

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072720\
 Data File : VY003365.D
 Acq On : 27 Jul 2020 19:03
 Operator : SY/MD
 Sample : L3449-02
 Misc : 7.98G/5ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 FK-GF-02-059-A

Quant Time: Jul 28 05:07:04 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	424202	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	665975	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	597212	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	256529	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	216313	60.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.84%	
35) Dibromofluoromethane	7.72	113	205718	53.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.36%	
50) Toluene-d8	10.18	98	800280	56.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.34%	
62) 4-Bromofluorobenzene	12.48	95	245975	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	

Target Compounds

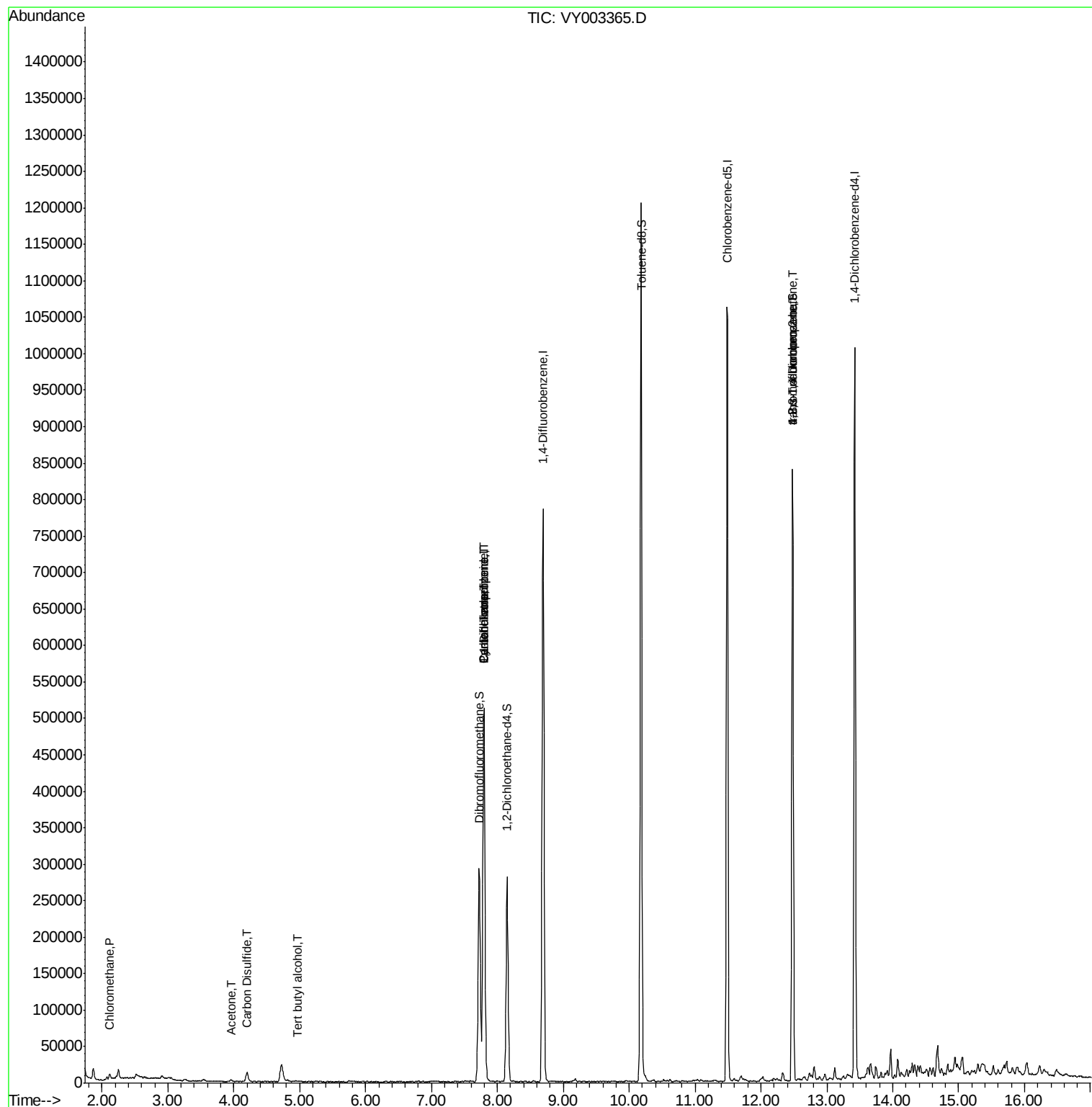
					Qvalue	
3) Chloromethane	2.12	50	6353	1.506	ug/l #	86
11) Tert butyl alcohol	4.97	59	686	1.772	ug/l #	87
16) Acetone	3.96	43	3022	3.779	ug/l	94
17) Carbon Disulfide	4.20	76	24937	2.302	ug/l #	93
20) Methylene Chloride	4.72	84	17933	Below Cal		93
31) Cyclohexane	7.80	56	8245	1.266	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	30029	4.975	ug/l #	50
38) Carbon Tetrachloride	7.79	117	38554	6.187	ug/l #	18
76) 1,2,3-Trichloropropane	12.48	75	126471	55.696	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	126471	108.396	ug/l #	13

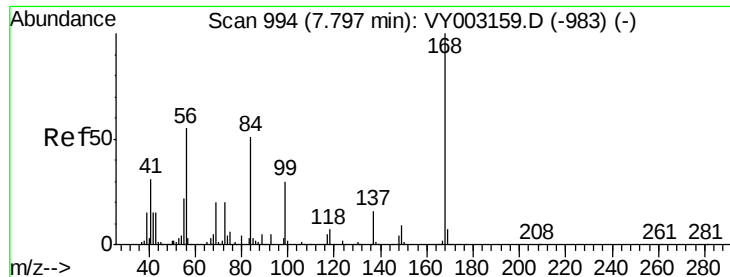
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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FK-GF-02-059-A

Quant Time: Jul 28 05:07:04 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
Quant Title : SW846 8260
QLast Update : Fri Jul 10 13:18:03 2020
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: VY003365.D

Acq: 27 Jul 2020 19:03

Instrument :

MSVOA_Y

ClientSampleId :

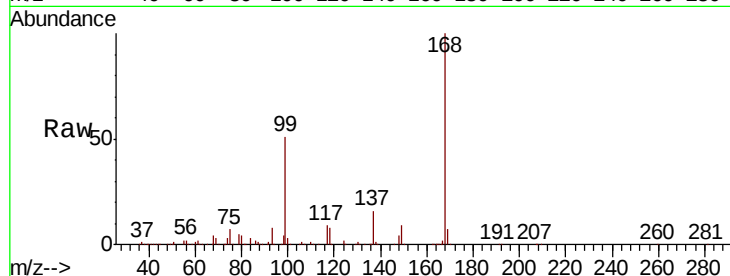
FK-GF-02-059-A

Tot Ion:168 Resp: 424202

Ion Ratio Lower Upper

168 100

99 51.0 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003365.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003365.D (-945) (-)

7.80

200000

150000

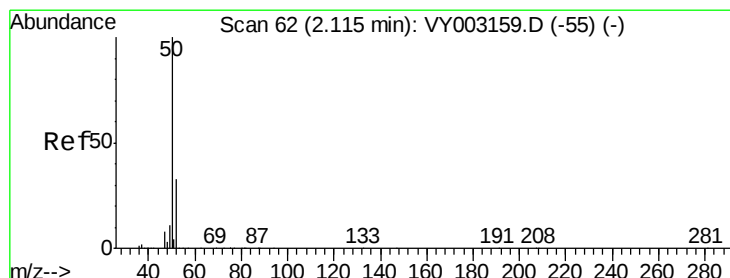
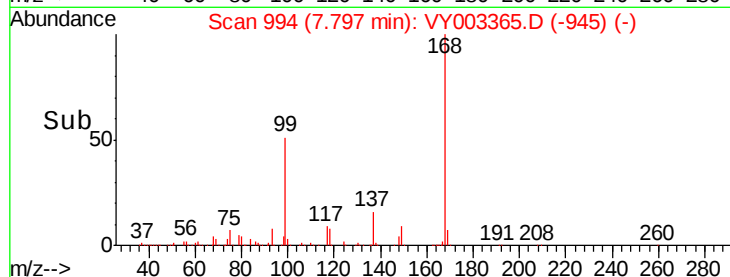
100000

50000

0

7.70 7.80 7.90

Time-->



#3

Chloromethane

Concen: 1.506 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY003365.D

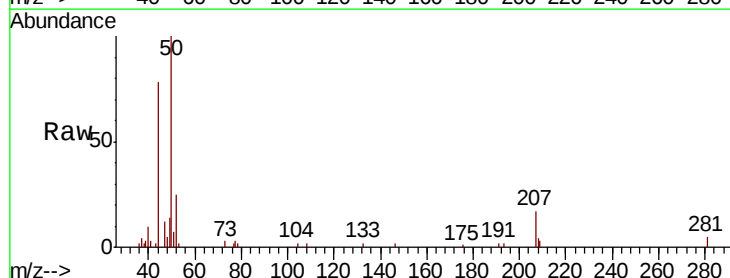
Acq: 27 Jul 2020 19:03

Tgt Ion: 50 Resp: 6353

Ion Ratio Lower Upper

50 100

52 25.4 26.6 39.8#



Abundance Ion 49.90 (49.60 to 50.60): VY003365.D (-13) (-)

Ion 51.90 (51.60 to 52.60): VY003365.D (-13) (-)

2.12

4000

3000

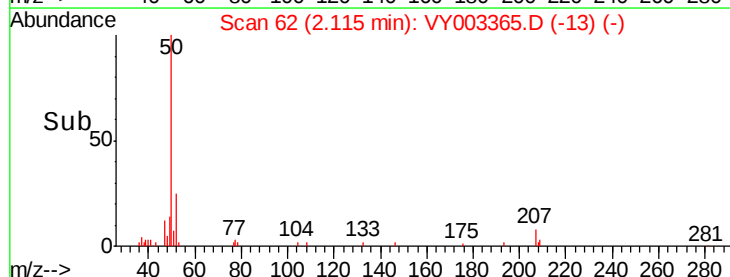
2000

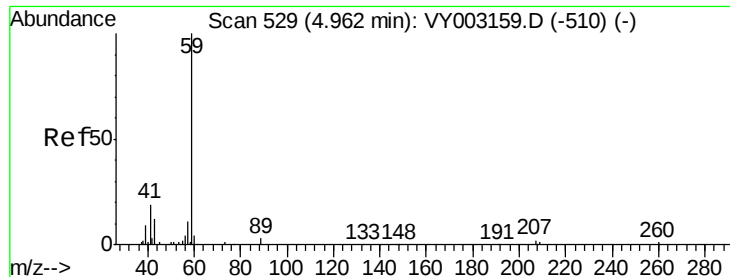
1000

0

2.05 2.10 2.15 2.20

Time-->



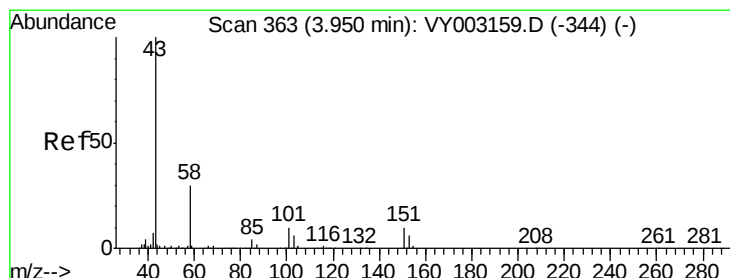
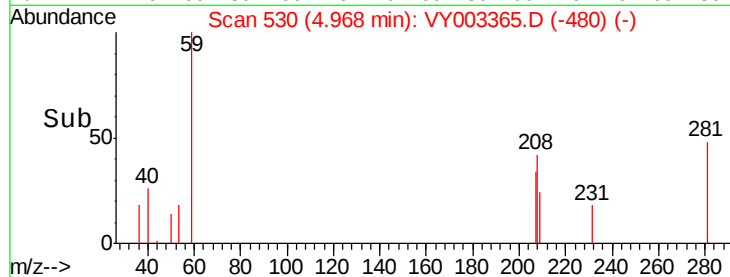
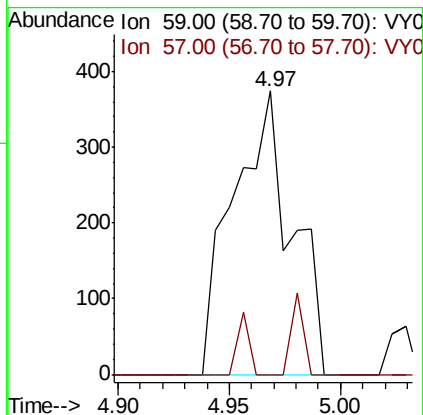
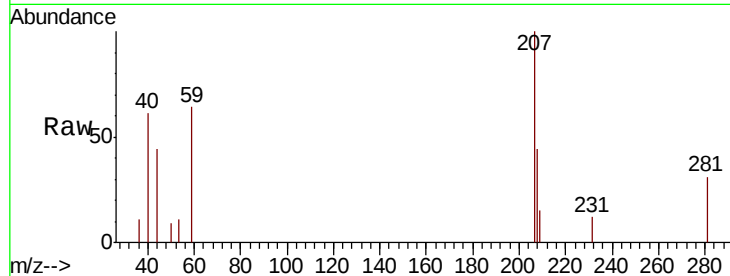


#11

Tert butyl alcohol
 Concen: 1.772 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. 0.01 min
 Lab File: VY003365.D
 Acq: 27 Jul 2020 19:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 FK-GF-02-059-A

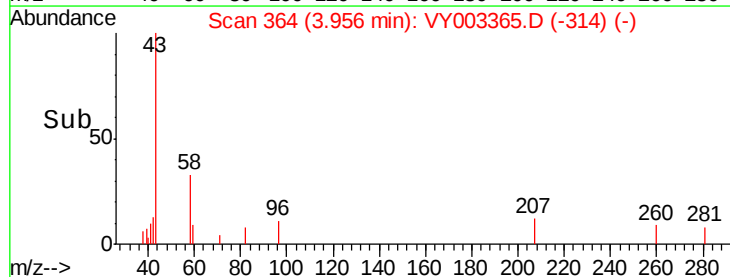
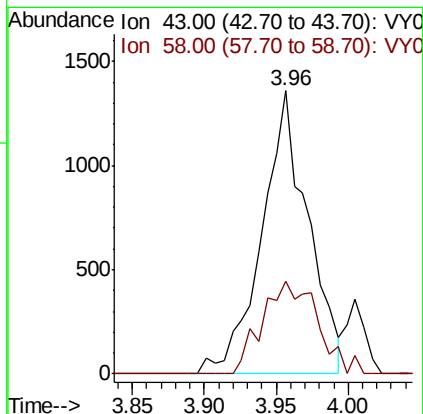
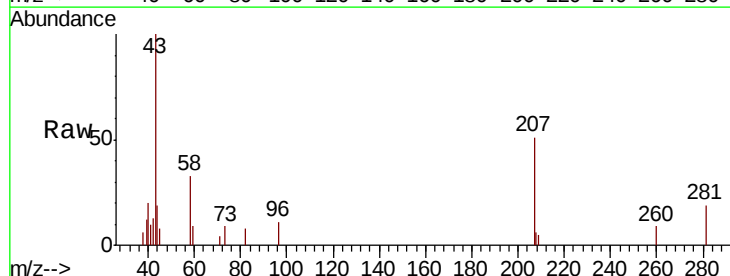
Tot Ion: 59 Resp: 686
 Ion Ratio Lower Upper
 59 100
 57 5.7 8.4 12.6#

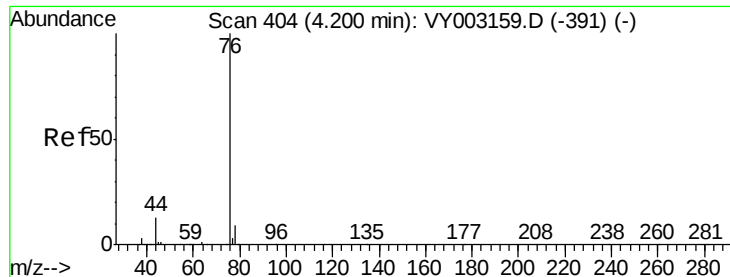


#16

Acetone
 Concen: 3.779 ug/l
 RT: 3.96 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VY003365.D
 Acq: 27 Jul 2020 19:03

Tgt Ion: 43 Resp: 3022
 Ion Ratio Lower Upper
 43 100
 58 32.7 23.8 35.6





#17

Carbon Disulfide

Concen: 2.302 ug/l

RT: 4.20 min Scan# 404

Delta R.T. 0.00 min

Lab File: VY003365.D

Acq: 27 Jul 2020 19:03

Instrument :

MSVOA_Y

ClientSampleId :

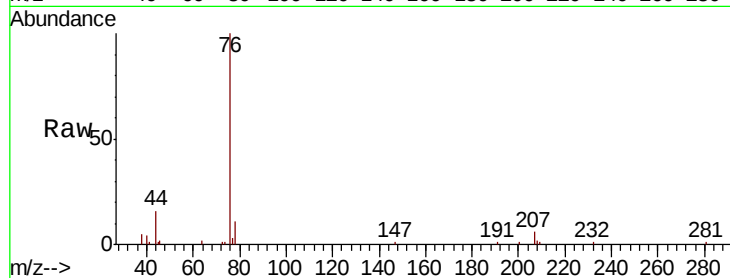
FK-GF-02-059-A

Tot Ion: 76 Resp: 24937

Ion Ratio Lower Upper

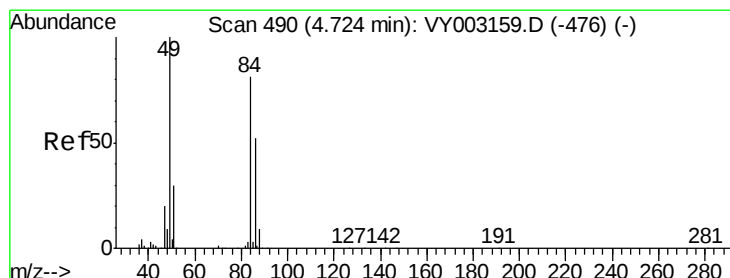
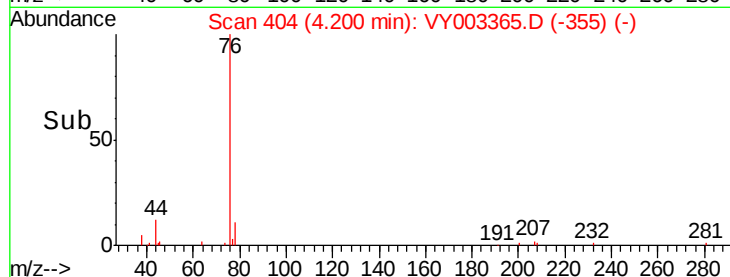
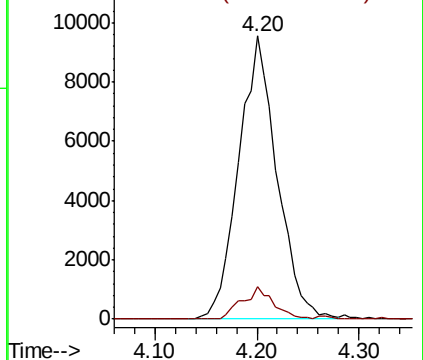
76 100

78 11.5 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#20

Methylene Chloride

Concen: Below Cal

RT: 4.72 min Scan# 489

Delta R.T. -0.01 min

Lab File: VY003365.D

Acq: 27 Jul 2020 19:03

Tgt Ion: 84 Resp: 17933

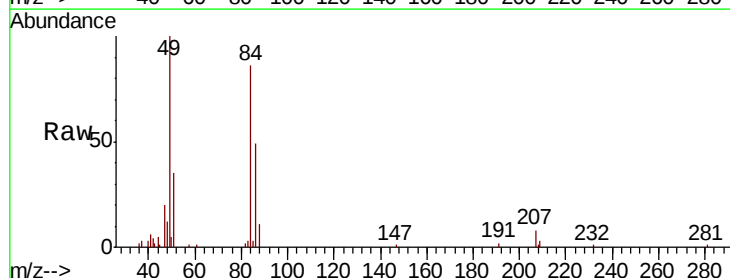
Ion Ratio Lower Upper

84 100

49 116.3 98.2 147.4

51 40.3 29.8 44.6

86 56.4 51.2 76.8

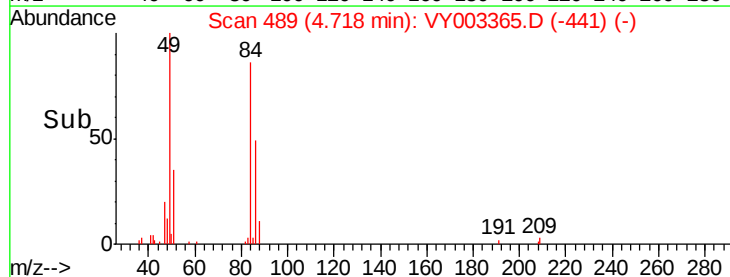
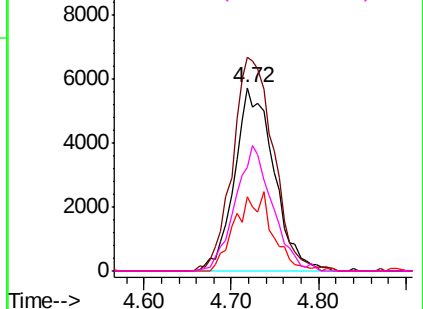


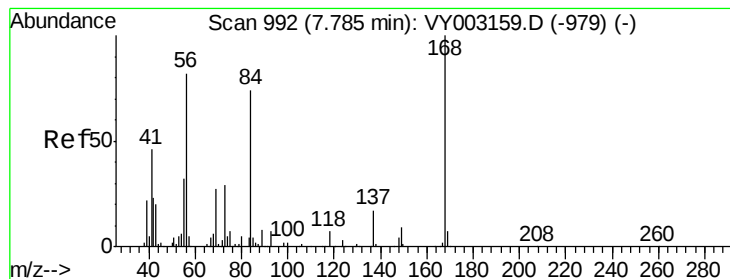
Abundance Ion 83.90 (83.60 to 84.60): VY0

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





#31

Cyclohexane

Concen: 1.266 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY003365.D

Acq: 27 Jul 2020 19:03

Instrument :

MSVOA_Y

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FK-GF-02-059-A

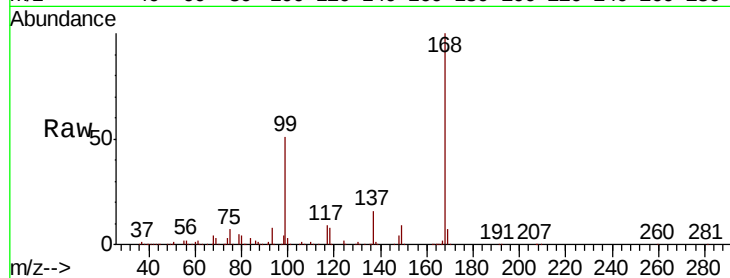
Tot Ion: 56 Resp: 8245

Ion Ratio Lower Upper

56 100

69 155.9 26.7 40.1#

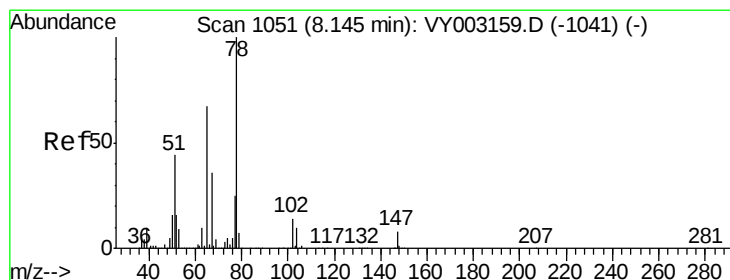
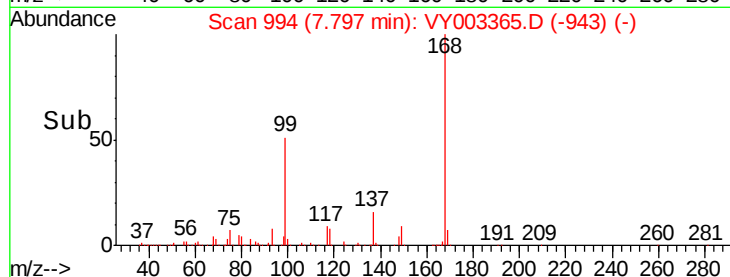
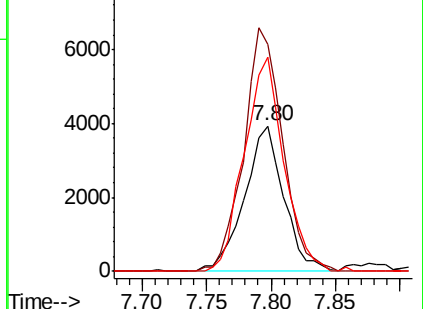
84 146.9 72.3 108.5#



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#33

1,2-Dichloroethane-d4

Concen: 60.416 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VY003365.D

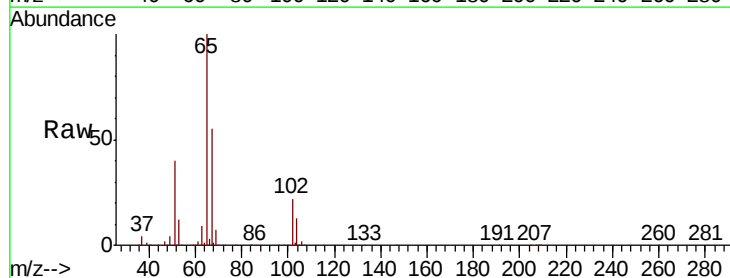
Acq: 27 Jul 2020 19:03

Tgt Ion: 65 Resp: 216313

Ion Ratio Lower Upper

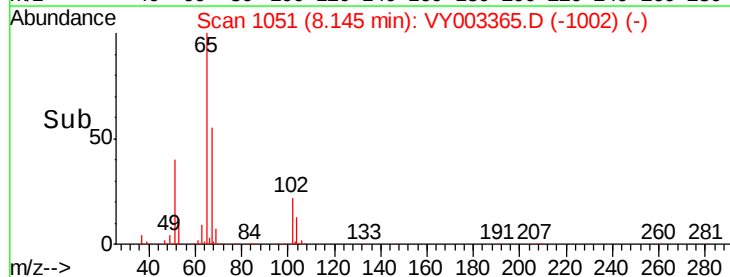
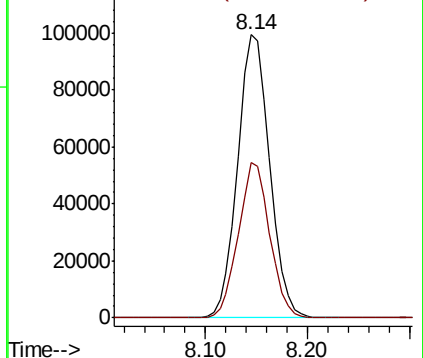
65 100

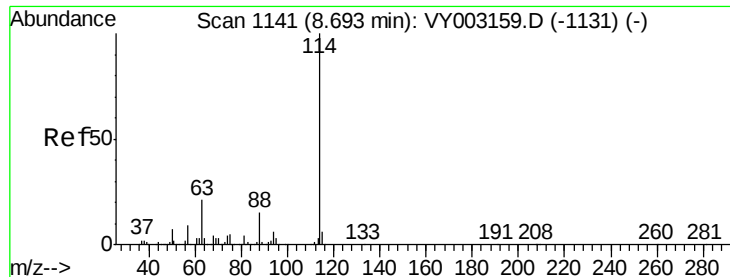
67 53.7 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

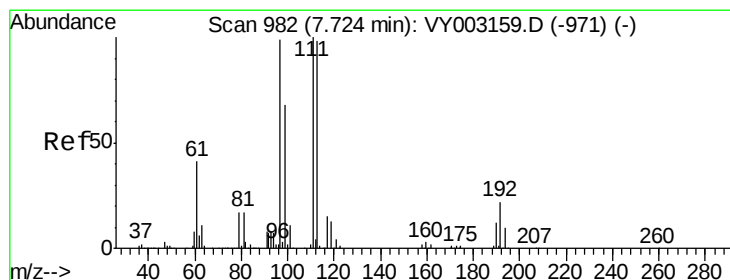
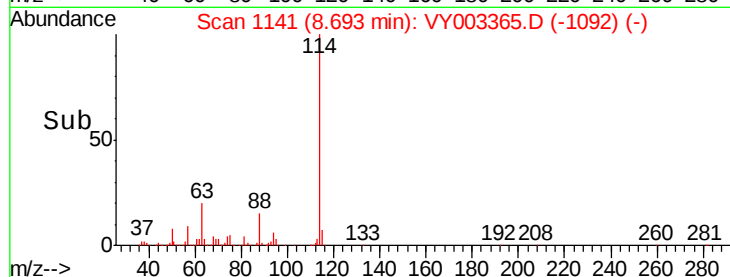
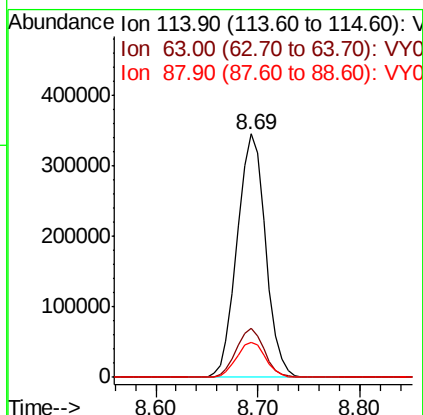
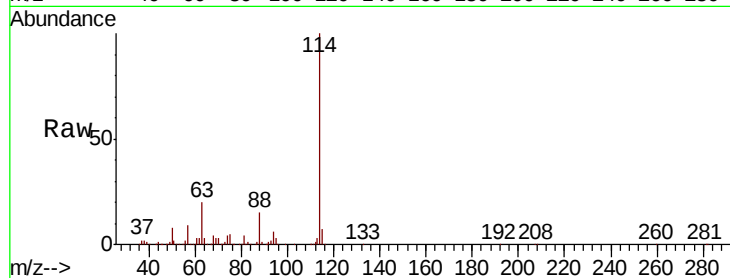




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY003365.D
 Acq: 27 Jul 2020 19:03

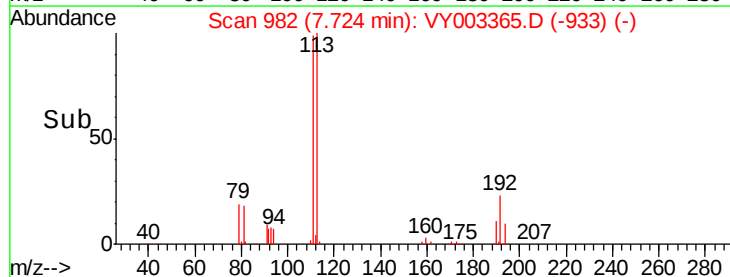
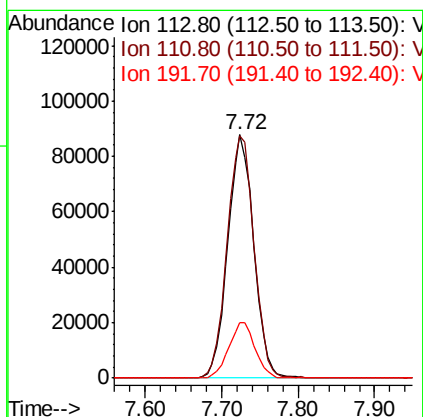
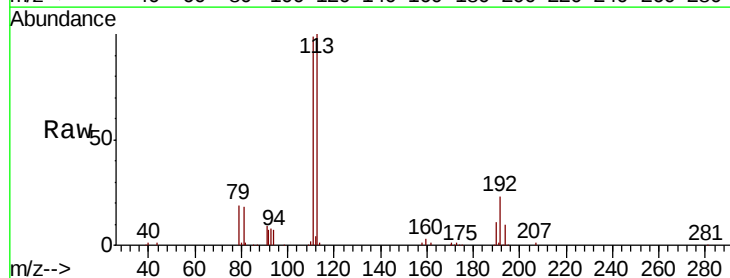
Instrument :
 MSVOA_Y
 ClientSampleId :
 FK-GF-02-059-A

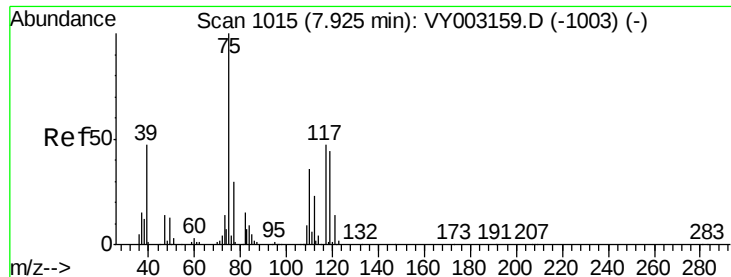
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	41.2
88	14.6	0.0	30.2



#35
 Dibromofluoromethane
 Concen: 53.677 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VY003365.D
 Acq: 27 Jul 2020 19:03

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.1	123.1
192	23.1	18.8	28.2





#36

1,1-Dichloropropene

Concen: 4.975 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY003365.D

Acq: 27 Jul 2020 19:03

Instrument :

MSVOA_Y

ClientSampleId :

FK-GF-02-059-A

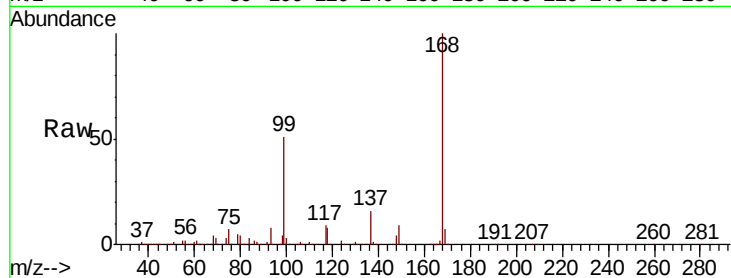
Tot Ion: 75 Resp: 30029

Ion Ratio Lower Upper

75 100

110 9.3 18.1 54.1#

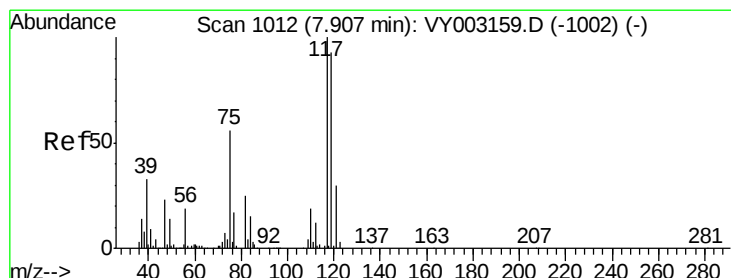
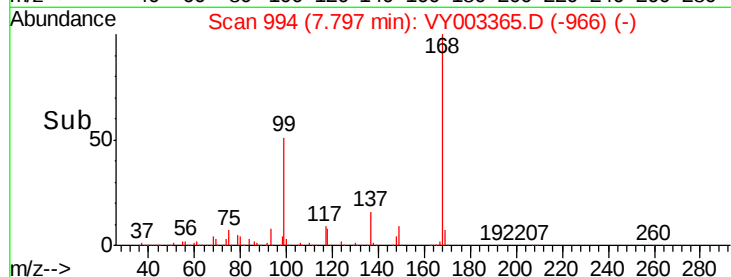
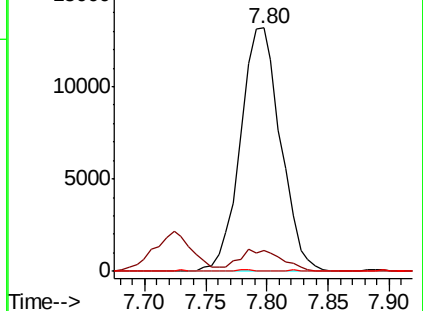
77 0.2 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VY003365.D (-966) (-)

Ion 109.90 (109.60 to 110.60): VY003365.D (-966) (-)

Ion 76.90 (76.60 to 77.60): VY003365.D (-966) (-)



#38

Carbon Tetrachloride

Concen: 6.187 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.12 min

Lab File: VY003365.D

Acq: 27 Jul 2020 19:03

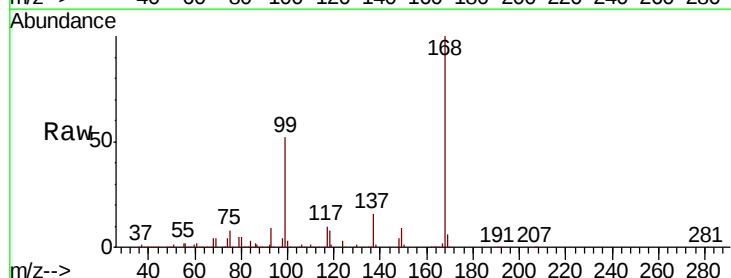
Tgt Ion: 117 Resp: 38554

Ion Ratio Lower Upper

117 100

119 5.9 74.5 111.7#

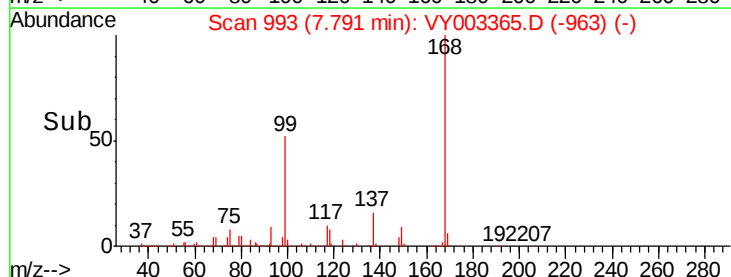
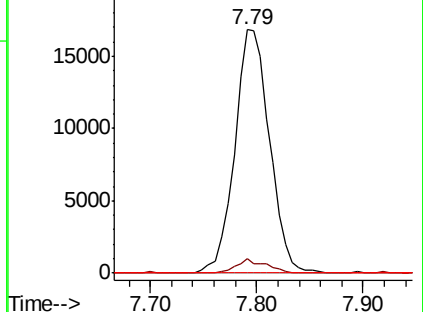
121 0.0 24.2 36.2#

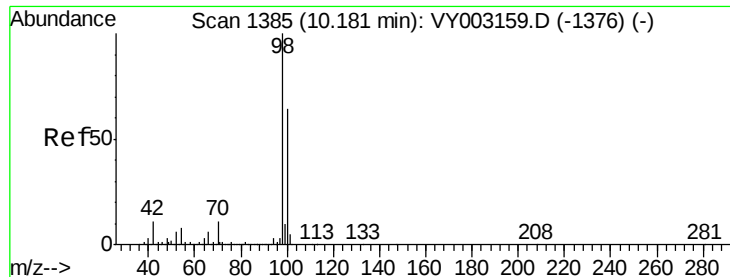


Abundance Ion 116.80 (116.50 to 117.50): VY003365.D (-963) (-)

Ion 118.80 (118.50 to 119.50): VY003365.D (-963) (-)

Ion 120.80 (120.50 to 121.50): VY003365.D (-963) (-)





#50

Toluene-d8

Concen: 56.165 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY003365.D

Acq: 27 Jul 2020 19:03

Instrument :

MSVOA_Y

ClientSampleId :

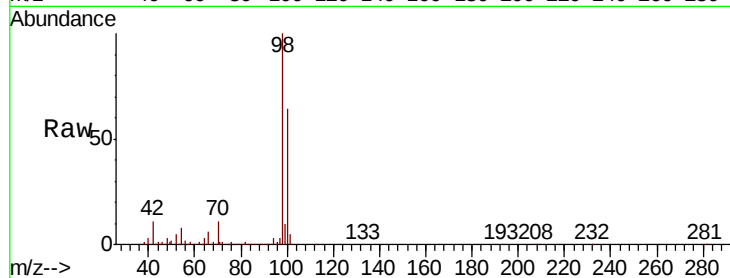
FK-GF-02-059-A

Tot Ion: 98 Resp: 800280

Ion Ratio Lower Upper

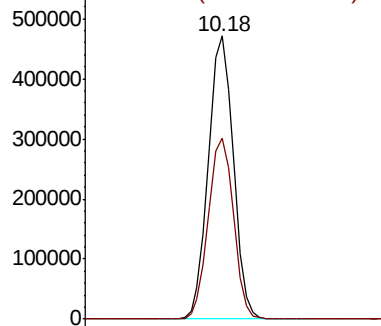
98 100

100 64.4 50.7 76.1

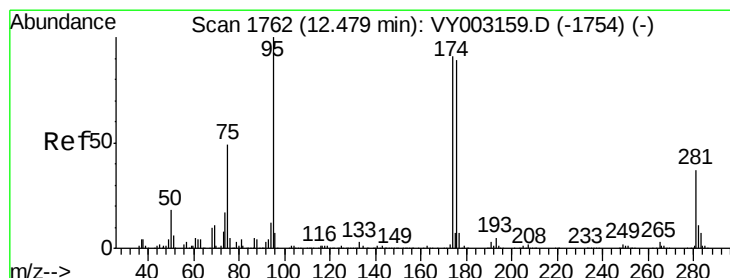
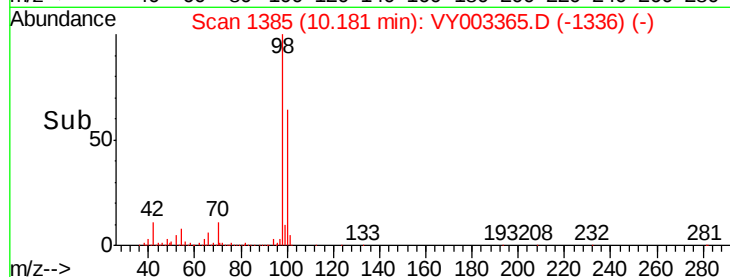


Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY



Time-->



#62

4-Bromofluorobenzene

Concen: 47.785 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY003365.D

Acq: 27 Jul 2020 19:03

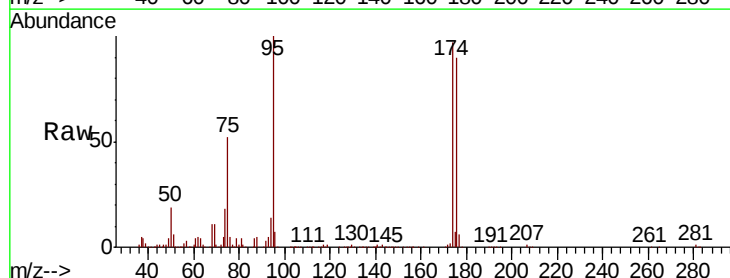
Tgt Ion: 95 Resp: 245975

Ion Ratio Lower Upper

95 100

174 94.9 0.0 190.6

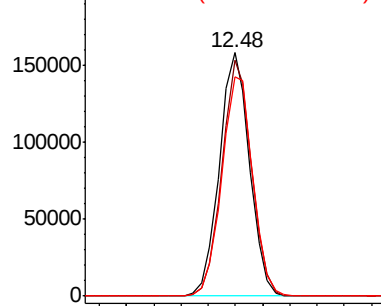
176 92.7 0.0 186.4



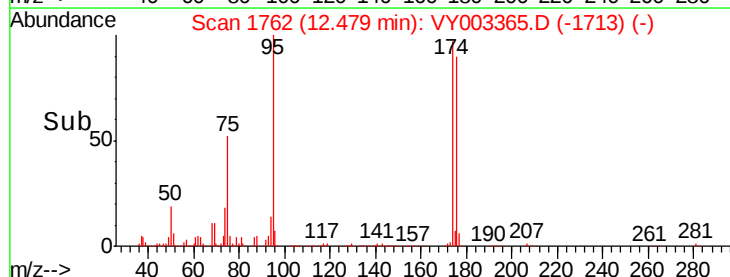
Abundance Ion 94.90 (94.60 to 95.60): VY0

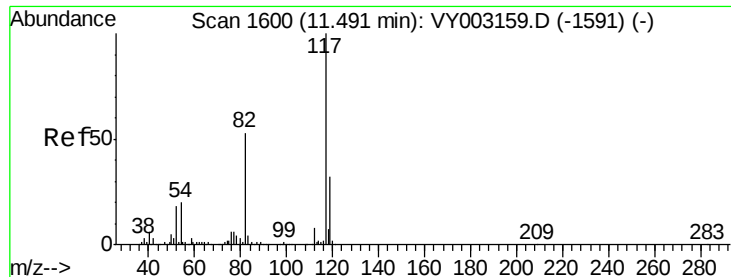
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

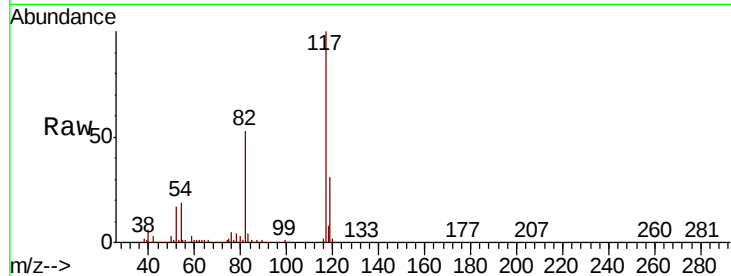




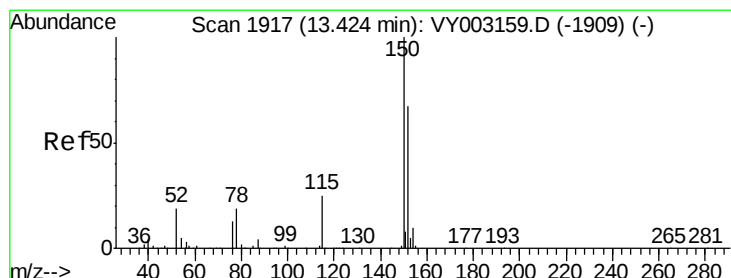
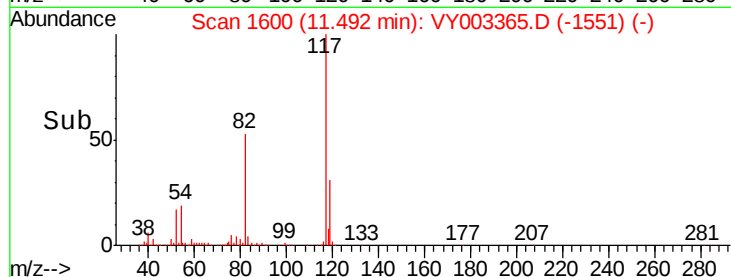
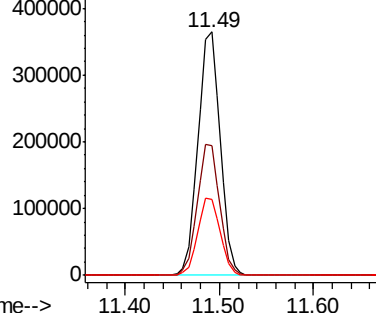
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY003365.D
Acq: 27 Jul 2020 19:03

Instrument :
MSVOA_Y
ClientSampleId :
FK-GF-02-059-A

Tot Ion:117 Resp: 597212
Ion Ratio Lower Upper
117 100
82 53.1 42.0 63.0
119 31.3 25.5 38.3

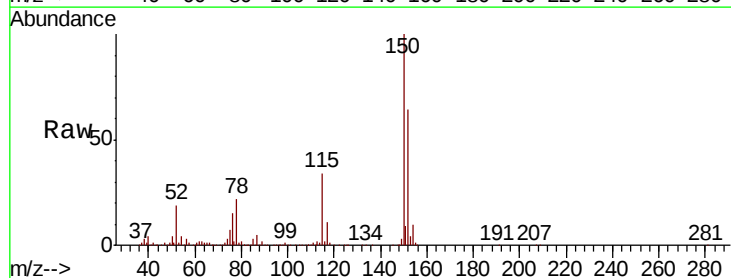


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

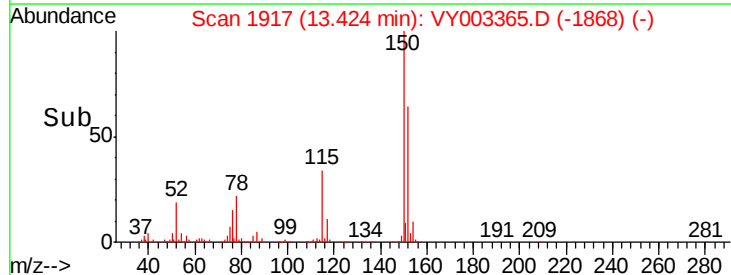
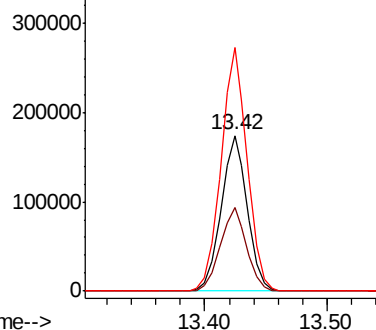


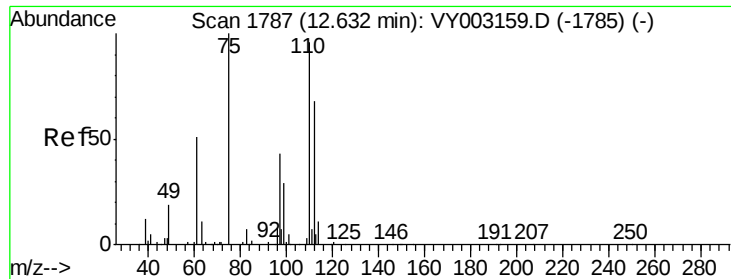
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY003365.D
Acq: 27 Jul 2020 19:03

Tgt Ion:152 Resp: 256529
Ion Ratio Lower Upper
152 100
115 54.7 26.9 80.7
150 156.8 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: 55.696 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003365.D

Acq: 27 Jul 2020 19:03

Instrument :

MSVOA_Y

ClientSampleId :

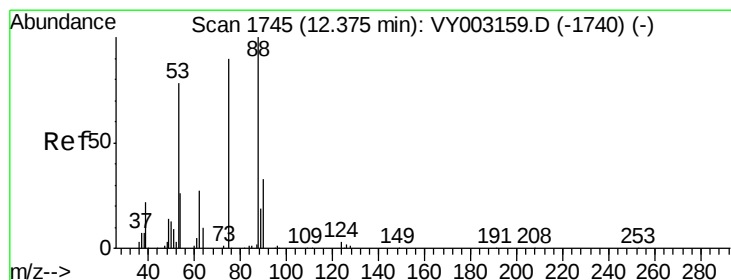
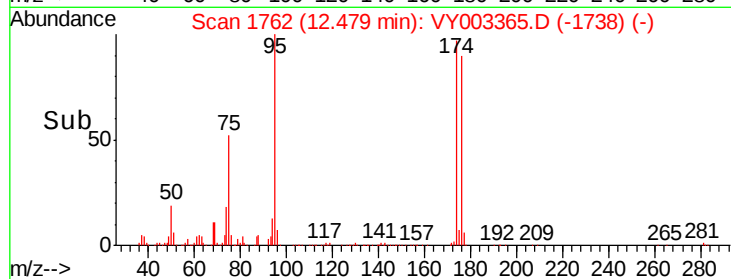
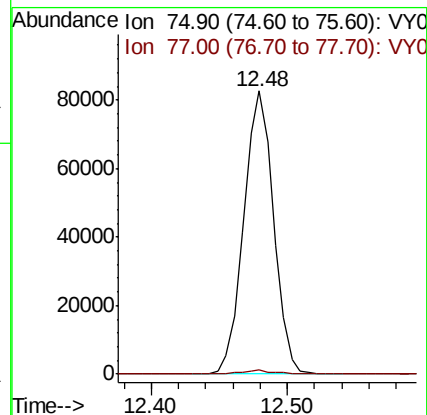
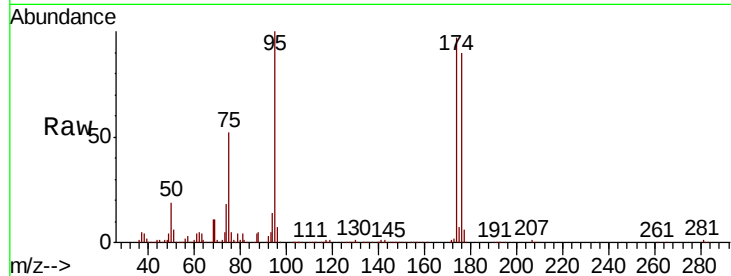
FK-GF-02-059-A

Tot Ion: 75 Resp: 126471

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 108.396 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003365.D

Acq: 27 Jul 2020 19:03

Tgt Ion: 75 Resp: 126471

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

89 0.0 37.3 55.9#

