

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042020\
 Data File : VN061098.D
 Acq On : 20 Apr 2020 13:58
 Operator : JC/MD
 Sample : L2334-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 KY067MW013-200415RE

Quant Time: Apr 21 03:58:54 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	151466	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	257235	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	241576	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	105517	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	103775	53.55	ug/l	0.00
Spiked Amount			Recovery	=	107.10%	
35) Dibromofluoromethane	7.56	113	77824	51.81	ug/l	0.00
Spiked Amount			Recovery	=	103.62%	
50) Toluene-d8	10.08	98	320479	56.46	ug/l	0.00
Spiked Amount			Recovery	=	112.92%	
62) 4-Bromofluorobenzene	12.40	95	116776	52.49	ug/l	0.00
Spiked Amount			Recovery	=	104.98%	

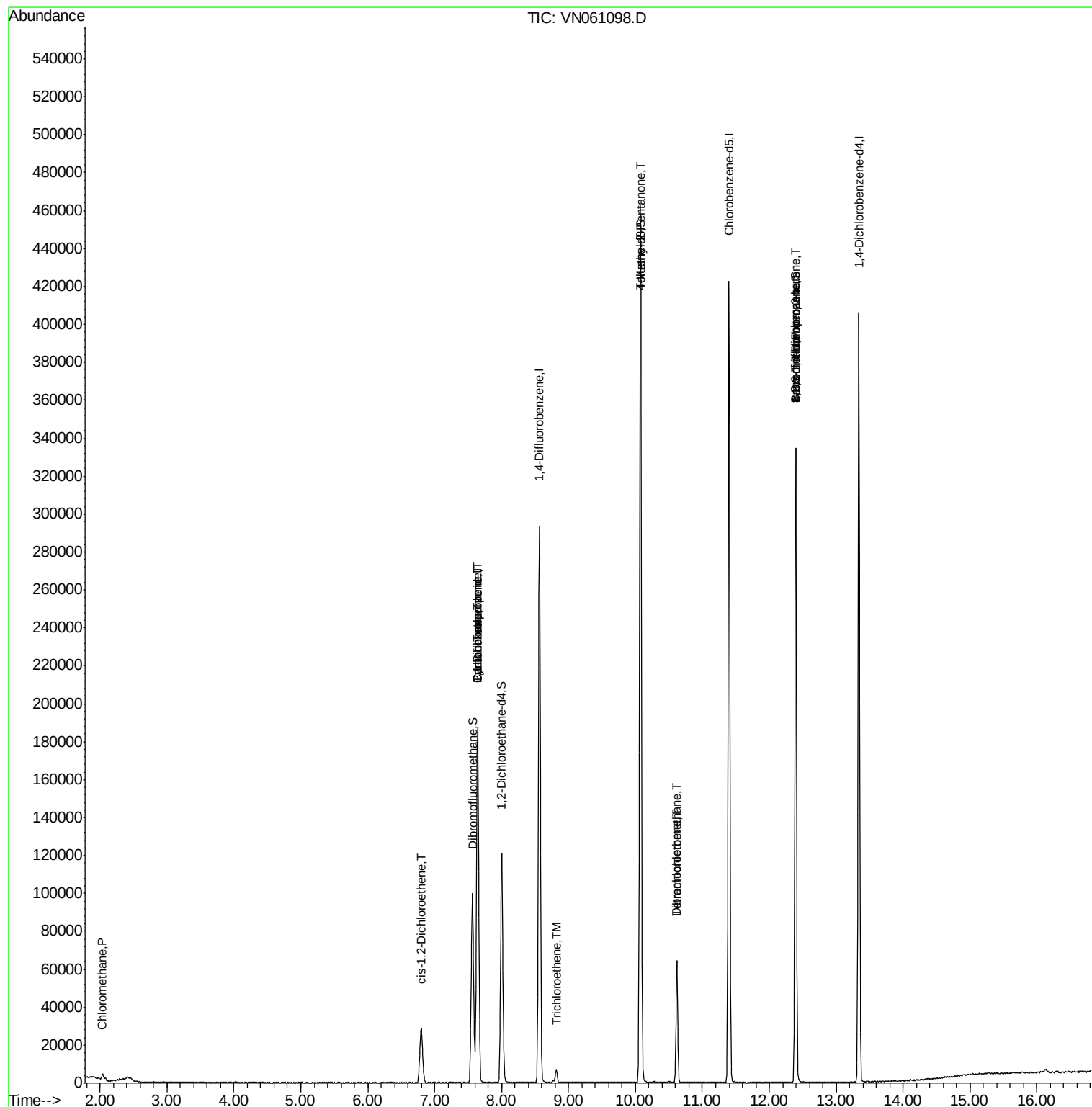
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1913	0.712	ug/l	94
27) cis-1,2-Dichloroethene	6.80	96	19154	9.411	ug/l	87
31) Cyclohexane	7.64	56	3073	0.851	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	12260	4.619	ug/l #	49
38) Carbon Tetrachloride	7.64	117	14594	6.605	ug/l #	15
44) Trichloroethene	8.81	130	2681	1.355	ug/l	94
51) 4-Methyl-2-Pentanone	10.08	43	1445	0.535	ug/l #	1
60) Dibromochloromethane	10.62	129	13931	7.586	ug/l #	10
64) Tetrachloroethene	10.62	164	14985	8.106	ug/l	97
71) Bromoform	12.40	173	499	0.375	ug/l #	1
76) 1,2,3-Trichloropropane	12.39	75	60986	26.276	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.39	75	60986	64.813	ug/l #	12

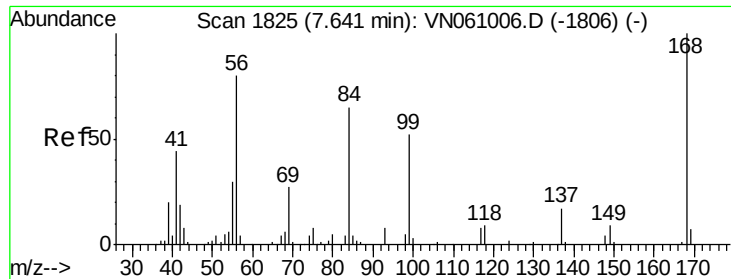
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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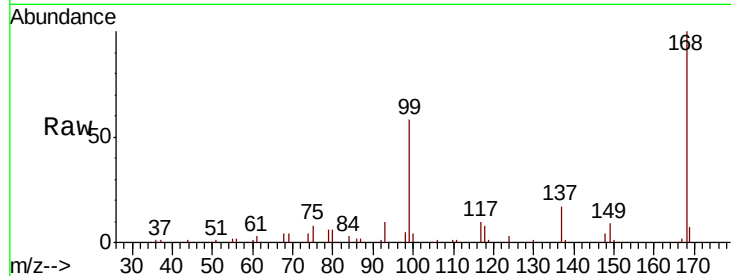




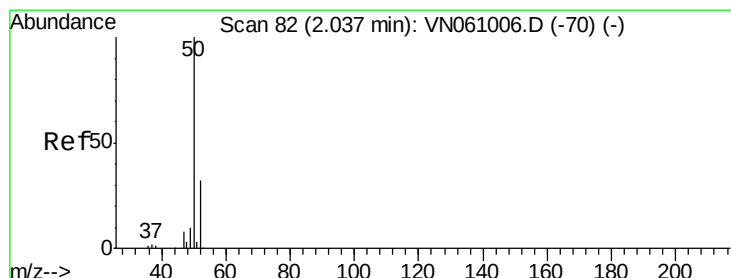
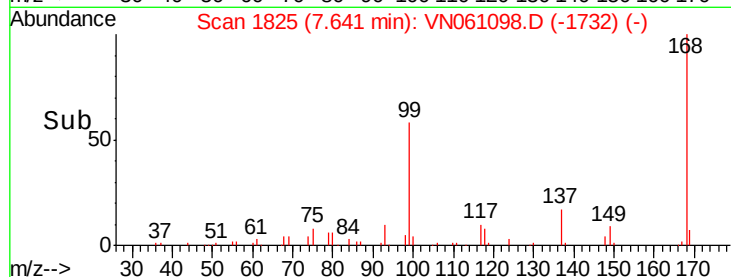
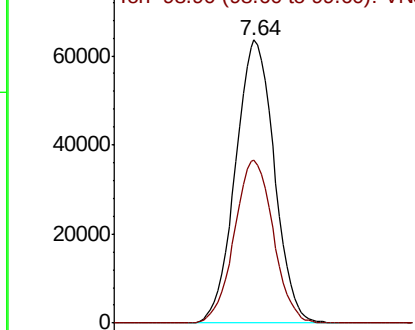
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VN061098.D
Acq: 20 Apr 2020 13:58

Instrument :
MSVOA_N
ClientSampleId :
KY067MW013-200415RE

Tot Ion:168 Resp: 151466
Ion Ratio Lower Upper
168 100
99 57.6 47.4 71.2

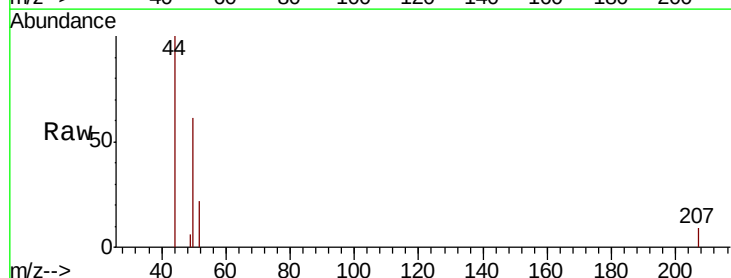


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VN

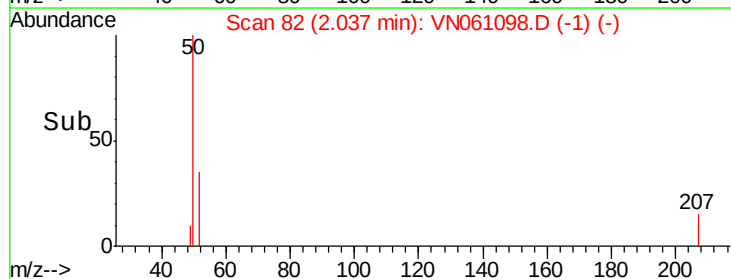
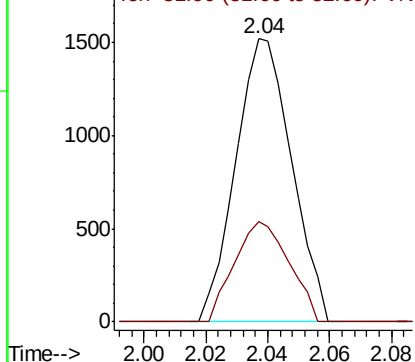


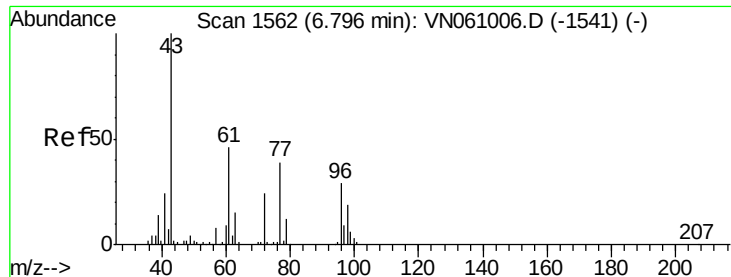
#3
Chloromethane
Concen: 0.712 ug/l
RT: 2.04 min Scan# 82
Delta R.T. 0.00 min
Lab File: VN061098.D
Acq: 20 Apr 2020 13:58

Tgt Ion: 50 Resp: 1913
Ion Ratio Lower Upper
50 100
52 35.3 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VN
Ion 51.90 (51.60 to 52.60): VN

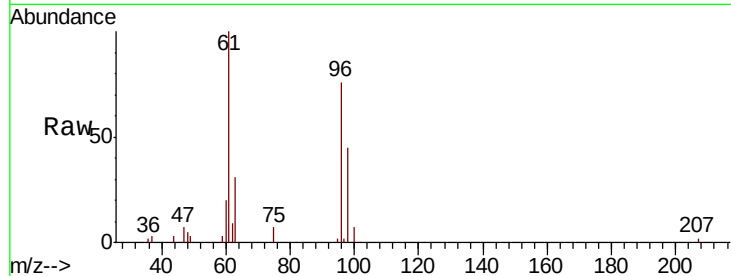




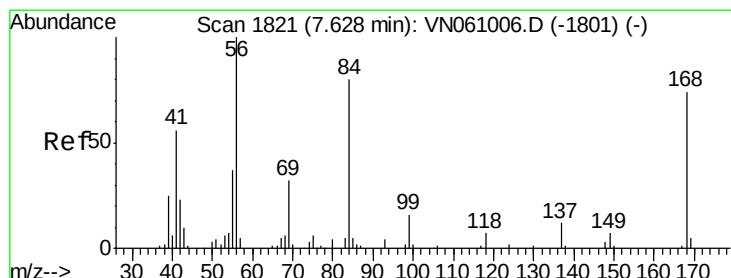
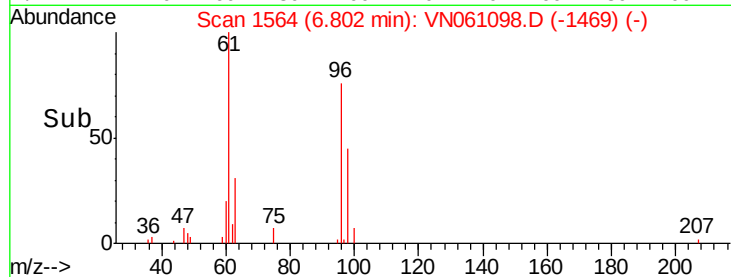
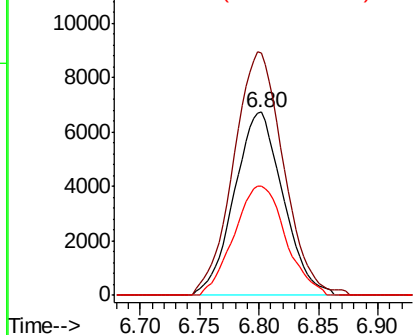
#27
 cis-1,2-Dichloroethene
 Concen: 9.411 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. 0.01 min
 Lab File: VN061098.D
 Acq: 20 Apr 2020 13:58

Instrument :
 MSVOA_N
 ClientSampleId :
 KY067MW013-200415RE

Tot Ion: 96 Resp: 19154
 Ion Ratio Lower Upper
 96 100
 61 136.1 0.0 317.4
 98 62.7 0.0 127.8

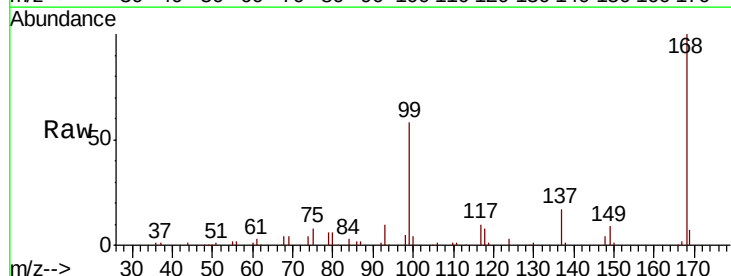


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

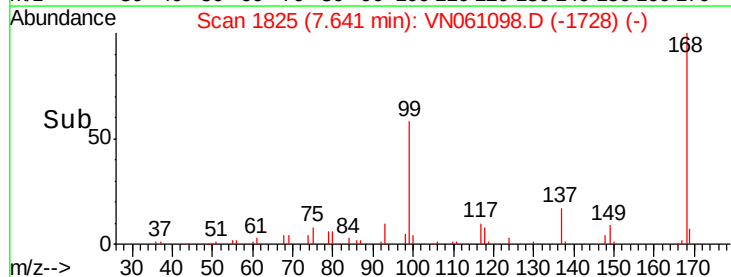
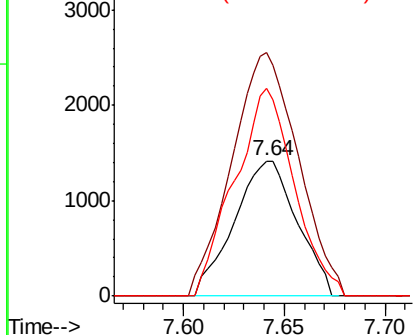


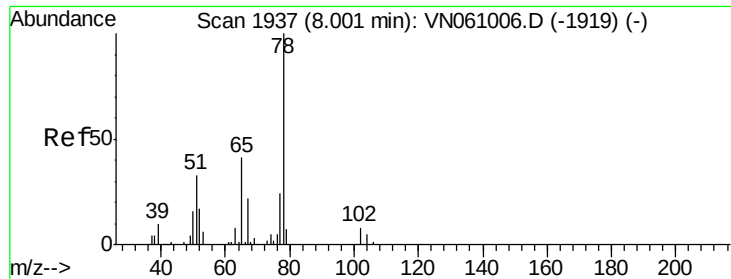
#31
 Cyclohexane
 Concen: 0.851 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. 0.01 min
 Lab File: VN061098.D
 Acq: 20 Apr 2020 13:58

Tgt Ion: 56 Resp: 3073
 Ion Ratio Lower Upper
 56 100
 69 180.3 25.6 38.4#
 84 154.3 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

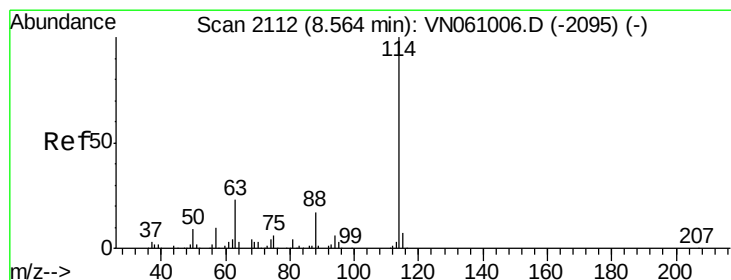
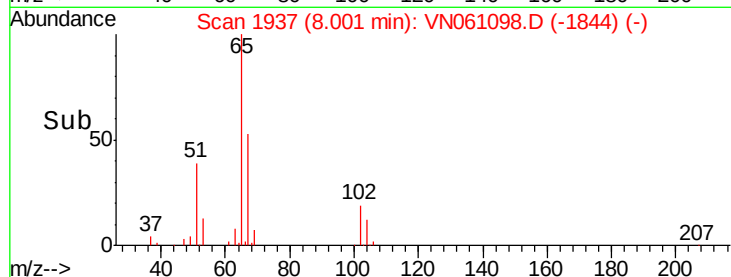
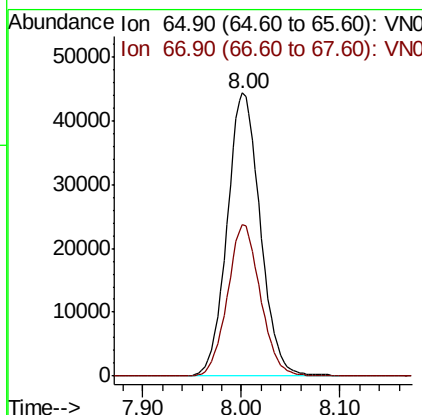
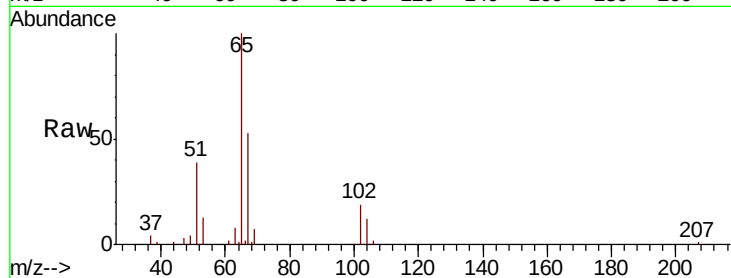




#33
 1,2-Dichloroethane-d4
 Concen: 53.550 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VN061098.D
 Acq: 20 Apr 2020 13:58

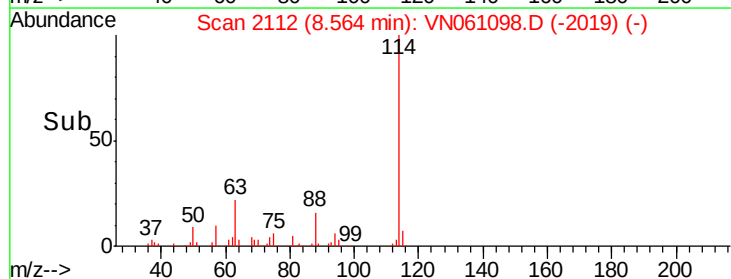
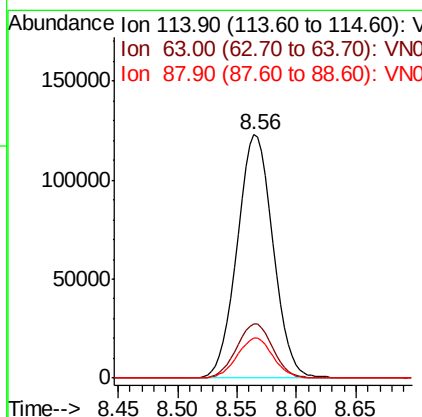
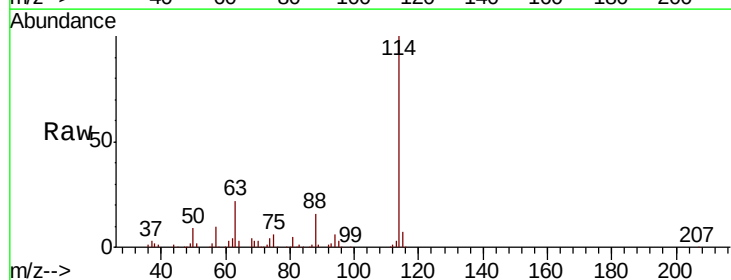
Instrument :
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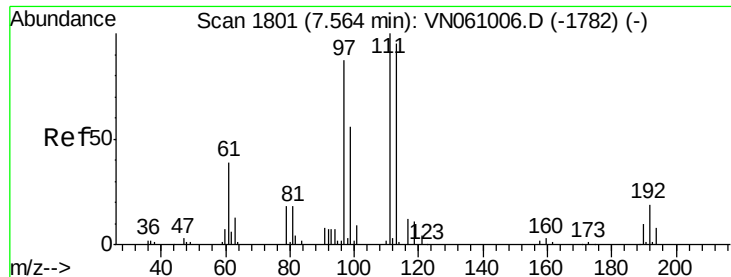
Tot Ion: 65 Resp: 103775
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VN061098.D
 Acq: 20 Apr 2020 13:58

Tgt Ion: 114 Resp: 257235
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 46.2
 88 16.4 0.0 33.4

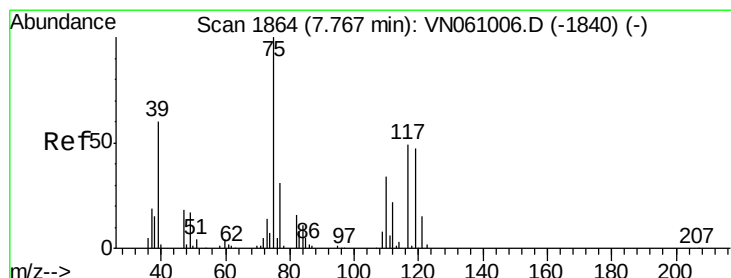
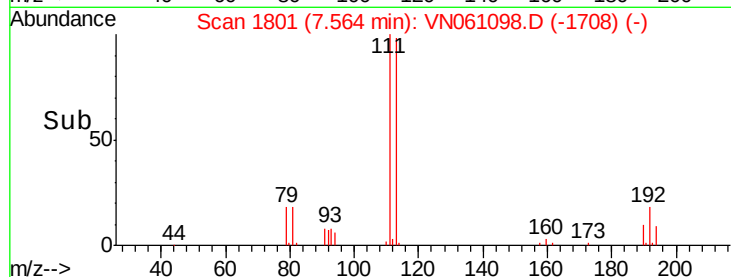
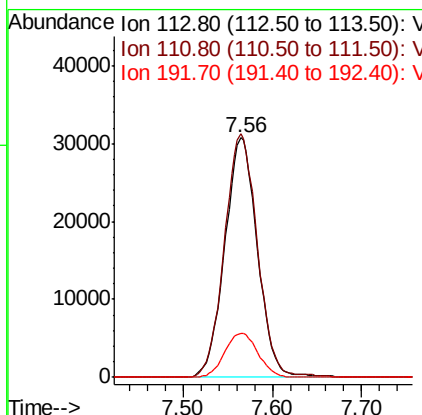
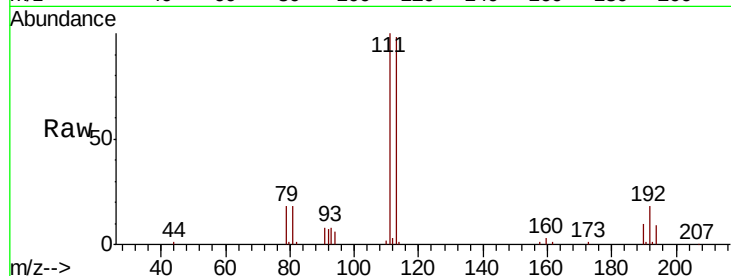




#35
 Dibromofluoromethane
 Concen: 51.806 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN061098.D
 Acq: 20 Apr 2020 13:58

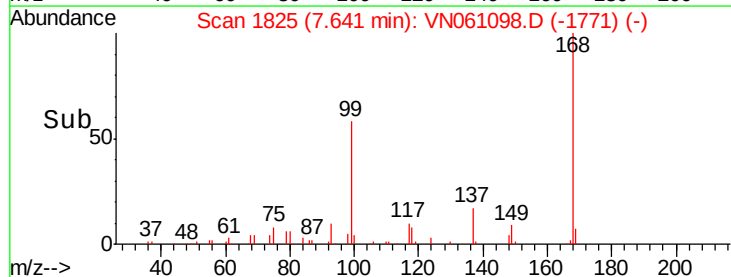
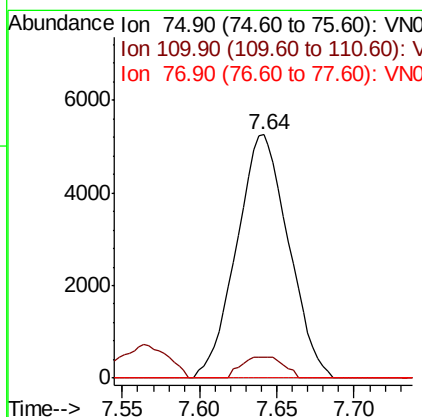
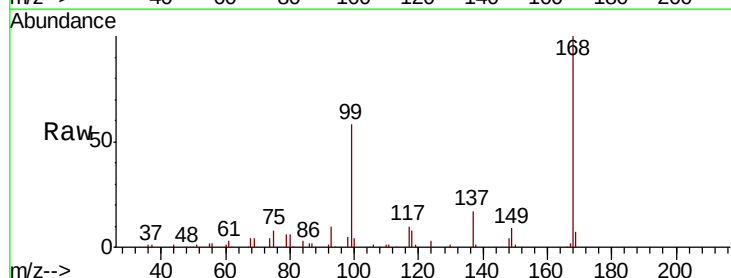
Instrument :
 MSVOA_N
 ClientSampleId :
 KY067MW013-200415RE

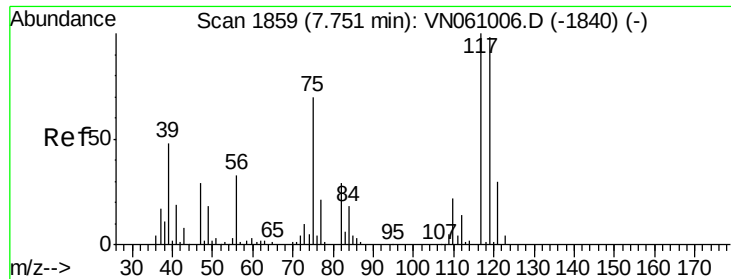
Tot Ion:113 Resp: 77824
 Ion Ratio Lower Upper
 113 100
 111 102.1 83.4 125.2
 192 18.8 15.5 23.3



#36
 1,1-Dichloropropene
 Concen: 4.619 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN061098.D
 Acq: 20 Apr 2020 13:58

Tgt Ion: 75 Resp: 12260
 Ion Ratio Lower Upper
 75 100
 110 7.0 16.8 50.3#
 77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.605 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN061098.D

Acq: 20 Apr 2020 13:58

Instrument :

MSVOA_N

ClientSampleId :

KY067MW013-200415RE

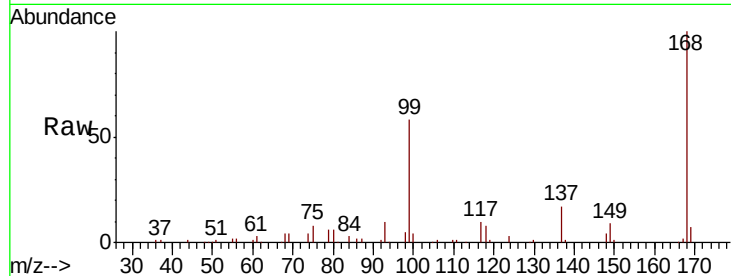
Tot Ion:117 Resp: 14594

Ion Ratio Lower Upper

117 100

119 5.3 78.1 117.1#

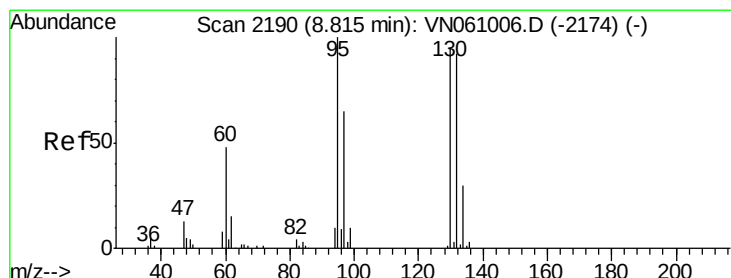
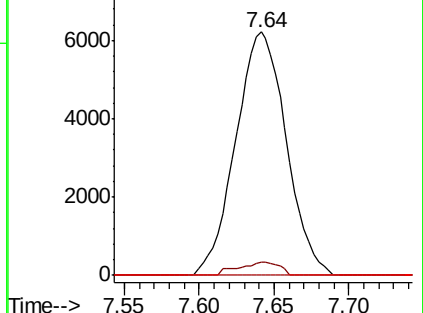
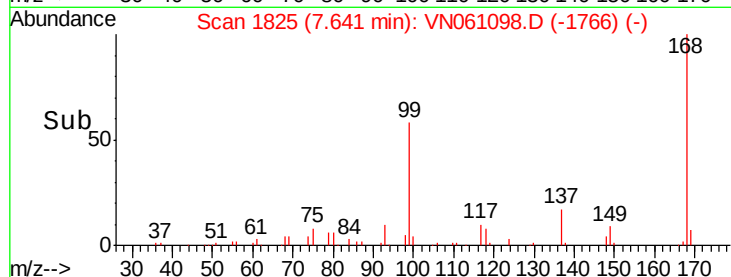
121 0.0 24.0 36.0#



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



#44

Trichloroethene

Concen: 1.355 ug/l

RT: 8.81 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VN061098.D

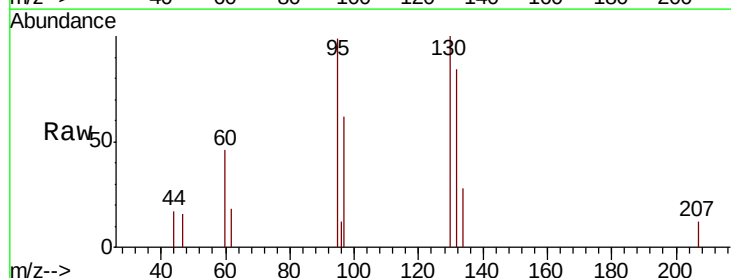
Acq: 20 Apr 2020 13:58

Tgt Ion:130 Resp: 2681

Ion Ratio Lower Upper

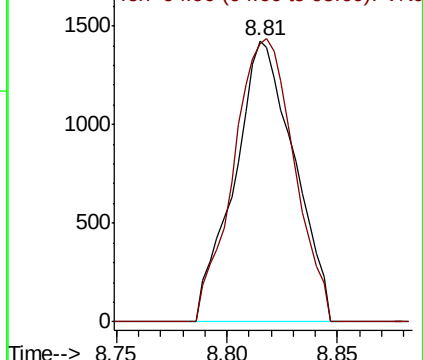
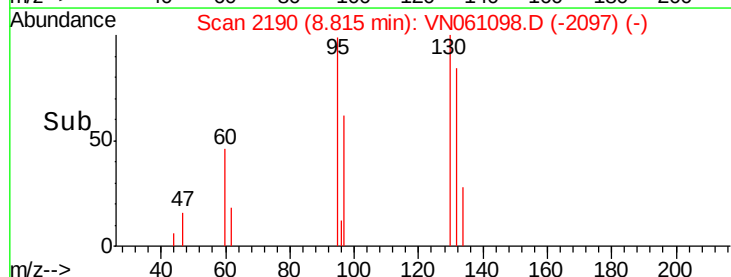
130 100

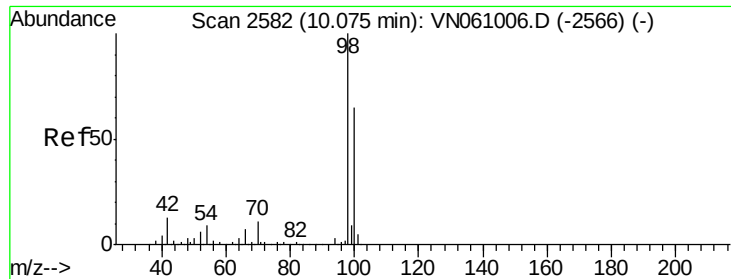
95 99.1 0.0 210.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

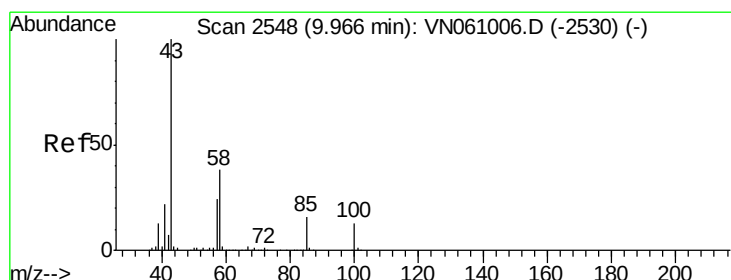
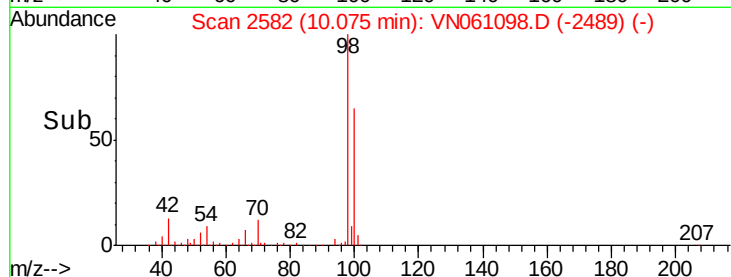
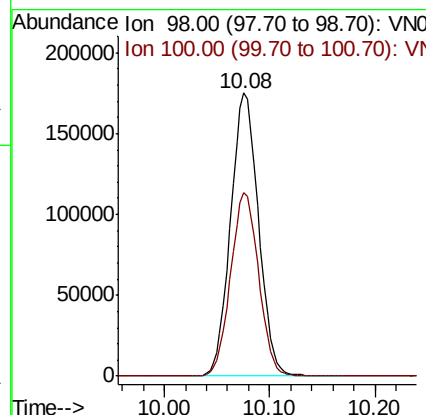
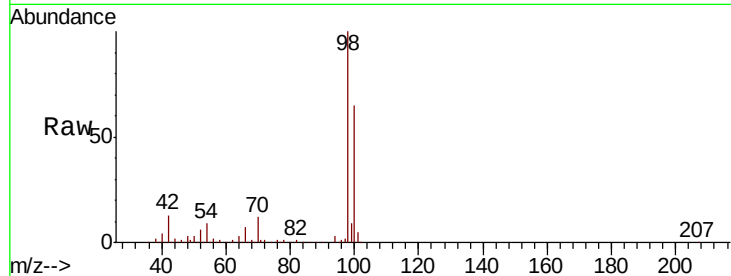




#50
Toluene-d8
Concen: 56.456 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. 0.00 min
Lab File: VN061098.D
Acq: 20 Apr 2020 13:58

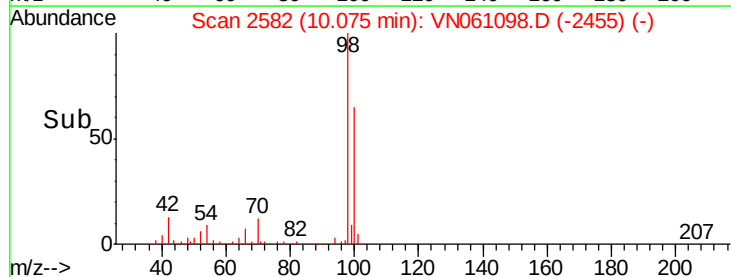
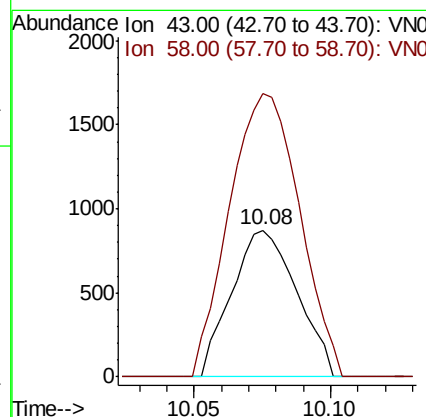
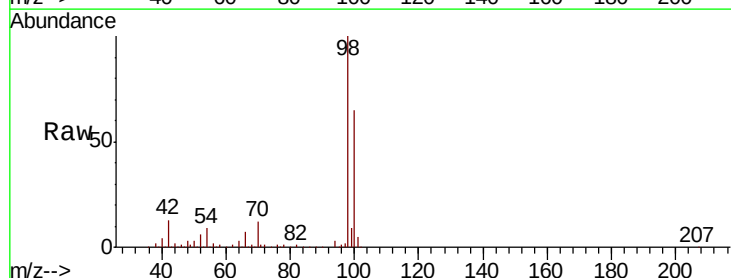
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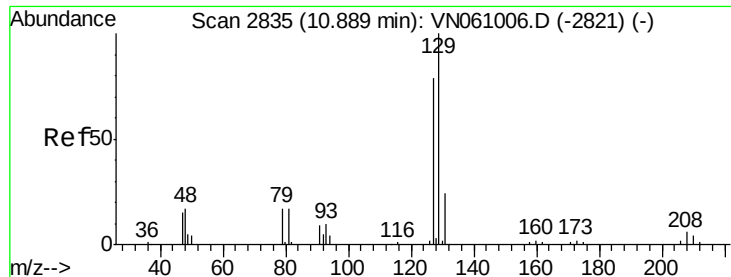
Tot Ion: 98 Resp: 320479
Ion Ratio Lower Upper
98 100
100 65.1 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.535 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. 0.11 min
Lab File: VN061098.D
Acq: 20 Apr 2020 13:58

Tgt Ion: 43 Resp: 1445
Ion Ratio Lower Upper
43 100
58 208.3 30.3 45.5#

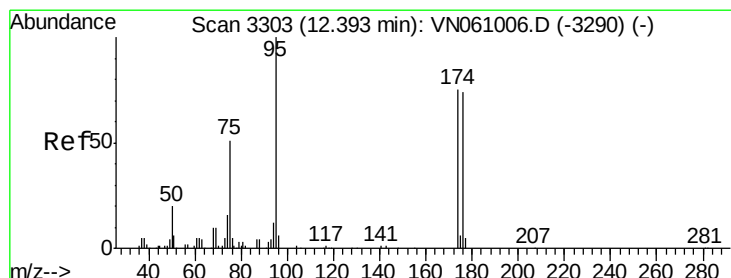
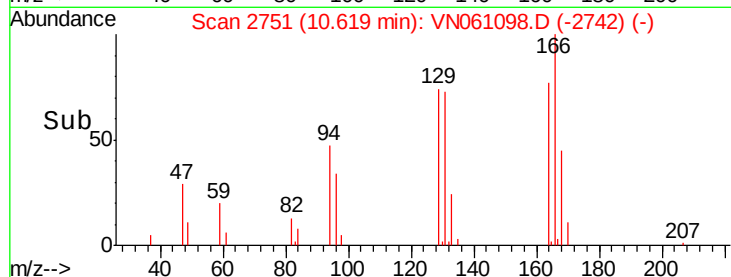
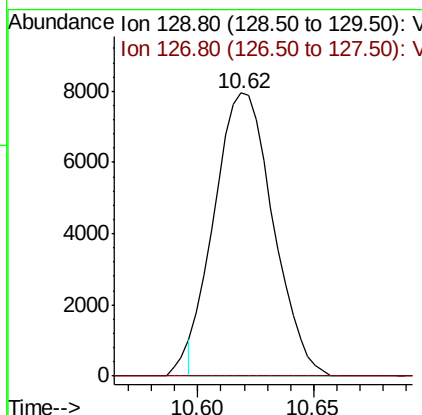
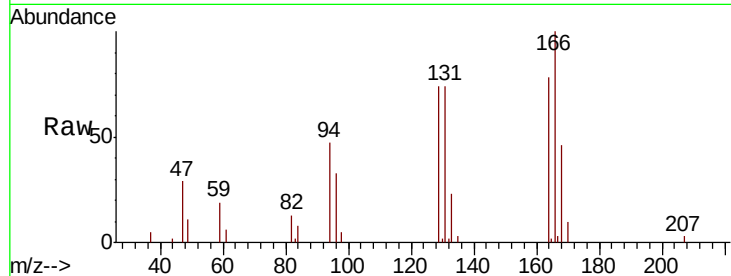




#60
 Dibromochloromethane
 Concen: 7.586 ug/l
 RT: 10.62 min Scan# 2751
 Delta R.T. -0.27 min
 Lab File: VN061098.D
 Acq: 20 Apr 2020 13:58

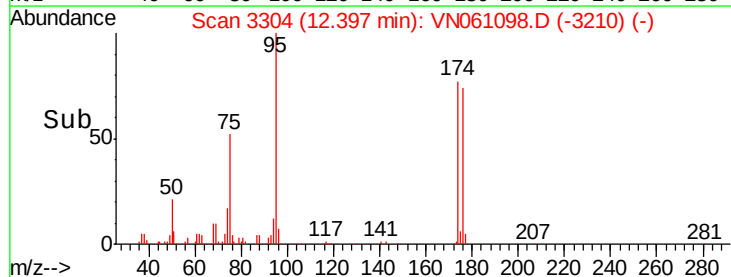
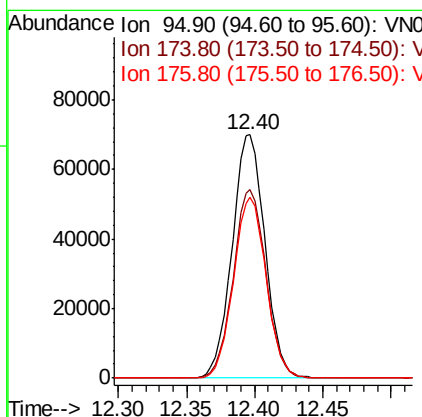
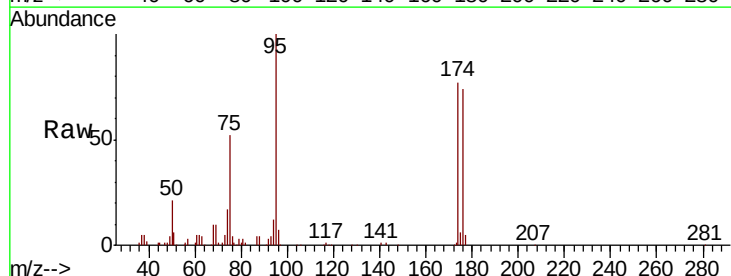
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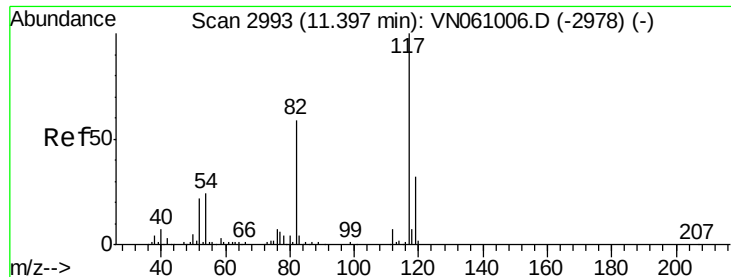
Tot Ion:129 Resp: 13931
 Ion Ratio Lower Upper
 129 100
 127 0.0 39.0 116.9#



#62
 4-Bromofluorobenzene
 Concen: 52.488 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN061098.D
 Acq: 20 Apr 2020 13:58

Tgt Ion: 95 Resp: 116776
 Ion Ratio Lower Upper
 95 100
 174 77.2 0.0 151.2
 176 73.8 0.0 148.2

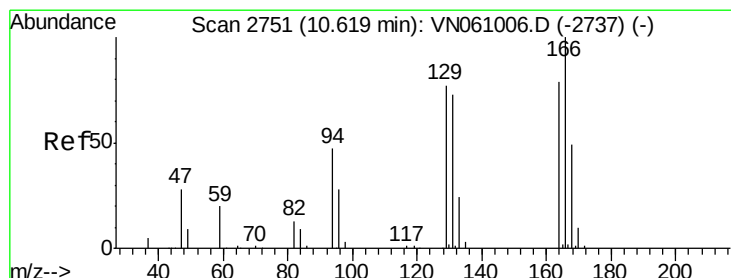
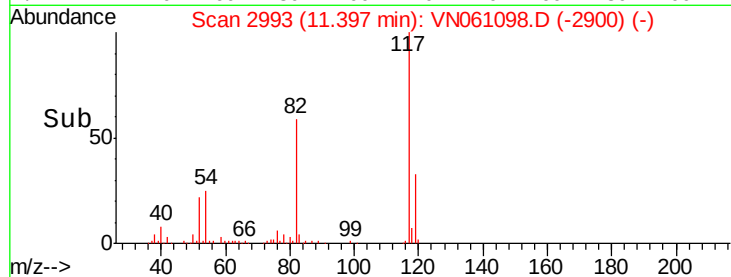
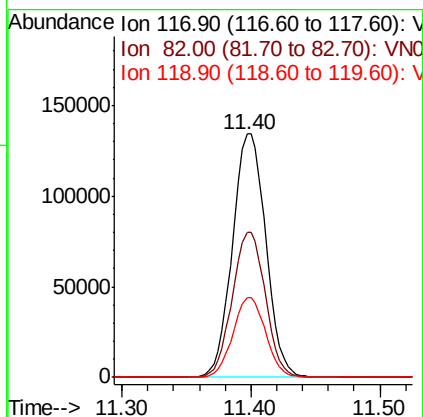
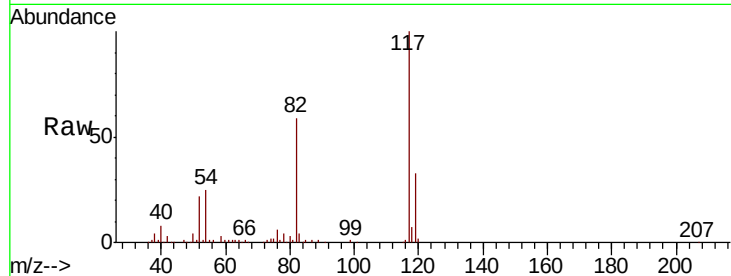




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. 0.00 min
Lab File: VN061098.D
Acq: 20 Apr 2020 13:58

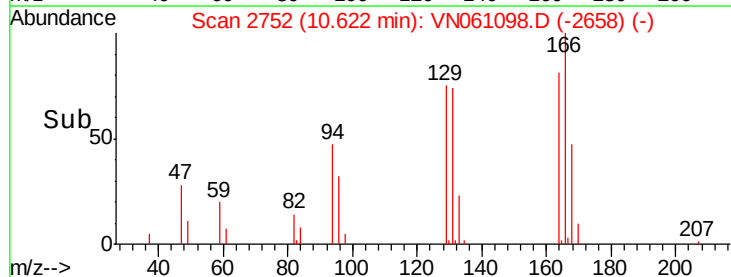
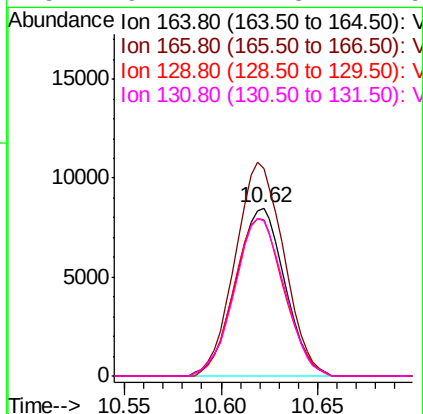
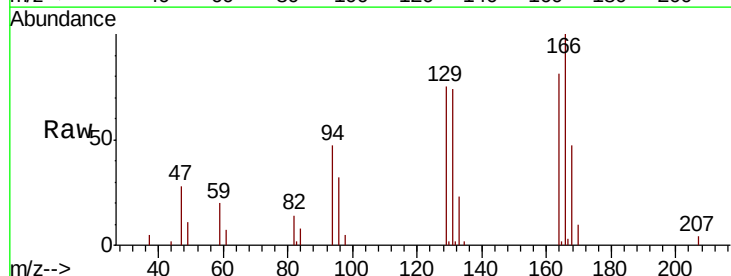
Instrument :
MSVOA_N
ClientSampleId :
KY067MW013-200415RE

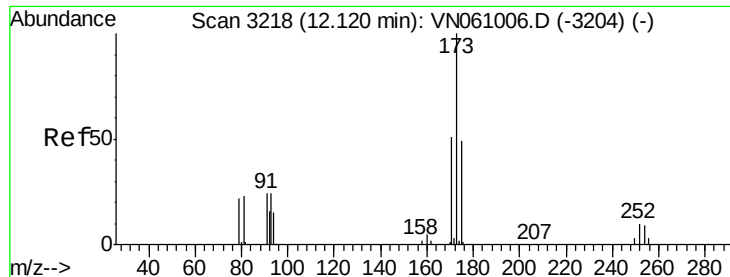
Tot Ion:117 Resp: 241576
Ion Ratio Lower Upper
117 100
82 59.4 47.1 70.7
119 32.7 25.7 38.5



#64
Tetrachloroethene
Concen: 8.106 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN061098.D
Acq: 20 Apr 2020 13:58

Tgt Ion:164 Resp: 14985
Ion Ratio Lower Upper
164 100
166 123.3 101.6 152.4
129 92.6 78.5 117.7
131 91.7 74.3 111.5





#71

Bromoform

Concen: 0.375 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.28 min

Lab File: VN061098.D

Acq: 20 Apr 2020 13:58

Instrument :

MSVOA_N

ClientSampleId :

KY067MW013-200415RE

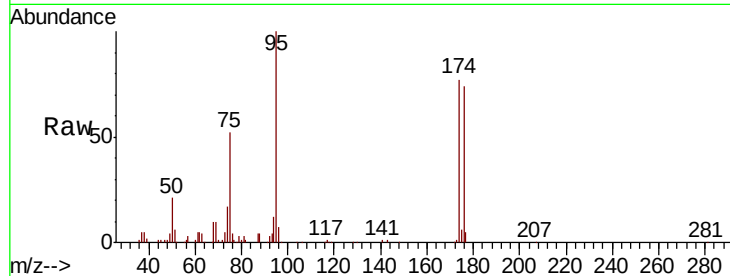
Tot Ion:173 Resp: 499

Ion Ratio Lower Upper

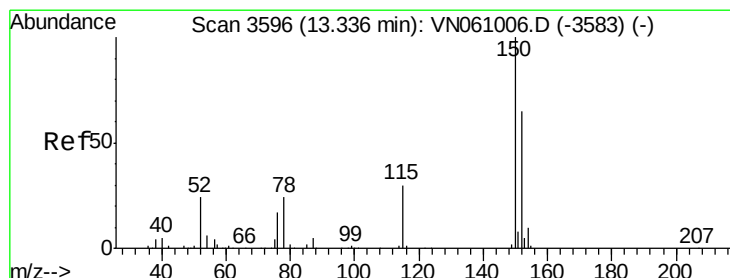
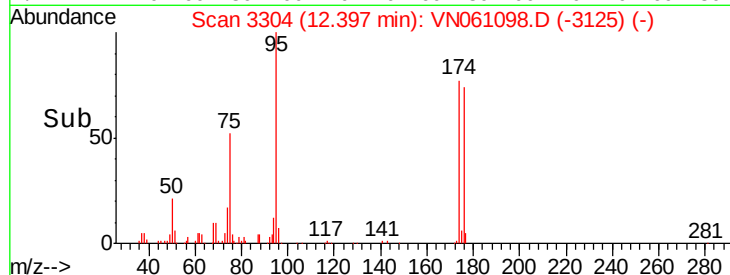
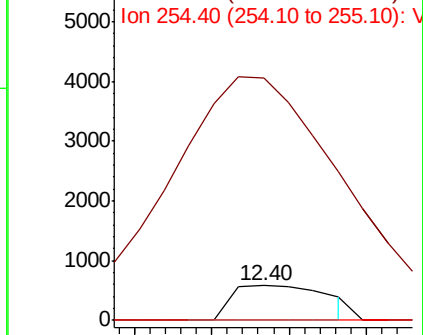
173 100

175 1145.9 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: VN061098.D

Acq: 20 Apr 2020 13:58

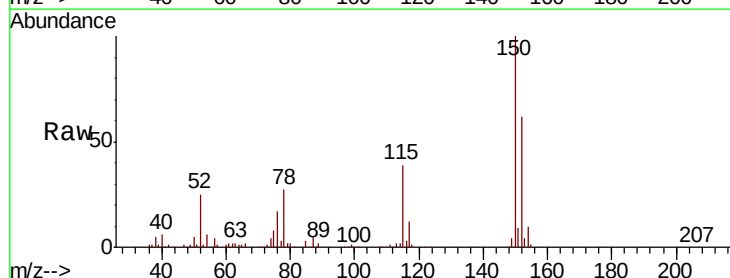
Tgt Ion:152 Resp: 105517

Ion Ratio Lower Upper

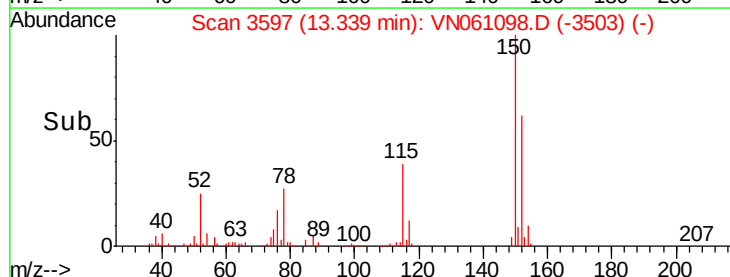
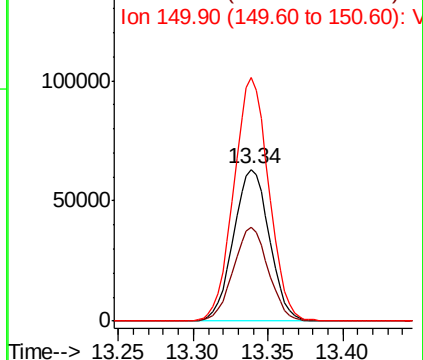
152 100

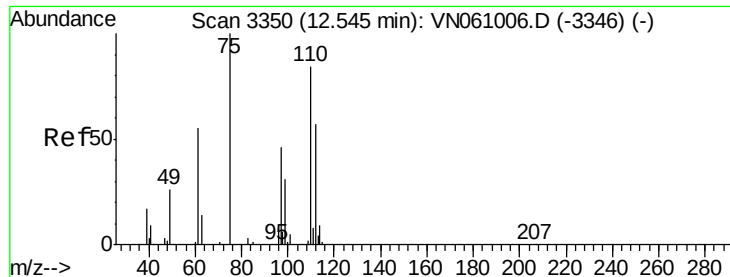
115 60.5 30.8 92.4

150 156.8 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: 26.276 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.15 min

Lab File: VN061098.D

Acq: 20 Apr 2020 13:58

Instrument :

MSVOA_N

ClientSampleId :

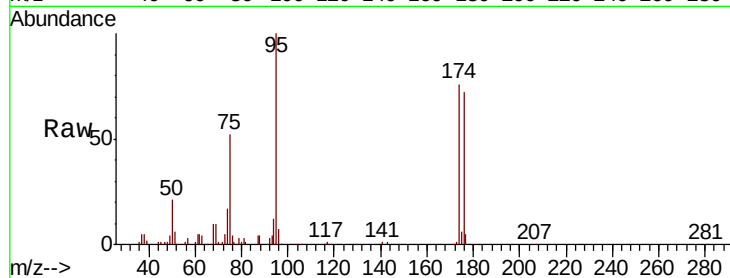
KY067MW013-200415RE

Tot Ion: 75 Resp: 60986

Ion Ratio Lower Upper

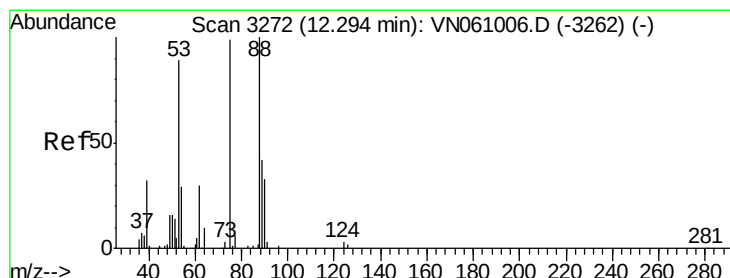
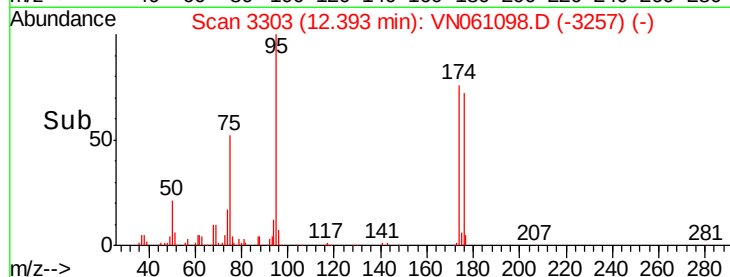
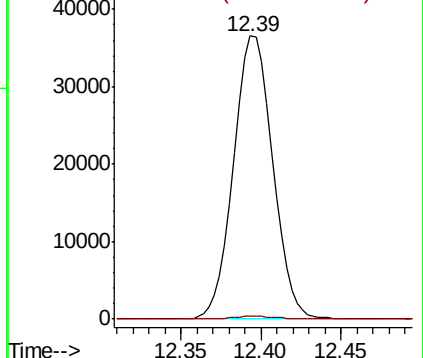
75 100

77 1.0 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: 64.813 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.10 min

Lab File: VN061098.D

Acq: 20 Apr 2020 13:58

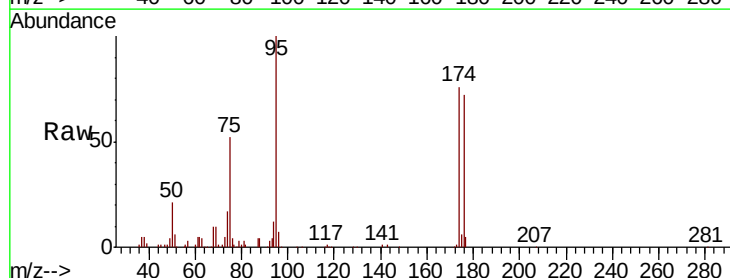
Tgt Ion: 75 Resp: 60986

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

