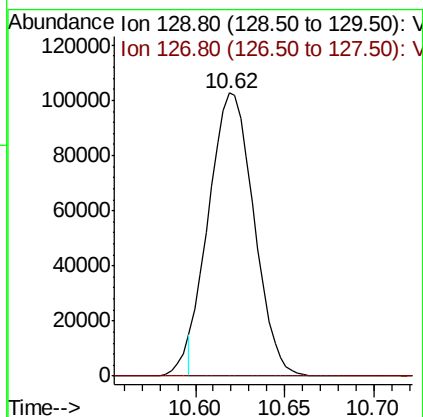
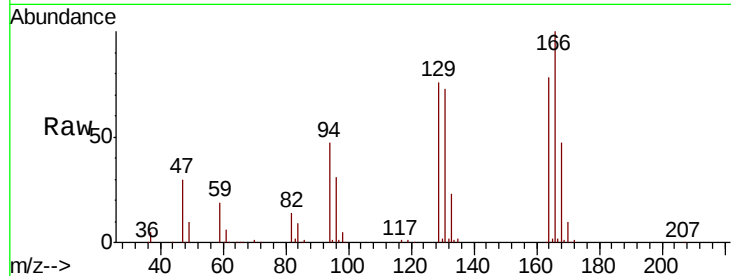




#60
 Dibromochloromethane
 Concen: 98.656 ug/l
 RT: 10.62 min Scan# 2751
 Delta R.T. -0.27 min
 Lab File: VN061097.D
 Acq: 20 Apr 2020 13:36

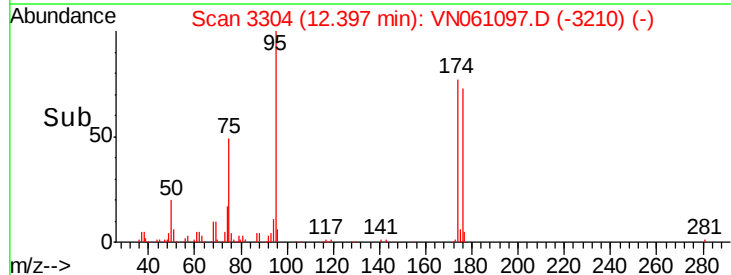
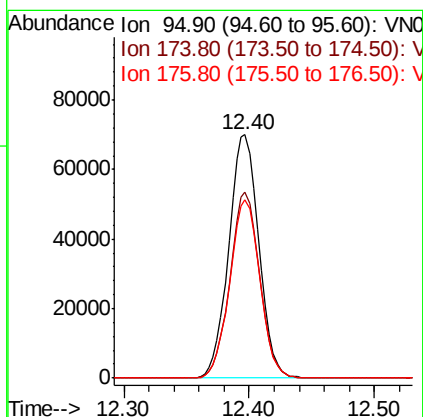
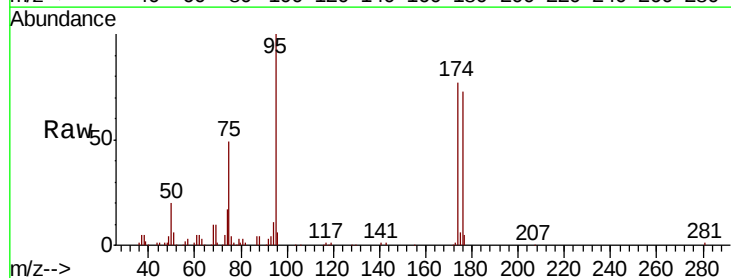
Instrument :
 MSVOA_N
 ClientSampleId :
 ST008MW336-200415DL

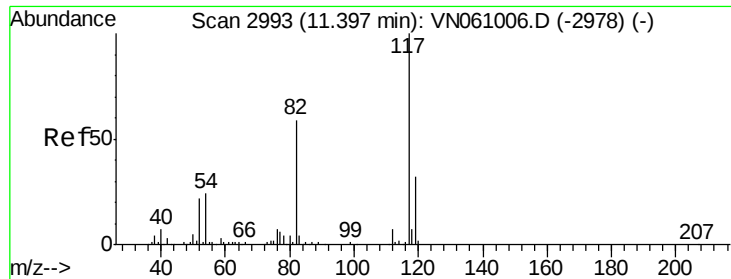
Tot Ion:129 Resp: 178941
 Ion Ratio Lower Upper
 129 100
 127 0.0 39.0 116.9#



#62
 4-Bromofluorobenzene
 Concen: 53.116 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN061097.D
 Acq: 20 Apr 2020 13:36

Tgt Ion: 95 Resp: 116713
 Ion Ratio Lower Upper
 95 100
 174 75.4 0.0 151.2
 176 73.2 0.0 148.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2993

Delta R.T. 0.00 min

Lab File: VN061097.D

Acq: 20 Apr 2020 13:36

Instrument :

MSVOA_N

ClientSampleId :

ST008MW336-200415DL

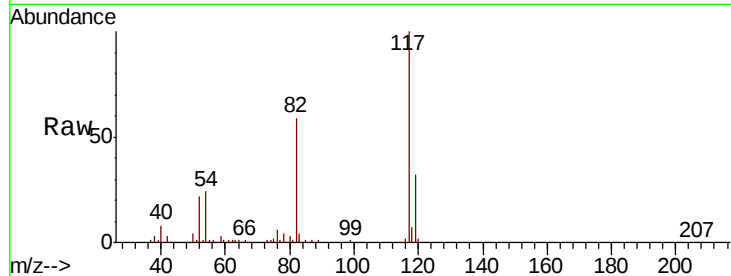
Tot Ion:117 Resp: 238824

Ion Ratio Lower Upper

117 100

82 59.1 47.1 70.7

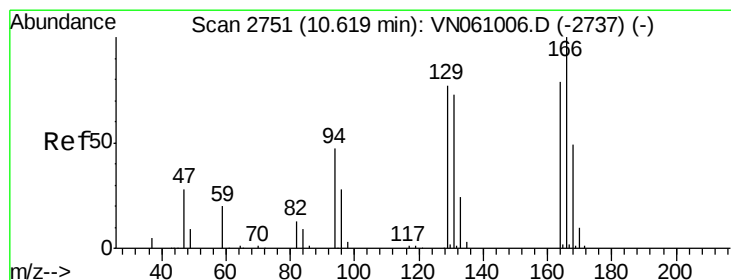
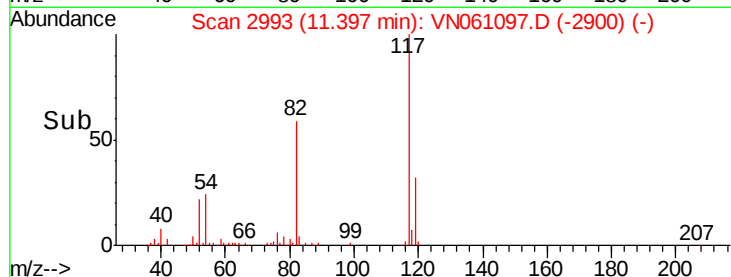
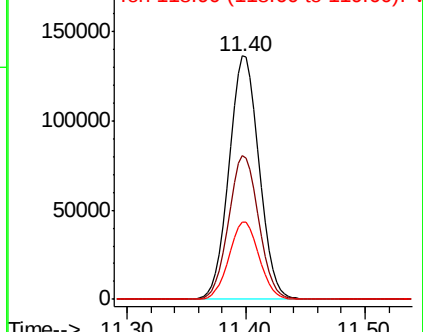
119 31.7 25.7 38.5



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



#64

Tetrachloroethene

Concen: 103.304 ug/l

RT: 10.62 min Scan# 2751

Delta R.T. 0.00 min

Lab File: VN061097.D

Acq: 20 Apr 2020 13:36

Tgt Ion:164 Resp: 188790

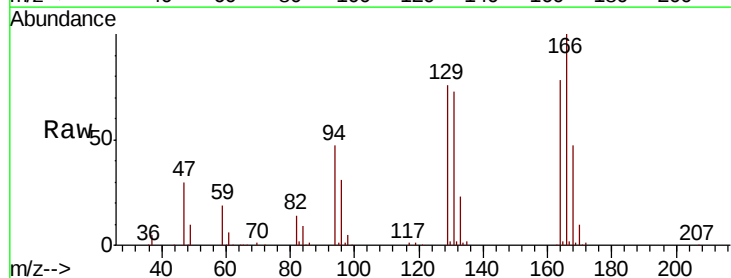
Ion Ratio Lower Upper

164 100

166 128.4 101.6 152.4

129 97.8 78.5 117.7

131 93.5 74.3 111.5

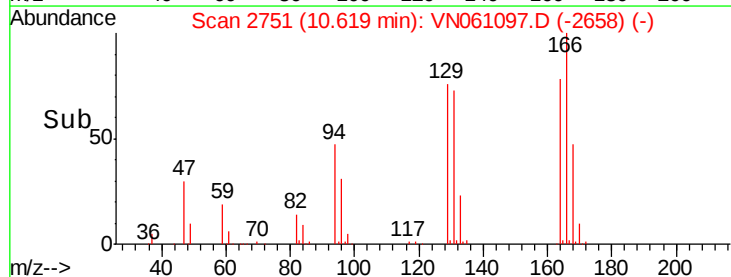
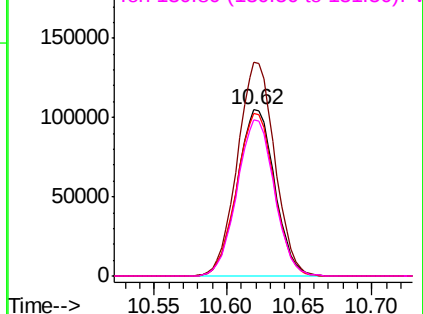


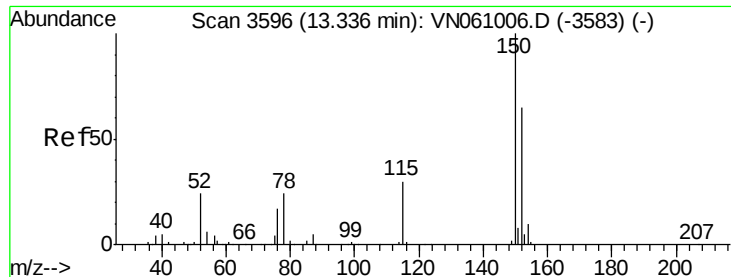
Abundance Ion 163.80 (163.50 to 164.50): V

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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN061097.D

Acq: 20 Apr 2020 13:36

Instrument :

MSVOA_N

ClientSampleId :

ST008MW336-200415DL

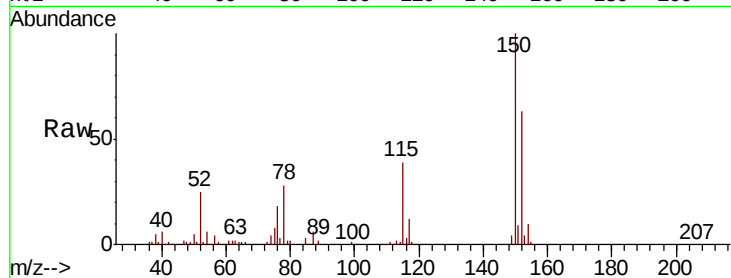
Tot Ion:152 Resp: 103337

Ion Ratio Lower Upper

152 100

115 61.2 30.8 92.4

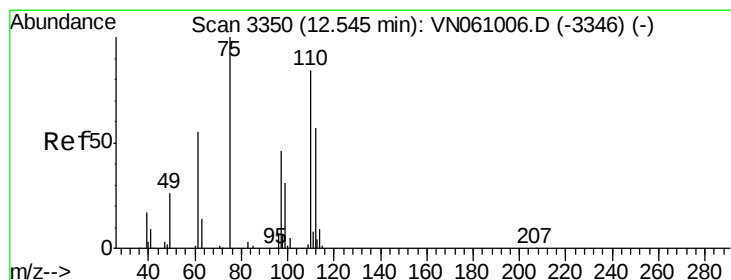
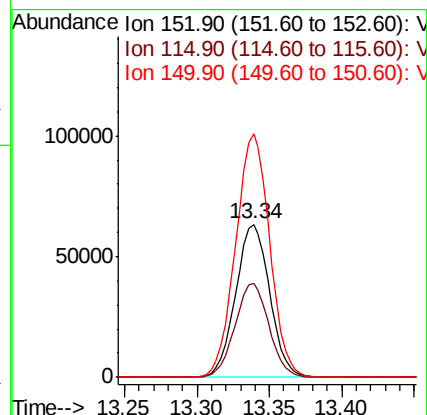
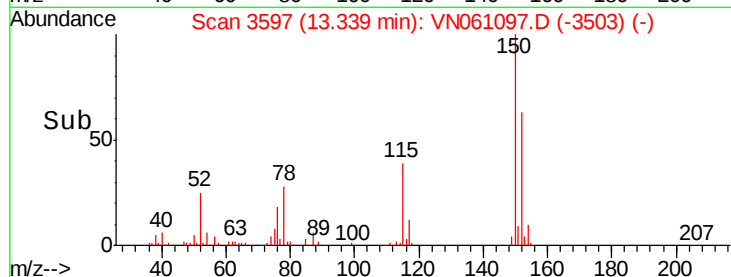
150 159.1 0.0 349.0



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: 26.056 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.15 min

Lab File: VN061097.D

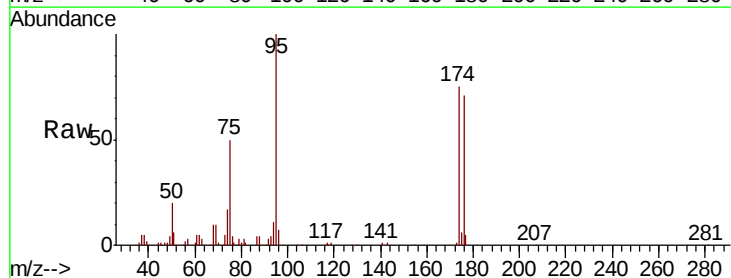
Acq: 20 Apr 2020 13:36

Tgt Ion: 75 Resp: 59226

Ion Ratio Lower Upper

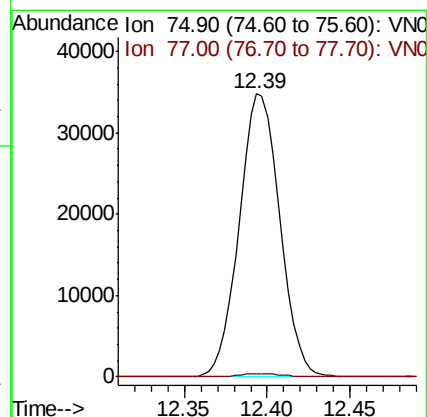
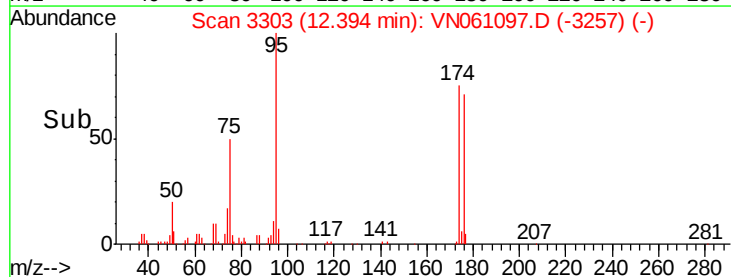
75 100

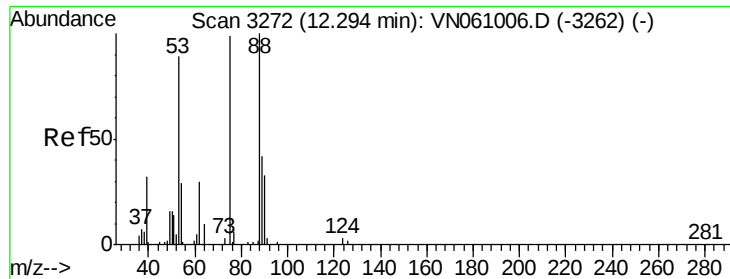
77 1.1 0.0 0.0#



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: 64.270 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.10 min

Lab File: VN061097.D

Acq: 20 Apr 2020 13:36

Instrument :

MSVOA_N

ClientSampleId :

ST008MW336-200415DL

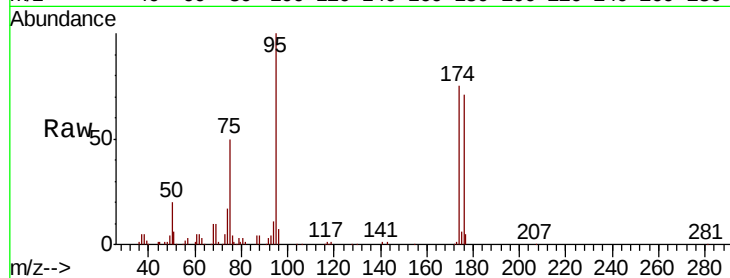
Tot Ion: 75 Resp: 59226

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

