

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY071420\
 Data File : VY003191.D
 Acq On : 14 Jul 2020 13:21
 Operator : SY/MD
 Sample : L3287-02
 Misc : 4.91G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 FK-GF-03-012-A

Quant Time: Jul 15 04:13:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 13:18:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	403233	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	611336	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	545747	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	258276	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	204925	60.21	ug/l	0.00
Spiked Amount			Recovery	=	120.42%	
35) Dibromofluoromethane	7.72	113	190904	54.26	ug/l	0.00
Spiked Amount			Recovery	=	108.52%	
50) Toluene-d8	10.18	98	729032	55.74	ug/l	0.00
Spiked Amount			Recovery	=	111.48%	
62) 4-Bromofluorobenzene	12.48	95	234916	49.72	ug/l	0.00
Spiked Amount			Recovery	=	99.44%	

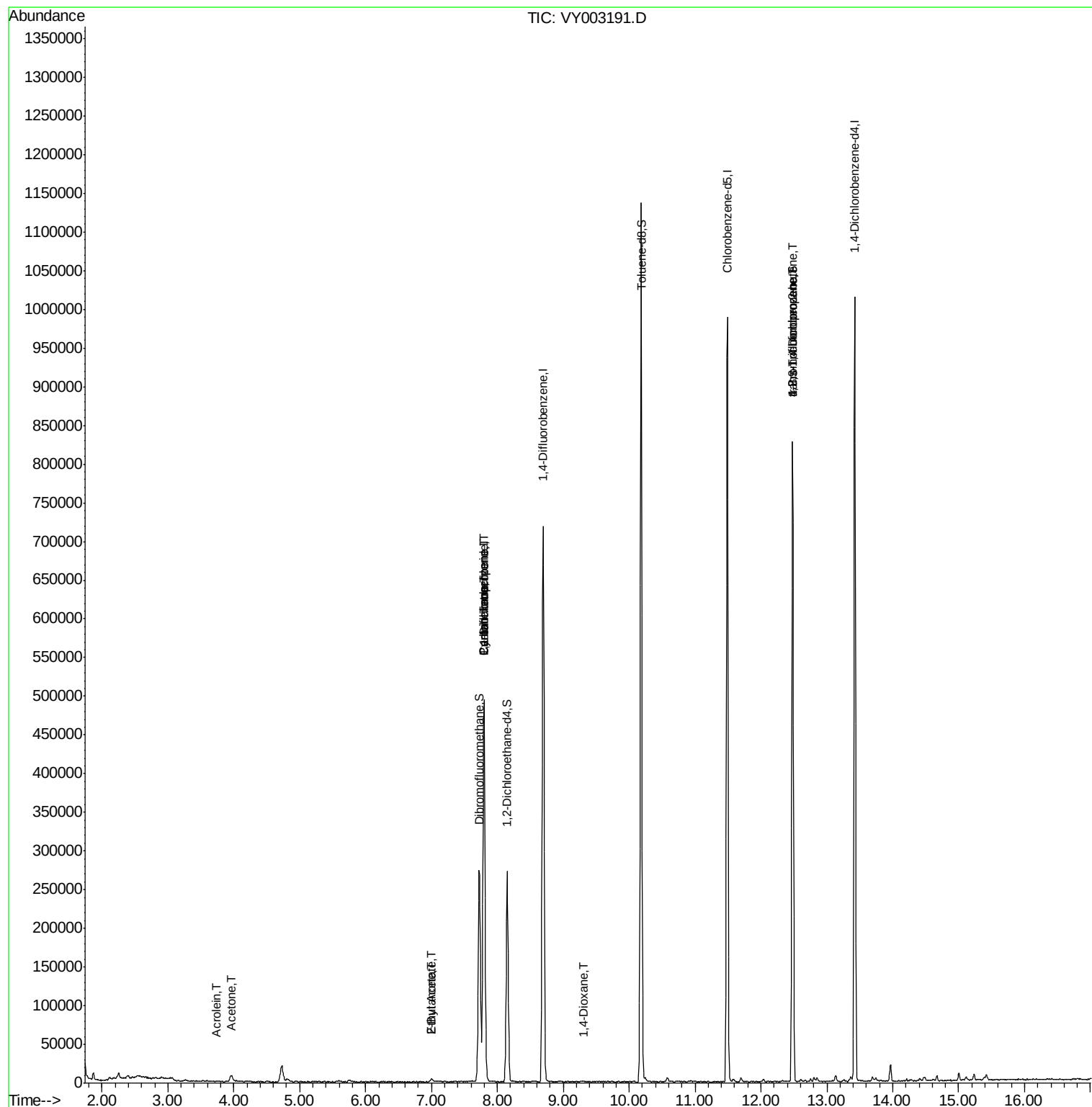
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.73	56	429	1.343	ug/l #	81
16) Acetone	3.96	43	15073	19.827	ug/l #	88
20) Methylene Chloride	4.73	84	15395	Below Cal		97
25) 2-Butanone	7.00	43	4947	3.963	ug/l	94
31) Cyclohexane	7.79	56	7470	1.207	ug/l #	3
36) 1,1-Dichloropropene	7.79	75	29771	5.373	ug/l #	49
37) Ethyl Acetate	7.00	43	4947	1.658	ug/l #	69
38) Carbon Tetrachloride	7.80	117	36425	6.368	ug/l #	17
49) 1,4-Dioxane	9.31	88	279	9.534	ug/l #	48
76) 1,2,3-Trichloropropane	12.48	75	121276	53.047	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	121276	103.240	ug/l #	13

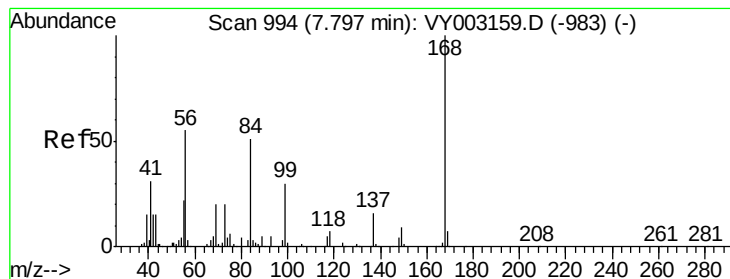
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY003191.D

Acq: 14 Jul 2020 13:21

Instrument :

MSVOA_Y

ClientSampleId :

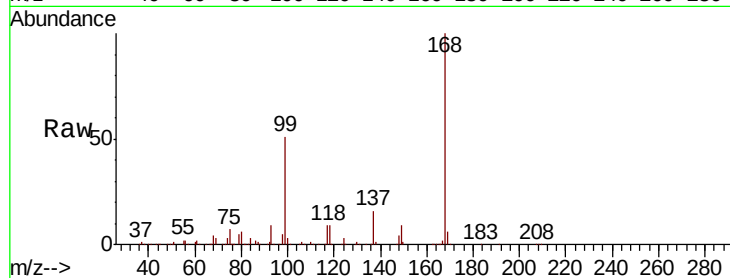
FK-GF-03-012-A

Tot Ion:168 Resp: 403233

Ion Ratio Lower Upper

168 100

99 51.1 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003191.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003191.D (-945) (-)

7.80

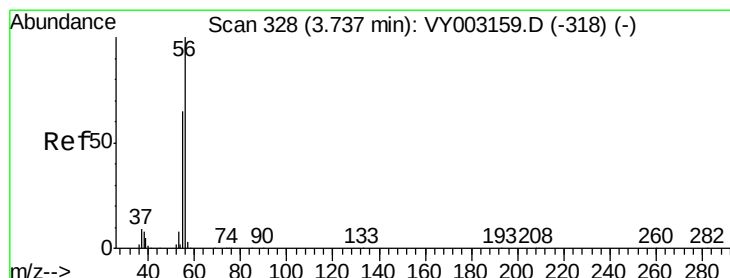
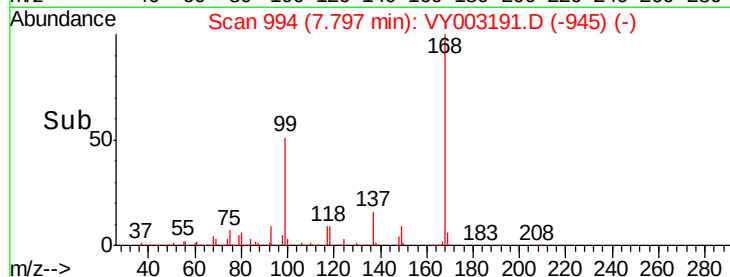
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 1.343 ug/l

RT: 3.73 min Scan# 327

Delta R.T. -0.01 min

Lab File: VY003191.D

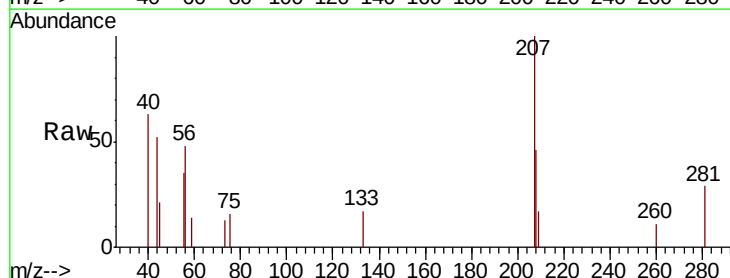
Acq: 14 Jul 2020 13:21

Tgt Ion: 56 Resp: 429

Ion Ratio Lower Upper

56 100

55 85.5 56.0 84.0#



Abundance Ion 56.00 (55.70 to 56.70): VY003191.D (-279) (-)

Ion 55.00 (54.70 to 55.70): VY003191.D (-279) (-)

3.73

250

200

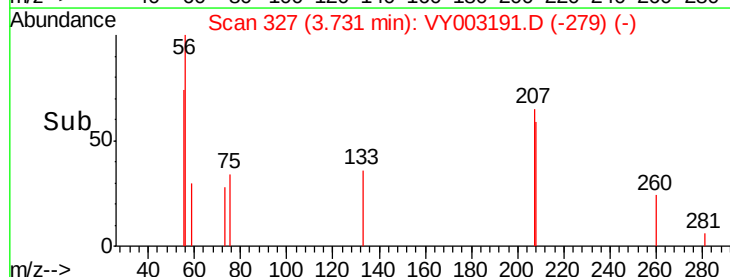
150

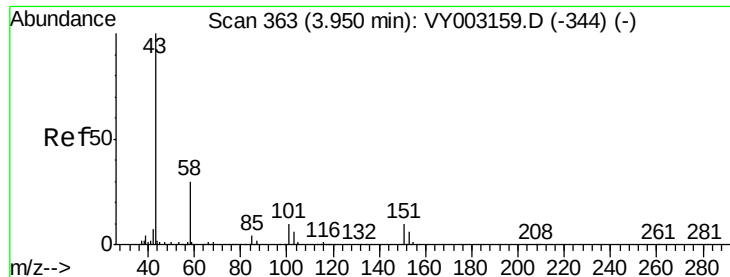
100

50

0

Time-->





#16

Acetone

Concen: 19.827 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY003191.D

Acq: 14 Jul 2020 13:21

Instrument :

MSVOA_Y

ClientSampleId :

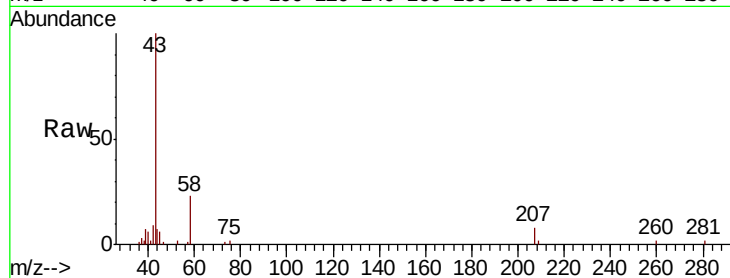
FK-GF-03-012-A

Tot Ion: 43 Resp: 15073

Ion Ratio Lower Upper

43 100

58 23.1 23.8 35.6#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

6000

5000

4000

3000

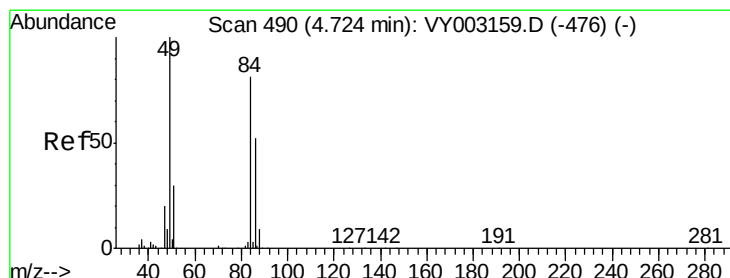
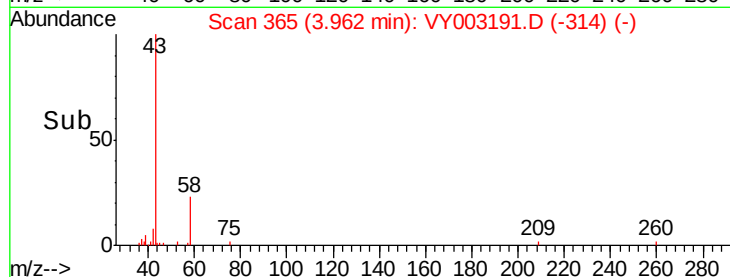
2000

1000

0

Time--> 3.80 3.90 4.00 4.10

3.96



#20

Methylene Chloride

Concen: Below Cal

RT: 4.73 min Scan# 491

Delta R.T. 0.01 min

Lab File: VY003191.D

Acq: 14 Jul 2020 13:21

Tgt Ion: 84 Resp: 15395

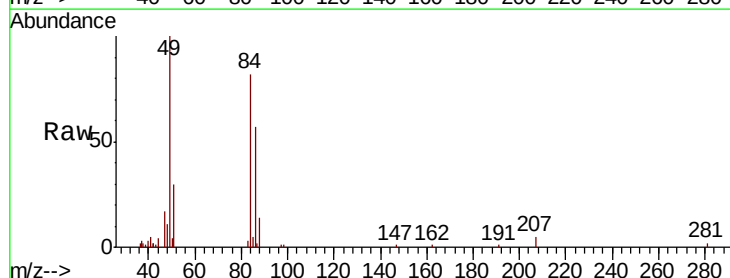
Ion Ratio Lower Upper

84 100

49 121.6 98.2 147.4

51 36.3 29.8 44.6

86 68.9 51.2 76.8



Abundance Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0

8000

6000

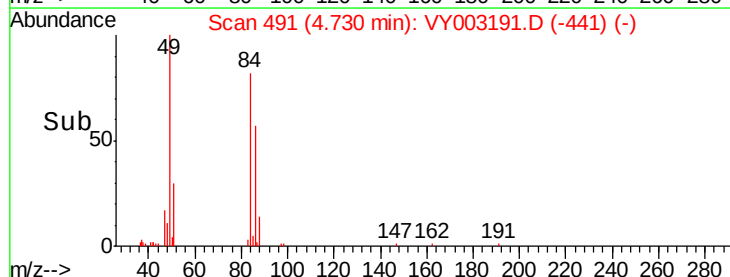
4000

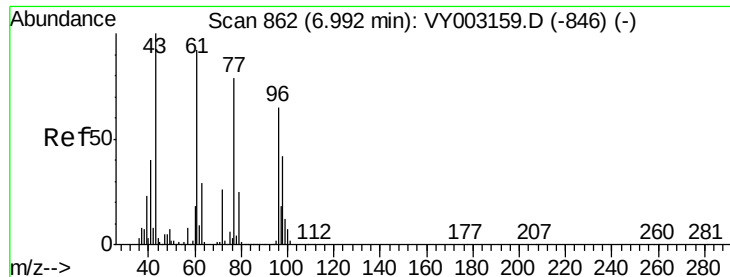
2000

0

Time--> 4.60 4.70 4.80

4.73

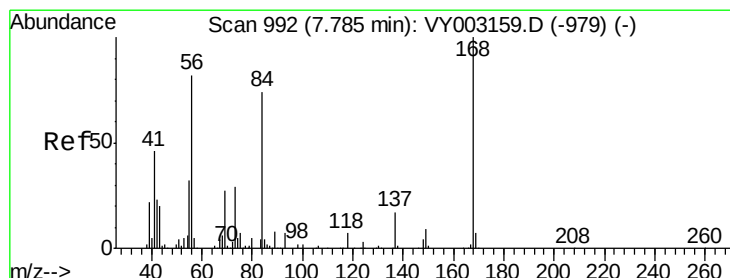
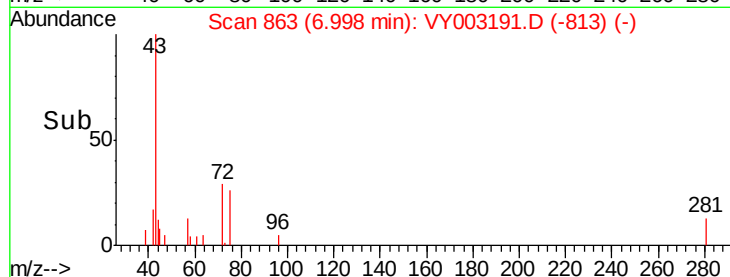
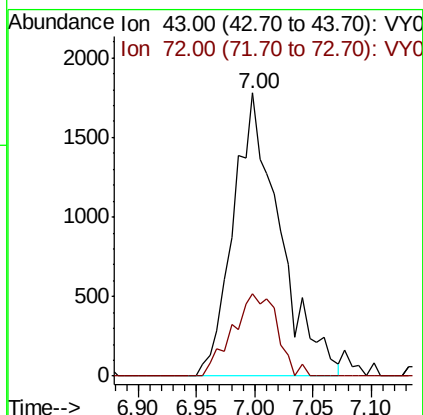
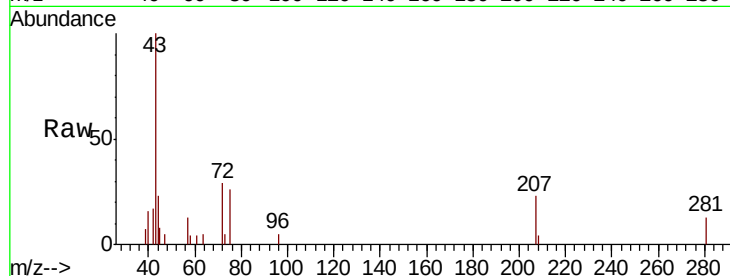




#25
2-Butanone
Concen: 3.963 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.01 min
Lab File: VY003191.D
Acq: 14 Jul 2020 13:21

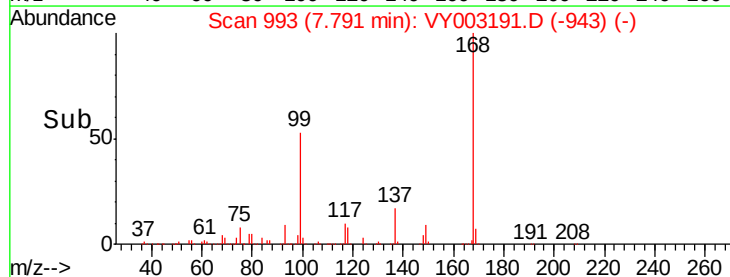
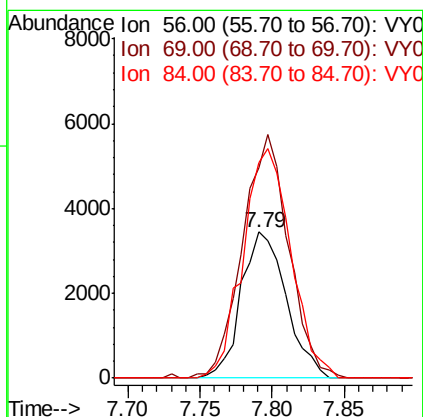
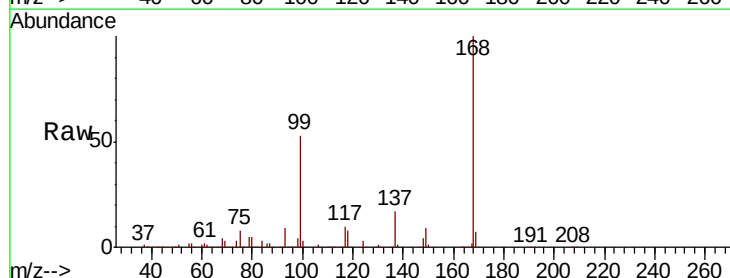
Instrument :
MSVOA_Y
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FK-GF-03-012-A

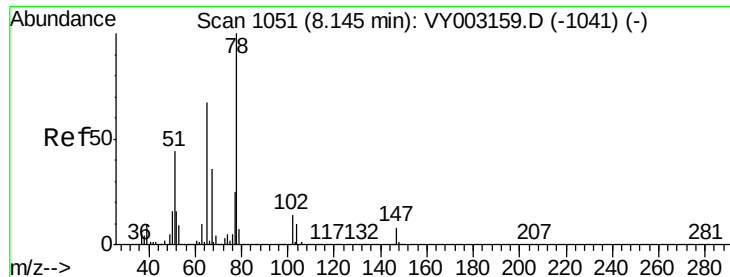
Tot Ion: 43 Resp: 4947
Ion Ratio Lower Upper
43 100
72 29.4 20.9 31.3



#31
Cyclohexane
Concen: 1.207 ug/l
RT: 7.79 min Scan# 993
Delta R.T. 0.01 min
Lab File: VY003191.D
Acq: 14 Jul 2020 13:21

Tgt Ion: 56 Resp: 7470
Ion Ratio Lower Upper
56 100
69 144.2 26.7 40.1#
84 147.4 72.3 108.5#

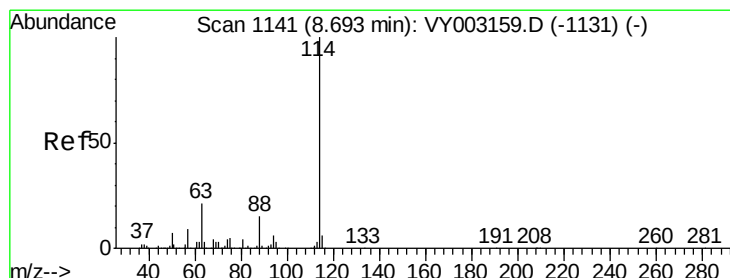
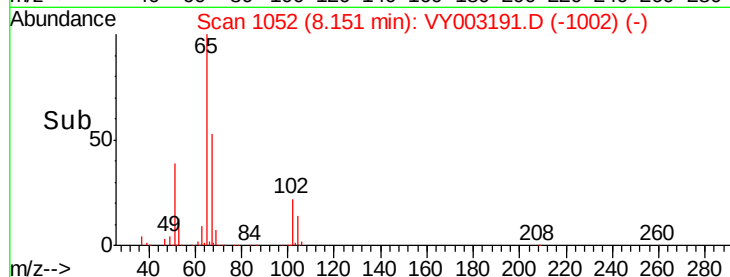
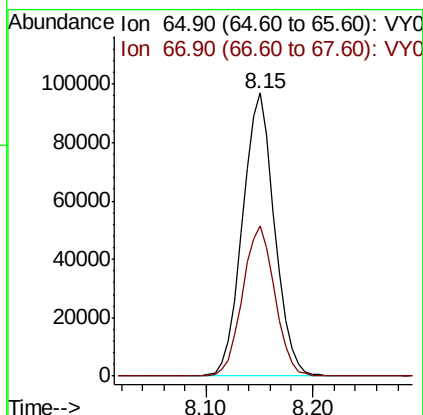
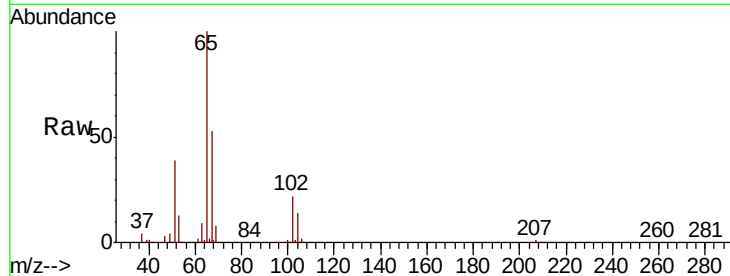




#33
 1,2-Dichloroethane-d4
 Concen: 60.211 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VY003191.D
 Acq: 14 Jul 2020 13:21

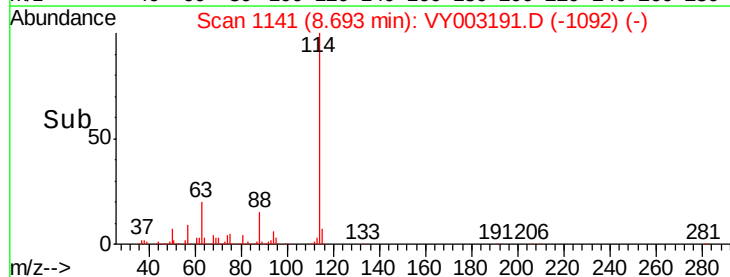
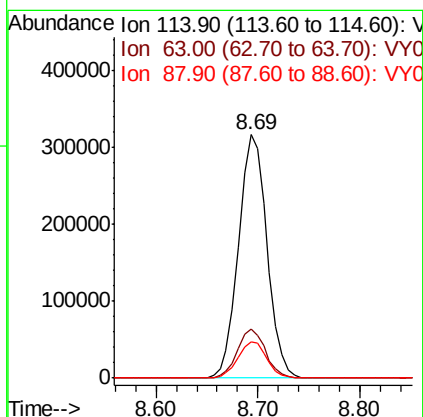
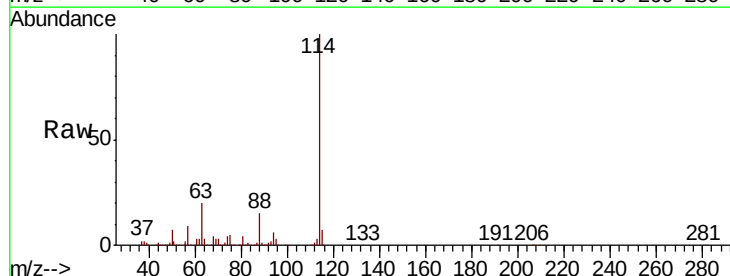
Instrument :
 MSVOA_Y
 ClientSampleId :
 FK-GF-03-012-A

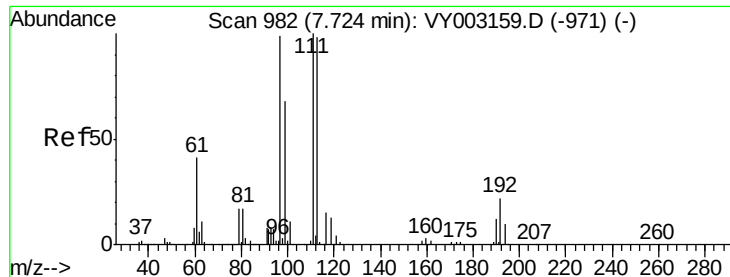
Tot Ion: 65 Resp: 204925
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003191.D
 Acq: 14 Jul 2020 13:21

Tgt Ion: 114 Resp: 611336
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 41.2
 88 14.8 0.0 30.2

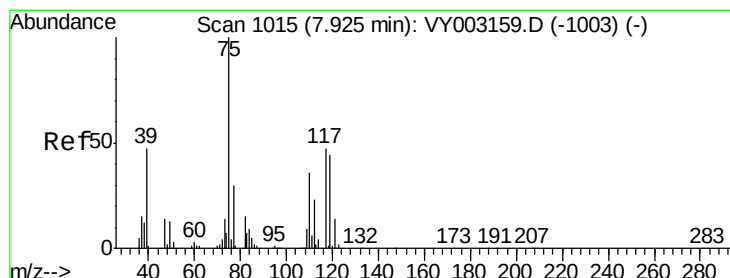
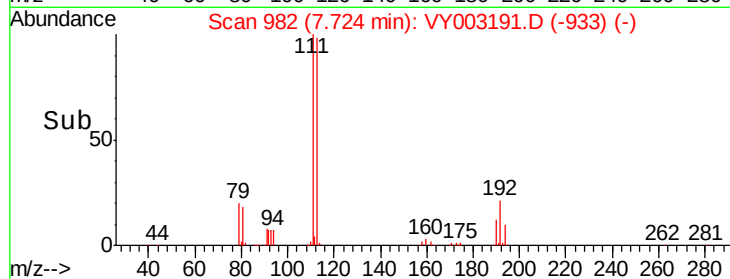
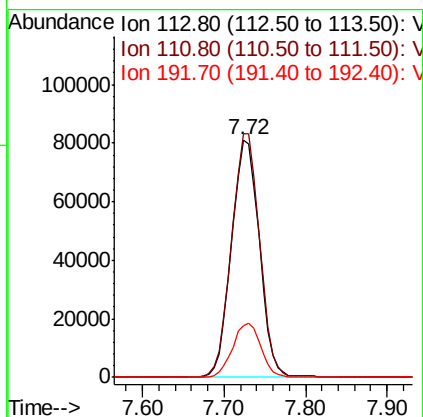
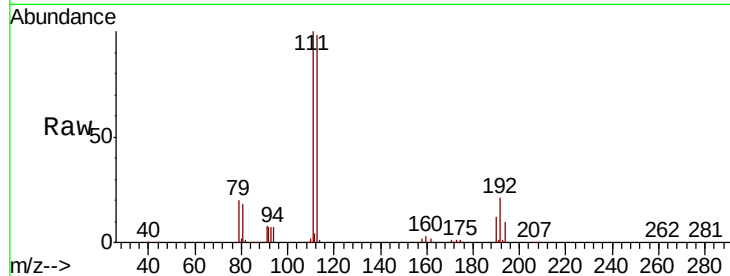




#35
 Dibromofluoromethane
 Concen: 54.264 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VY003191.D
 Acq: 14 Jul 2020 13:21

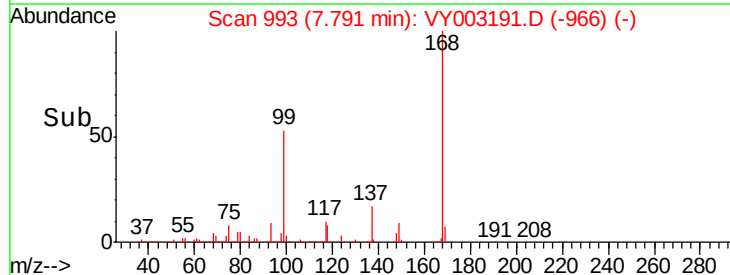
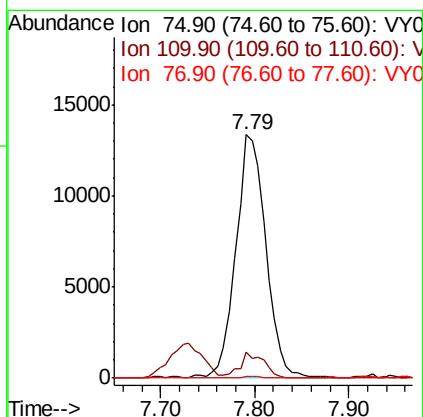
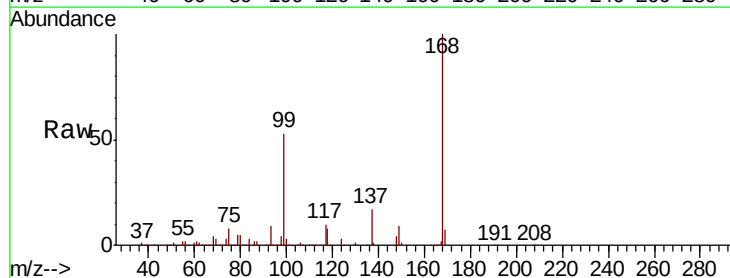
Instrument :
 MSVOA_Y
 ClientSampleId :
 FK-GF-03-012-A

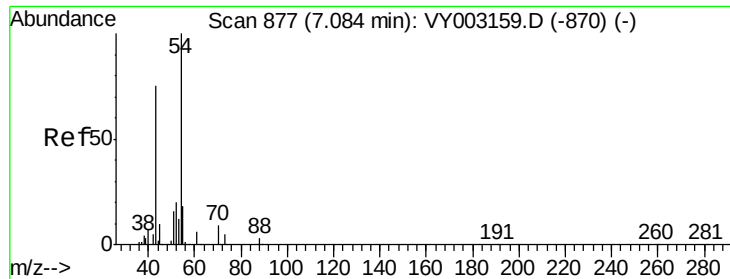
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.1	123.1
192	23.2	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 5.373 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VY003191.D
 Acq: 14 Jul 2020 13:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	18.1	54.1#
77	0.3	24.8	37.2#

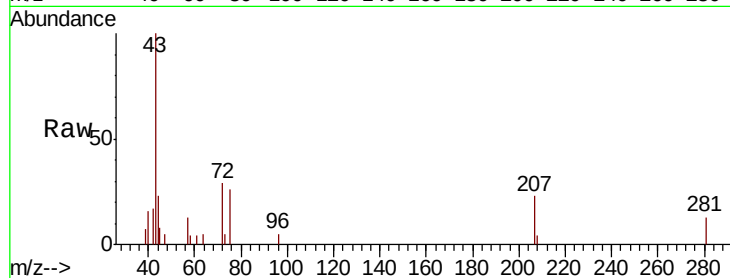




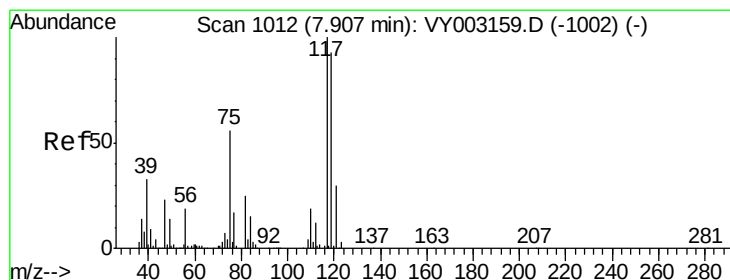
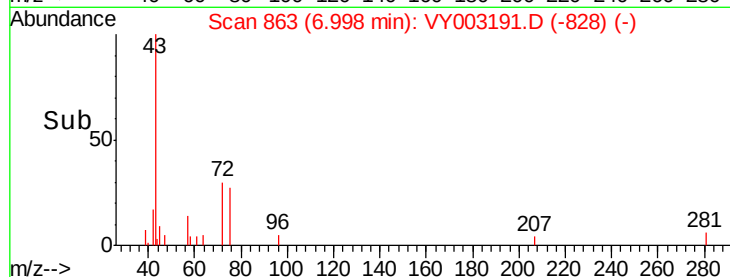
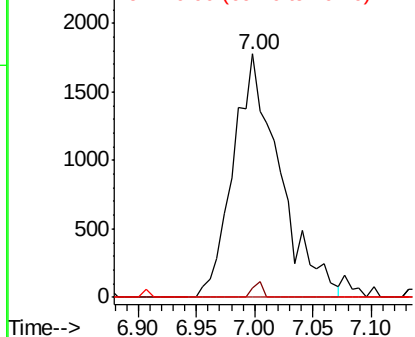
#37
Ethyl Acetate
Concen: 1.658 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.09 min
Lab File: VY003191.D
Acq: 14 Jul 2020 13:21

Instrument :
MSVOA_Y
ClientSampleId :
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Tot Ion: 43 Resp: 4947
Ion Ratio Lower Upper
43 100
61 1.3 11.8 17.6#
70 0.0 8.6 13.0#

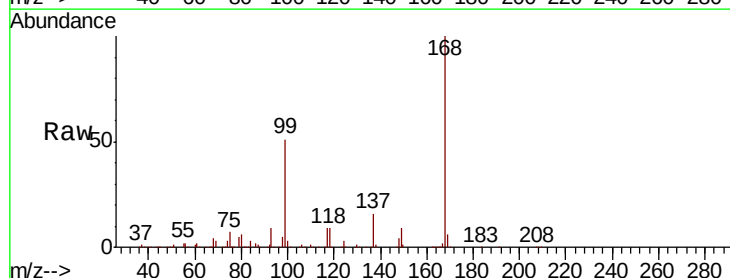


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 70.00 (69.70 to 70.70): VY0

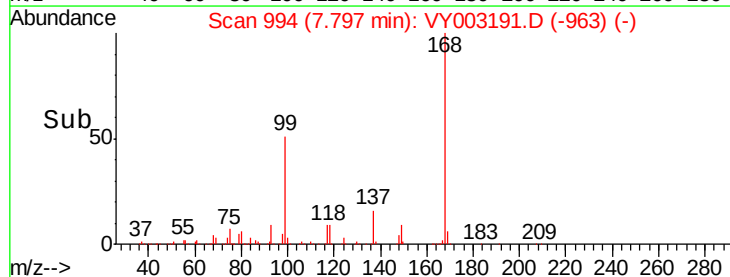
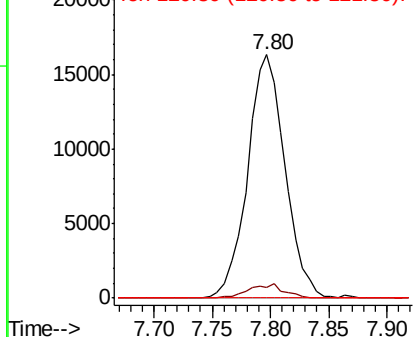


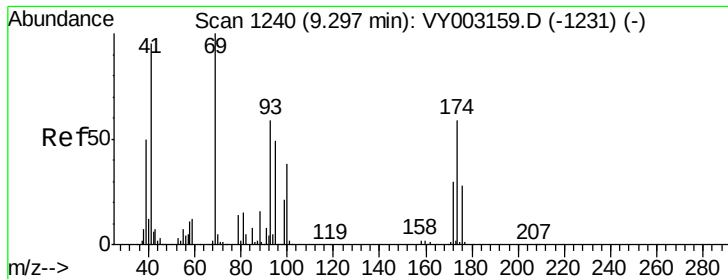
#38
Carbon Tetrachloride
Concen: 6.368 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.11 min
Lab File: VY003191.D
Acq: 14 Jul 2020 13:21

Tgt Ion: 117 Resp: 36425
Ion Ratio Lower Upper
117 100
119 4.3 74.5 111.7#
121 0.0 24.2 36.2#



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

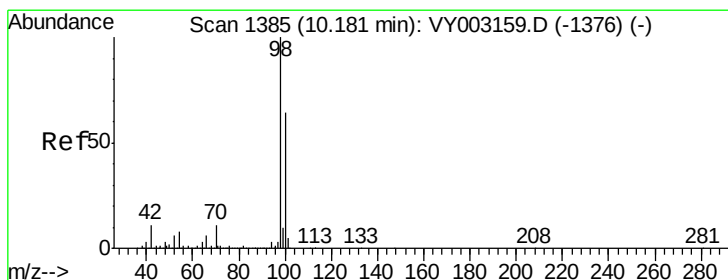
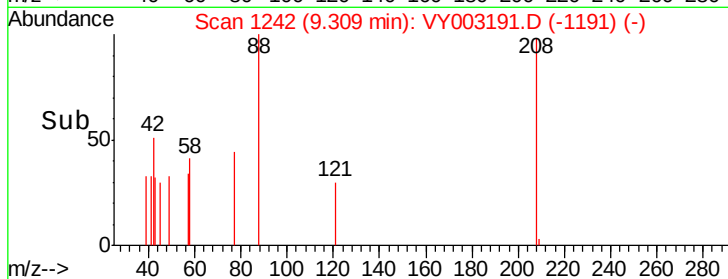
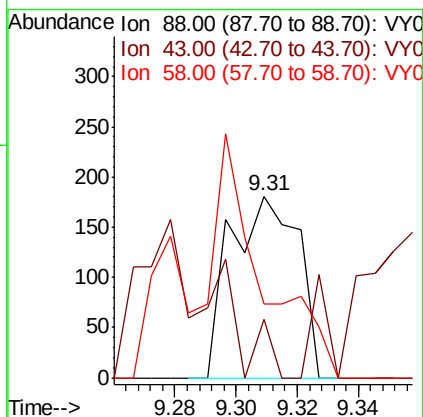
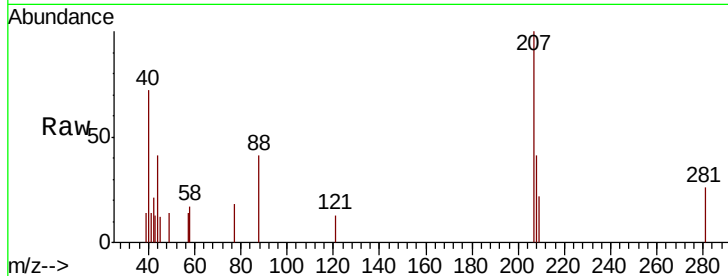




#49
1,4-Dioxane
Concen: 9.534 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.01 min
Lab File: VY003191.D
Acq: 14 Jul 2020 13:21

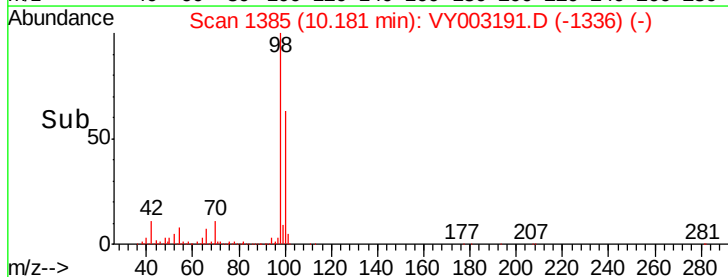
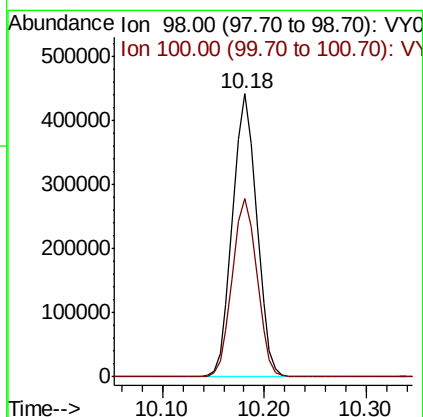
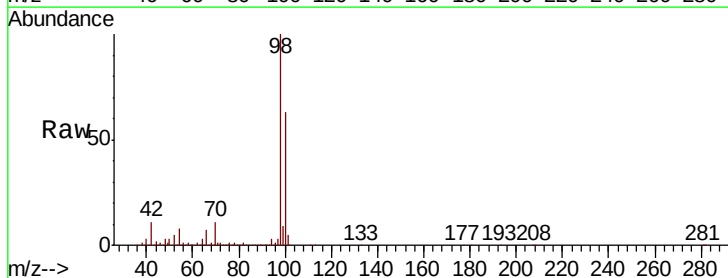
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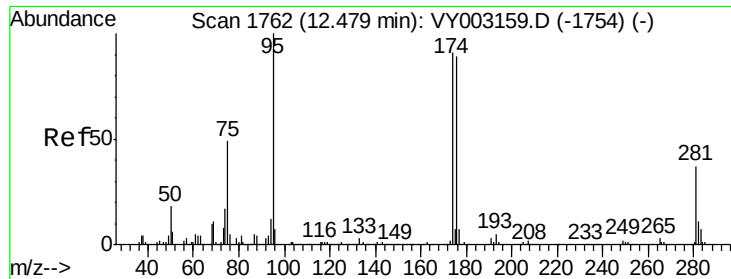
Tot Ion: 88 Resp: 279
Ion Ratio Lower Upper
88 100
43 0.0 25.6 38.4#
58 96.4 47.8 71.6#



#50
Toluene-d8
Concen: 55.738 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY003191.D
Acq: 14 Jul 2020 13:21

Tgt Ion: 98 Resp: 729032
Ion Ratio Lower Upper
98 100
100 64.3 50.7 76.1





#62

4-Bromofluorobenzene

Concen: 49.716 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003191.D

Acq: 14 Jul 2020 13:21

Instrument :

MSVOA_Y

ClientSampleId :

FK-GF-03-012-A

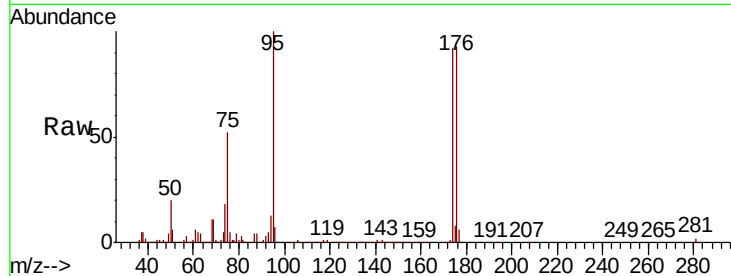
Tot Ion: 95 Resp: 234916

Ion Ratio Lower Upper

95 100

174 94.0 0.0 190.6

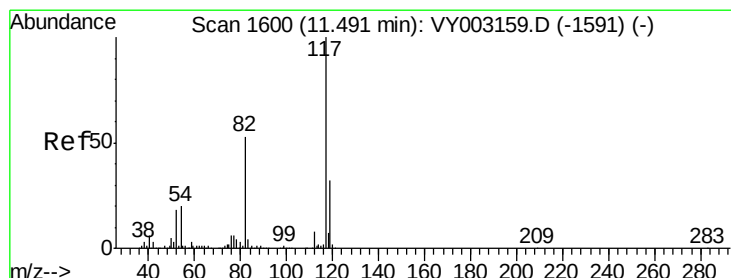
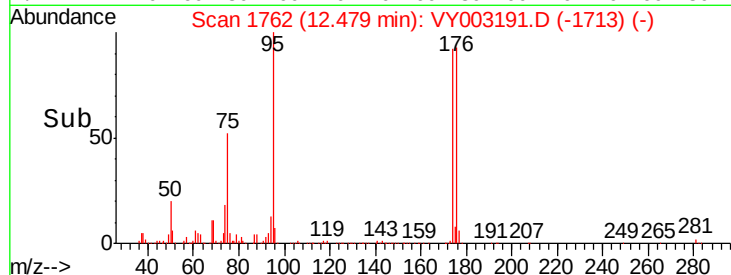
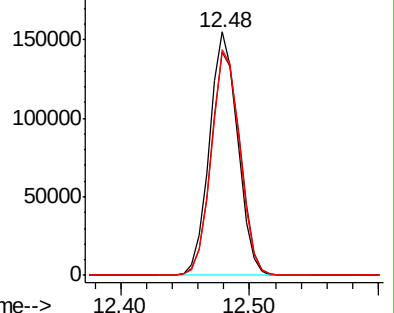
176 92.7 0.0 186.4



Abundance Ion 94.90 (94.60 to 95.60): VY003191.D (-1754) (-)

Ion 173.80 (173.50 to 174.50): VY003191.D (-1754) (-)

Ion 175.80 (175.50 to 176.50): VY003191.D (-1754) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VY003191.D

Acq: 14 Jul 2020 13:21

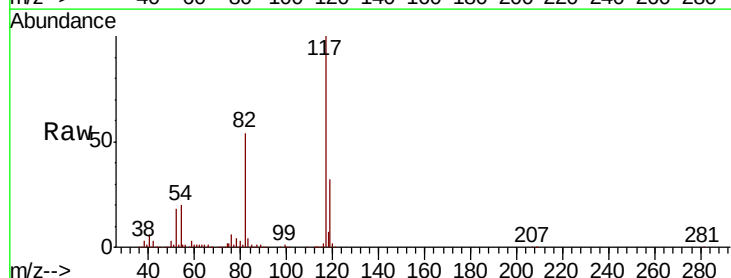
Tgt Ion: 117 Resp: 545747

Ion Ratio Lower Upper

117 100

82 53.6 42.0 63.0

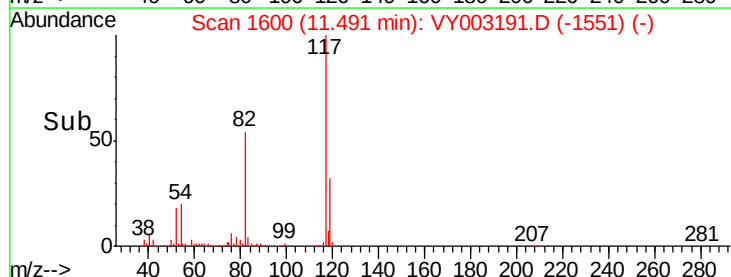
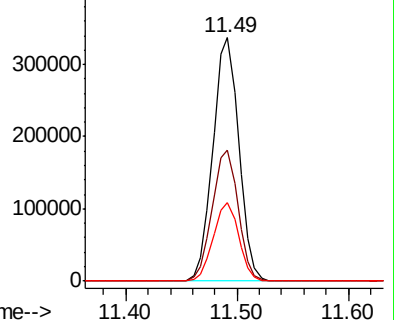
119 32.3 25.5 38.3

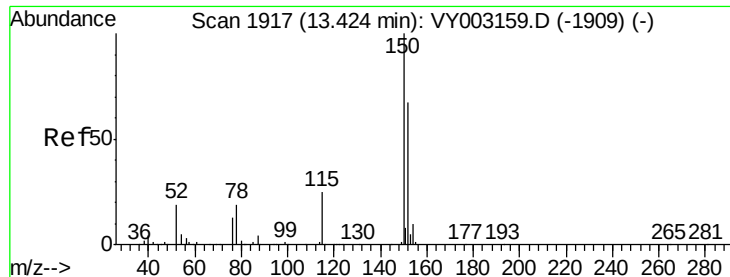


Abundance Ion 116.90 (116.60 to 117.60): VY003191.D (-1591) (-)

Ion 82.00 (81.70 to 82.70): VY003191.D (-1591) (-)

Ion 118.90 (118.60 to 119.60): VY003191.D (-1591) (-)

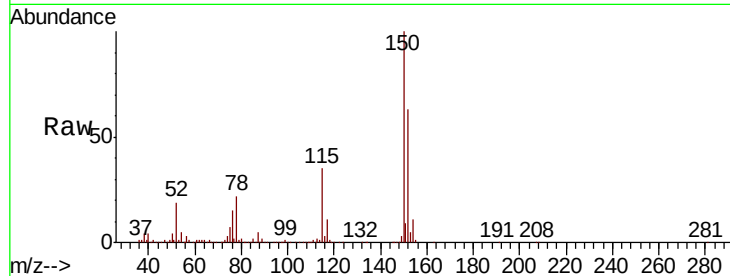




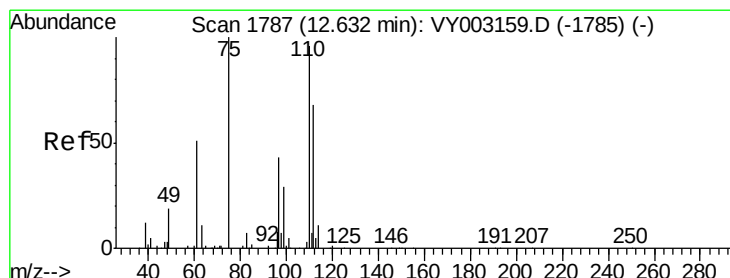
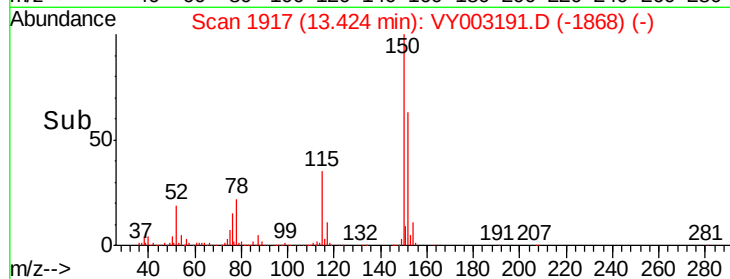
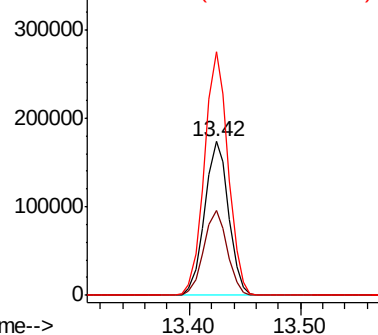
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.42 min Scan# 1917
 Delta R.T. -0.00 min
 Lab File: VY003191.D
 Acq: 14 Jul 2020 13:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 FK-GF-03-012-A

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.3	26.9	80.7
150	156.5	0.0	338.0

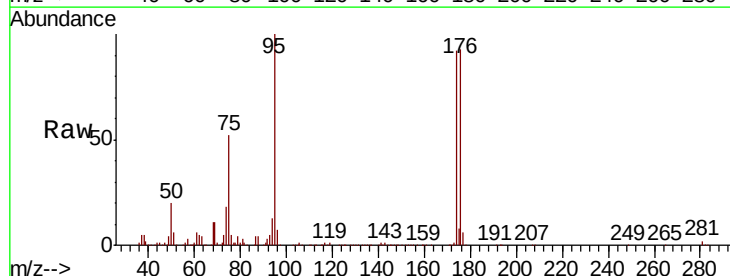


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

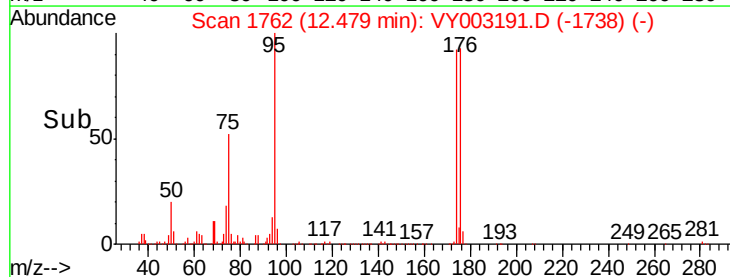
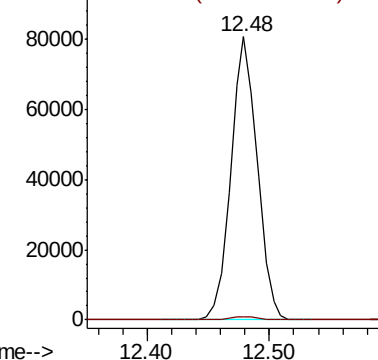


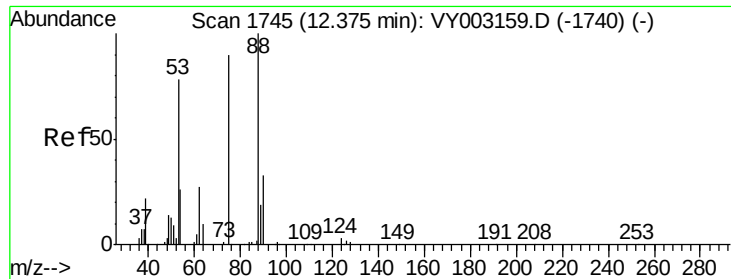
#76
 1,2,3-Trichloropropane
 Concen: 53.047 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.15 min
 Lab File: VY003191.D
 Acq: 14 Jul 2020 13:21

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 77.00 (76.70 to 77.70): VY0





#81

trans-1,4-Dichloro-2-butene

Concen: 103.240 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003191.D

Acq: 14 Jul 2020 13:21

Instrument :

MSVOA_Y

ClientSampleId :

FK-GF-03-012-A

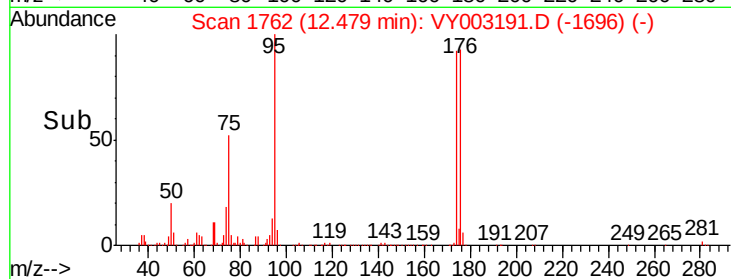
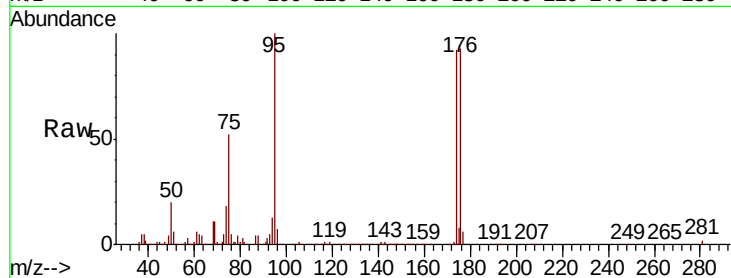
Tot Ion: 75 Resp: 121276

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

89 0.0 37.3 55.9#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

