

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061120\
 Data File : VN061752.D
 Acq On : 11 Jun 2020 17:14
 Operator : JC/MD
 Sample : L2988-10 25X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE108D2-20200608

Quant Time: Jun 12 05:46:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	291503	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	499606	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	488917	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	213653	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	166561	47.96	ug/l	0.00
Spiked Amount			Recovery	=	95.92%	
35) Dibromofluoromethane	7.55	113	141932	56.00	ug/l	0.00
Spiked Amount			Recovery	=	112.00%	
50) Toluene-d8	10.06	98	594255	50.60	ug/l	0.00
Spiked Amount			Recovery	=	101.20%	
62) 4-Bromofluorobenzene	12.38	95	205092	47.86	ug/l	0.00
Spiked Amount			Recovery	=	95.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	166	0.359	ug/l #	72
16) Acetone	3.78	43	940	Below Cal	#	41
20) Methylene Chloride	4.50	84	446	Below Cal	#	68
31) Cyclohexane	7.62	56	5039	1.029	ug/l #	22
36) 1,1-Dichloropropene	7.63	75	20210	4.569	ug/l #	48
38) Carbon Tetrachloride	7.63	117	27429	6.429	ug/l #	16
39) Methylcyclohexane	8.80	83	4650	0.853	ug/l #	1
44) Trichloroethene	8.80	130	404561	96.465	ug/l	94
51) 4-Methyl-2-Pentanone	10.06	43	2230	0.617	ug/l #	1
71) Bromoform	12.38	173	1886	0.647	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	99248	25.546	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	99248	65.328	ug/l #	15

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061752.D

Acq: 11 Jun 2020 17:14

Instrument :

MSVOA_N

ClientSampleId :

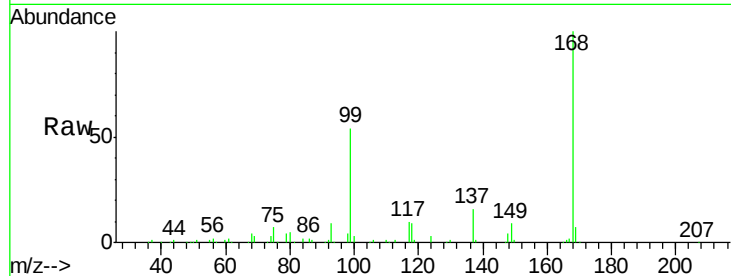
RE108D2-20200608

Tot Ion:168 Resp: 291503

Ion Ratio Lower Upper

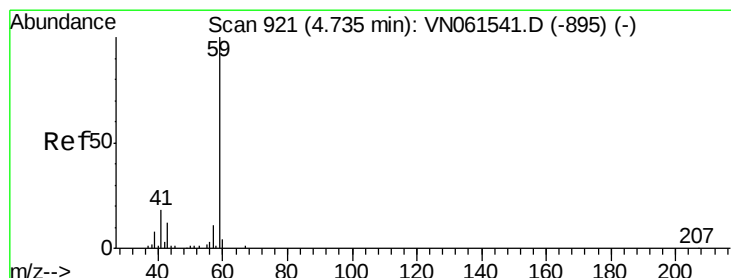
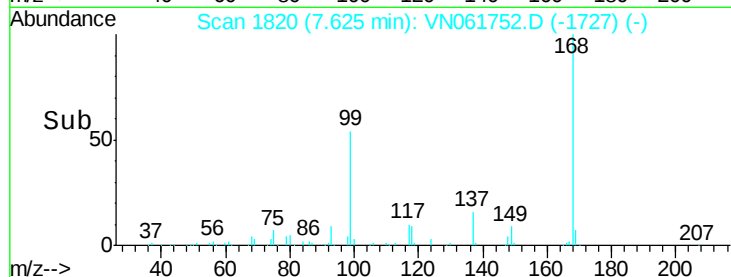
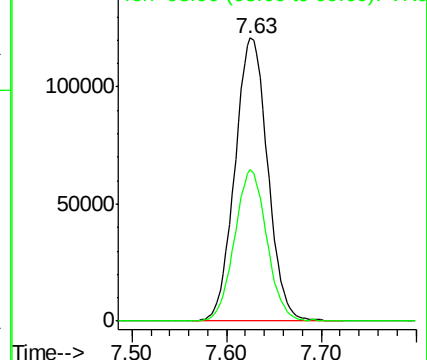
168 100

99 53.6 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#11

Tert butyl alcohol

Concen: 0.359 ug/l

RT: 4.73 min Scan# 918

Delta R.T. -0.01 min

Lab File: VN061752.D

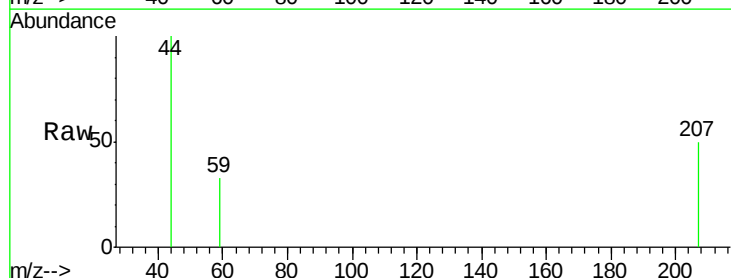
Acq: 11 Jun 2020 17:14

Tgt Ion: 59 Resp: 166

Ion Ratio Lower Upper

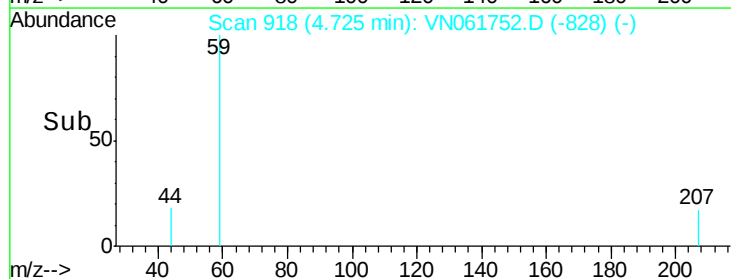
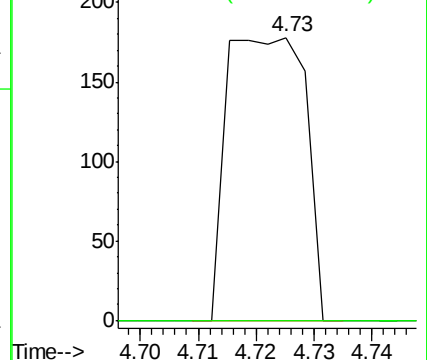
59 100

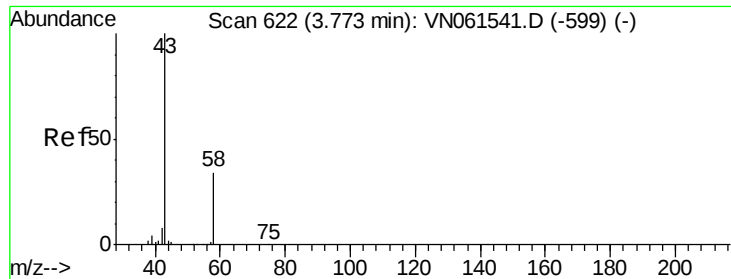
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

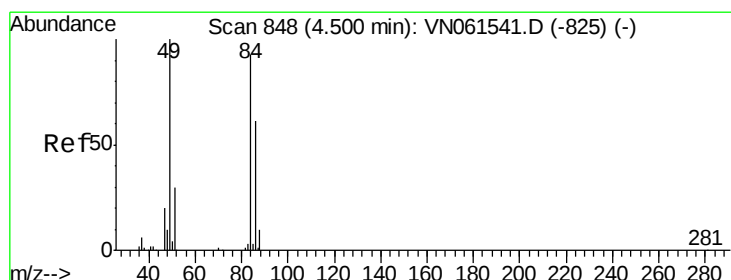
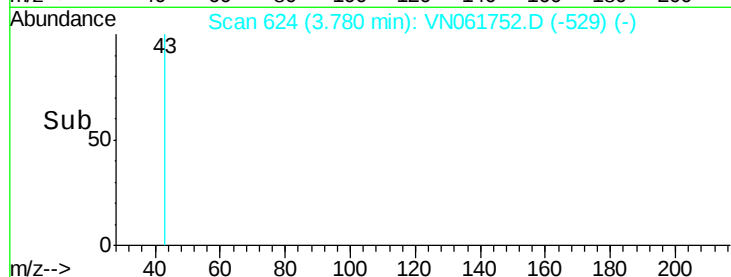
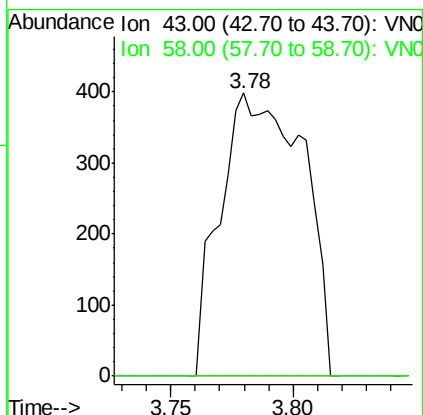
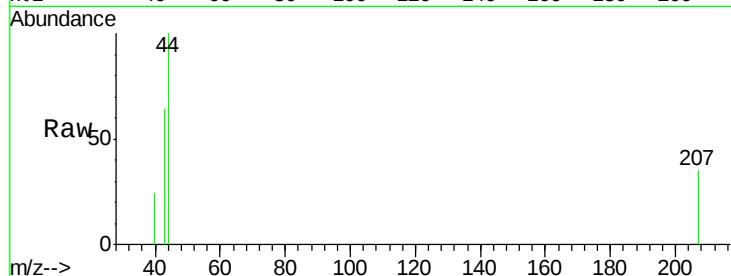




#16
Acetone
Concen: Below Cal
RT: 3.78 min Scan# 624
Delta R.T. 0.01 min
Lab File: VN061752.D
Acq: 11 Jun 2020 17:14

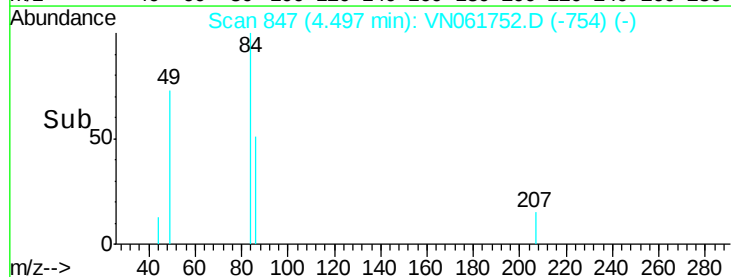
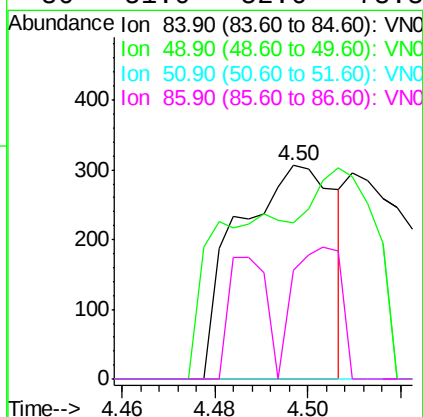
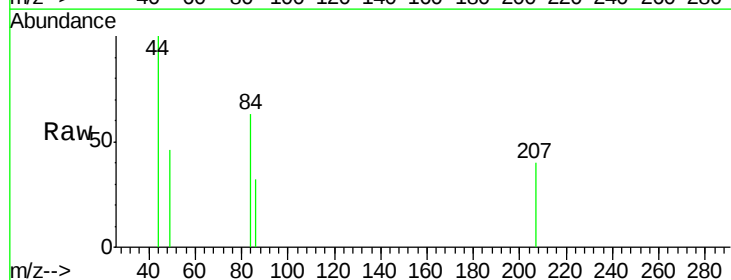
Instrument :
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RE108D2-20200608

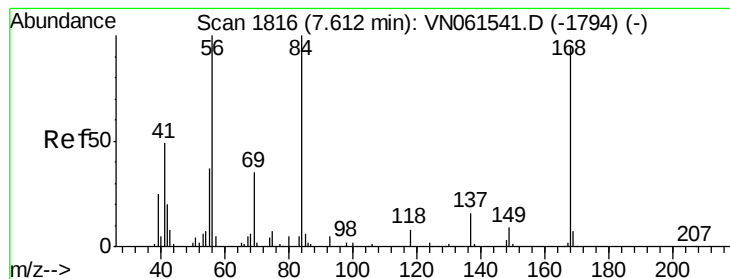
Tot Ion: 43 Resp: 940
Ion Ratio Lower Upper
43 100
58 0.0 27.2 40.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.50 min Scan# 847
Delta R.T. -0.00 min
Lab File: VN061752.D
Acq: 11 Jun 2020 17:14

Tgt Ion: 84 Resp: 446
Ion Ratio Lower Upper
84 100
49 73.2 85.8 128.8#
51 0.0 26.2 39.2#
86 51.0 52.6 78.8#





#31

Cyclohexane

Concen: 1.029 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VN061752.D

Acq: 11 Jun 2020 17:14

Instrument :

MSVOA_N

ClientSampleId :

RE108D2-20200608

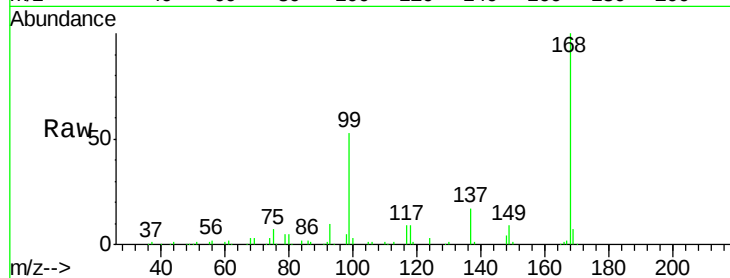
Tot Ion: 56 Resp: 5039

Ion Ratio Lower Upper

56 100

69 173.3 27.8 41.8#

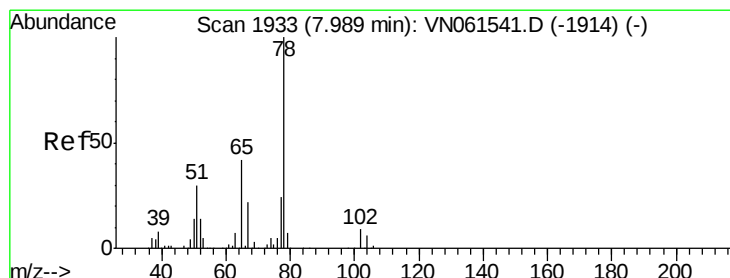
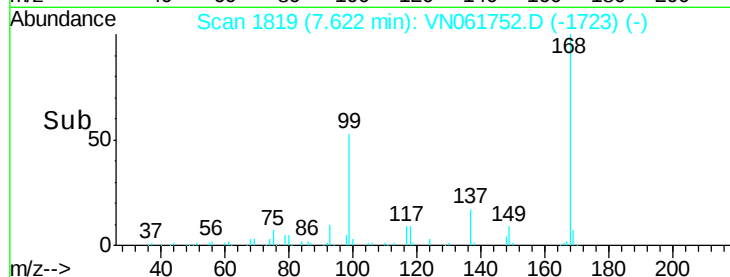
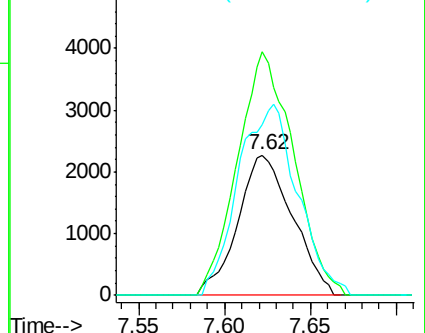
84 121.6 79.9 119.9#



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: 47.958 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN061752.D

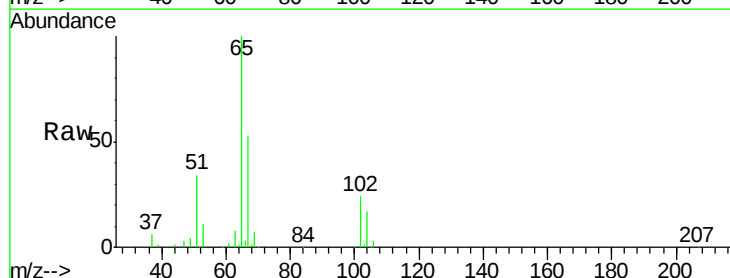
Acq: 11 Jun 2020 17:14

Tgt Ion: 65 Resp: 166561

Ion Ratio Lower Upper

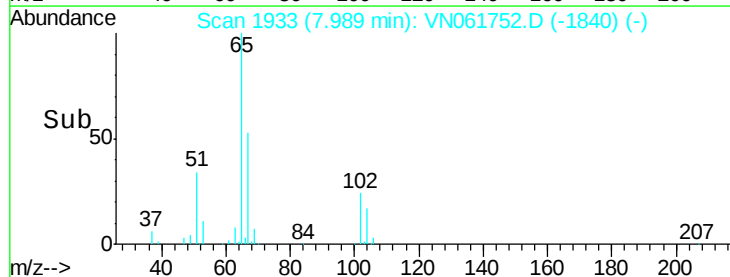
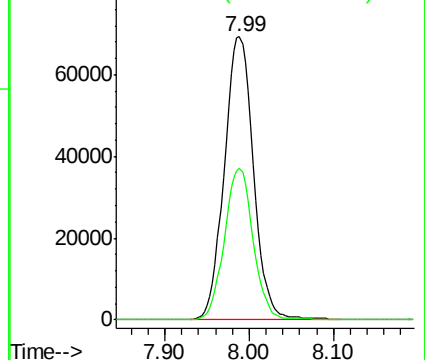
65 100

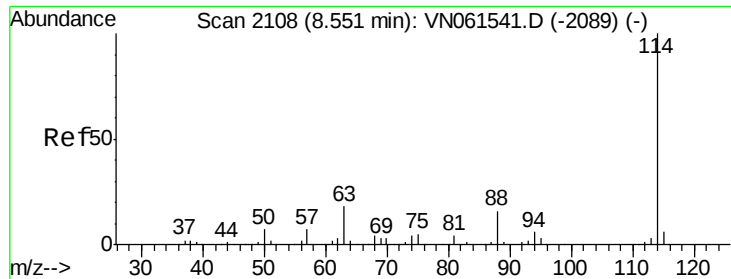
67 52.4 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

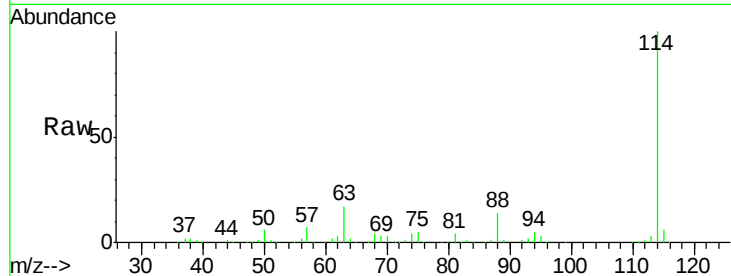




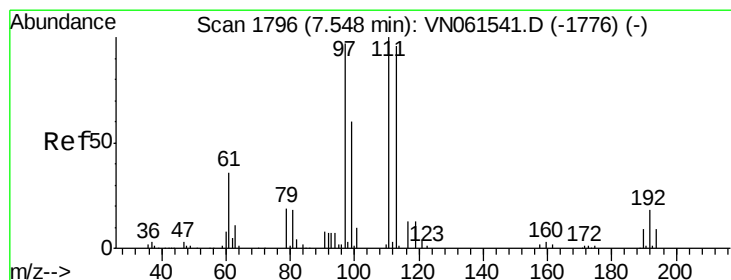
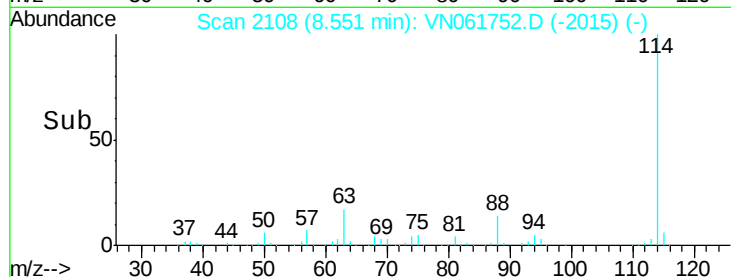
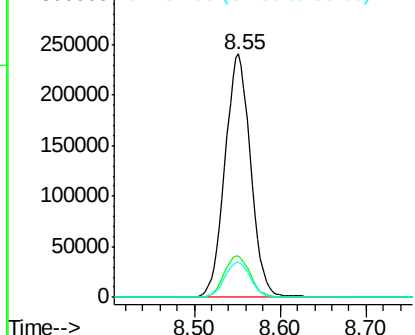
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2108
Delta R.T. 0.00 min
Lab File: VN061752.D
Acq: 11 Jun 2020 17:14

Instrument :
MSVOA_N
ClientSampleId :
RE108D2-20200608

Tot Ion:114 Resp: 499606
Ion Ratio Lower Upper
114 100
63 16.8 0.0 35.8
88 14.4 0.0 31.0

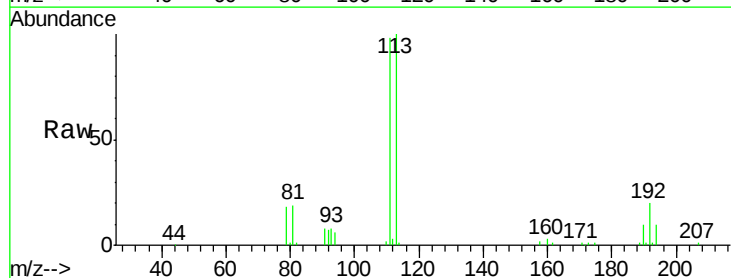


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

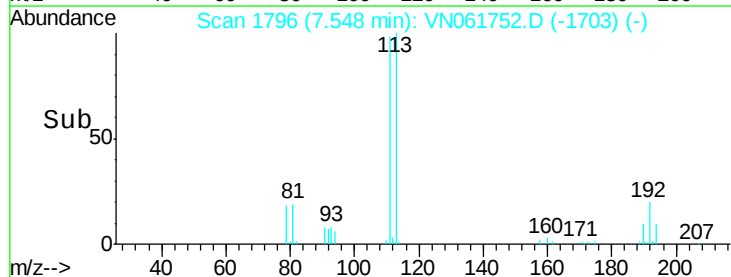
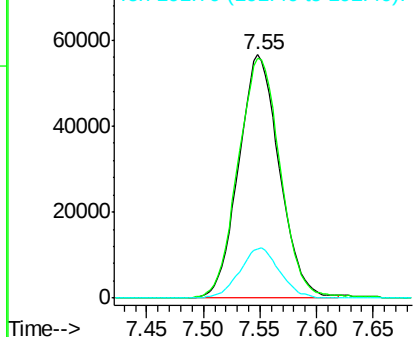


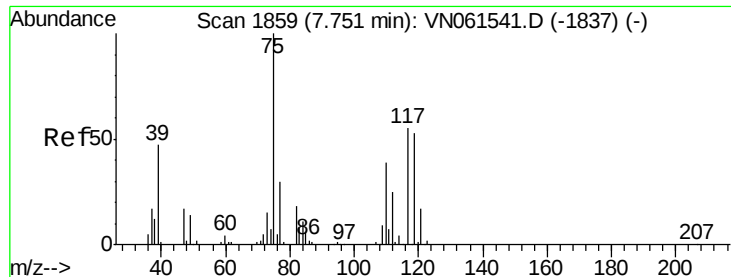
#35
Dibromofluoromethane
Concen: 56.002 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN061752.D
Acq: 11 Jun 2020 17:14

Tgt Ion:113 Resp: 141932
Ion Ratio Lower Upper
113 100
111 102.3 83.4 125.0
192 20.2 15.4 23.2



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

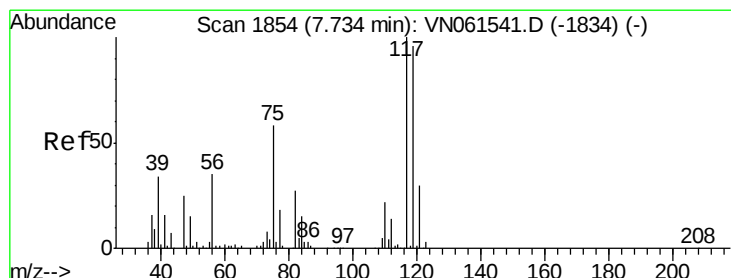
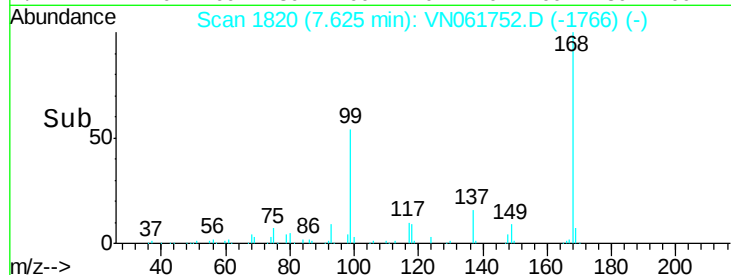
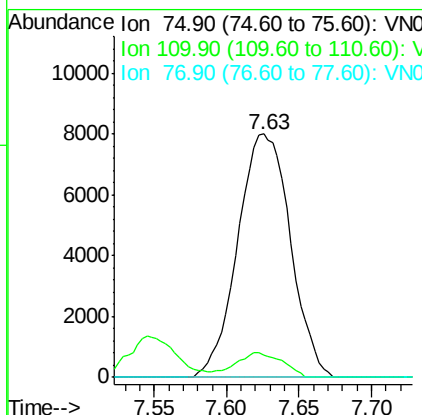
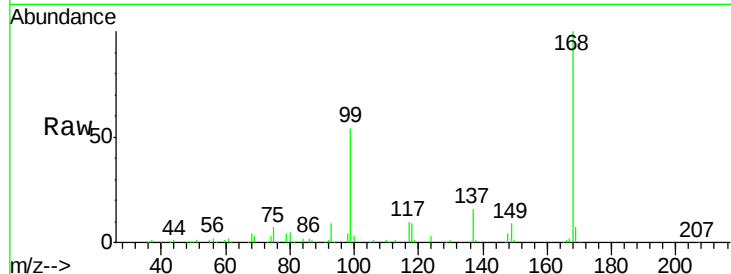




#36
 1,1-Dichloropropene
 Concen: 4.569 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061752.D
 Acq: 11 Jun 2020 17:14

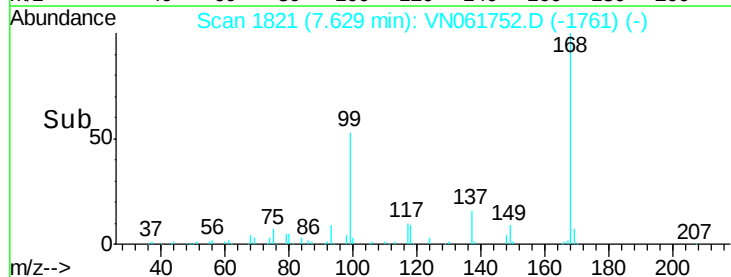
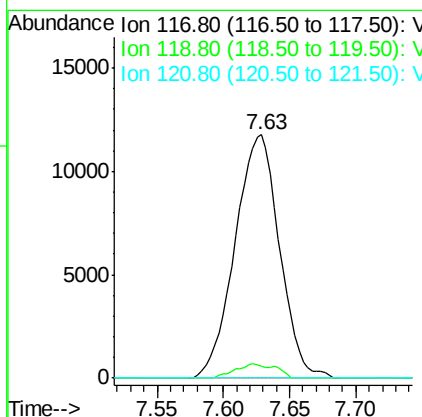
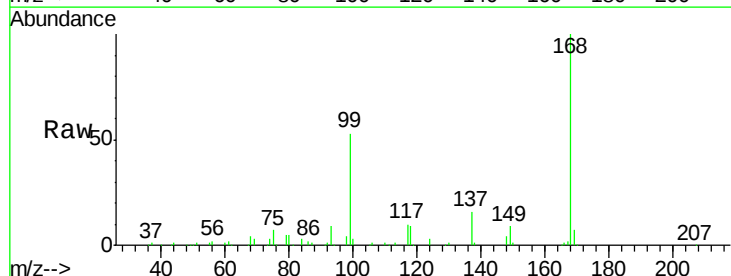
Instrument :
 MSVOA_N
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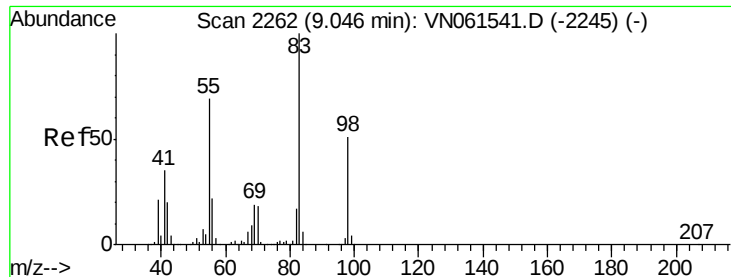
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.1	19.5	58.5#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.429 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.11 min
 Lab File: VN061752.D
 Acq: 11 Jun 2020 17:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	76.5	114.7#
121	0.0	24.1	36.1#

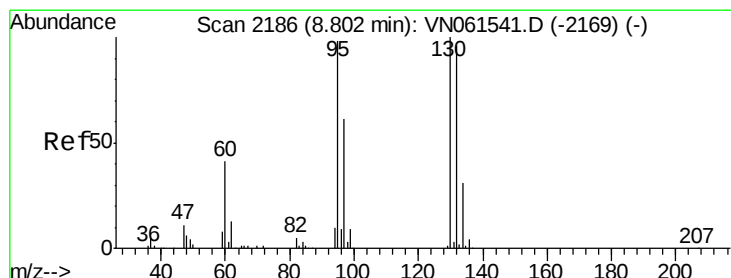
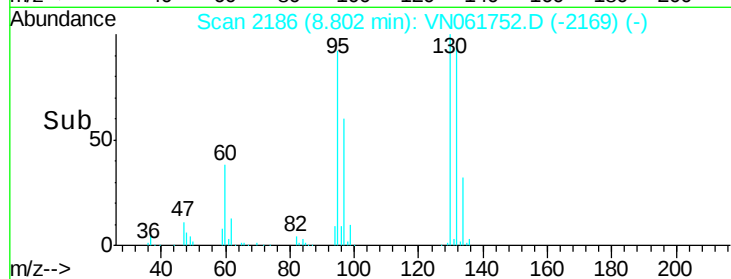
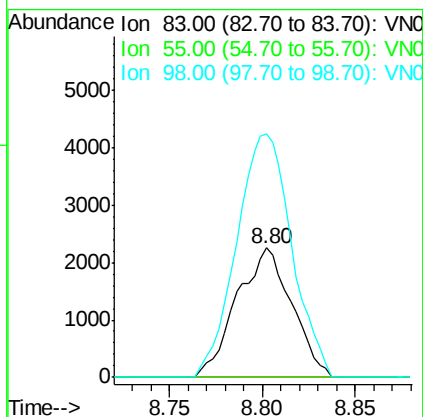
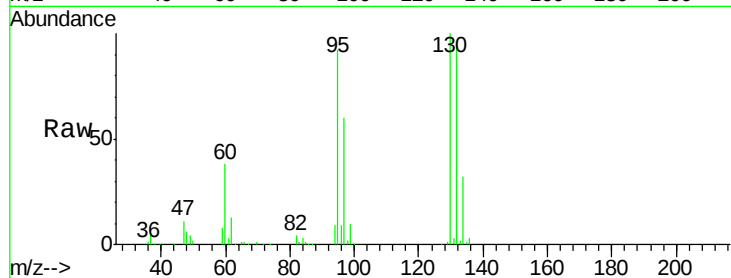




#39
Methylcyclohexane
Concen: 0.853 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. -0.24 min
Lab File: VN061752.D
Acq: 11 Jun 2020 17:14

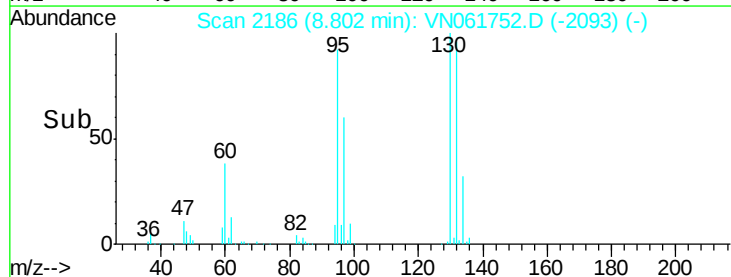
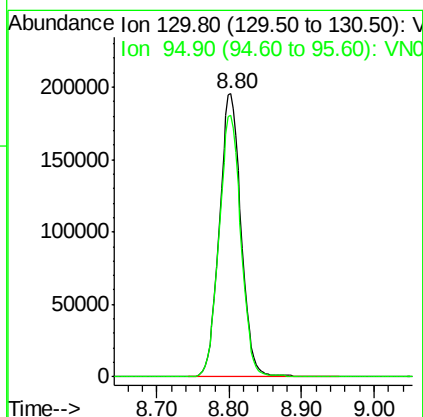
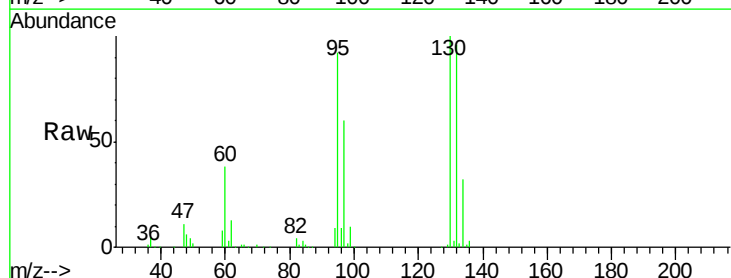
Instrument :
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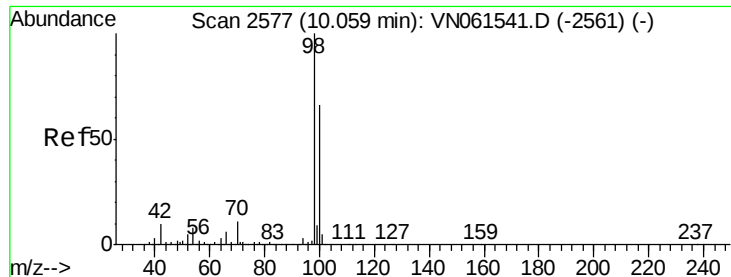
Tot Ion: 83 Resp: 4650
Ion Ratio Lower Upper
83 100
55 0.0 54.9 82.3#
98 188.4 41.0 61.4#



#44
Trichloroethene
Concen: 96.465 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. 0.00 min
Lab File: VN061752.D
Acq: 11 Jun 2020 17:14

Tgt Ion: 130 Resp: 404561
Ion Ratio Lower Upper
130 100
95 92.5 0.0 196.6





#50

Toluene-d8

Concen: 50.597 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061752.D

Acq: 11 Jun 2020 17:14

Instrument :

MSVOA_N

ClientSampleId :

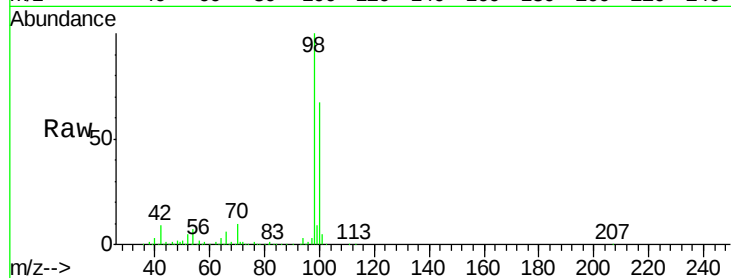
RE108D2-20200608

Tot Ion: 98 Resp: 594255

Ion Ratio Lower Upper

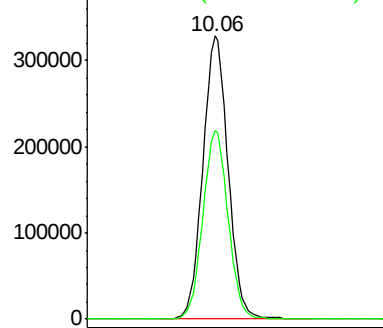
98 100

100 66.7 52.8 79.2

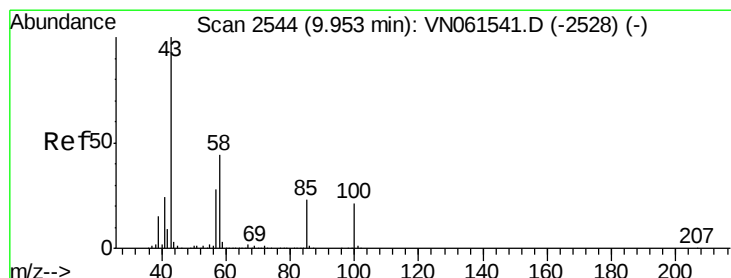
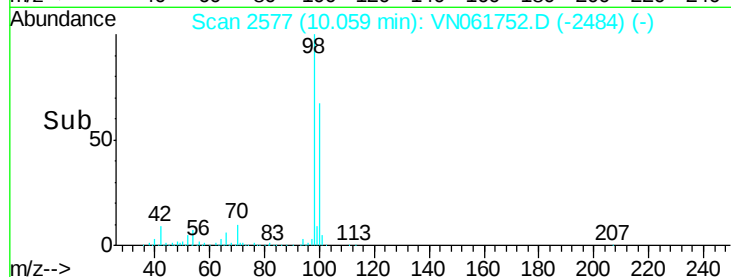


Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.617 ug/l

RT: 10.06 min Scan# 2576

Delta R.T. 0.10 min

Lab File: VN061752.D

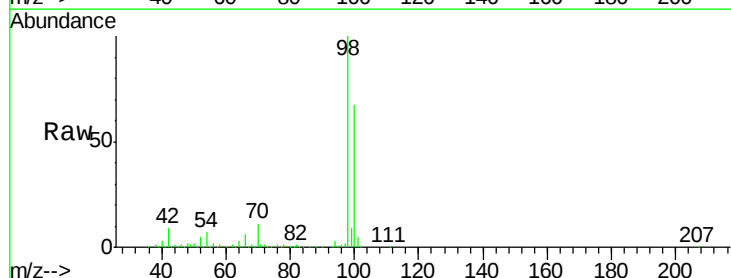
Acq: 11 Jun 2020 17:14

Tgt Ion: 43 Resp: 2230

Ion Ratio Lower Upper

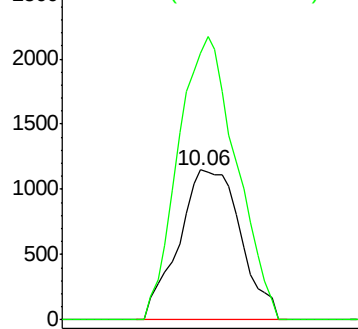
43 100

58 177.4 35.0 52.6#

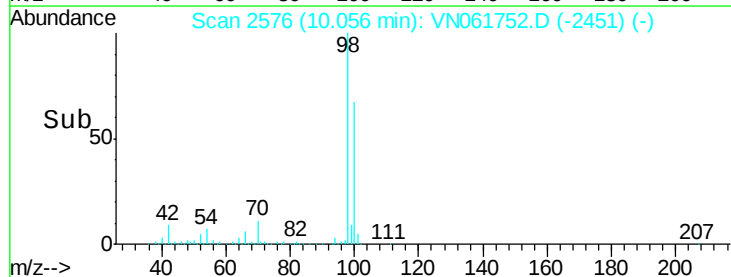


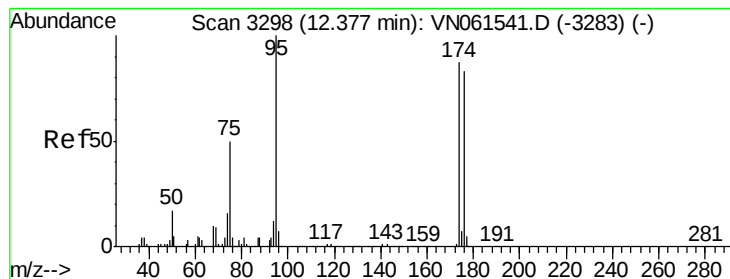
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->





#62

4-Bromofluorobenzene

Concen: 47.864 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN061752.D

Acq: 11 Jun 2020 17:14

Instrument :

MSVOA_N

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RE108D2-20200608

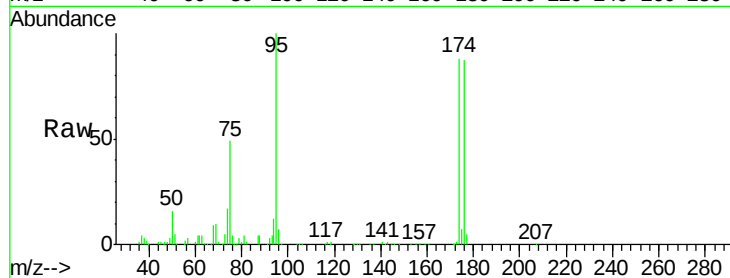
Tot Ion: 95 Resp: 205092

Ion Ratio Lower Upper

95 100

174 87.9 0.0 172.8

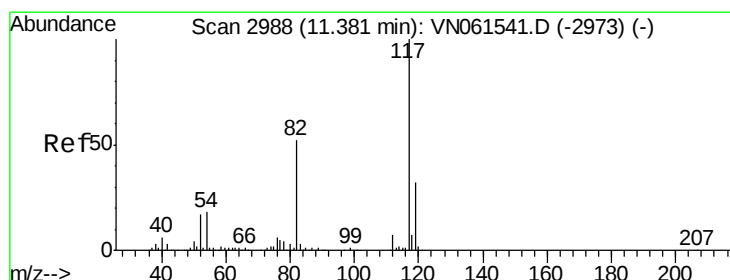
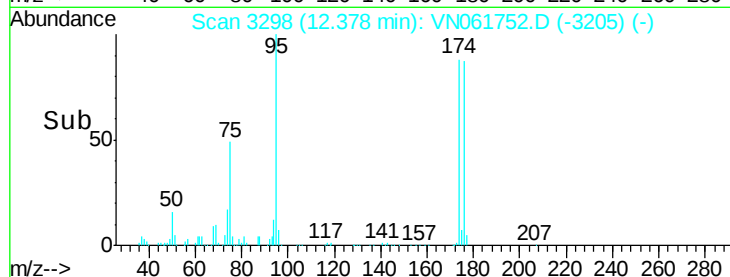
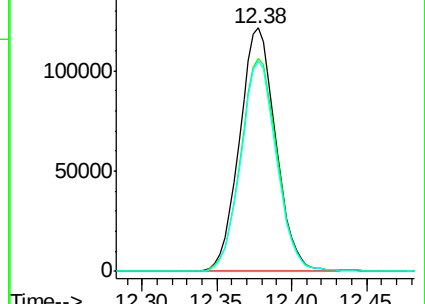
176 85.2 0.0 164.8



Abundance Ion 94.90 (94.60 to 95.60): VN061541.D (-3283) (-)

Ion 173.80 (173.50 to 174.50): VN061541.D (-3283) (-)

Ion 175.80 (175.50 to 176.50): VN061541.D (-3283) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN061752.D

Acq: 11 Jun 2020 17:14

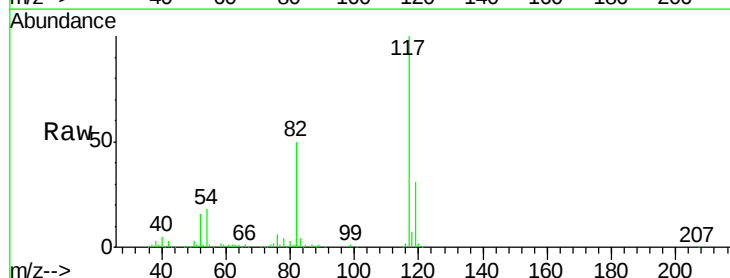
Tgt Ion: 117 Resp: 488917

Ion Ratio Lower Upper

117 100

82 50.4 41.5 62.3

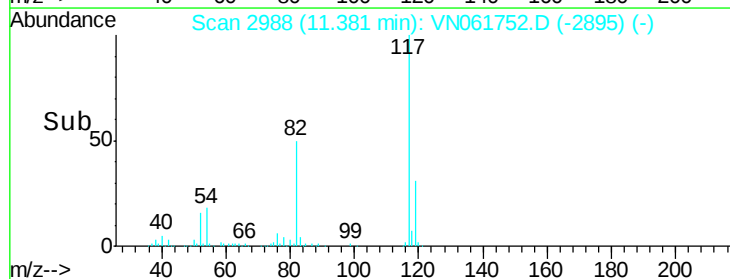
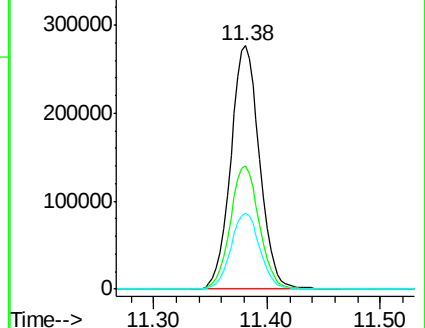
119 31.0 25.6 38.4

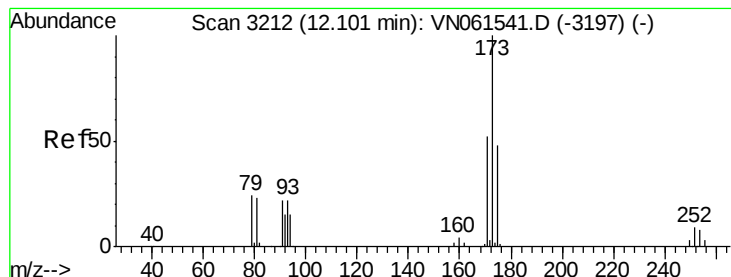


Abundance Ion 116.90 (116.60 to 117.60): VN061541.D (-2973) (-)

Ion 82.00 (81.70 to 82.70): VN061541.D (-2973) (-)

Ion 118.90 (118.60 to 119.60): VN061541.D (-2973) (-)





#71

Bromoform

Concen: 0.647 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN061752.D

Acq: 11 Jun 2020 17:14

Instrument :

MSVOA_N

ClientSampleId :

RE108D2-20200608

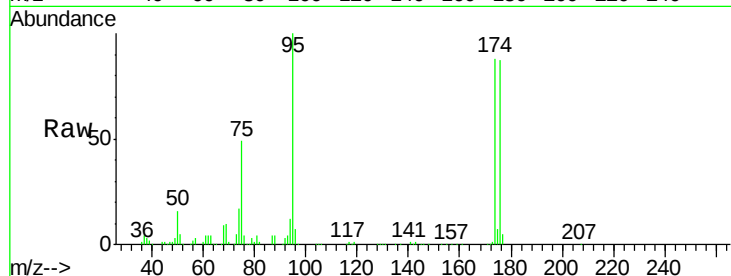
Tot Ion:173 Resp: 1886

Ion Ratio Lower Upper

173 100

175 597.8 24.4 73.2#

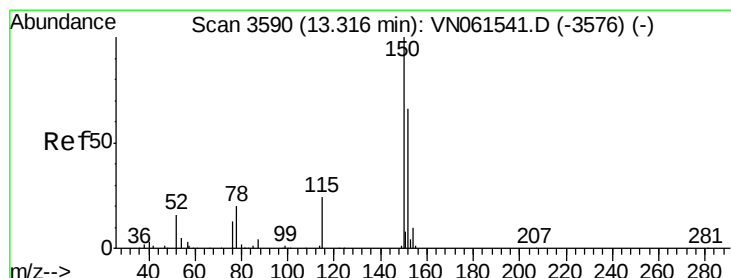
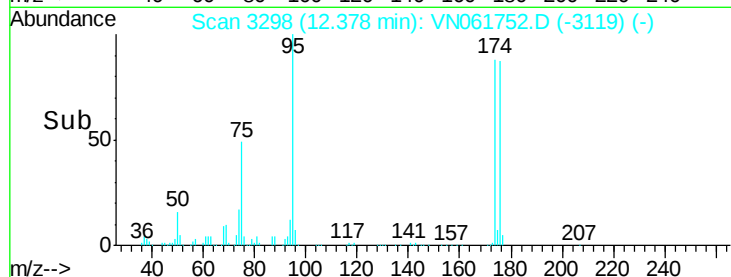
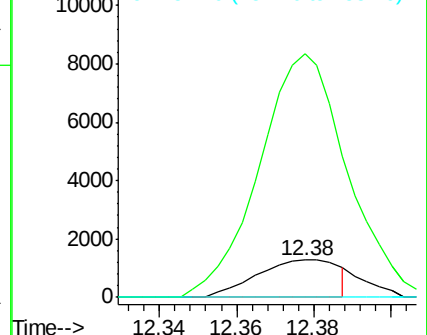
254 0.0 0.0 0.0



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: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061752.D

Acq: 11 Jun 2020 17:14

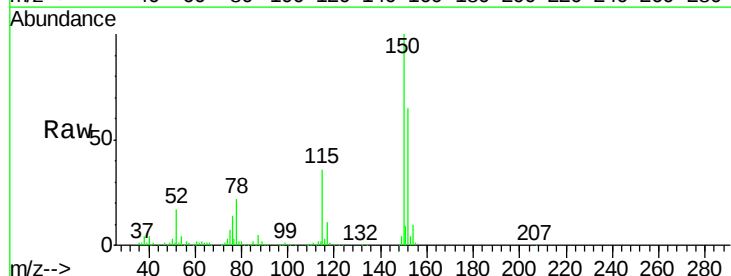
Tgt Ion:152 Resp: 213653

Ion Ratio Lower Upper

152 100

115 55.3 28.0 84.0

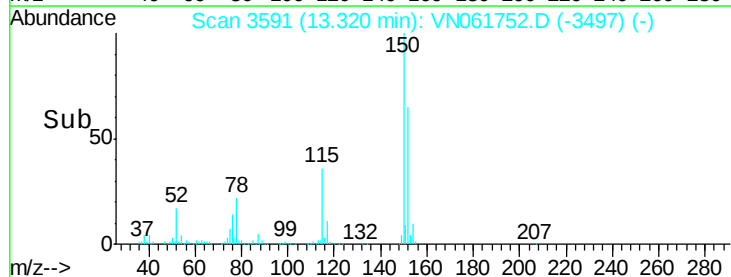
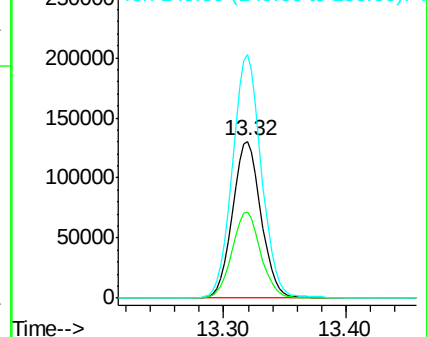
150 157.1 0.0 344.0

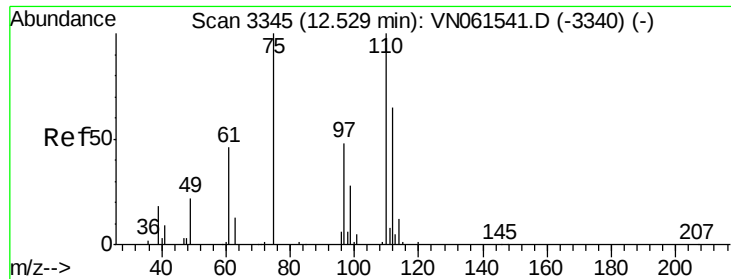


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

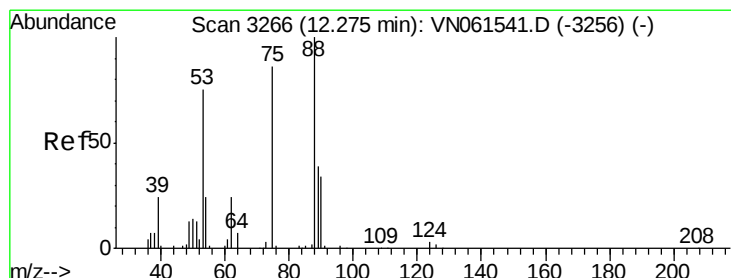
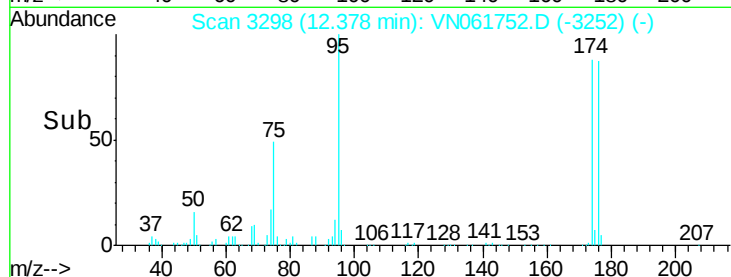
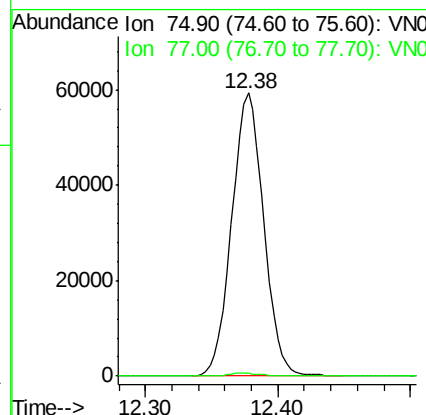
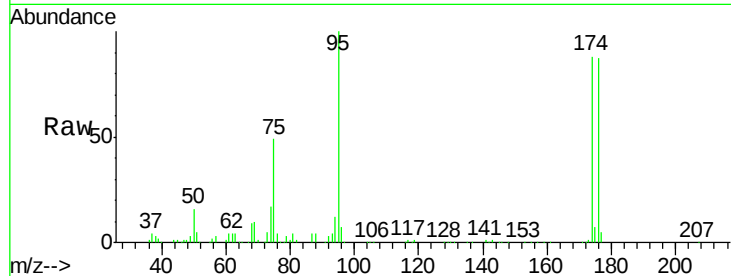




#76
 1,2,3-Trichloropropane
 Concen: 25.546 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN061752.D
 Acq: 11 Jun 2020 17:14

Instrument :
 MSVOA_N
 ClientSampleId :
 RE108D2-20200608

Tot Ion: 75 Resp: 99248
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.328 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN061752.D
 Acq: 11 Jun 2020 17:14

Tgt Ion: 75 Resp: 99248
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.8 101.8#
 89 0.0 37.1 55.7#

