

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041720\
 Data File : VN061084.D
 Acq On : 18 Apr 2020 4:38
 Operator : JC/MD
 Sample : L2334-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 KY074MW067-200415

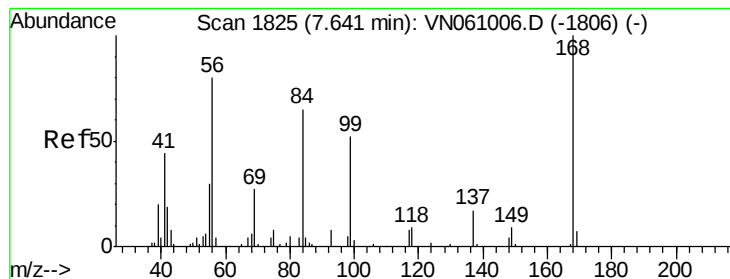
Quant Time: Apr 20 01:42:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 17 03:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	138102	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	235586	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	223118	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	97997	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	95171	53.86	ug/l	0.00
Spiked Amount						
35) Dibromofluoromethane	7.56	113	72065	52.38	ug/l	0.00
Spiked Amount						
50) Toluene-d8	10.08	98	294493	56.65	ug/l	0.00
Spiked Amount						
62) 4-Bromofluorobenzene	12.40	95	107811	52.91	ug/l	0.00
Spiked Amount						

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.17	62	783	0.385	ug/l #	80
16) Acetone	3.78	43	521	0.670	ug/l #	44
31) Cyclohexane	7.64	56	3178	0.966	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	11129	4.578	ug/l #	49
38) Carbon Tetrachloride	7.64	117	13331	6.588	ug/l #	16
40) Benzene	8.02	78	4345	0.602	ug/l	100
51) 4-Methyl-2-Pentanone	10.08	43	1531	0.619	ug/l #	1
71) Bromoform	12.40	173	412	0.335	ug/l #	1
76) 1,2,3-Trichloropropane	12.39	75	54767	25.408	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.39	75	54767	62.670	ug/l #	12

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN061084.D

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MSVOA_N

ClientSampleId :

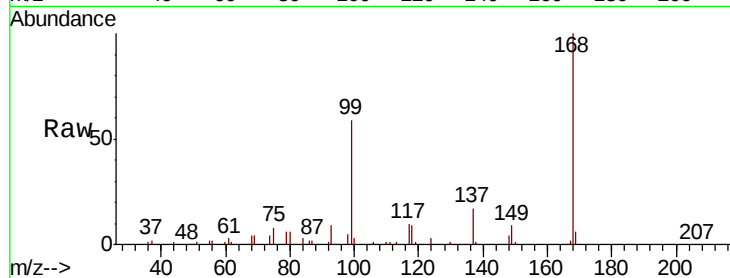
KY074MW067-200415

Tot Ion:168 Resp: 138102

Ion Ratio Lower Upper

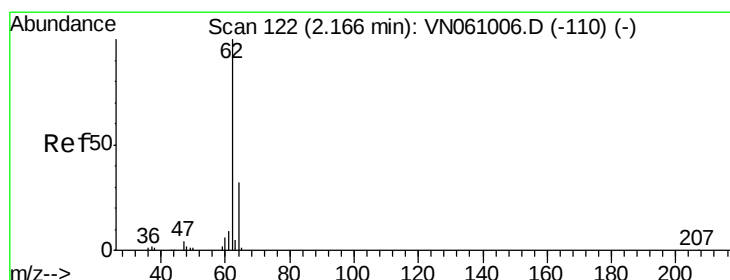
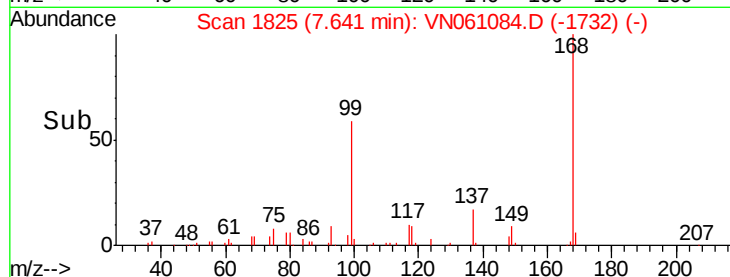
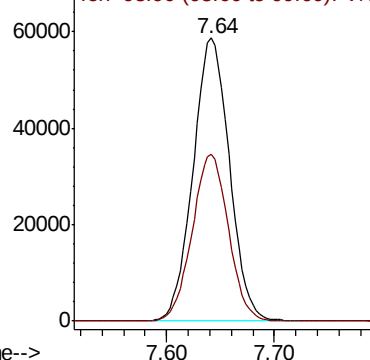
168 100

99 58.9 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#4

Vinyl Chloride

Concen: 0.385 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN061084.D

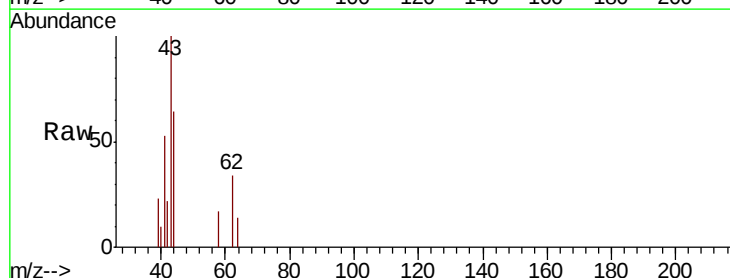
Acq: 18 Apr 2020 4:38

Tgt Ion: 62 Resp: 783

Ion Ratio Lower Upper

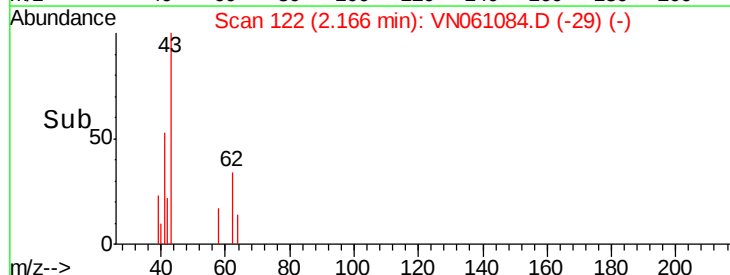
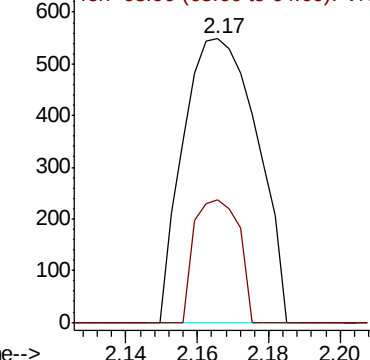
62 100

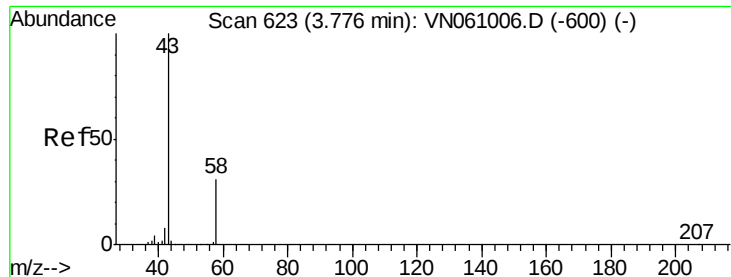
64 43.1 25.4 38.0#



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#16

Acetone

Concen: 0.670 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN061084.D

Acq: 18 Apr 2020 4:38

Instrument :

MSVOA_N

ClientSampleId :

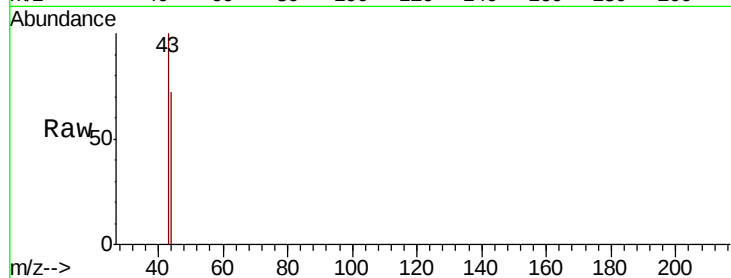
KY074MW067-200415

Tot Ion: 43 Resp: 521

Ion Ratio Lower Upper

43 100

58 0.0 24.6 37.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.78

400

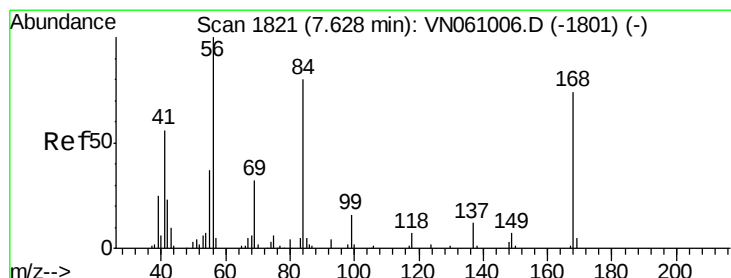
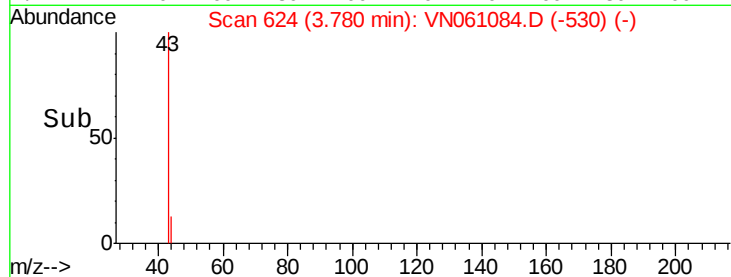
300

200

100

0

Time-->



#31

Cyclohexane

Concen: 0.966 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.02 min

Lab File: VN061084.D

Acq: 18 Apr 2020 4:38

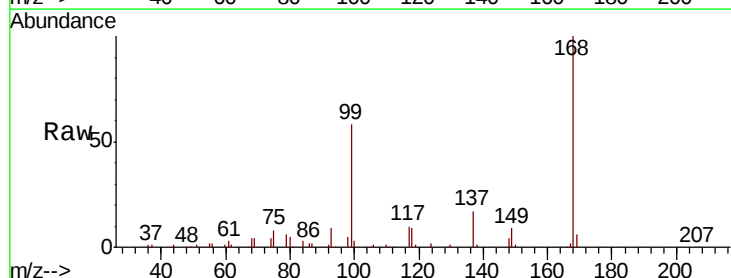
Tgt Ion: 56 Resp: 3178

Ion Ratio Lower Upper

56 100

69 159.3 25.6 38.4#

84 122.0 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

3000

2500

2000

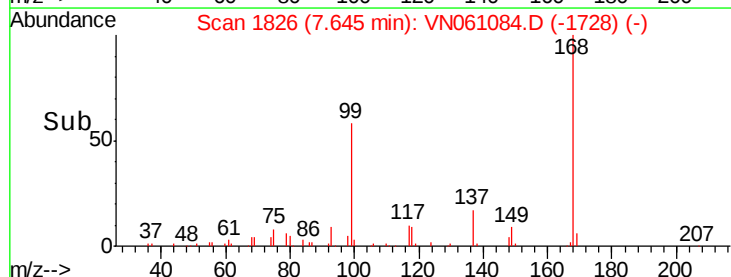
1500

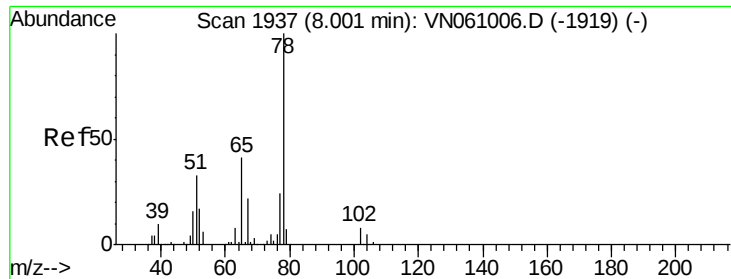
1000

500

0

Time-->

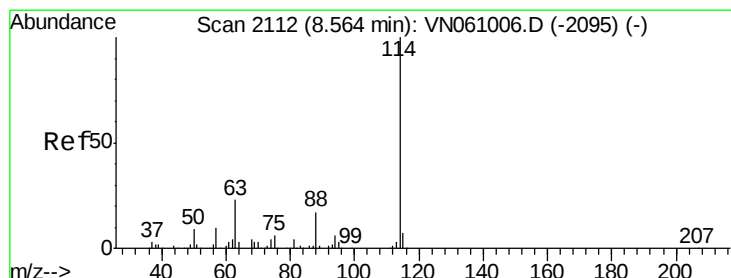
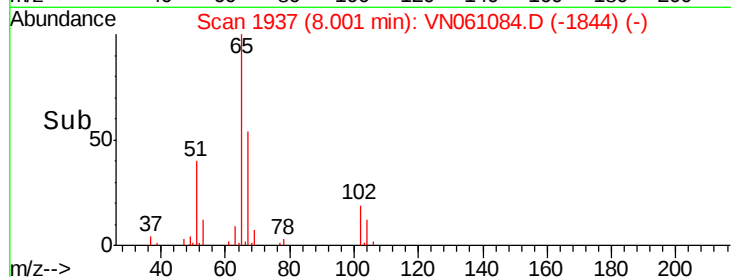
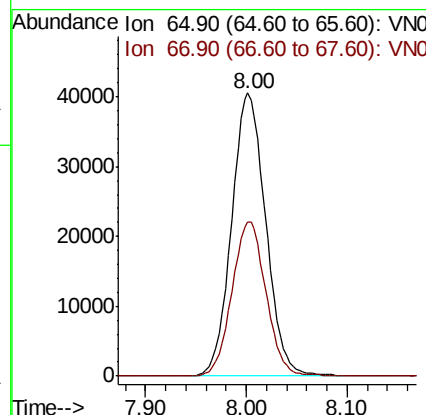
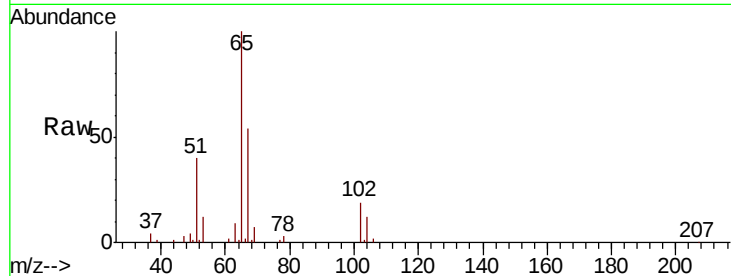




#33
 1,2-Dichloroethane-d4
 Concen: 53.863 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VN061084.D
 Acq: 18 Apr 2020 4:38

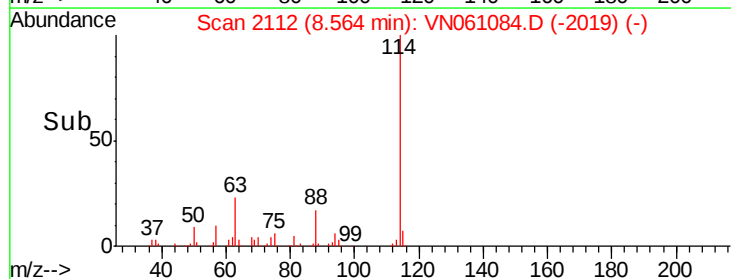
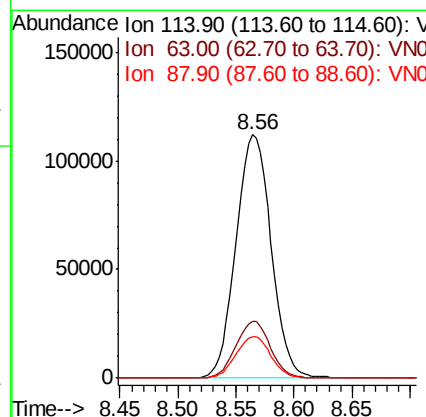
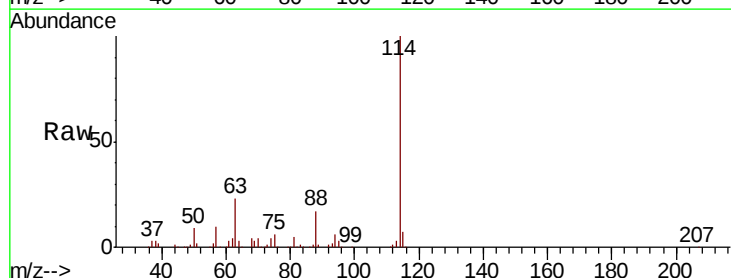
Instrument :
 MSVOA_N
 ClientSampleId :
 KY074MW067-200415

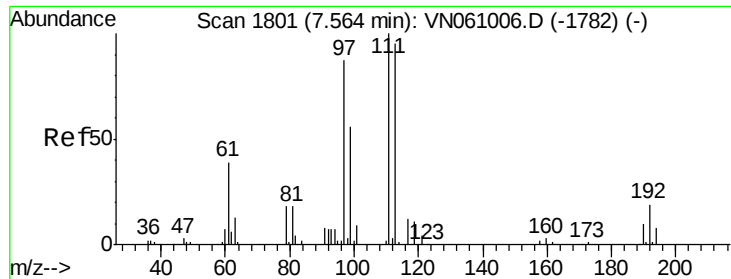
Tot Ion: 65 Resp: 95171
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VN061084.D
 Acq: 18 Apr 2020 4:38

Tgt Ion: 114 Resp: 235586
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 46.2
 88 17.1 0.0 33.4

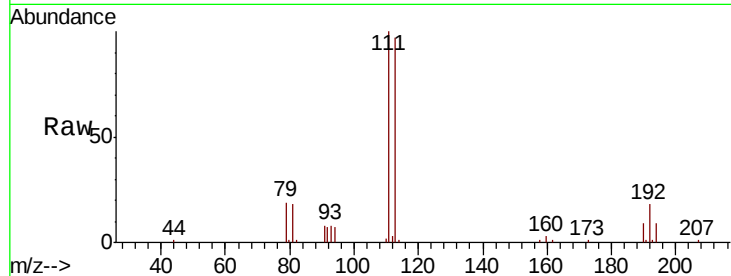




#35
 Dibromofluoromethane
 Concen: 52.381 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN061084.D
 Acq: 18 Apr 2020 4:38

Instrument :
 MSVOA_N
 ClientSampleId :
 KY074MW067-200415

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	83.4	125.2
192	18.9	15.5	23.3

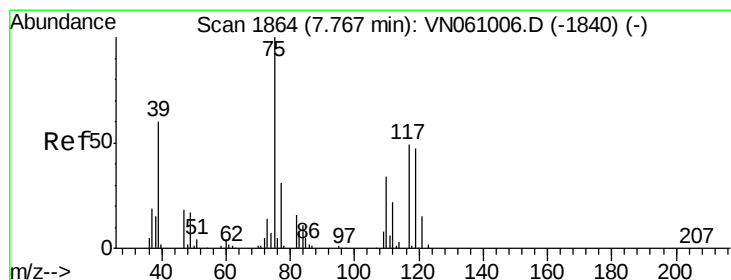
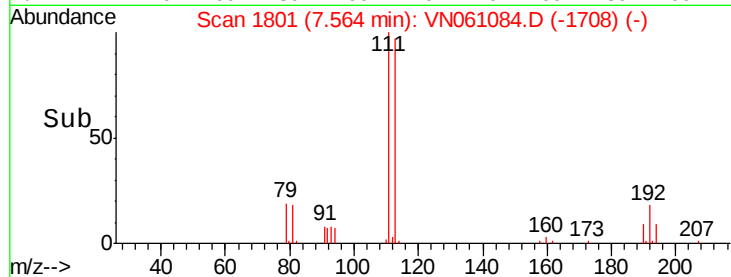
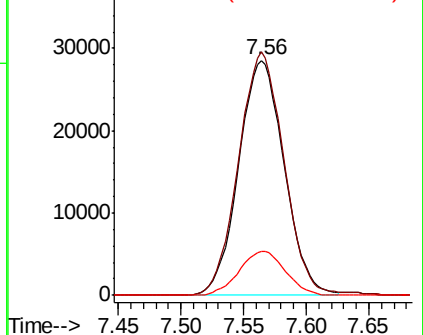


Abundance

Ion 112.80 (112.50 to 113.50): V

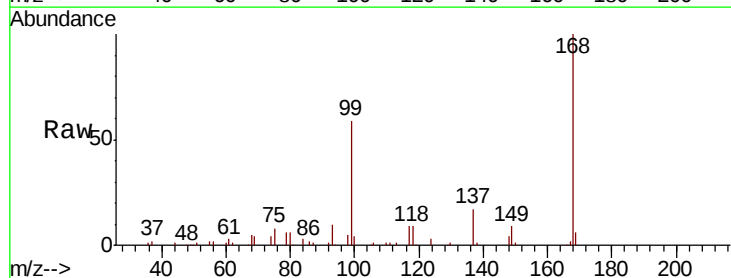
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 4.578 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN061084.D
 Acq: 18 Apr 2020 4:38

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

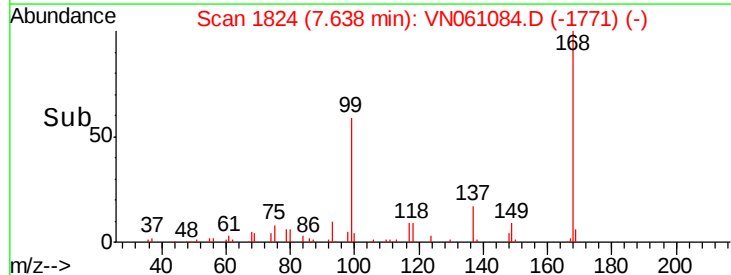
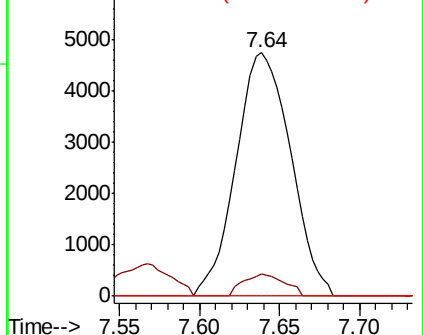


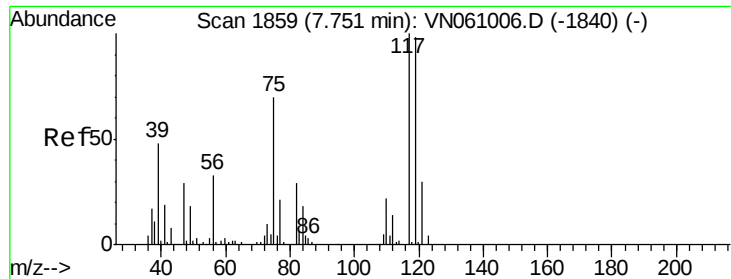
Abundance

Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0





#38

Carbon Tetrachloride

Concen: 6.588 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN061084.D

Acq: 18 Apr 2020 4:38

Instrument :

MSVOA_N

ClientSampleId :

KY074MW067-200415

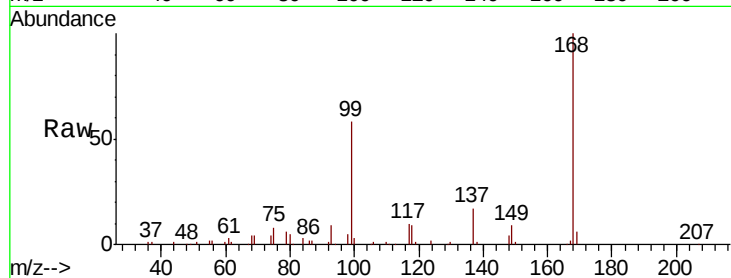
Tot Ion:117 Resp: 13331

Ion Ratio Lower Upper

117 100

119 6.1 78.1 117.1#

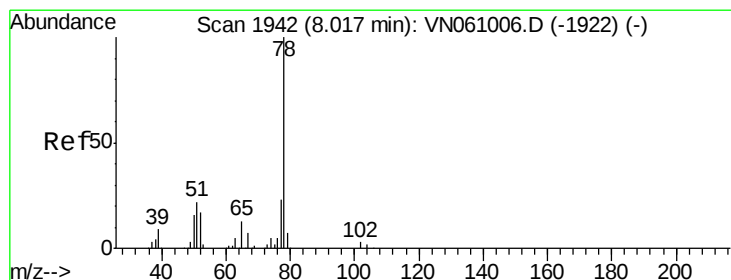
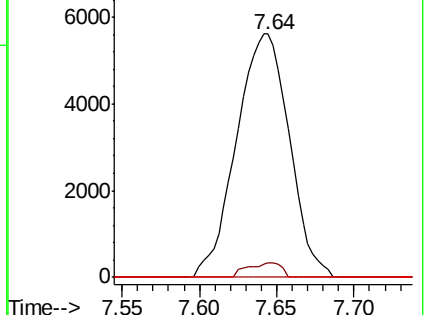
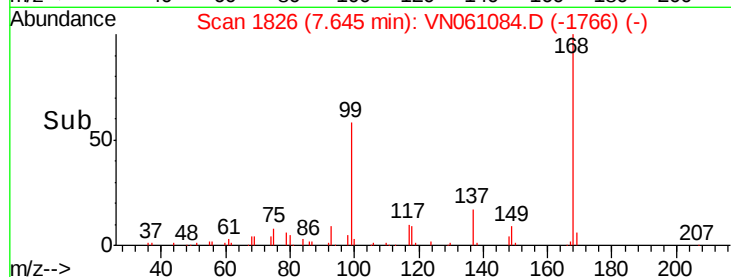
121 0.0 24.0 36.0#



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



#40

Benzene

Concen: 0.602 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. 0.00 min

Lab File: VN061084.D

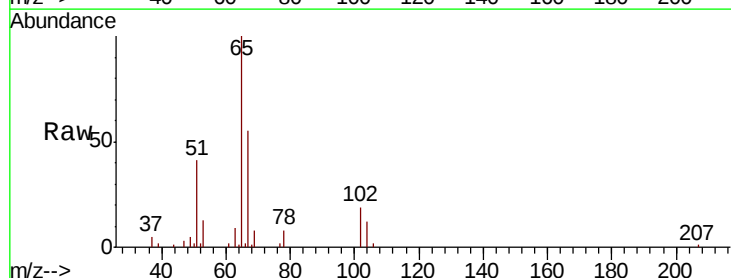
Acq: 18 Apr 2020 4:38

Tgt Ion: 78 Resp: 4345

Ion Ratio Lower Upper

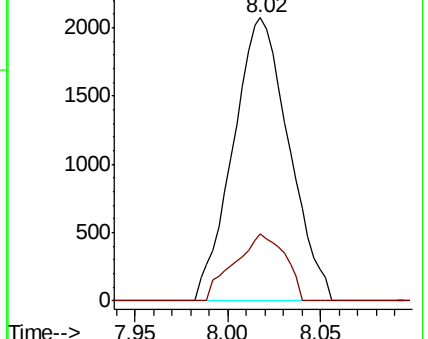
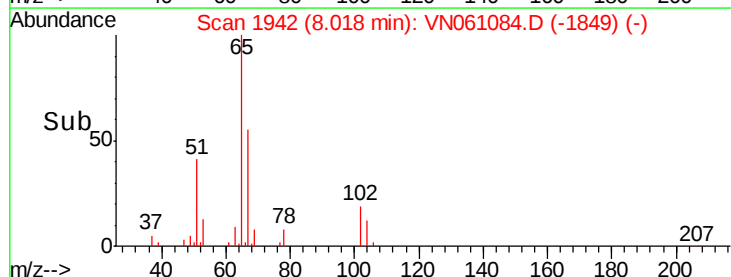
78 100

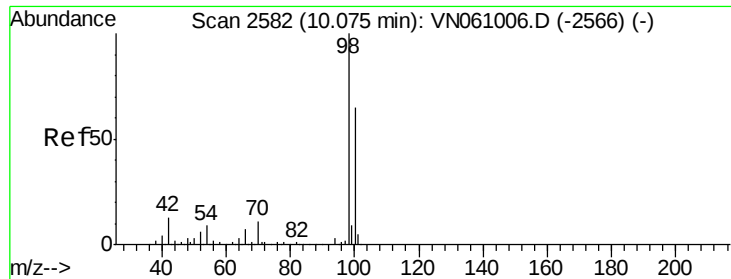
77 23.7 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#50

Toluene-d8

Concen: 56.646 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. 0.00 min

Lab File: VN061084.D

Acq: 18 Apr 2020 4:38

Instrument :

MSVOA_N

ClientSampleId :

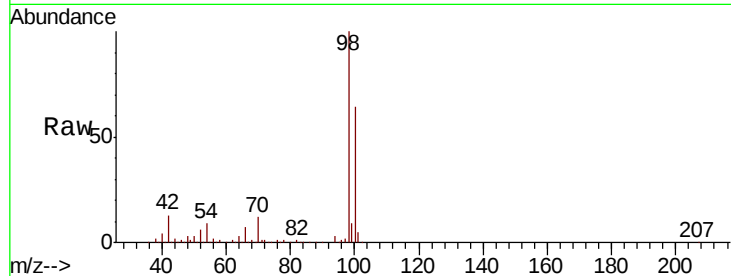
KY074MW067-200415

Tot Ion: 98 Resp: 294493

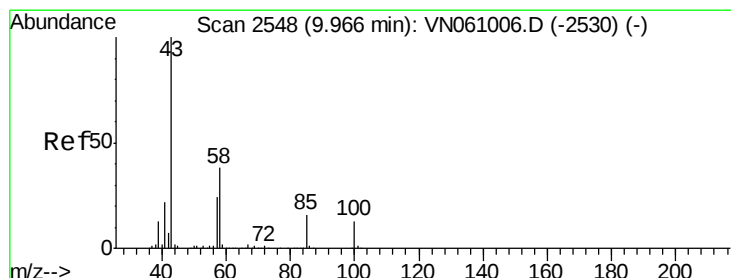
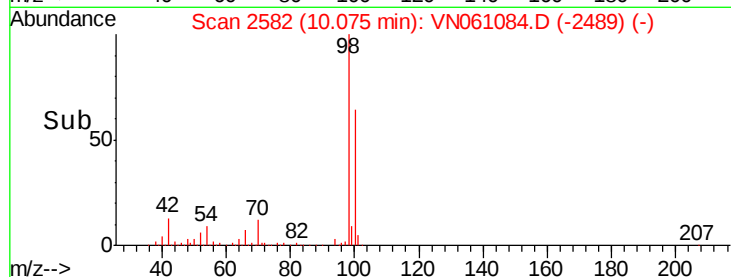
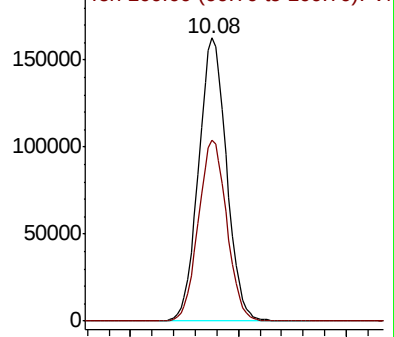
Ion Ratio Lower Upper

98 100

100 64.8 51.9 77.9



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



#51

4-Methyl-2-Pentanone

Concen: 0.619 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. 0.11 min

Lab File: VN061084.D

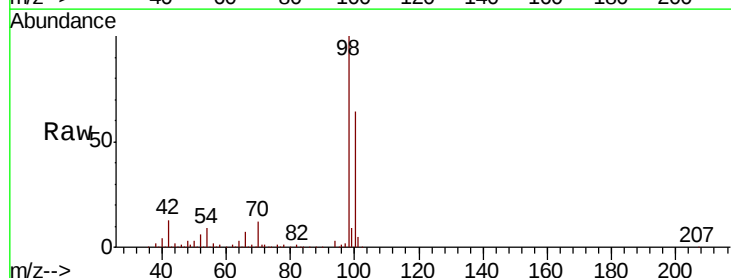
Acq: 18 Apr 2020 4:38

Tgt Ion: 43 Resp: 1531

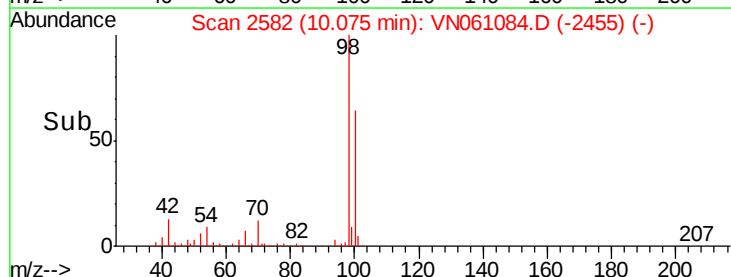
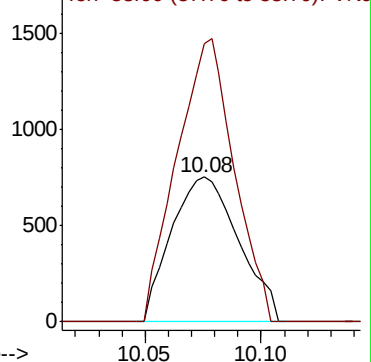
Ion Ratio Lower Upper

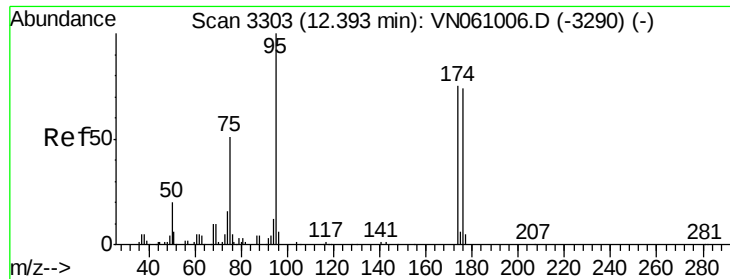
43 100

58 165.8 30.3 45.5#



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

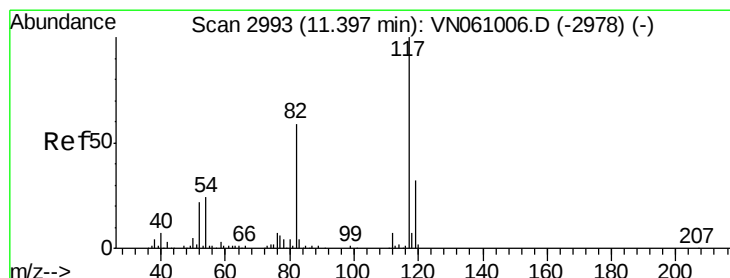
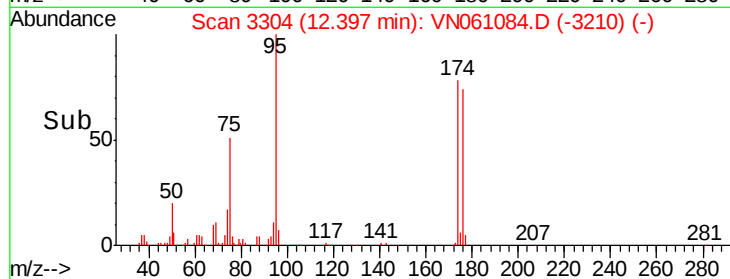
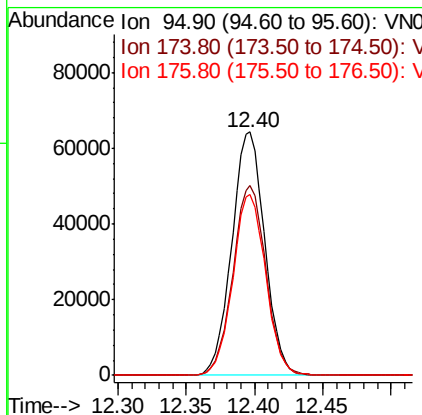
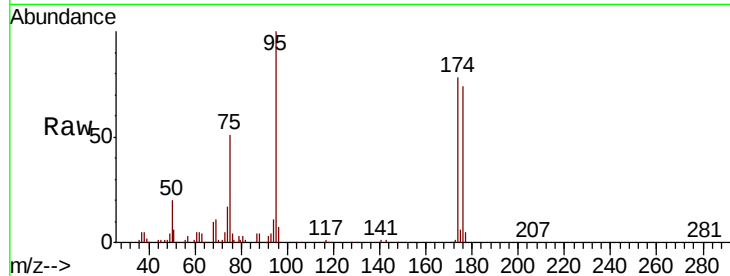




#62
4-Bromofluorobenzene
Concen: 52.911 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN061084.D
Acq: 18 Apr 2020 4:38

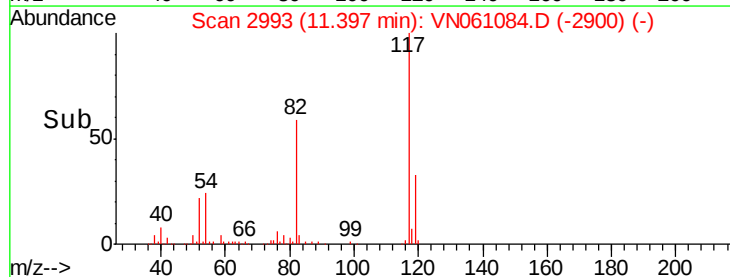
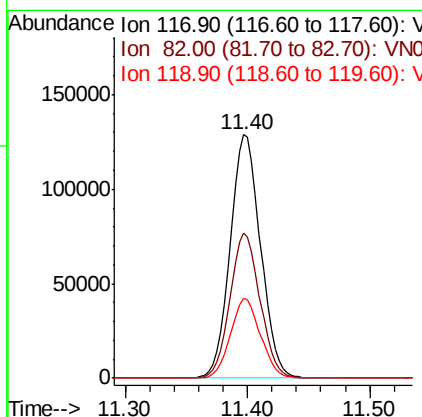
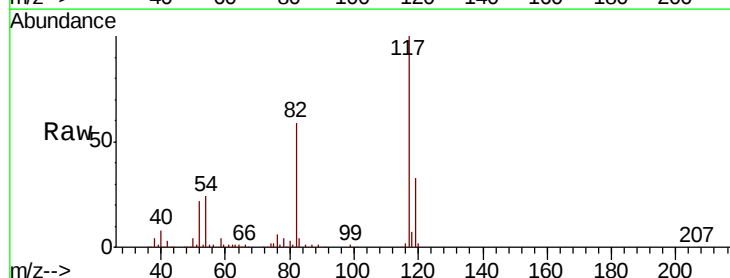
Instrument :
MSVOA_N
ClientSampleId :
KY074MW067-200415

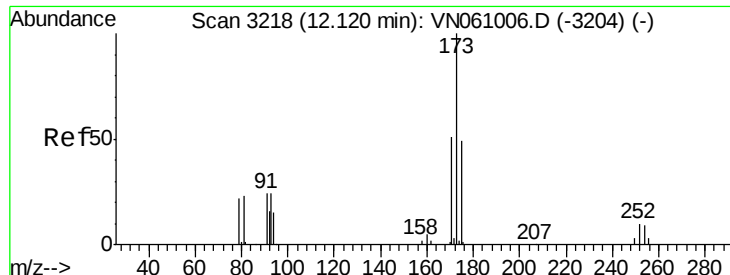
Tot Ion: 95 Resp: 107811
Ion Ratio Lower Upper
95 100
174 78.0 0.0 151.2
176 74.1 0.0 148.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. 0.00 min
Lab File: VN061084.D
Acq: 18 Apr 2020 4:38

Tgt Ion: 117 Resp: 223118
Ion Ratio Lower Upper
117 100
82 59.4 47.1 70.7
119 32.5 25.7 38.5





#71

Bromoform

Concen: 0.335 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.28 min

Lab File: VN061084.D

Acq: 18 Apr 2020 4:38

Instrument :

MSVOA_N

ClientSampleId :

KY074MW067-200415

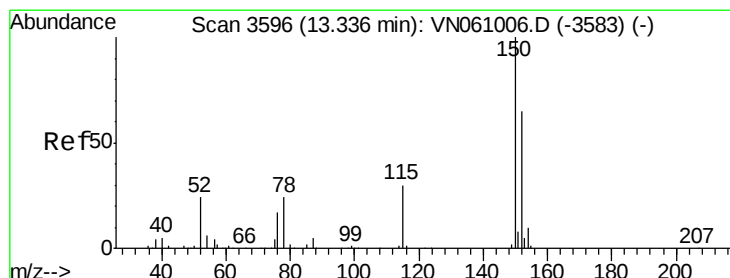
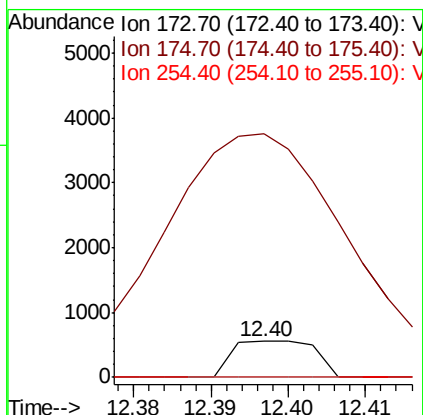
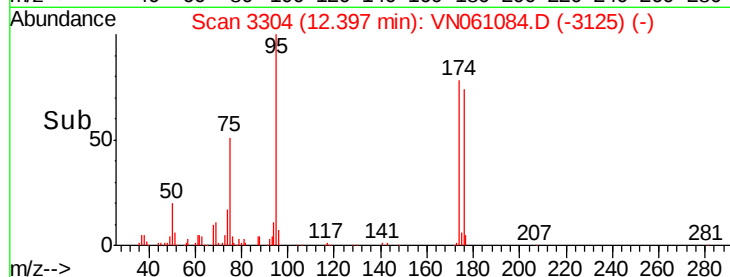
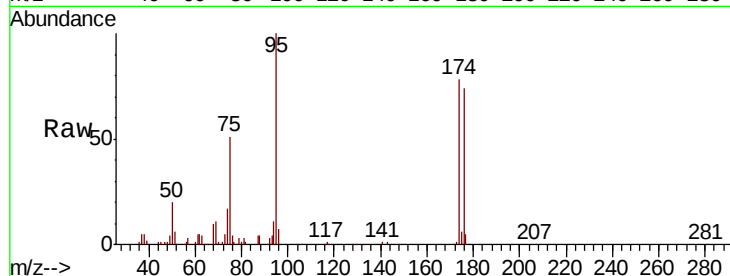
Tot Ion:173 Resp: 412

Ion Ratio Lower Upper

173 100

175 1336.2 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: VN061084.D

Acq: 18 Apr 2020 4:38

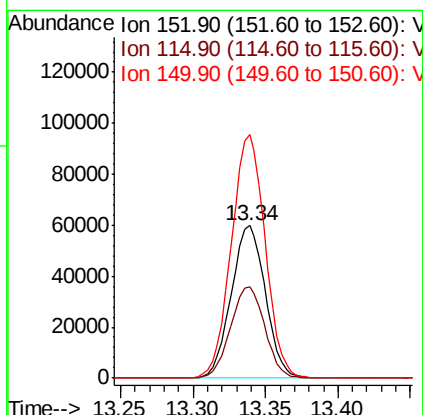
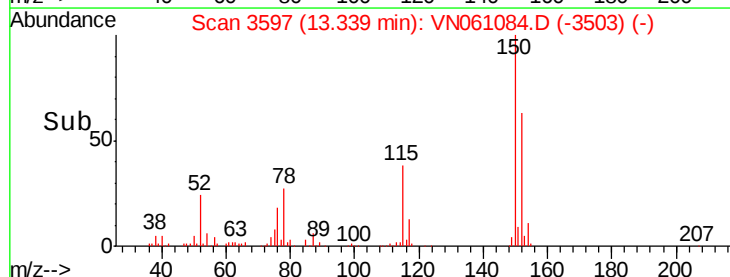
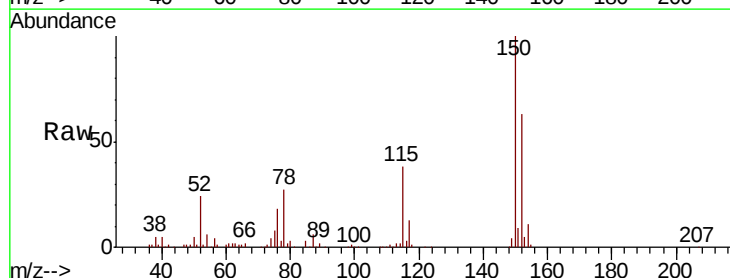
Tgt Ion:152 Resp: 97997

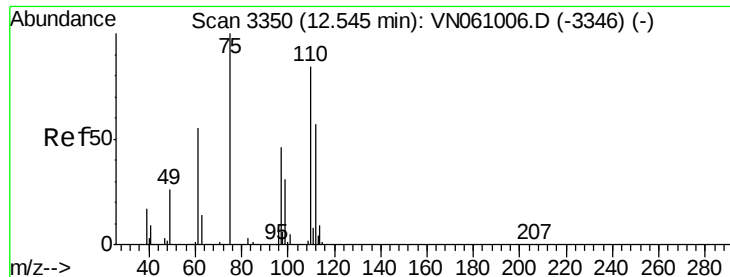
Ion Ratio Lower Upper

152 100

115 59.9 30.8 92.4

150 157.9 0.0 349.0

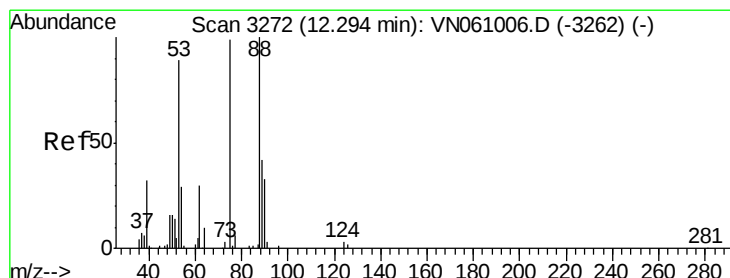
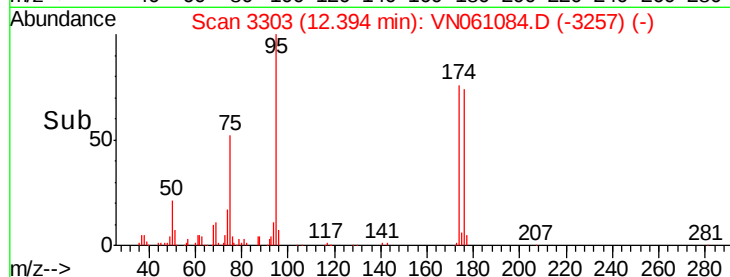
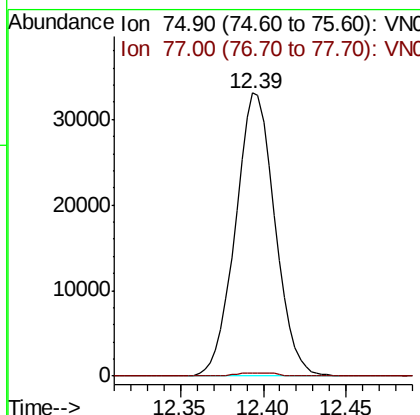
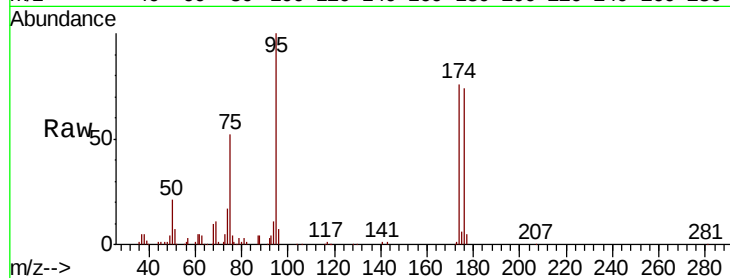




#76
 1,2,3-Trichloropropane
 Concen: 25.408 ug/l
 RT: 12.39 min Scan# 3303
 Delta R.T. -0.15 min
 Lab File: VN061084.D
 Acq: 18 Apr 2020 4:38

Instrument :
 MSVOA_N
 ClientSampleId :
 KY074MW067-200415

Tot Ion: 75 Resp: 54767
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.670 ug/l
 RT: 12.39 min Scan# 3303
 Delta R.T. 0.10 min
 Lab File: VN061084.D
 Acq: 18 Apr 2020 4:38

Tgt Ion: 75 Resp: 54767
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.7 112.1#
 89 0.0 34.6 52.0#

