

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041720\
 Data File : VN061083.D
 Acq On : 18 Apr 2020 4:15
 Operator : JC/MD
 Sample : L2334-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 KY074MW061-200415

Quant Time: Apr 20 01:42:08 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	144574	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	248893	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	235987	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	103966	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	100438	54.30	ug/l	0.00
Spiked Amount			Recovery	=	108.60%	
35) Dibromofluoromethane	7.56	113	75894	52.21	ug/l	0.00
Spiked Amount			Recovery	=	104.42%	
50) Toluene-d8	10.08	98	308073	56.09	ug/l	0.00
Spiked Amount			Recovery	=	112.18%	
62) 4-Bromofluorobenzene	12.39	95	113891	52.91	ug/l	0.00
Spiked Amount			Recovery	=	105.82%	

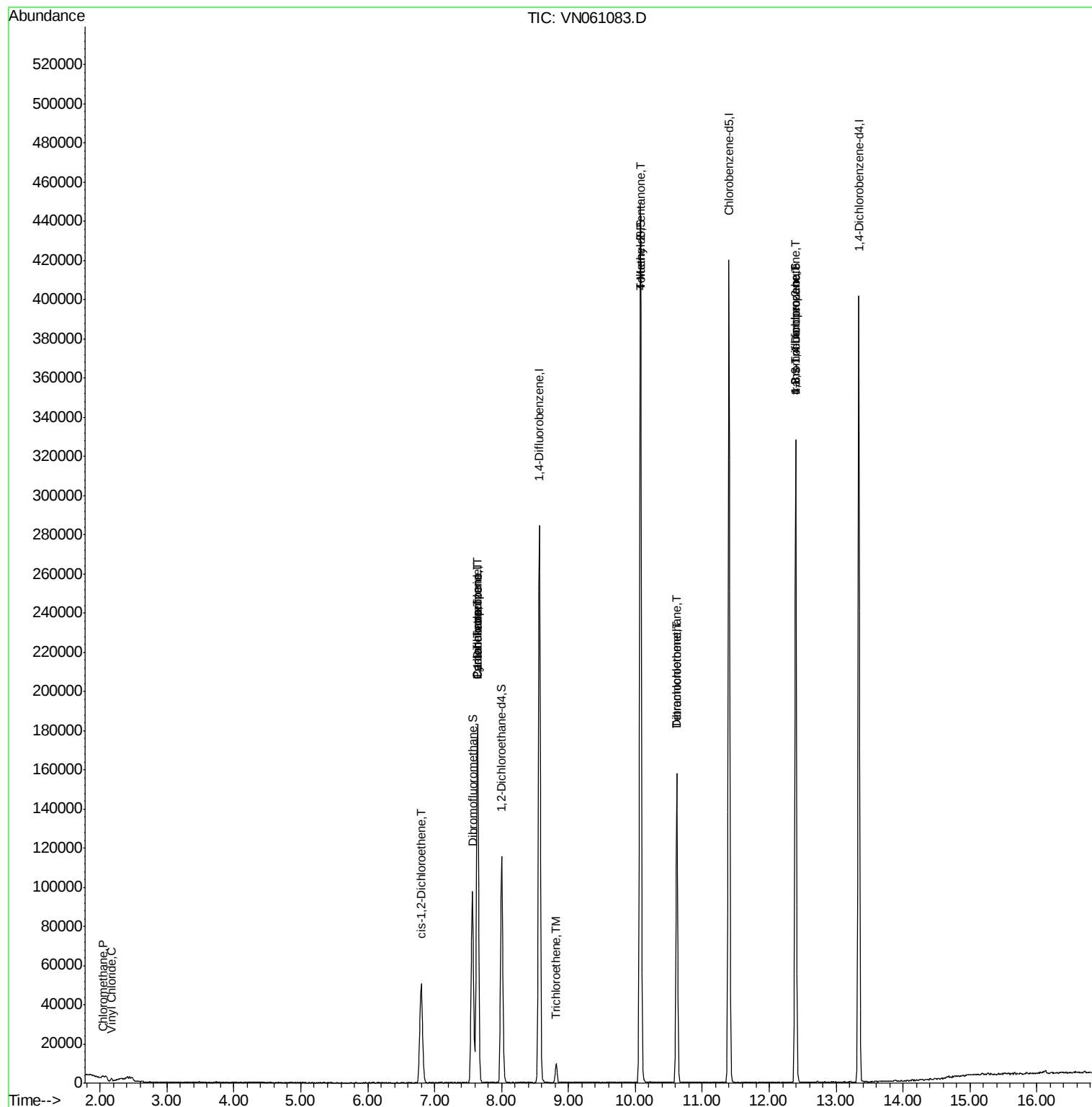
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	603	0.235	ug/l	92
4) Vinyl Chloride	2.17	62	1488	0.698	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	34225	17.617	ug/l	88
31) Cyclohexane	7.64	56	3150	0.914	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	11773	4.584	ug/l #	48
38) Carbon Tetrachloride	7.64	117	14327	6.702	ug/l #	15
44) Trichloroethene	8.81	130	3841	2.006	ug/l	89
51) 4-Methyl-2-Pentanone	10.07	43	1501	0.574	ug/l #	1
60) Dibromochloromethane	10.62	129	33417	18.806	ug/l #	10
64) Tetrachloroethene	10.62	164	36436	20.177	ug/l	98
76) 1,2,3-Trichloropropane	12.39	75	58588	25.620	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.39	75	58588	63.193	ug/l #	12

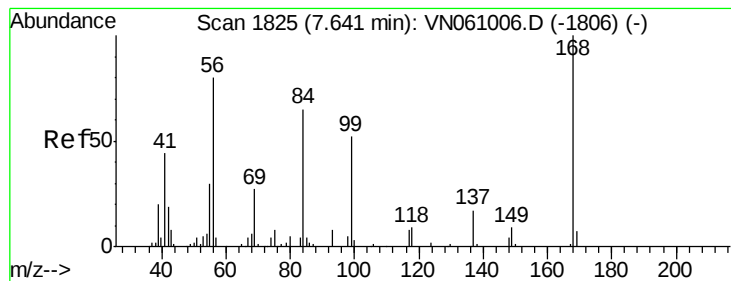
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 20 01:42:08 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
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: VN061083.D

Acq: 18 Apr 2020 4:15

Instrument :

MSVOA_N

ClientSampleId :

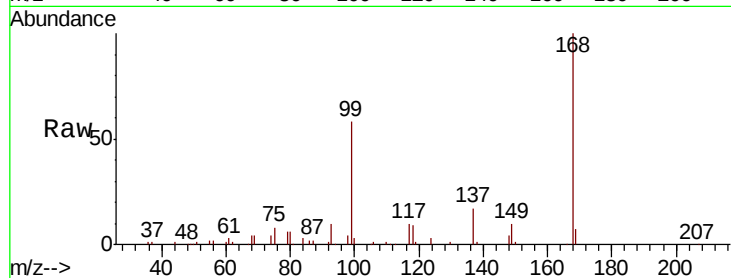
KY074MW061-200415

Tot Ion:168 Resp: 144574

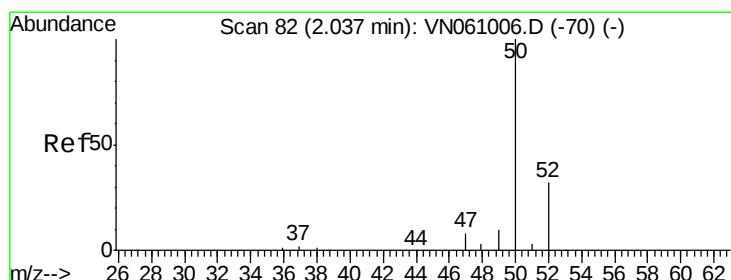
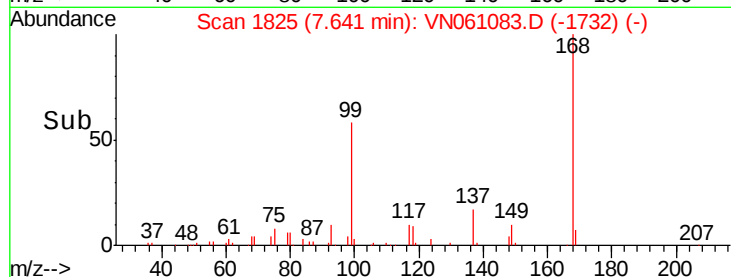
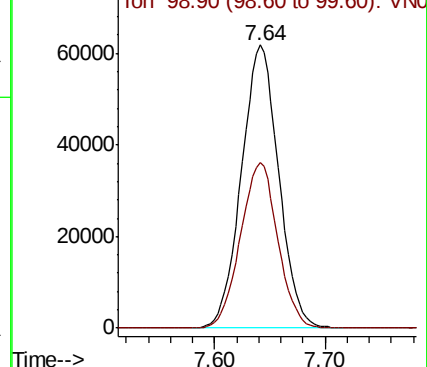
Ion Ratio Lower Upper

168 100

99 58.5 47.4 71.2



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



#3

Chloromethane

Concen: 0.235 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN061083.D

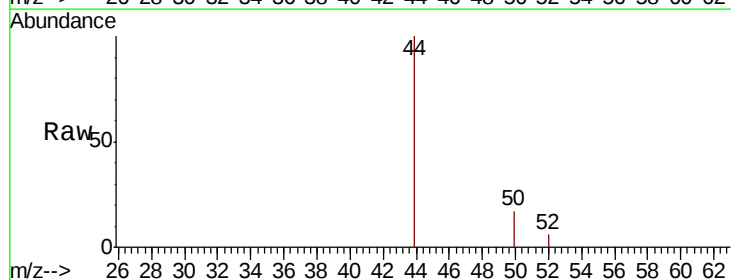
Acq: 18 Apr 2020 4:15

Tgt Ion: 50 Resp: 603

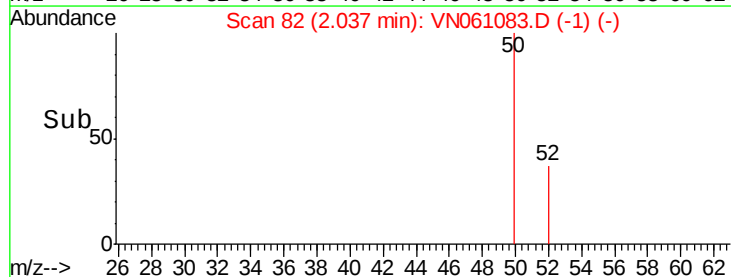
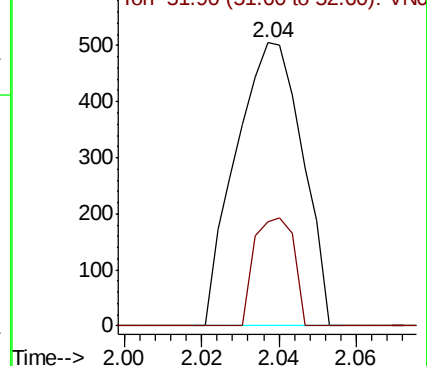
Ion Ratio Lower Upper

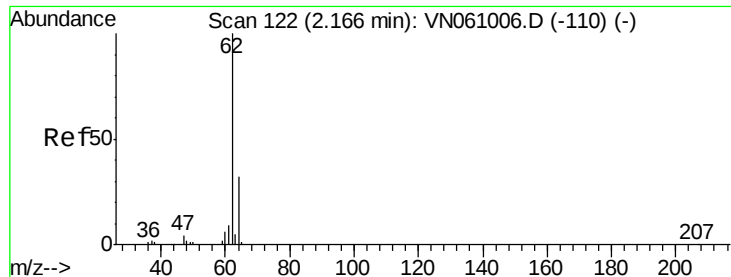
50 100

52 36.6 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VN061006.D (-70) (-)





#4

Vinyl Chloride

Concen: 0.698 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN061083.D

Acq: 18 Apr 2020 4:15

Instrument :

MSVOA_N

ClientSampleId :

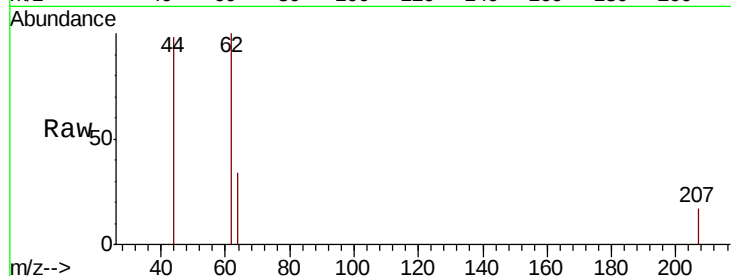
KY074MW061-200415

Tot Ion: 62 Resp: 1488

Ion Ratio Lower Upper

62 100

64 34.1 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VN061006.D (-110) (-)

Ion 63.90 (63.60 to 64.60): VN061006.D (-110) (-)

2.17

1200

1000

800

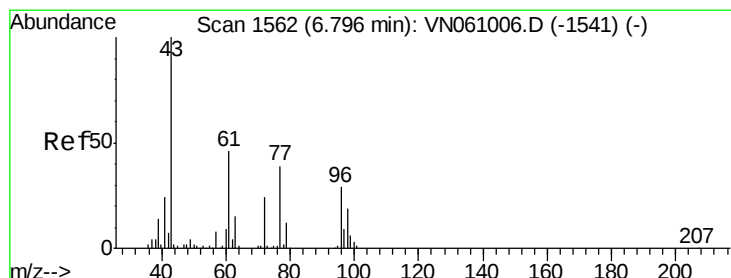
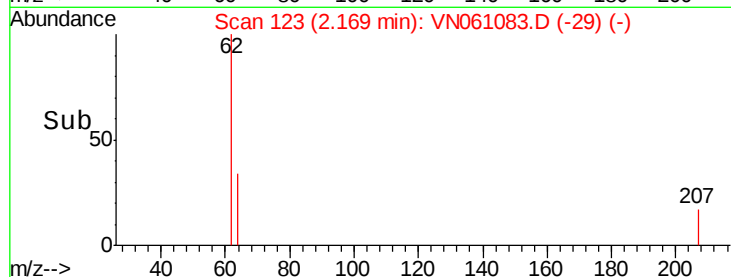
600

400

200

0

Time--> 2.12 2.14 2.16 2.18 2.20



#27

cis-1,2-Dichloroethene

Concen: 17.617 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN061083.D

Acq: 18 Apr 2020 4:15

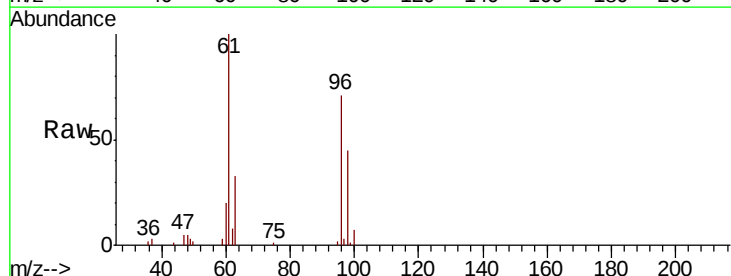
Tgt Ion: 96 Resp: 34225

Ion Ratio Lower Upper

96 100

61 137.2 0.0 317.4

98 63.2 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) (-)

20000

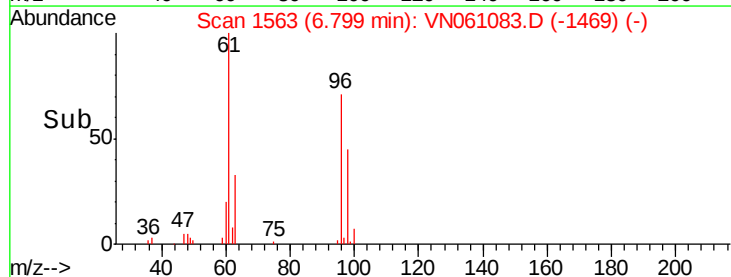
15000

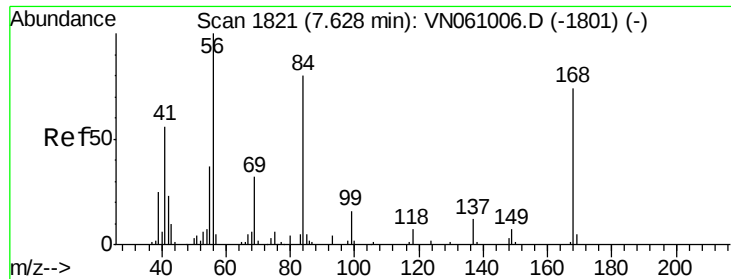
10000

5000

0

Time--> 6.70 6.80 6.90

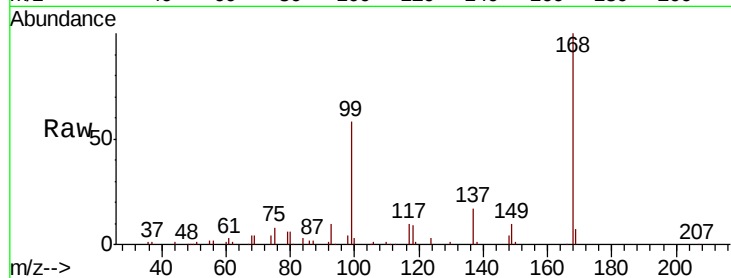




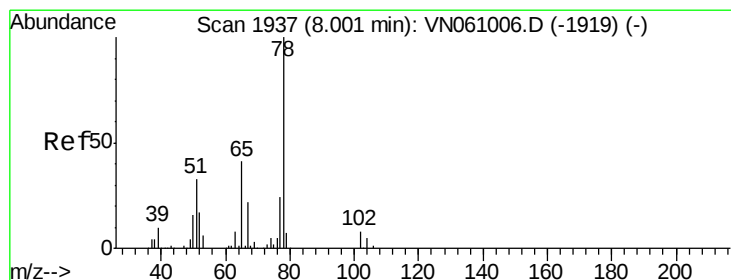
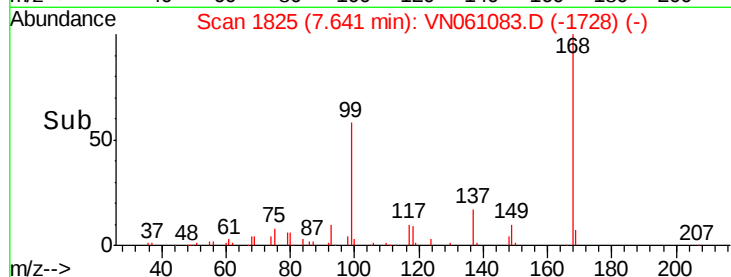
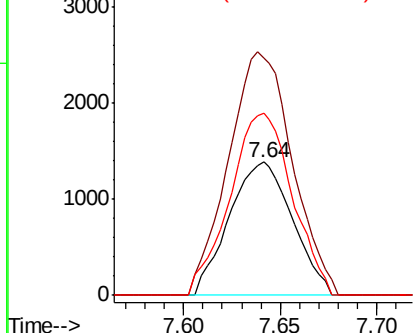
#31
Cvclohexane
Concen: 0.914 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN061083.D
Acq: 18 Apr 2020 4:15

Instrument :
MSVOA_N
ClientSampleId :
KY074MW061-200415

Tot Ion: 56 Resp: 3150
Ion Ratio Lower Upper
56 100
69 178.3 25.6 38.4#
84 136.9 63.4 95.2#

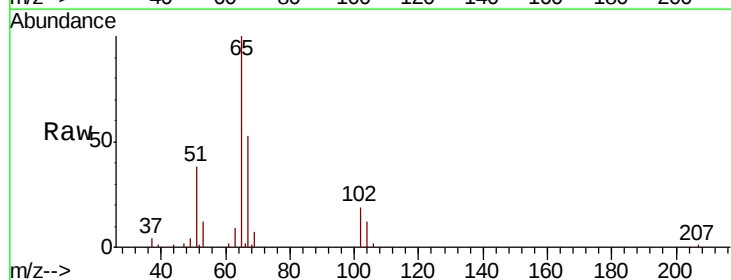


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

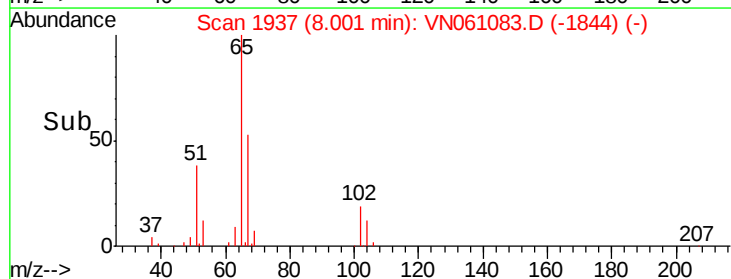
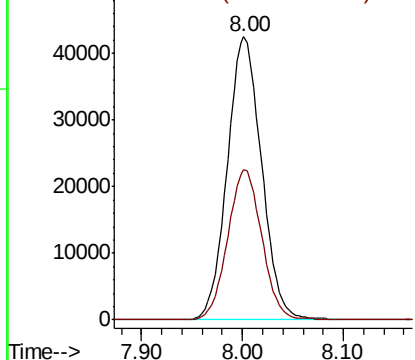


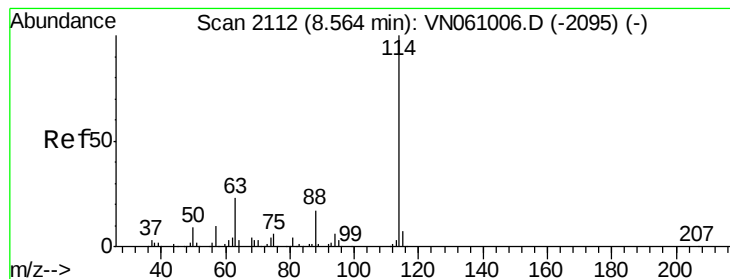
#33
1,2-Dichloroethane-d4
Concen: 54.299 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN061083.D
Acq: 18 Apr 2020 4:15

Tgt Ion: 65 Resp: 100438
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: VN061083.D

Acq: 18 Apr 2020 4:15

Instrument :

MSVOA_N

ClientSampleId :

KY074MW061-200415

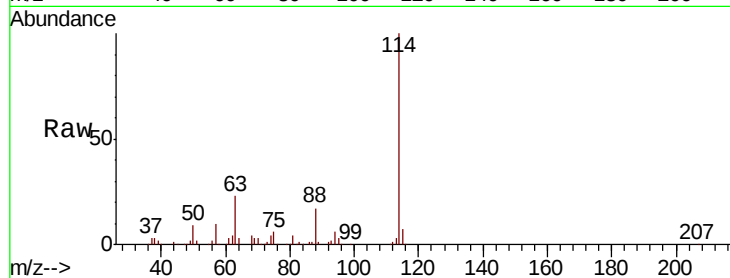
Tot Ion:114 Resp: 248893

Ion Ratio Lower Upper

114 100

63 22.8 0.0 46.2

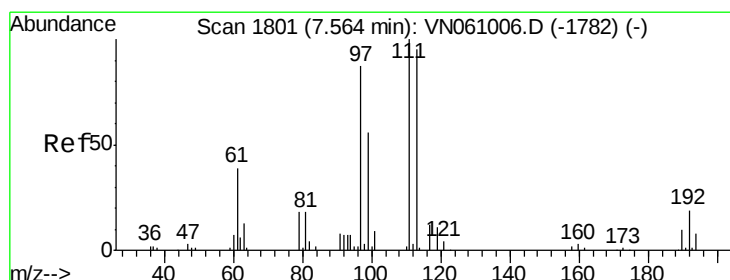
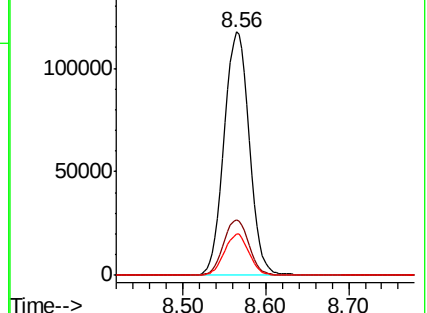
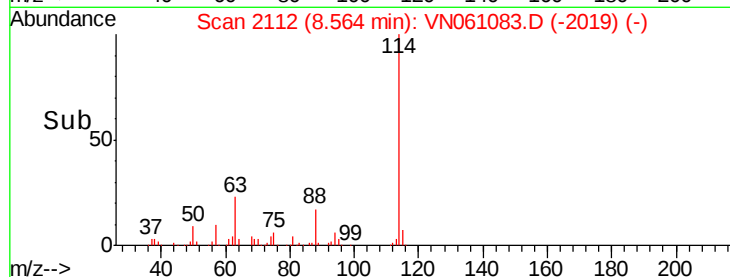
88 16.9 0.0 33.4



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: 52.215 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN061083.D

Acq: 18 Apr 2020 4:15

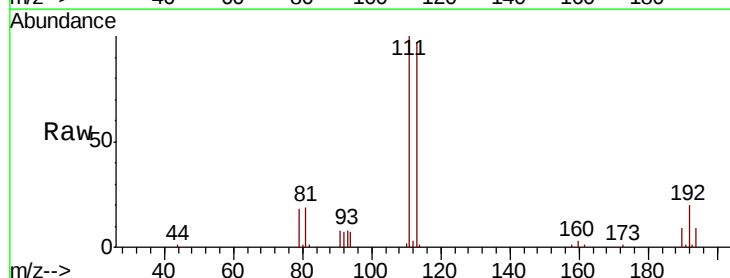
Tgt Ion:113 Resp: 75894

Ion Ratio Lower Upper

113 100

111 102.3 83.4 125.2

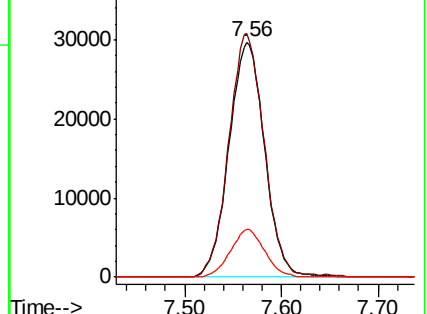
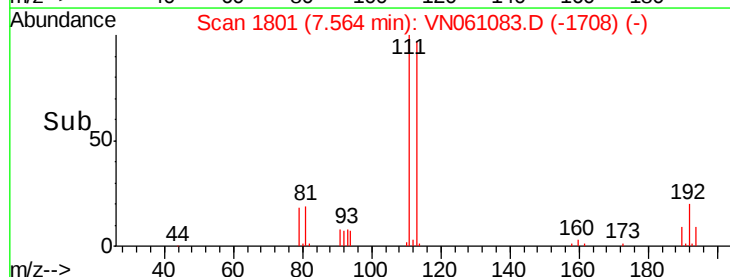
192 19.4 15.5 23.3

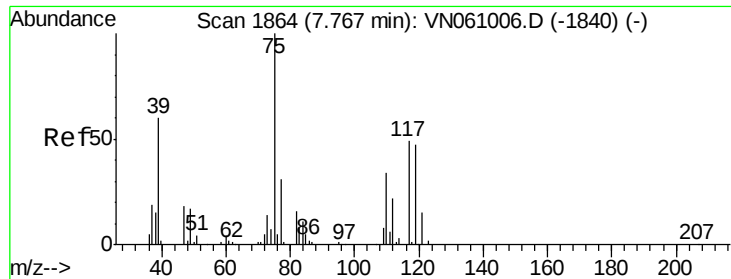


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

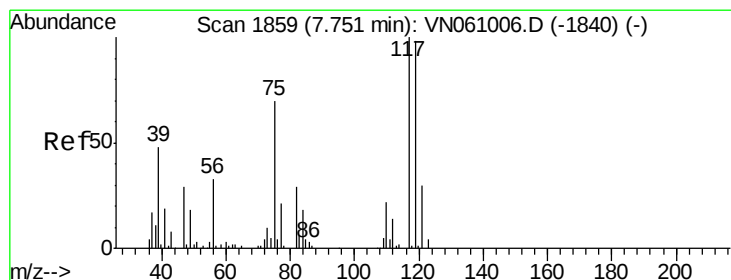
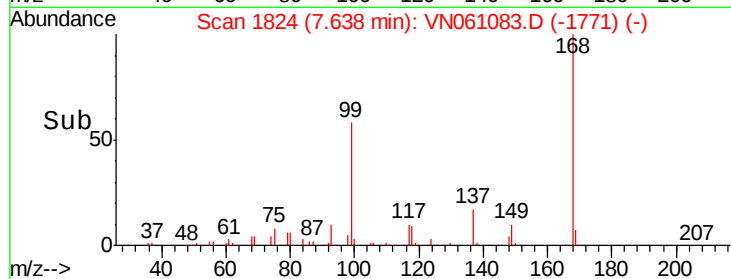
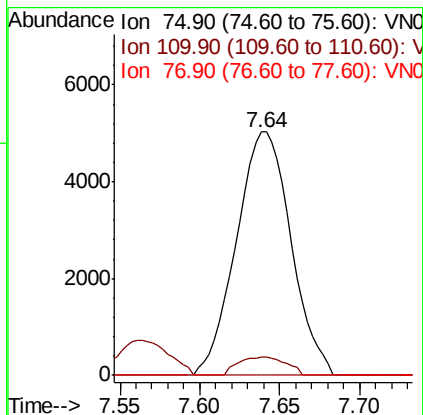
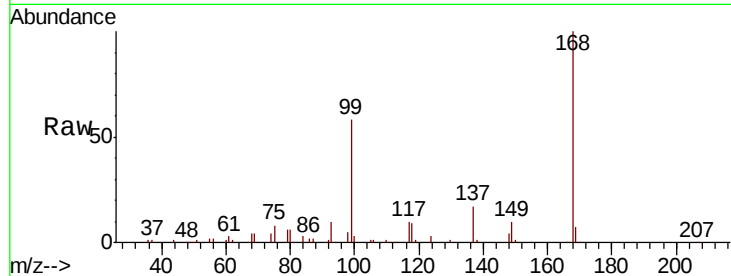




#36
 1,1-Dichloropropene
 Concen: 4.584 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN061083.D
 Acq: 18 Apr 2020 4:15

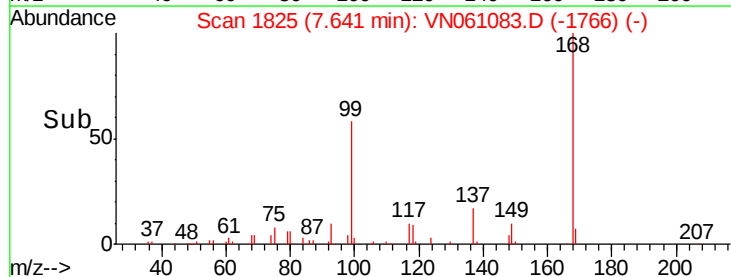
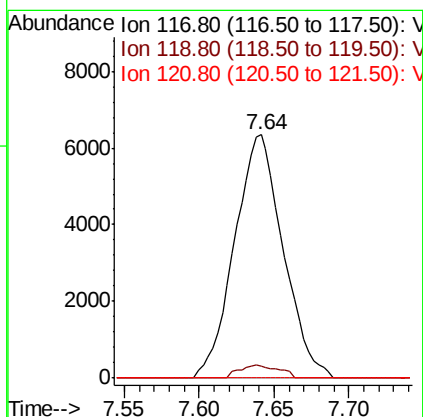
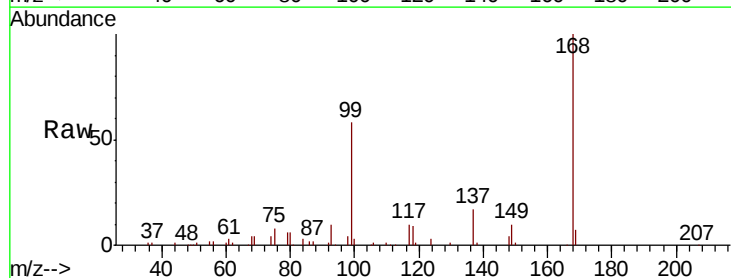
Instrument :
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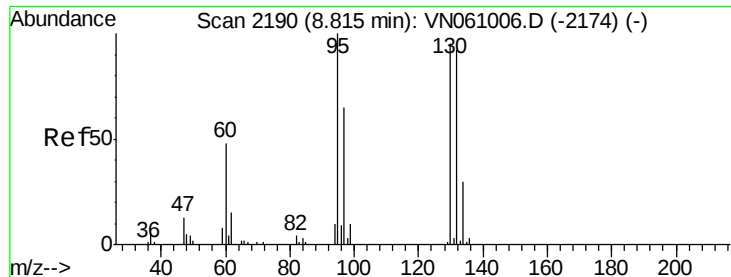
Tot Ion: 75 Resp: 11773
 Ion Ratio Lower Upper
 75 100
 110 6.6 16.8 50.3#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.702 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN061083.D
 Acq: 18 Apr 2020 4:15

Tgt Ion: 117 Resp: 14327
 Ion Ratio Lower Upper
 117 100
 119 4.9 78.1 117.1#
 121 0.0 24.0 36.0#





#44

Trichloroethene

Concen: 2.006 ug/l

RT: 8.81 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VN061083.D

Acq: 18 Apr 2020 4:15

Instrument :

MSVOA_N

ClientSampleId :

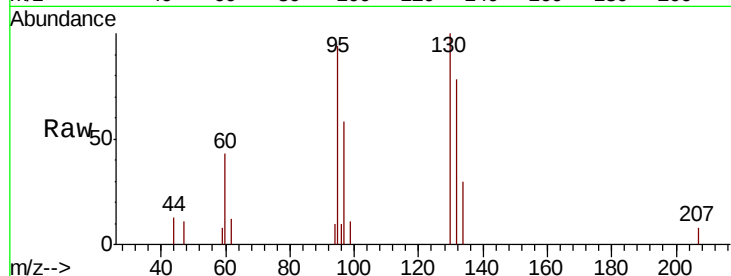
KY074MW061-200415

Tot Ion:130 Resp: 3841

Ion Ratio Lower Upper

130 100

95 94.0 0.0 210.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN

8.81

2000

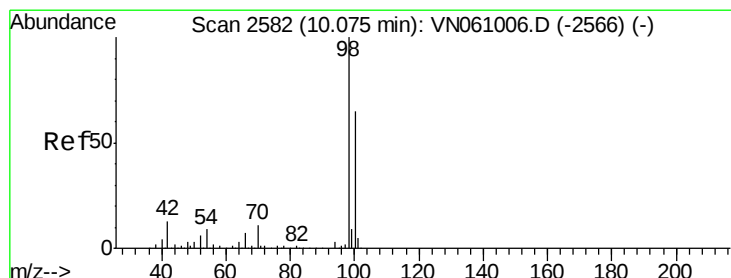
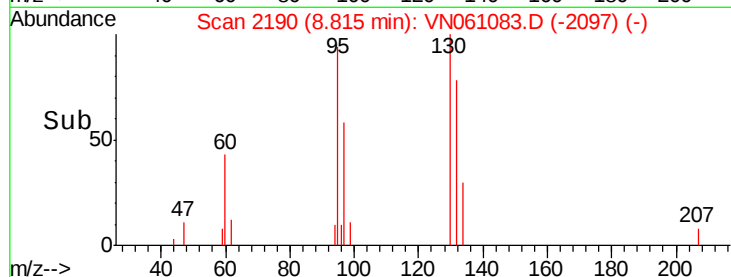
1500

1000

500

0

Time--> 8.75 8.80 8.85



#50

Toluene-d8

Concen: 56.090 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. 0.00 min

Lab File: VN061083.D

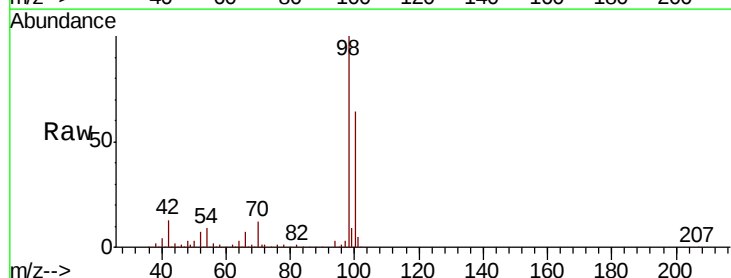
Acq: 18 Apr 2020 4:15

Tgt Ion: 98 Resp: 308073

Ion Ratio Lower Upper

98 100

100 64.3 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

10.08

200000

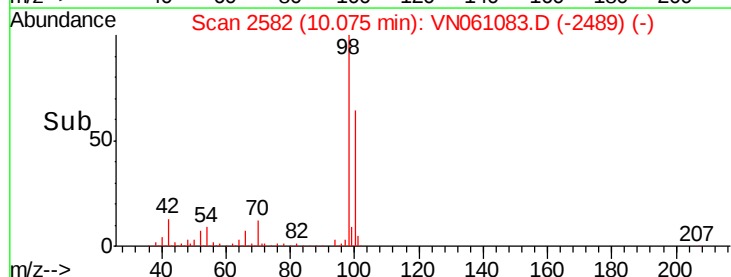
150000

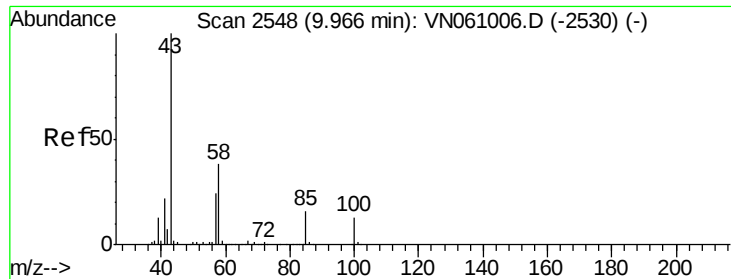
100000

50000

0

Time--> 10.00 10.10 10.20





#51

4-Methyl-2-Pentanone

Concen: 0.574 ug/l

RT: 10.07 min Scan# 2581

Delta R.T. 0.11 min

Lab File: VN061083.D

Acq: 18 Apr 2020 4:15

Instrument :

MSVOA_N

ClientSampleId :

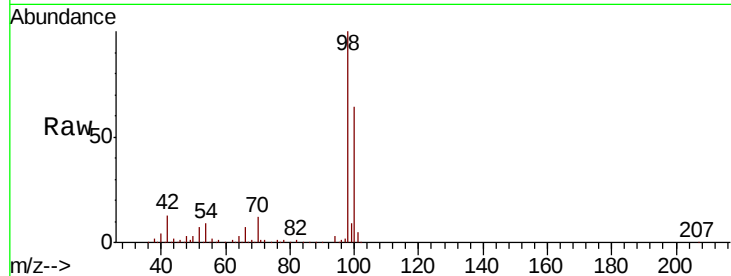
KY074MW061-200415

Tot Ion: 43 Resp: 1501

Ion Ratio Lower Upper

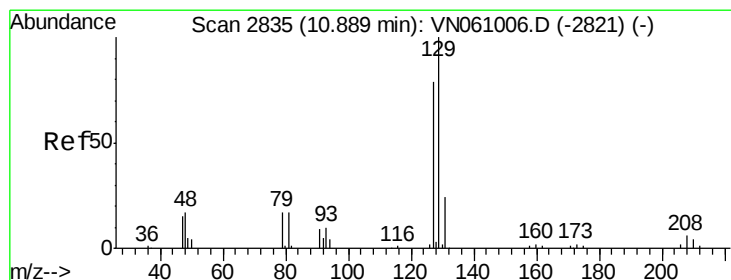
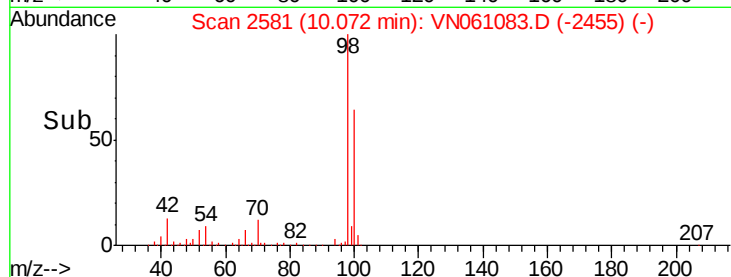
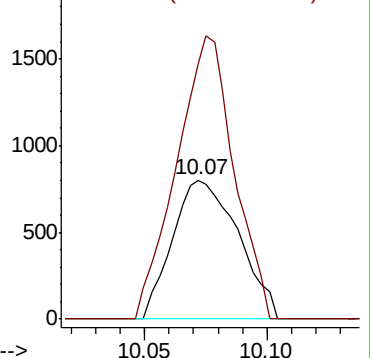
43 100

58 177.3 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: 18.806 ug/l

RT: 10.62 min Scan# 2751

Delta R.T. -0.27 min

Lab File: VN061083.D

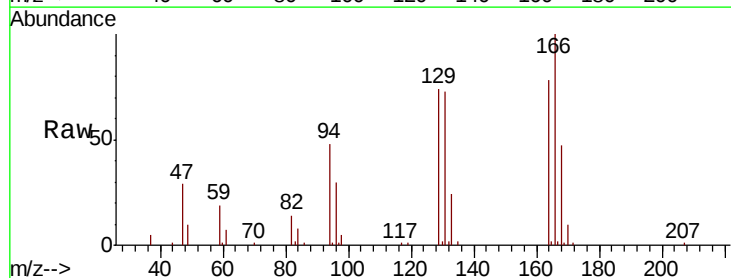
Acq: 18 Apr 2020 4:15

Tgt Ion: 129 Resp: 33417

Ion Ratio Lower Upper

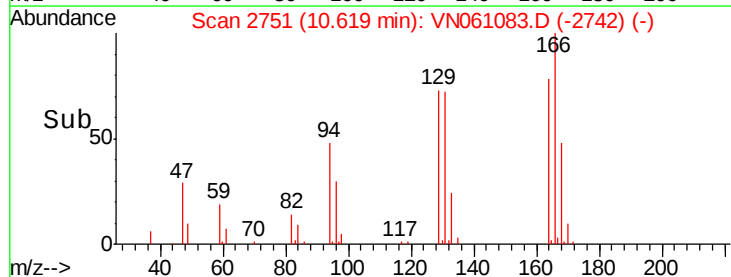
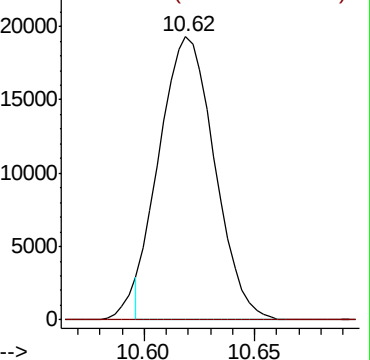
129 100

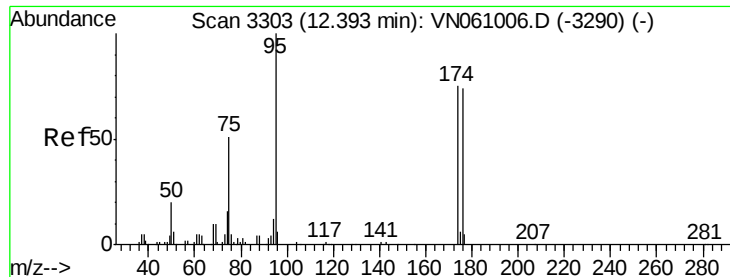
127 0.0 39.0 116.9#



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: 52.907 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.00 min

Lab File: VN061083.D

Acq: 18 Apr 2020 4:15

Instrument :

MSVOA_N

ClientSampleId :

KY074MW061-200415

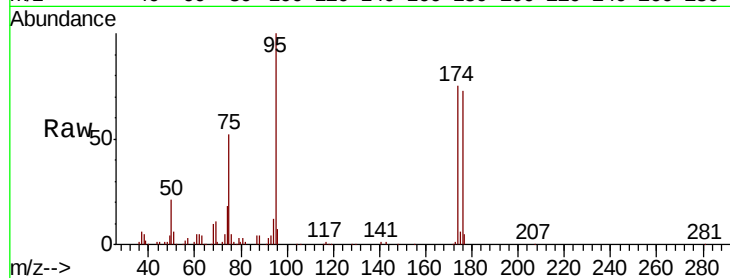
Tot Ion: 95 Resp: 113891

Ion Ratio Lower Upper

95 100

174 76.8 0.0 151.2

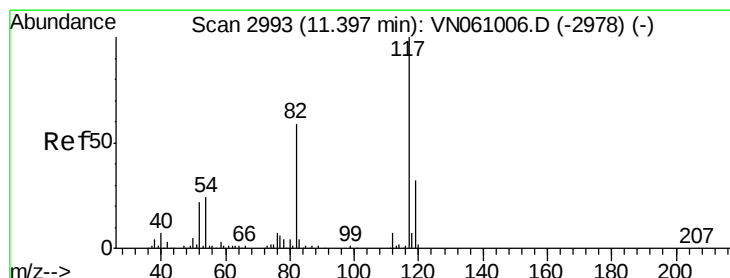
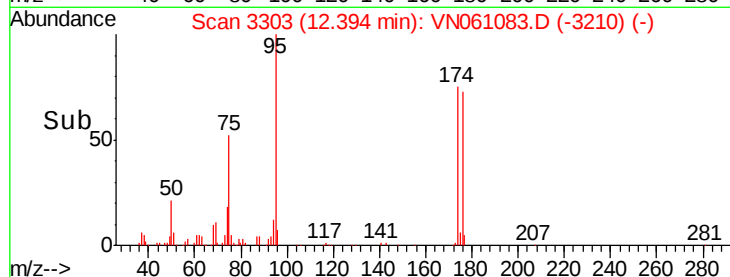
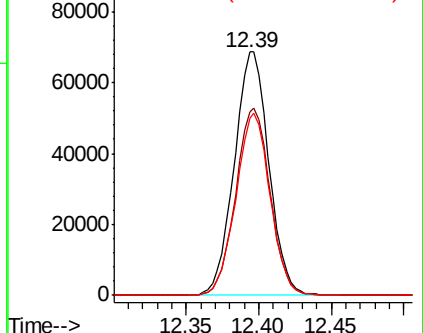
176 73.8 0.0 148.2



Abundance Ion 94.90 (94.60 to 95.60): VN061083.D (-3210) (-)

Ion 173.80 (173.50 to 174.50): VN061083.D (-3210) (-)

Ion 175.80 (175.50 to 176.50): VN061083.D (-3210) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2993

Delta R.T. 0.00 min

Lab File: VN061083.D

Acq: 18 Apr 2020 4:15

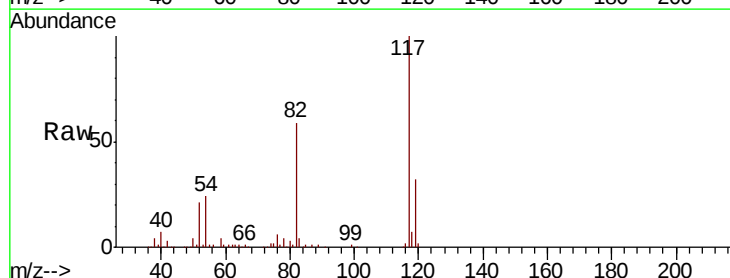
Tgt Ion: 117 Resp: 235987

Ion Ratio Lower Upper

117 100

82 58.6 47.1 70.7

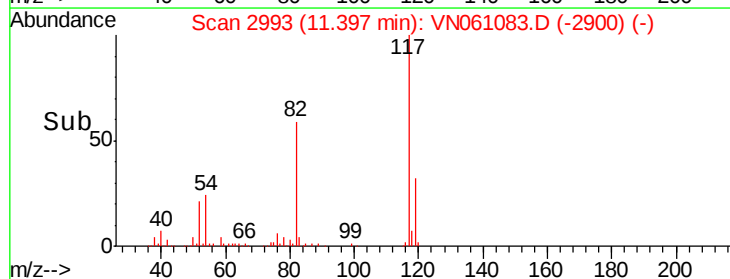
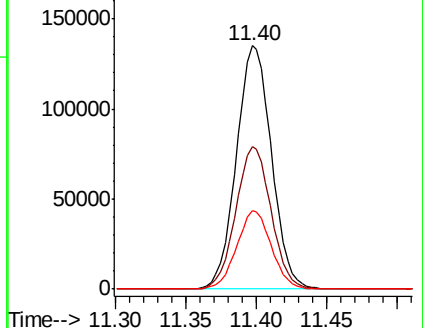
119 32.2 25.7 38.5

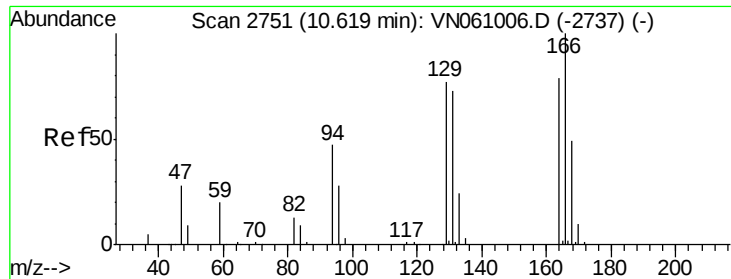


Abundance Ion 116.90 (116.60 to 117.60): VN061083.D (-2900) (-)

Ion 82.00 (81.70 to 82.70): VN061083.D (-2900) (-)

Ion 118.90 (118.60 to 119.60): VN061083.D (-2900) (-)





#64

Tetrachloroethene

Concen: 20.177 ug/l

RT: 10.62 min Scan# 2751

Delta R.T. 0.00 min

Lab File: VN061083.D

Acq: 18 Apr 2020 4:15

Instrument :

MSVOA_N

ClientSampleId :

KY074MW061-200415

Tot Ion:164 Resp: 36436

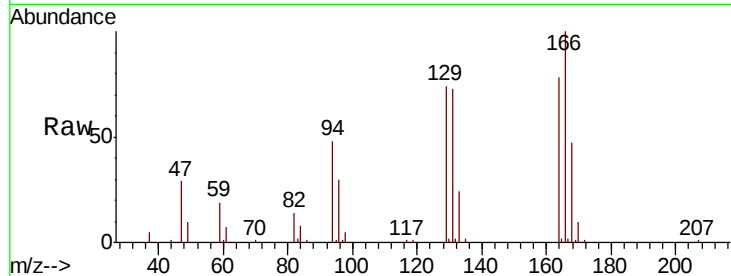
Ion Ratio Lower Upper

164 100

166 128.3 101.6 152.4

129 94.6 78.5 117.7

131 93.2 74.3 111.5



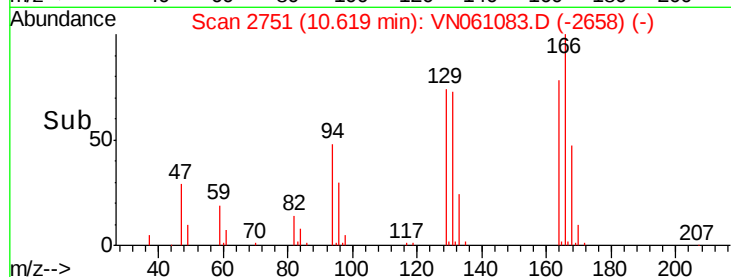
Abundance Ion 163.80 (163.50 to 164.50): V

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

Time-->



Abundance

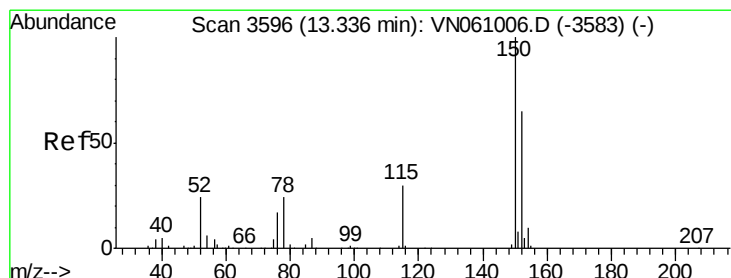
Ion 163.80 (163.50 to 164.50): V

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

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN061083.D

Acq: 18 Apr 2020 4:15

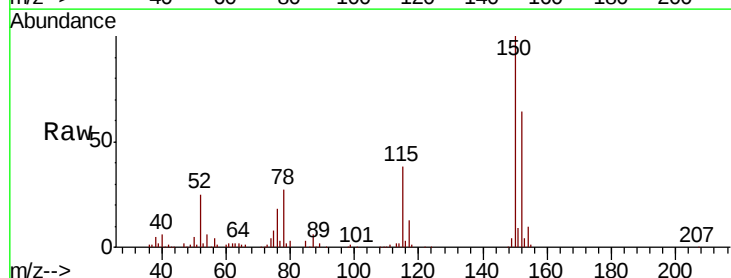
Tgt Ion:152 Resp: 103966

Ion Ratio Lower Upper

152 100

115 60.4 30.8 92.4

150 155.4 0.0 349.0

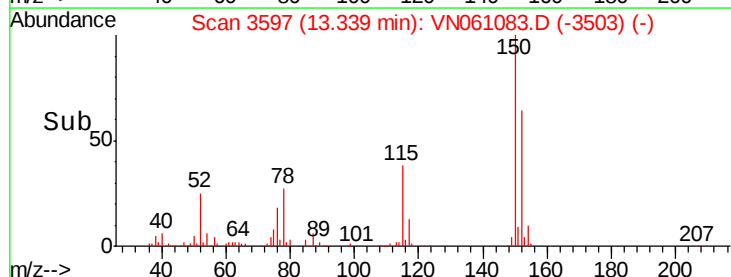


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

Time-->



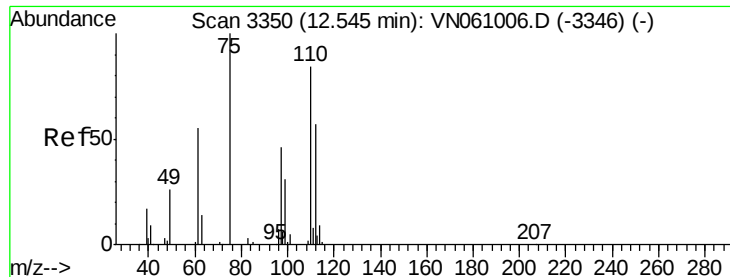
Abundance

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

Time-->



#76

1,2,3-Trichloropropane

Concen: 25.620 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.15 min

Lab File: VN061083.D

Acq: 18 Apr 2020 4:15

Instrument :

MSVOA_N

ClientSampleId :

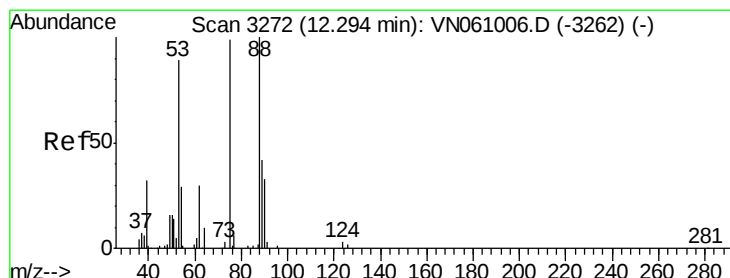
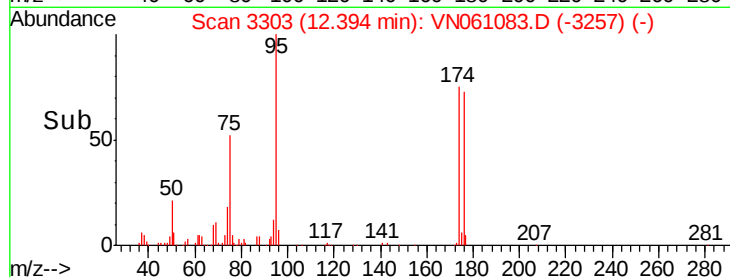
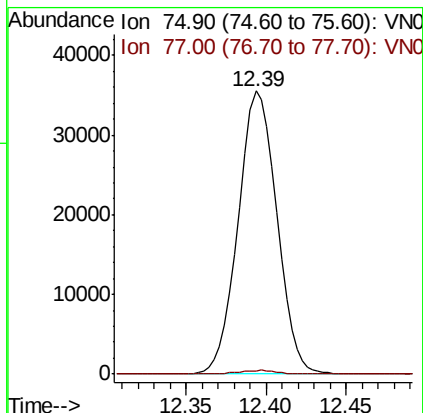
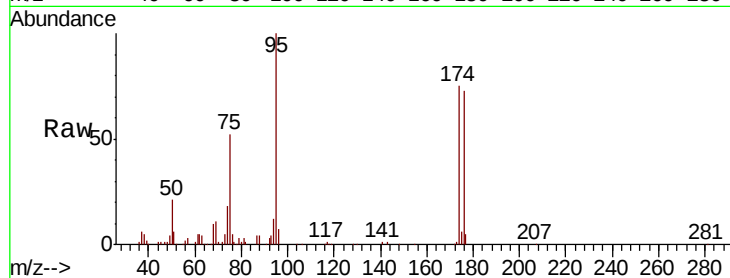
KY074MW061-200415

Tot Ion: 75 Resp: 58588

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.193 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.10 min

Lab File: VN061083.D

Acq: 18 Apr 2020 4:15

Tgt Ion: 75 Resp: 58588

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.0 34.6 52.0#

