

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041720\
 Data File : VN061087.D
 Acq On : 18 Apr 2020 5:46
 Operator : JC/MD
 Sample : L2334-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 KY067MW013-200415

Quant Time: Apr 20 01:43:04 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	138245	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	236875	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	224921	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	98681	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	96875	54.77	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	109.54%	
35) Dibromofluoromethane	7.56	113	73556	53.17	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.34%	
50) Toluene-d8	10.08	98	296736	56.77	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	113.54%	
62) 4-Bromofluorobenzene	12.40	95	107809	52.62	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.24%	

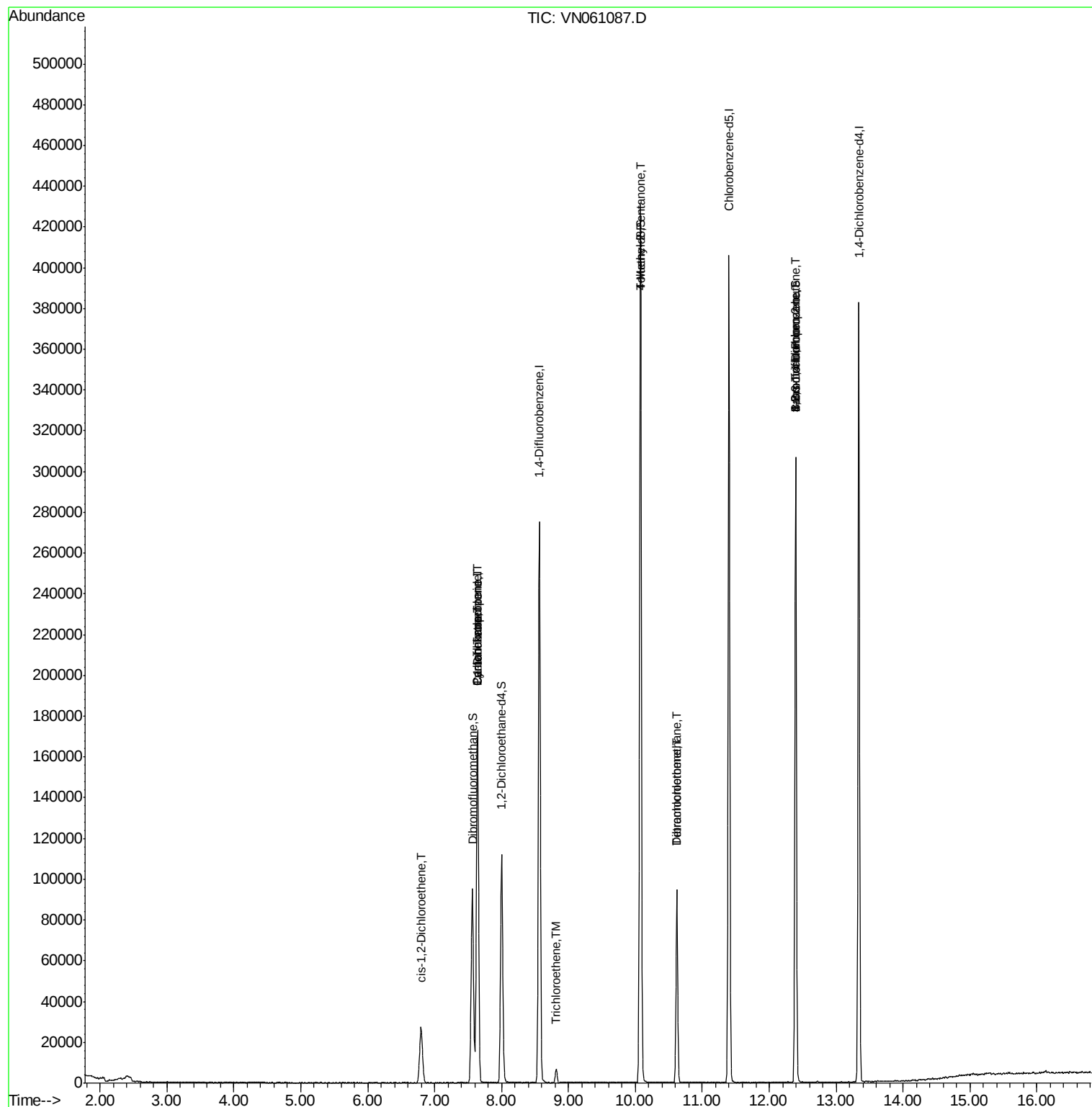
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
27) cis-1,2-Dichloroethene	6.80	96	17827	9.596	ug/l	91
31) Cyclohexane	7.64	56	3130	0.950	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	11203	4.583	ug/l #	49
38) Carbon Tetrachloride	7.64	117	13618	6.693	ug/l #	16
44) Trichloroethene	8.81	130	2589	1.421	ug/l	89
51) 4-Methyl-2-Pentanone	10.08	43	1303	0.524	ug/l #	1
60) Dibromochloromethane	10.62	129	20305	12.007	ug/l #	10
64) Tetrachloroethene	10.62	164	22019	12.793	ug/l	98
71) Bromoform	12.39	173	319	0.257	ug/l #	1
76) 1,2,3-Trichloropropane	12.39	75	54996	25.337	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.39	75	54996	62.496	ug/l #	12

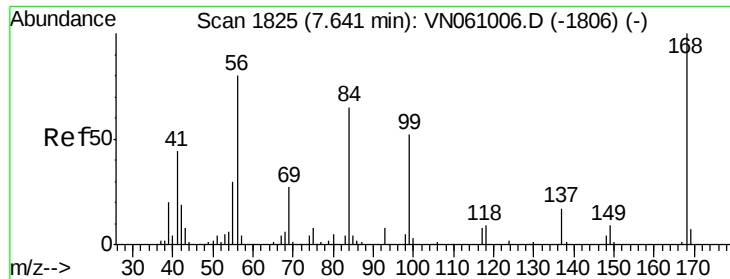
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN061087.D

Acq: 18 Apr 2020 5:46

Instrument :

MSVOA_N

ClientSampleId :

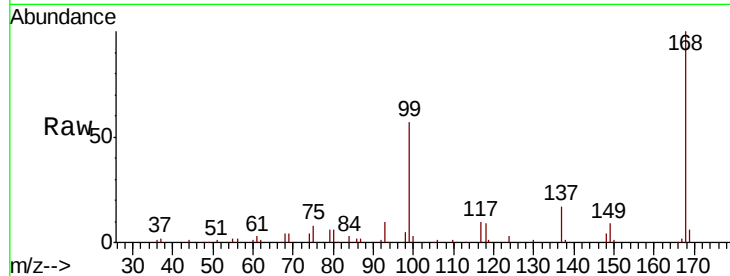
KY067MW013-200415

Tot Ion:168 Resp: 138245

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) (-)

7.64

60000

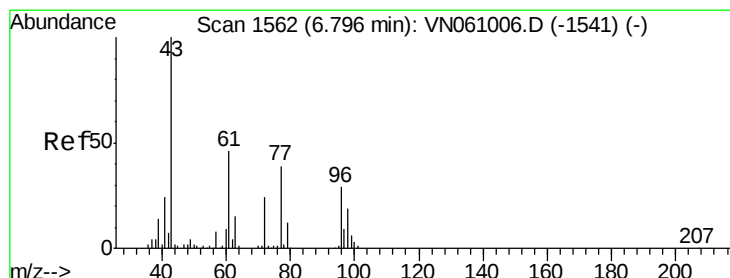
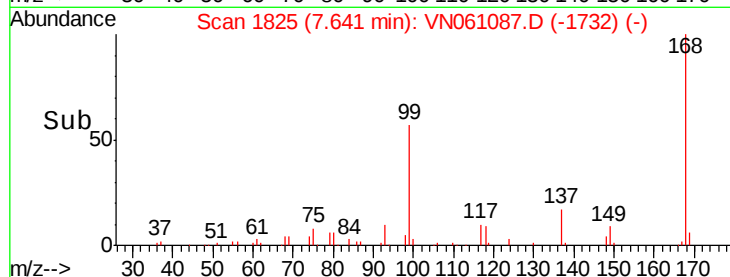
40000

20000

0

7.60 7.70

Time-->



#27

cis-1,2-Dichloroethene

Concen: 9.596 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN061087.D

Acq: 18 Apr 2020 5:46

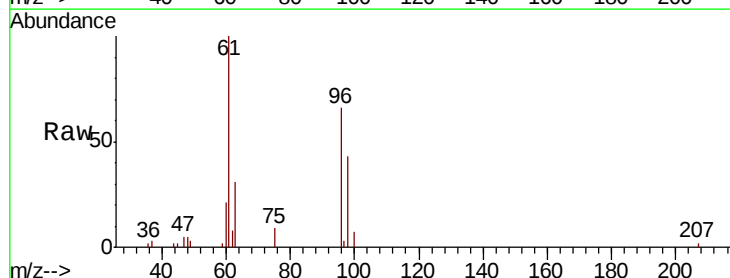
Tgt Ion: 96 Resp: 17827

Ion Ratio Lower Upper

96 100

61 142.8 0.0 317.4

98 65.4 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) (-)

12000

10000

8000

6000

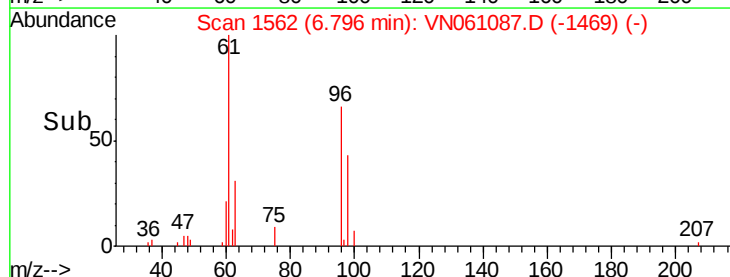
4000

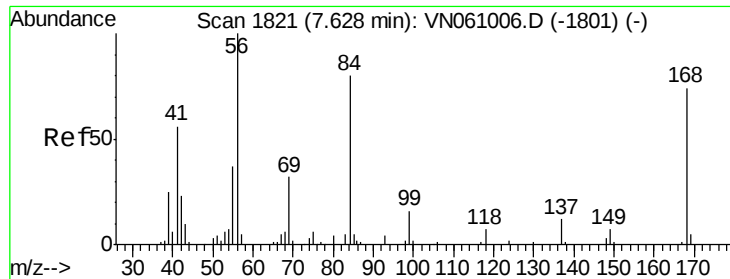
2000

0

6.70 6.75 6.80 6.85 6.90

Time-->

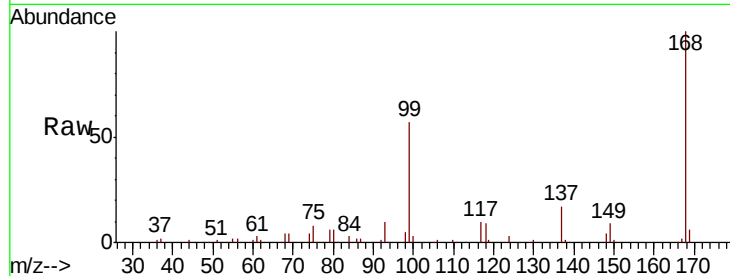




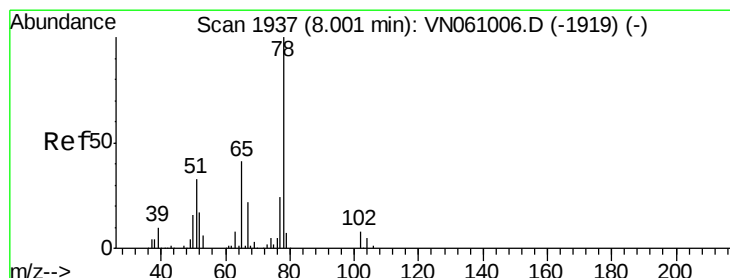
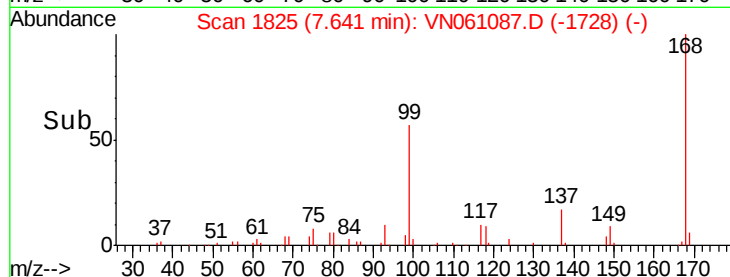
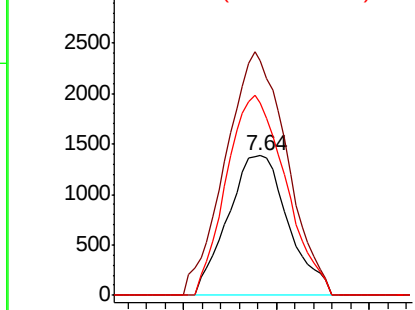
#31
Cyclohexane
Concen: 0.950 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN061087.D
Acq: 18 Apr 2020 5:46

Instrument :
MSVOA_N
ClientSampleId :
KY067MW013-200415

Tot Ion: 56 Resp: 3130
Ion Ratio Lower Upper
56 100
69 167.5 25.6 38.4#
84 138.0 63.4 95.2#

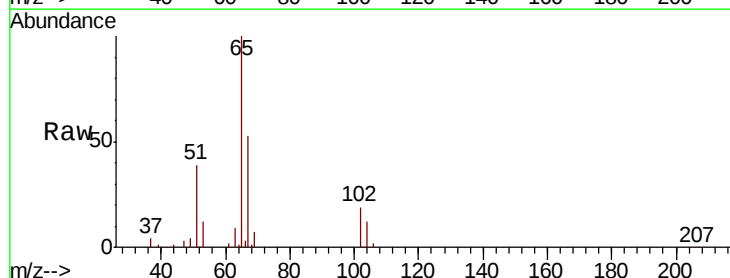


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

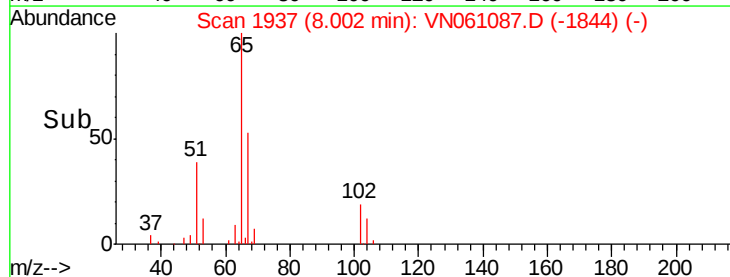
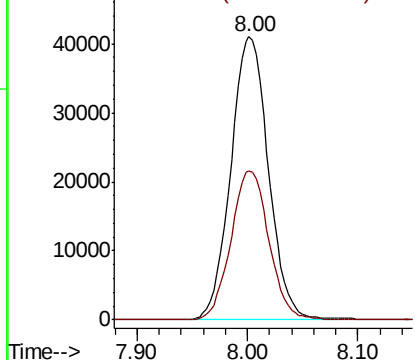


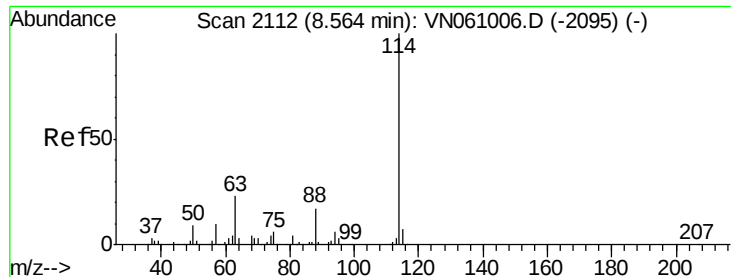
#33
1,2-Dichloroethane-d4
Concen: 54.770 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN061087.D
Acq: 18 Apr 2020 5:46

Tgt Ion: 65 Resp: 96875
Ion Ratio Lower Upper
65 100
67 53.1 0.0 107.0



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

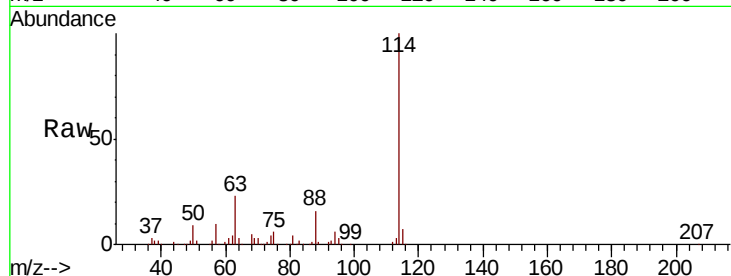




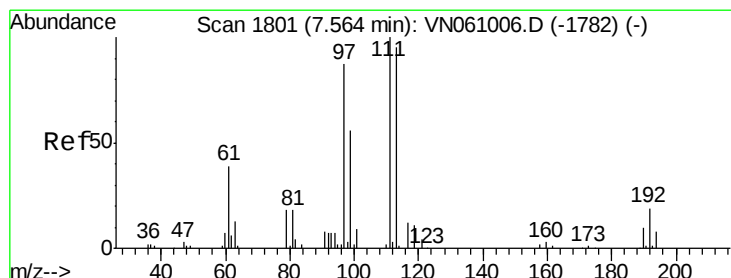
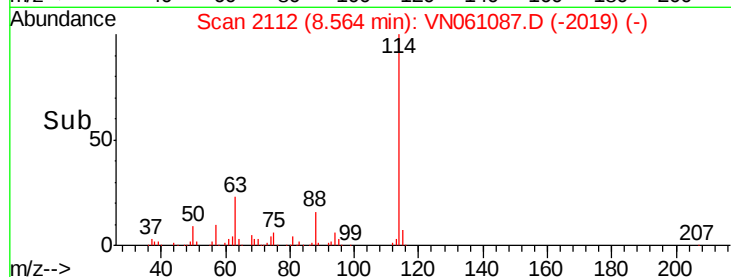
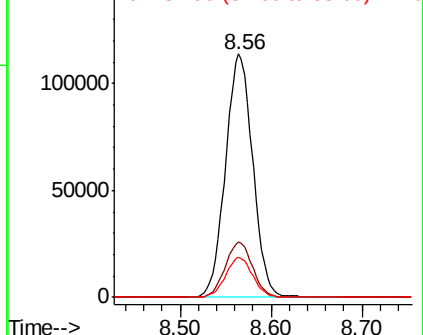
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VN061087.D
 Acq: 18 Apr 2020 5:46

Instrument :
 MSVOA_N
 ClientSampleId :
 KY067MW013-200415

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	46.2
88	16.3	0.0	33.4

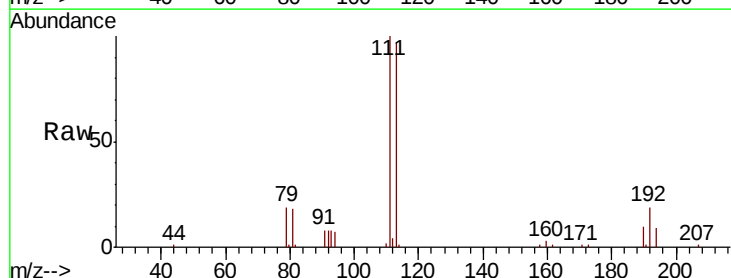


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

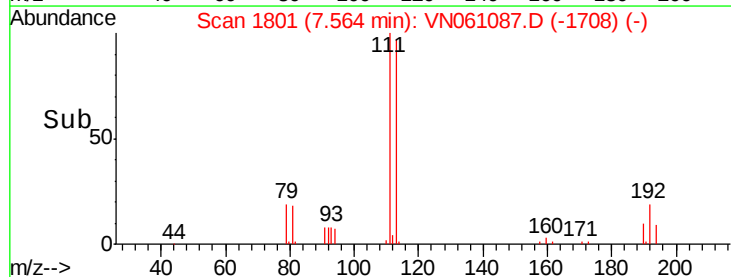
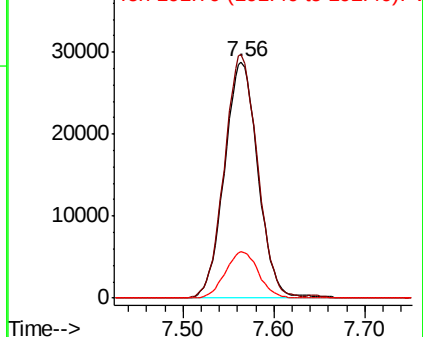


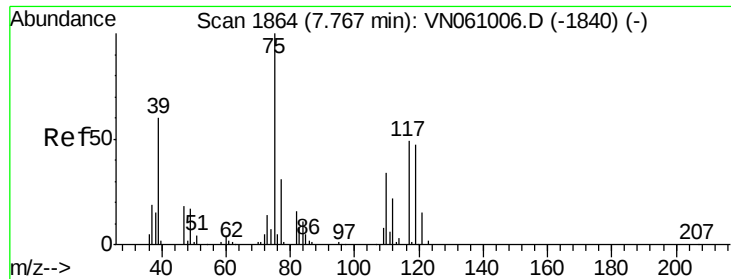
#35
 Dibromofluoromethane
 Concen: 53.174 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN061087.D
 Acq: 18 Apr 2020 5:46

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	83.4	125.2
192	19.3	15.5	23.3



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

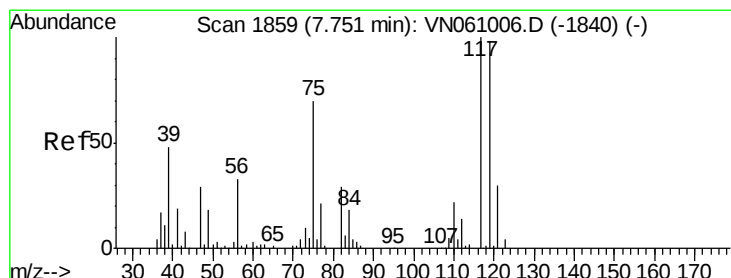
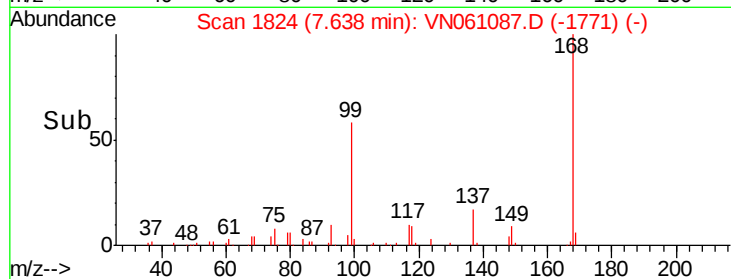
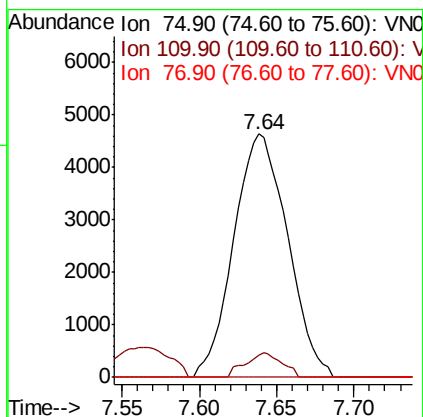
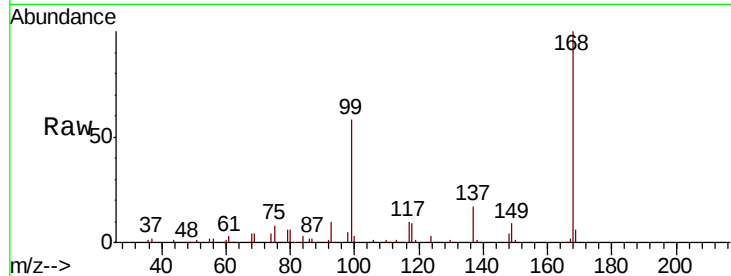




#36
 1,1-Dichloropropene
 Concen: 4.583 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN061087.D
 Acq: 18 Apr 2020 5:46

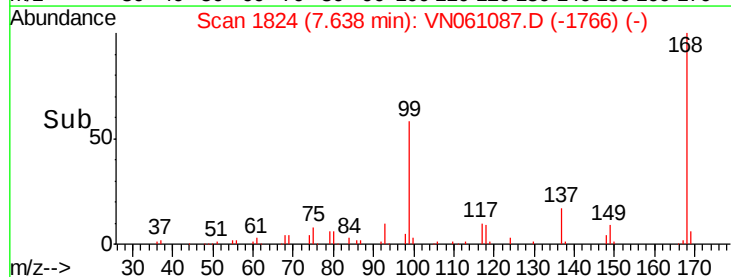
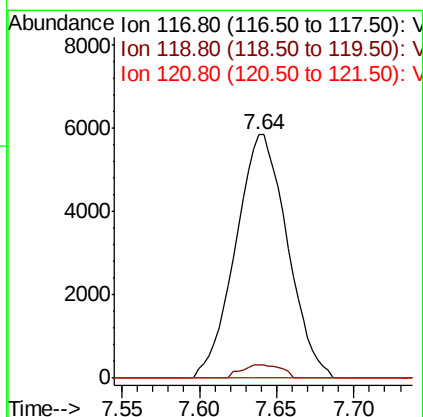
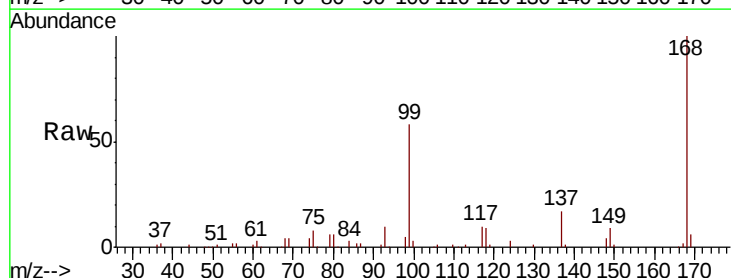
Instrument :
 MSVOA_N
 ClientSampleId :
 KY067MW013-200415

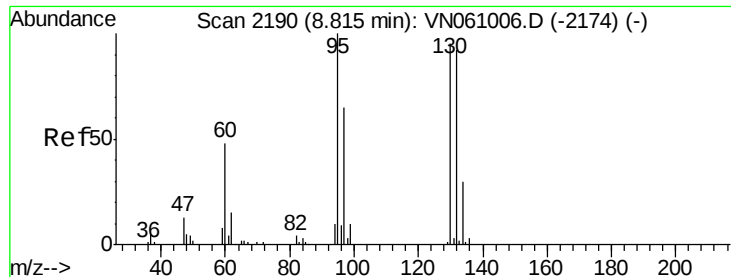
Tot Ion	Ratio	Lower	Upper
75	100		
110	6.8	16.8	50.3#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.693 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.11 min
 Lab File: VN061087.D
 Acq: 18 Apr 2020 5:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.5	78.1	117.1#
121	0.0	24.0	36.0#





#44

Trichloroethene

Concen: 1.421 ug/l

RT: 8.81 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VN061087.D

Acq: 18 Apr 2020 5:46

Instrument :

MSVOA_N

ClientSampleId :

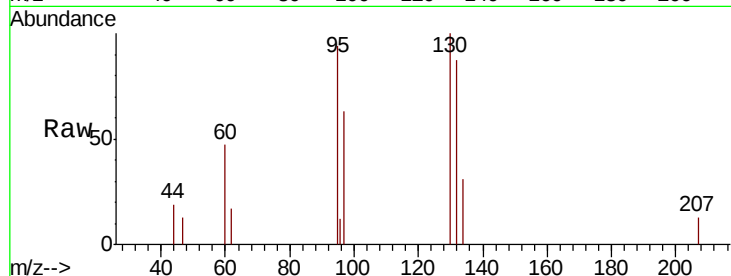
KY067MW013-200415

Tot Ion:130 Resp: 2589

Ion Ratio Lower Upper

130 100

95 94.1 0.0 210.0



Abundance Ion 129.80 (129.50 to 130.50): VN061087.D (-2097) (-)

Ion 94.90 (94.60 to 95.60): VN061087.D (-2097) (-)

8.81

1500

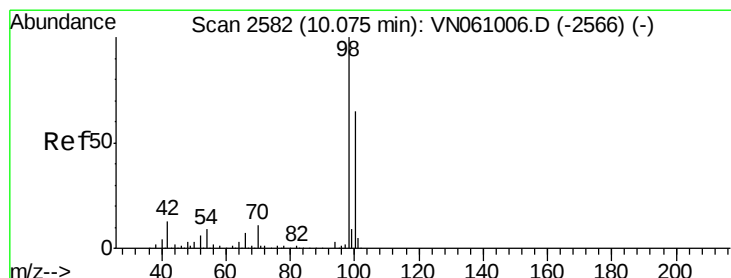
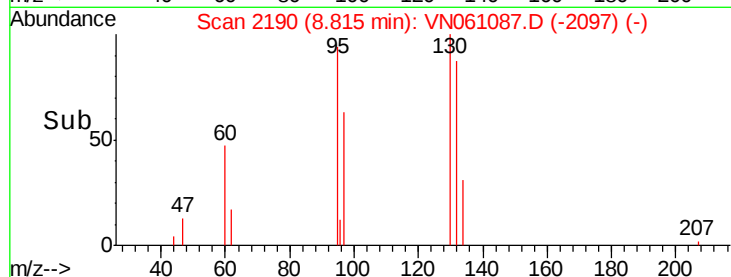
1000

500

0

8.75 8.80 8.85

Time-->



#50

Toluene-d8

Concen: 56.767 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. 0.00 min

Lab File: VN061087.D

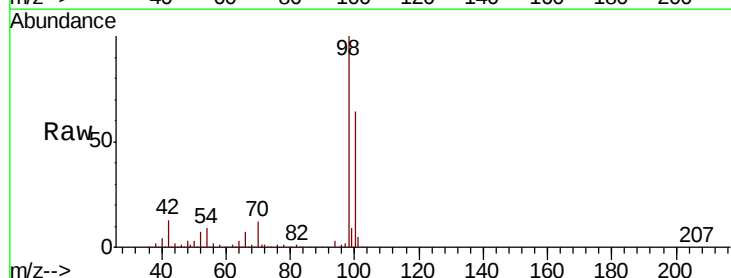
Acq: 18 Apr 2020 5:46

Tgt Ion: 98 Resp: 296736

Ion Ratio Lower Upper

98 100

100 64.5 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN061087.D (-2489) (-)

Ion 100.00 (99.70 to 100.70): VN061087.D (-2489) (-)

10.08

150000

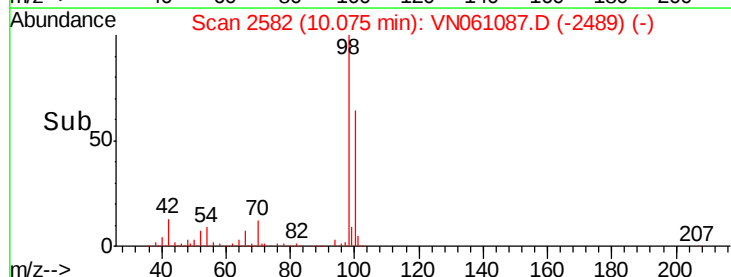
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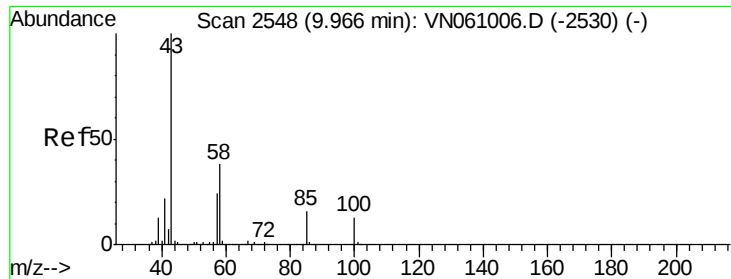
50000

0

10.00 10.10 10.20

Time-->





#51

4-Methyl-2-Pentanone

Concen: 0.524 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. 0.11 min

Lab File: VN061087.D

Acq: 18 Apr 2020 5:46

Instrument :

MSVOA_N

ClientSampleId :

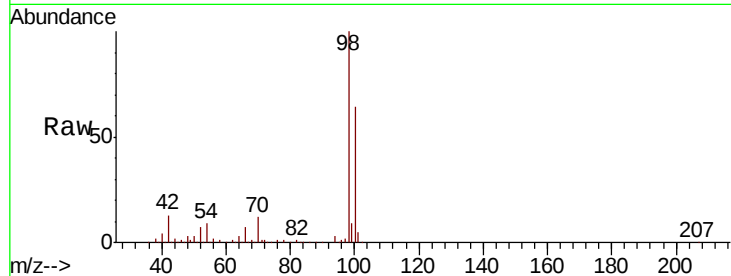
KY067MW013-200415

Tot Ion: 43 Resp: 1303

Ion Ratio Lower Upper

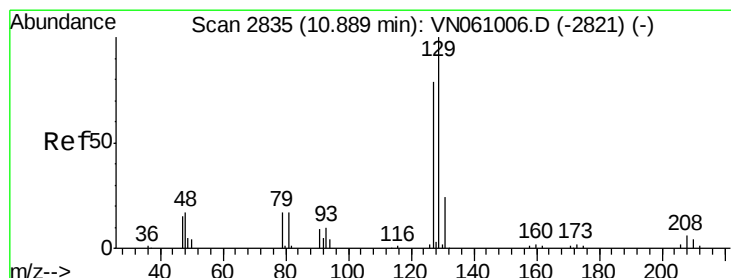
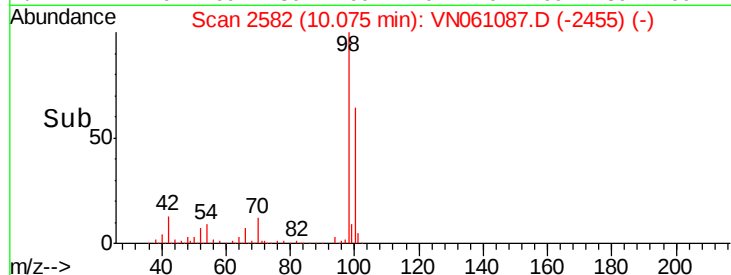
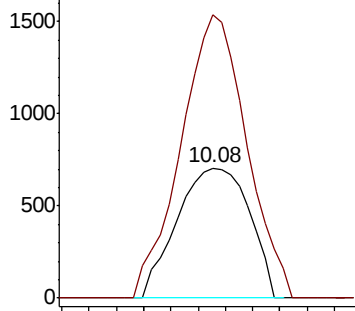
43 100

58 196.9 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) (-)



#60

Dibromochloromethane

Concen: 12.007 ug/l

RT: 10.62 min Scan# 2751

Delta R.T. -0.27 min

Lab File: VN061087.D

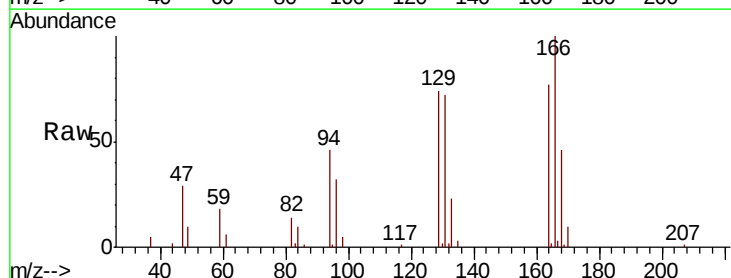
Acq: 18 Apr 2020 5:46

Tgt Ion: 129 Resp: 20305

Ion Ratio Lower Upper

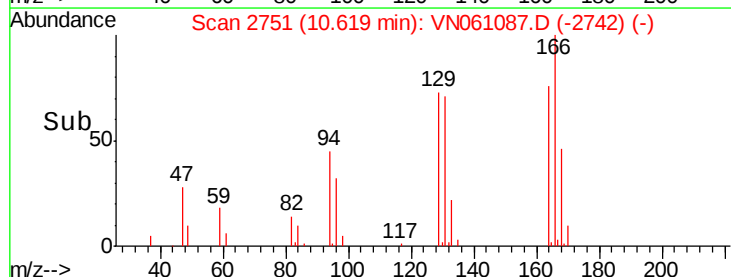
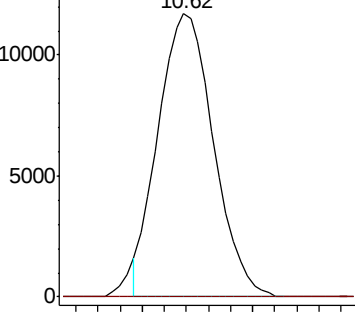
129 100

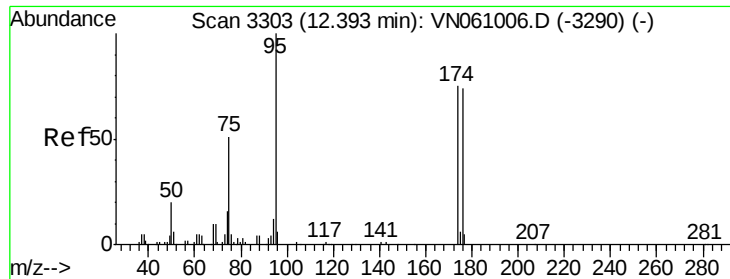
127 0.0 39.0 116.9#



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

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





#62

4-Bromofluorobenzene

Concen: 52.622 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN061087.D

Acq: 18 Apr 2020 5:46

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KY067MW013-200415

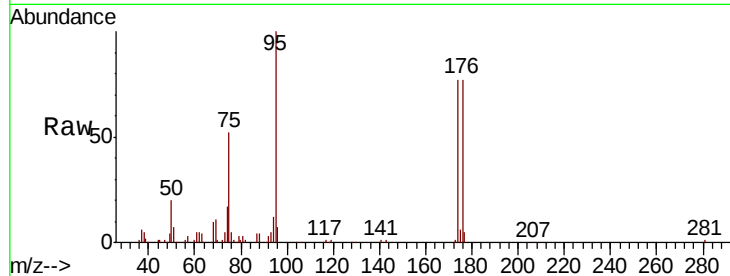
Tot Ion: 95 Resp: 107809

Ion Ratio Lower Upper

95 100

174 76.9 0.0 151.2

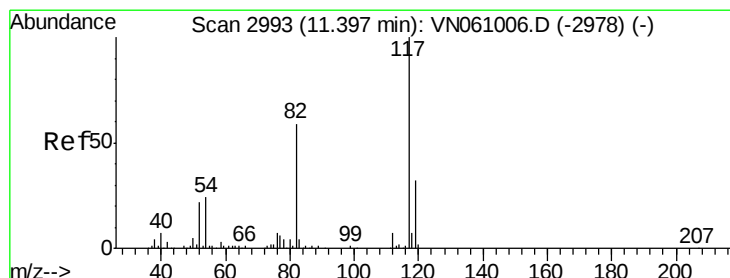
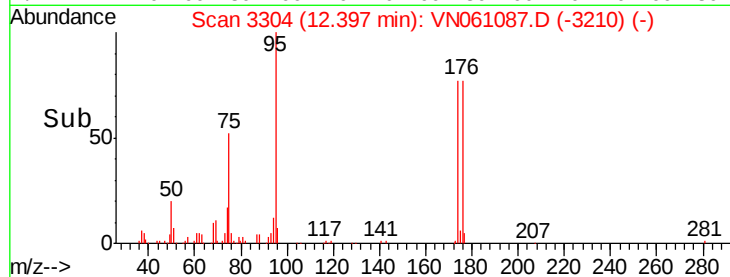
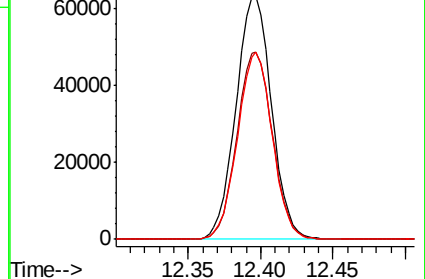
176 75.2 0.0 148.2



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: VN061087.D

Acq: 18 Apr 2020 5:46

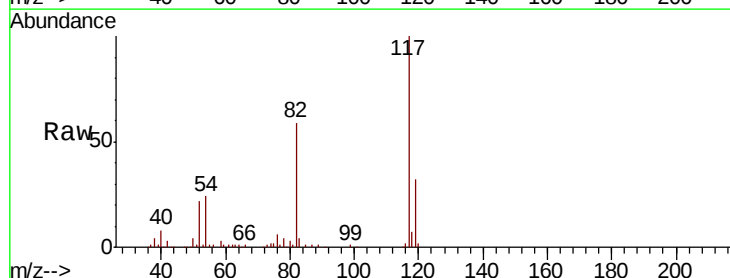
Tgt Ion: 117 Resp: 224921

Ion Ratio Lower Upper

117 100

82 58.9 47.1 70.7

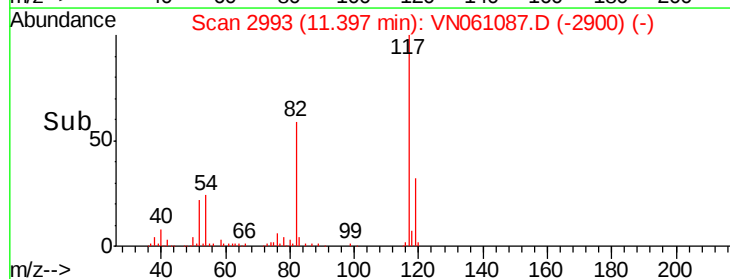
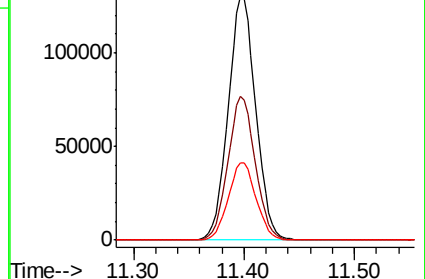
119 31.6 25.7 38.5

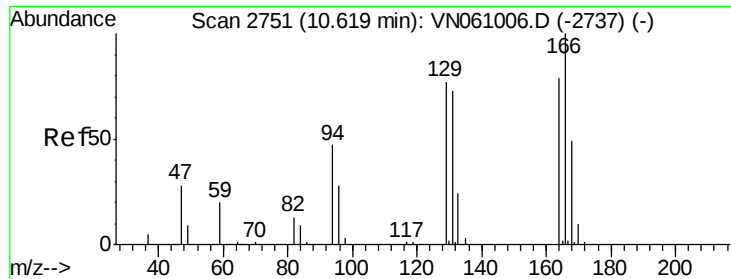


Abundance Ion 116.90 (116.60 to 117.60): VN061006.D (-2978) (-)

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: 12.793 ug/l

RT: 10.62 min Scan# 2751

Delta R.T. 0.00 min

Lab File: VN061087.D

Acq: 18 Apr 2020 5:46

Instrument :

MSVOA_N

ClientSampleId :

KY067MW013-200415

Tot Ion:164 Resp: 22019

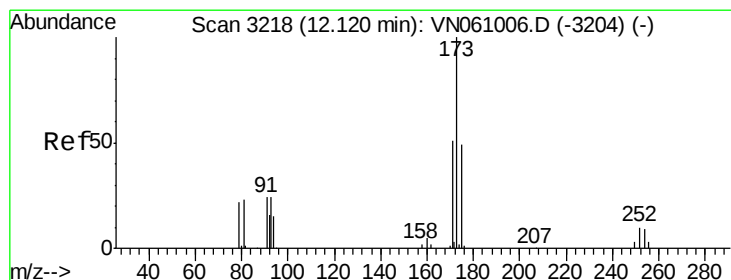
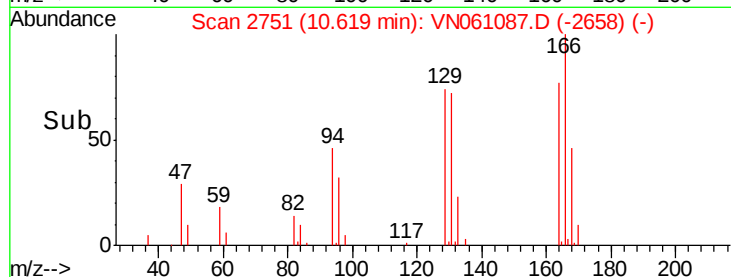
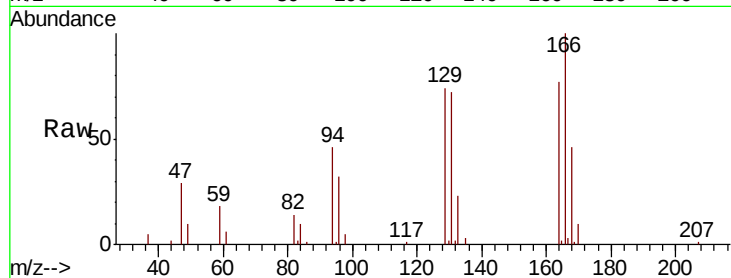
Ion Ratio Lower Upper

164 100

166 130.0 101.6 152.4

129 96.0 78.5 117.7

131 93.6 74.3 111.5



#71

Bromoform

Concen: 0.257 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.27 min

Lab File: VN061087.D

Acq: 18 Apr 2020 5:46

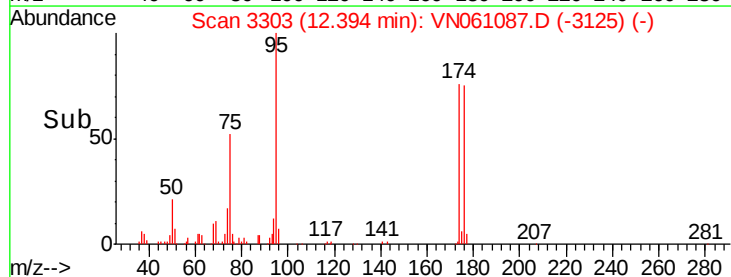
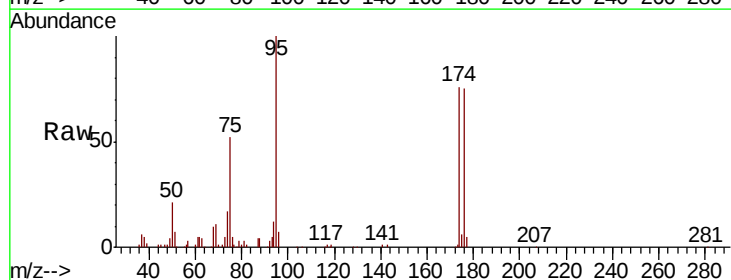
Tgt Ion:173 Resp: 319

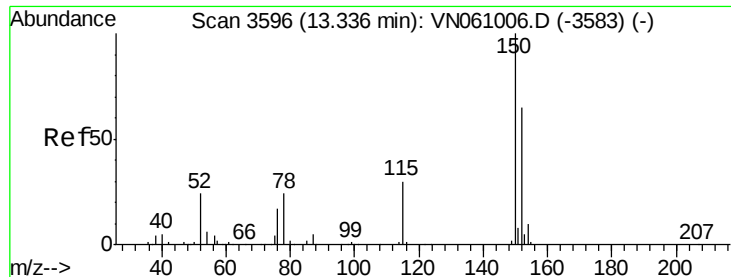
Ion Ratio Lower Upper

173 100

175 1653.0 24.5 73.5#

254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN061087.D

Acq: 18 Apr 2020 5:46

Instrument :

MSVOA_N

ClientSampleId :

KY067MW013-200415

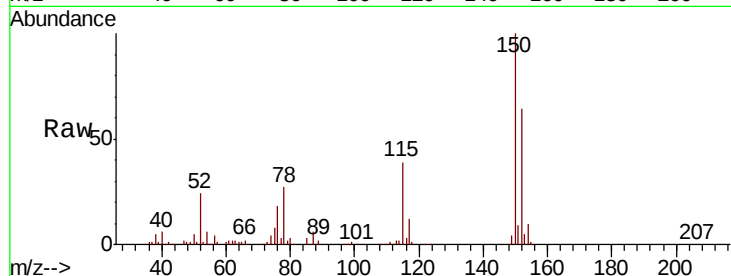
Tot Ion:152 Resp: 98681

Ion Ratio Lower Upper

152 100

115 60.1 30.8 92.4

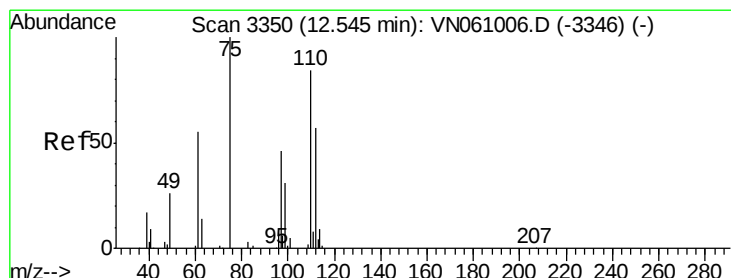
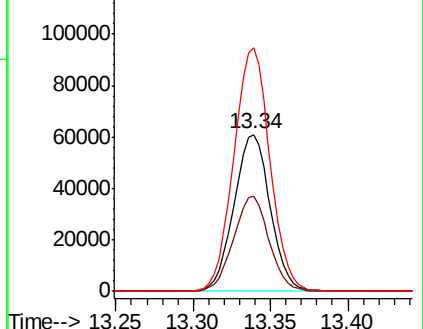
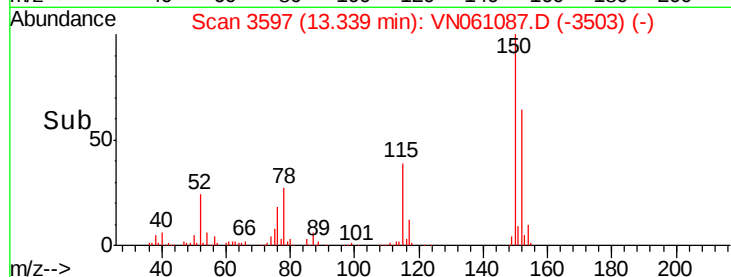
150 155.9 0.0 349.0



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: 25.337 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.15 min

Lab File: VN061087.D

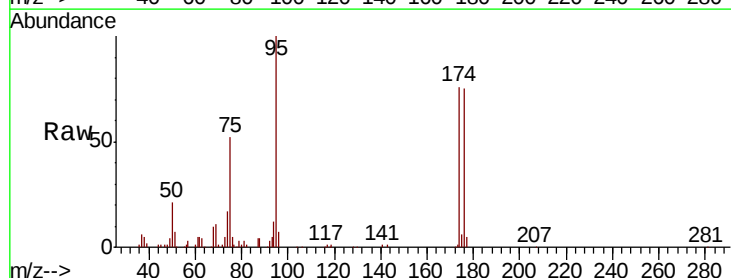
Acq: 18 Apr 2020 5:46

Tgt Ion: 75 Resp: 54996

Ion Ratio Lower Upper

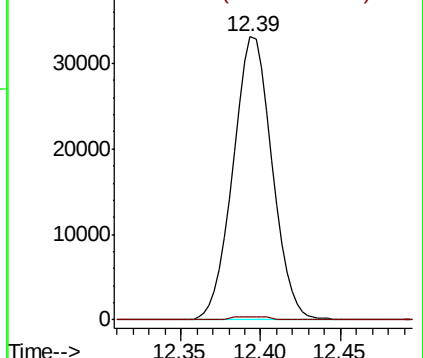
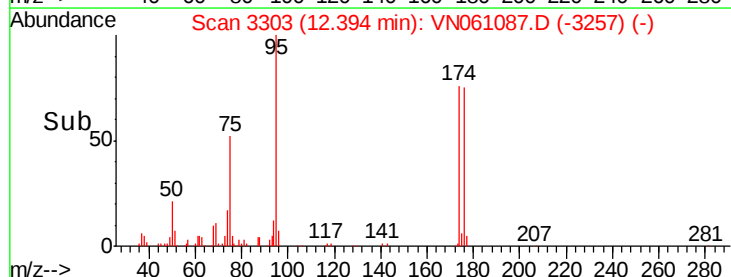
75 100

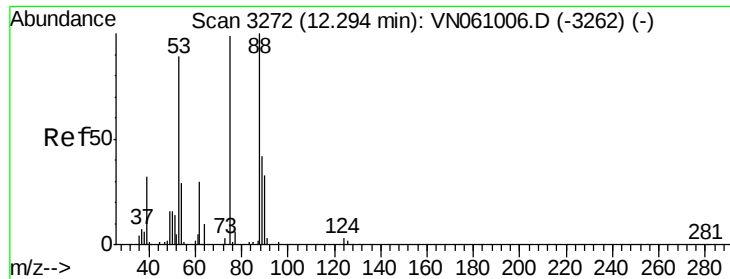
77 1.0 0.0 0.0#



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: 62.496 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.10 min

Lab File: VN061087.D

Acq: 18 Apr 2020 5:46

Instrument :

MSVOA_N

ClientSampleId :

KY067MW013-200415

Tot Ion: 75 Resp: 54996

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.0 34.6 52.0#

