

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072720\
 Data File : VY003366.D
 Acq On : 27 Jul 2020 19:27
 Operator : SY/MD
 Sample : L3449-04
 Misc : 7.03G/5ML/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Jul 28 05:07:17 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	434990	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	680863	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	616132	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	271765	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	220353	60.02	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	120.04%	
35) Dibromofluoromethane	7.72	113	209869	53.56	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.12%	
50) Toluene-d8	10.18	98	821159	56.37	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	112.74%	
62) 4-Bromofluorobenzene	12.48	95	256999	48.84	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.68%	

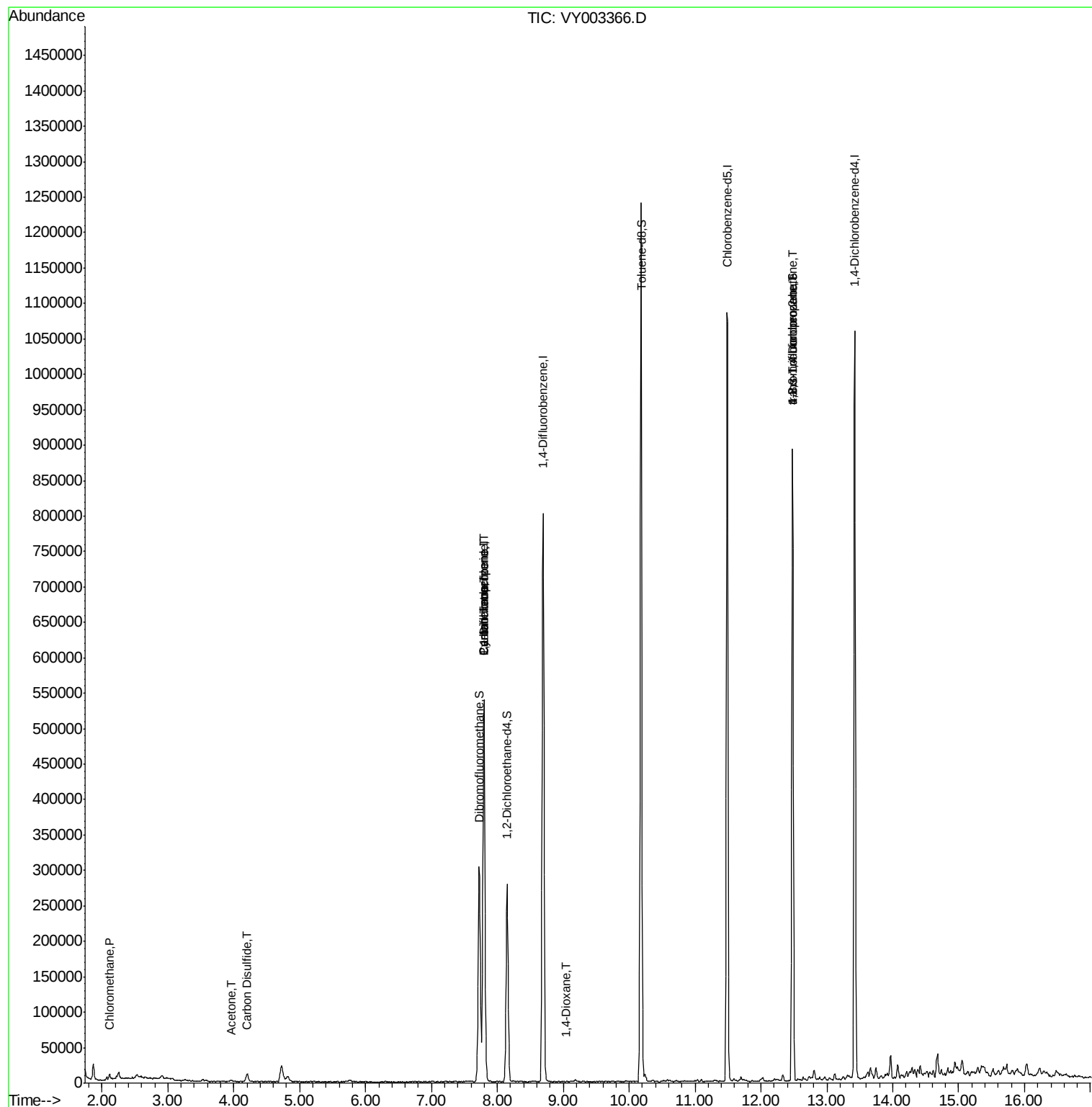
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.12	50	5186	1.199	ug/l	90
16) Acetone	3.95	43	3288	4.009	ug/l	93
17) Carbon Disulfide	4.21	76	20896	1.881	ug/l	98
20) Methylene Chloride	4.73	84	17339	Below Cal		95
31) Cyclohexane	7.80	56	8143	1.219	ug/l #	18
36) 1,1-Dichloropropene	7.80	75	29023	4.703	ug/l #	51
38) Carbon Tetrachloride	7.80	117	40292	6.325	ug/l #	16
49) 1,4-Dioxane	9.04	88	51	1.565	ug/l #	45
76) 1,2,3-Trichloropropane	12.48	75	129828	53.969	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	129828	105.035	ug/l #	13

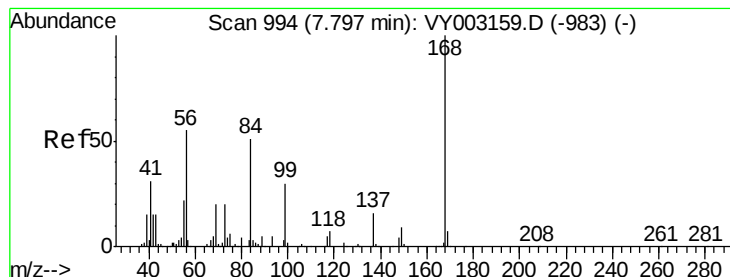
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY072720\
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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: VY003366.D

Acq: 27 Jul 2020 19:27

Instrument :

MSVOA_Y

ClientSampleId :

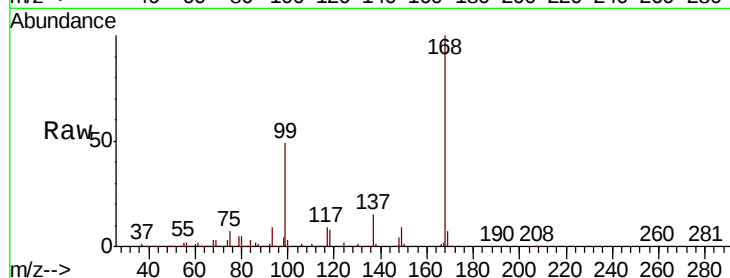
FK-GF-02-059-B

Tot Ion:168 Resp: 434990

Ion Ratio Lower Upper

168 100

99 49.4 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003366.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003366.D (-945) (-)

7.80

200000

150000

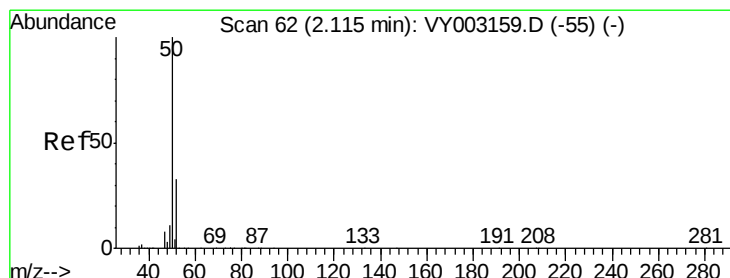
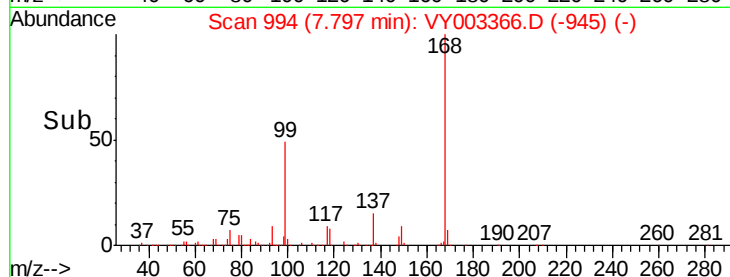
100000

50000

0

7.70 7.80 7.90 8.00

Time-->



#3

Chloromethane

Concen: 1.199 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY003366.D

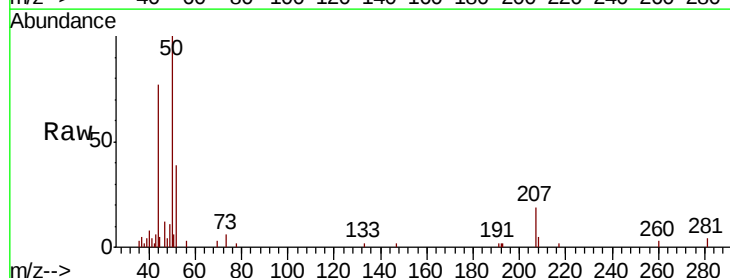
Acq: 27 Jul 2020 19:27

Tgt Ion: 50 Resp: 5186

Ion Ratio Lower Upper

50 100

52 38.9 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VY003366.D (-13) (-)

Ion 51.90 (51.60 to 52.60): VY003366.D (-13) (-)

2.12

4000

3000

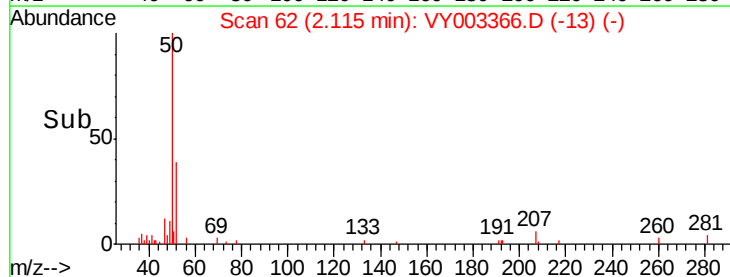
2000

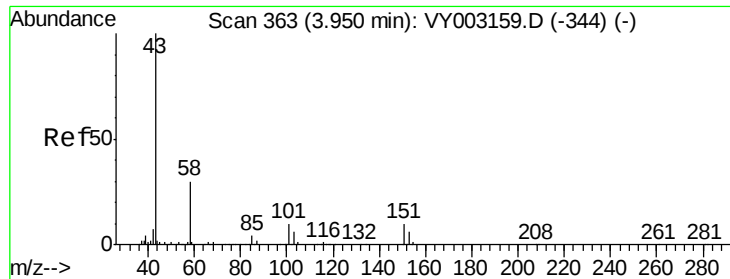
1000

0

2.05 2.10 2.15

Time-->





#16

Acetone

Concen: 4.009 ug/l

RT: 3.95 min Scan# 363

Delta R.T. 0.00 min

Lab File: VY003366.D

Acq: 27 Jul 2020 19:27

Instrument :

MSVOA_Y

ClientSampleId :

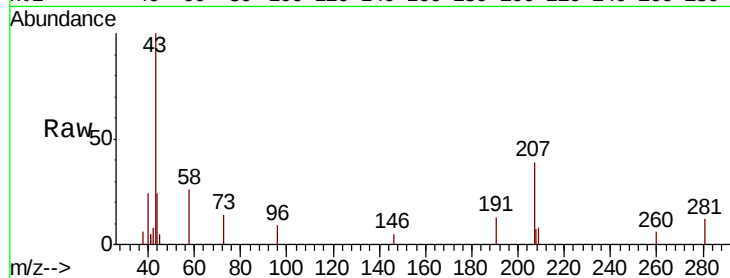
FK-GF-02-059-B

Tot Ion: 43 Resp: 3288

Ion Ratio Lower Upper

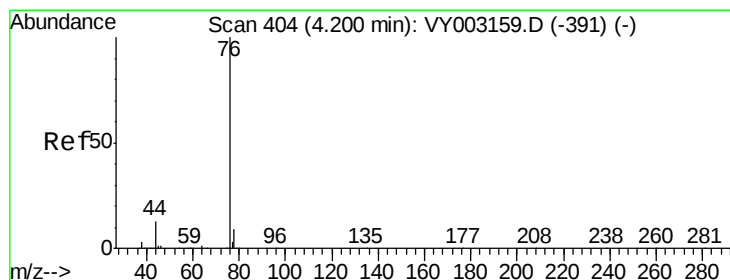
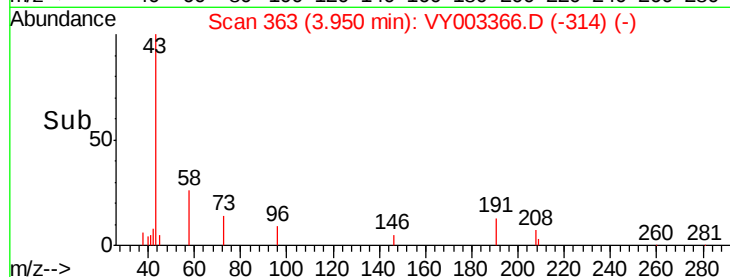
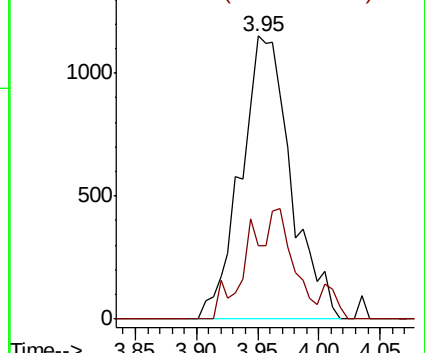
43 100

58 26.0 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#17

Carbon Disulfide

Concen: 1.881 ug/l

RT: 4.21 min Scan# 405

Delta R.T. 0.01 min

Lab File: VY003366.D

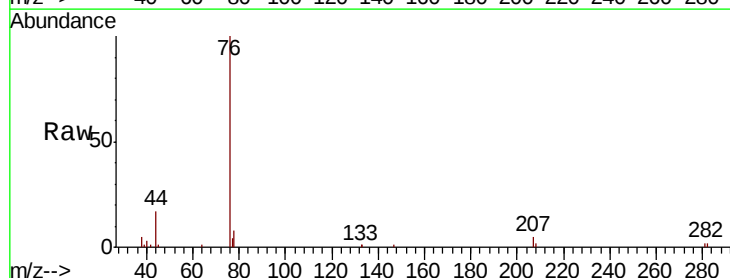
Acq: 27 Jul 2020 19:27

Tgt Ion: 76 Resp: 20896

Ion Ratio Lower Upper

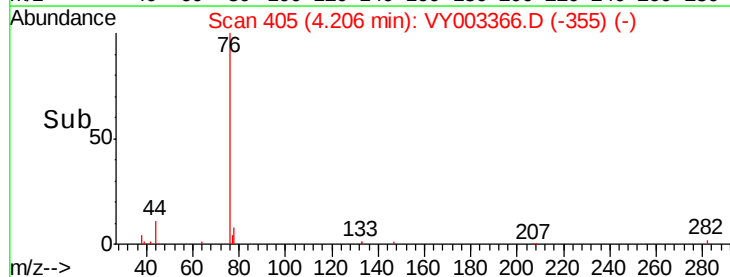
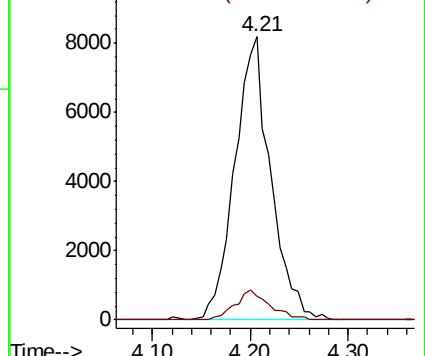
76 100

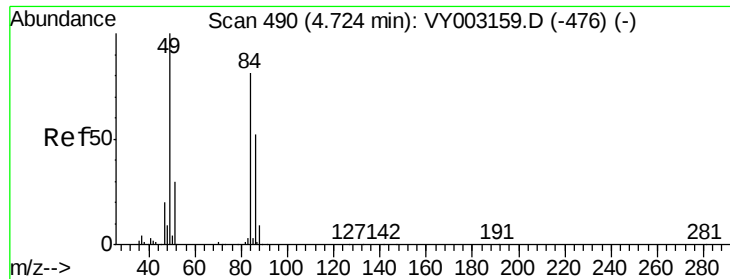
78 8.4 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

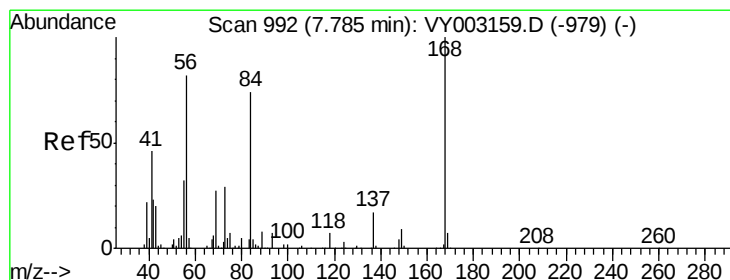
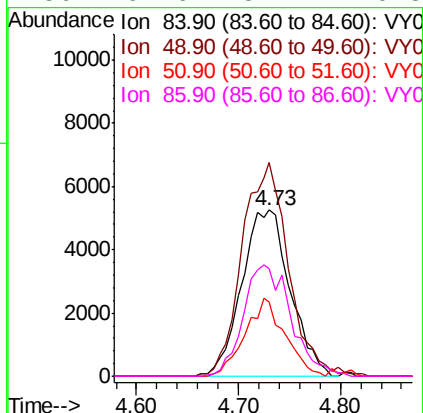
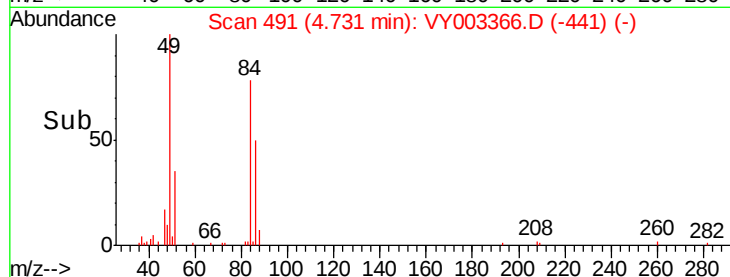
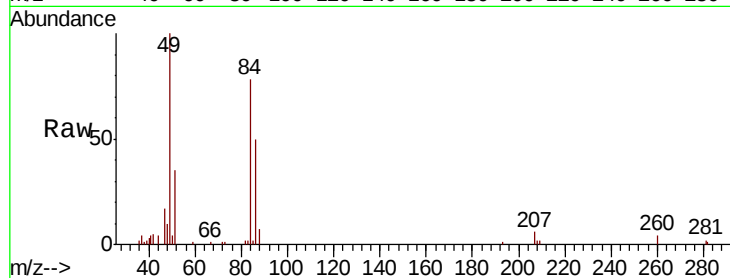




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY003366.D
Acq: 27 Jul 2020 19:27

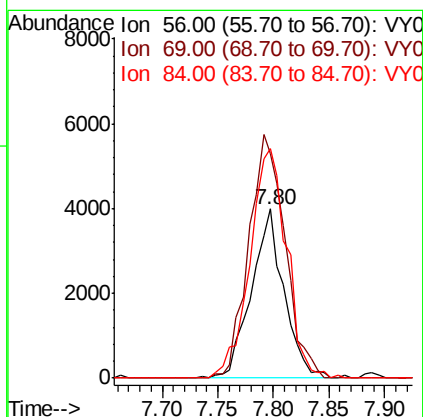
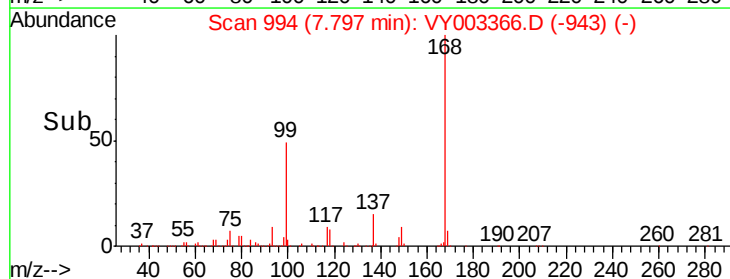
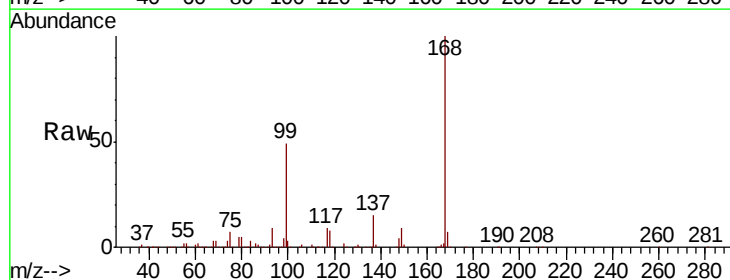
Instrument :
MSVOA_Y
ClientSampleId :
FK-GF-02-059-B

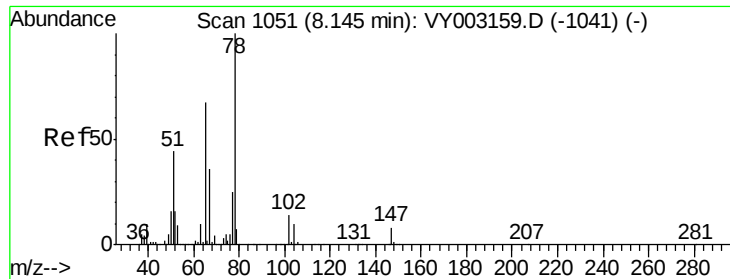
Tot Ion: 84 Resp: 17339
Ion Ratio Lower Upper
84 100
49 128.5 98.2 147.4
51 44.6 29.8 44.6
86 64.6 51.2 76.8



#31
Cyclohexane
Concen: 1.219 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY003366.D
Acq: 27 Jul 2020 19:27

Tgt Ion: 56 Resp: 8143
Ion Ratio Lower Upper
56 100
69 132.5 26.7 40.1#
84 136.0 72.3 108.5#

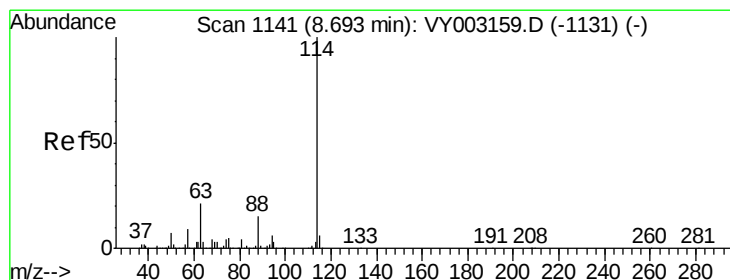
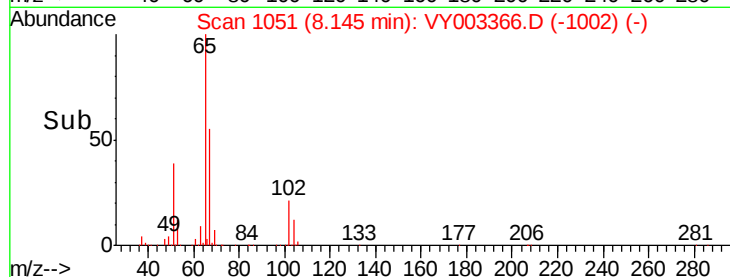
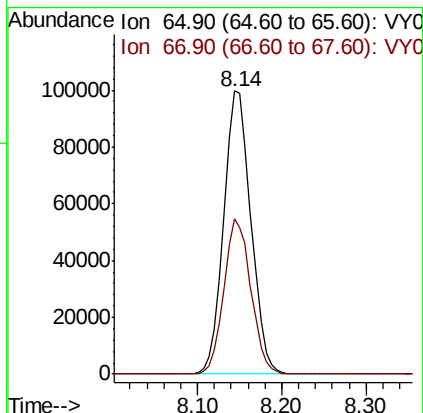
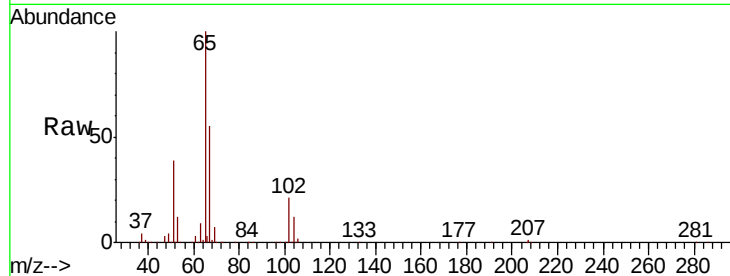




#33
 1,2-Dichloroethane-d4
 Concen: 60.018 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VY003366.D
 Acq: 27 Jul 2020 19:27

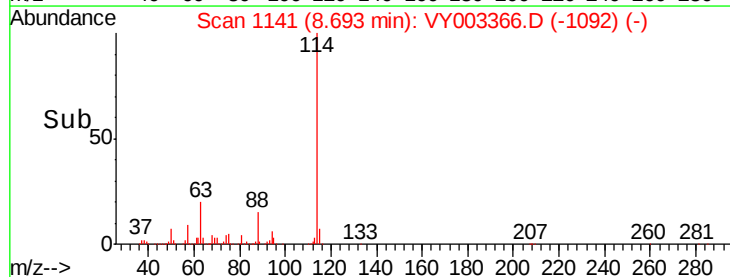
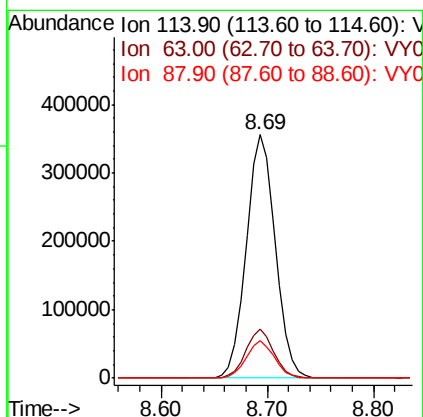
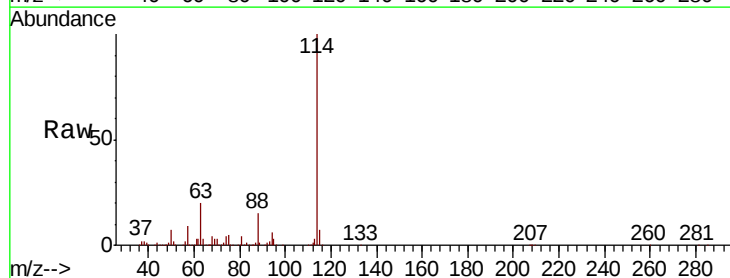
Instrument :
 MSVOA_Y
 ClientSampleId :
 FK-GF-02-059-B

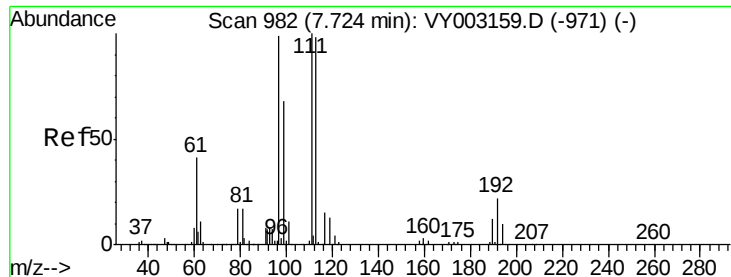
Tot Ion: 65 Resp: 220353
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY003366.D
 Acq: 27 Jul 2020 19:27

Tgt Ion: 114 Resp: 680863
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 41.2
 88 15.2 0.0 30.2





#35

Dibromofluoromethane

Concen: 53.563 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.00 min

Lab File: VY003366.D

Acq: 27 Jul 2020 19:27

Instrument :

MSVOA_Y

ClientSampleId :

FK-GF-02-059-B

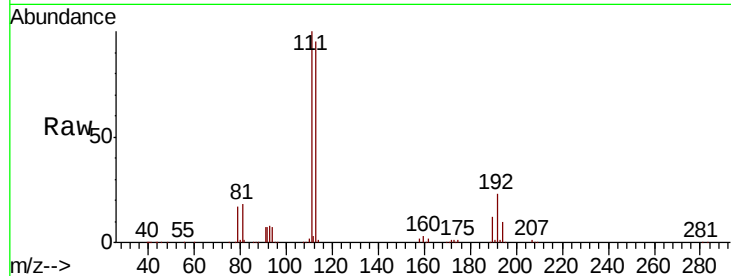
Tot Ion:113 Resp: 209869

Ion Ratio Lower Upper

113 100

111 103.5 82.1 123.1

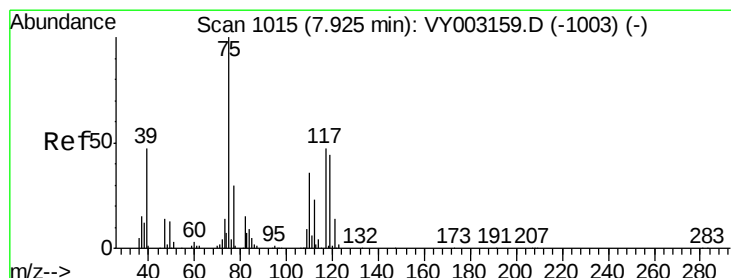
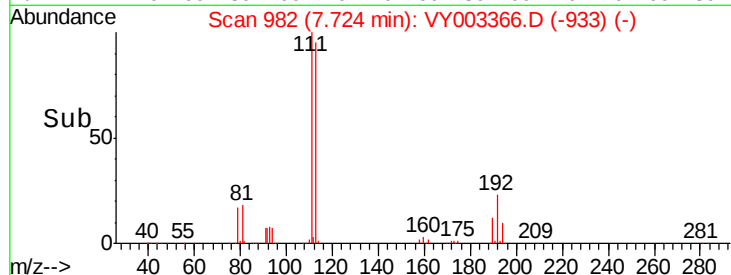
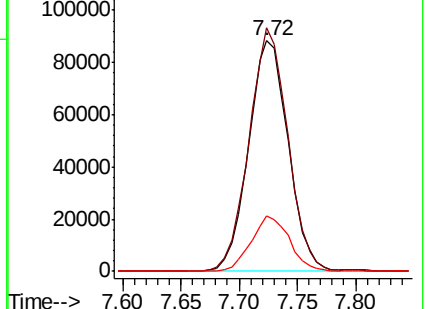
192 23.3 18.8 28.2



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: 4.703 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY003366.D

Acq: 27 Jul 2020 19:27

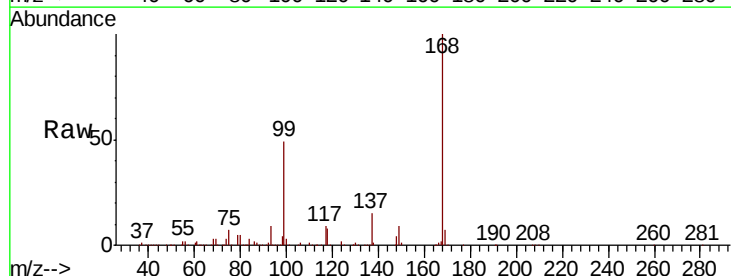
Tgt Ion: 75 Resp: 29023

Ion Ratio Lower Upper

75 100

110 10.6 18.1 54.1#

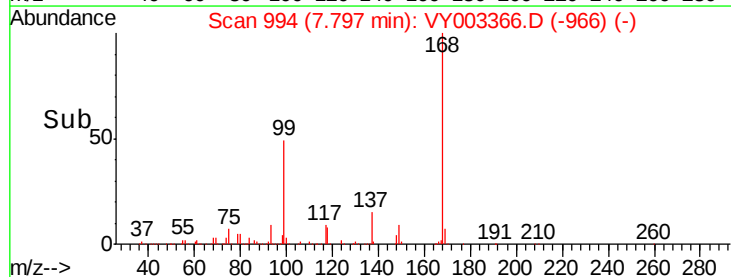
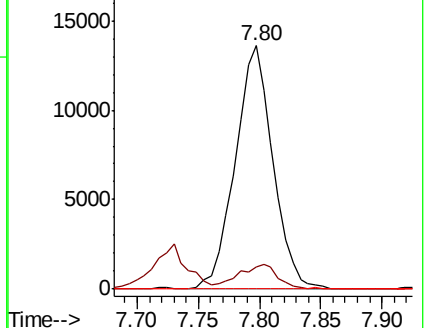
77 0.0 24.8 37.2#

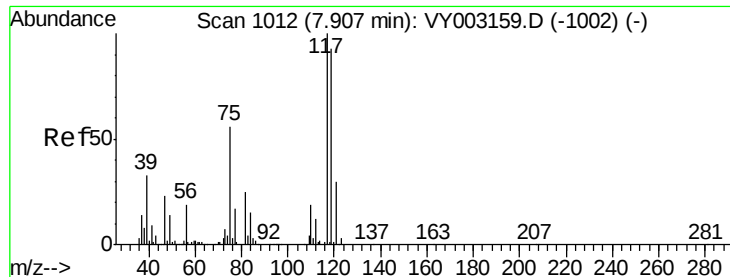


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 6.325 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003366.D

Acq: 27 Jul 2020 19:27

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FK-GF-02-059-B

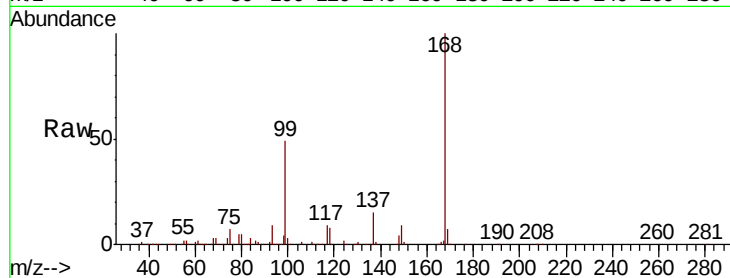
Tot Ion:117 Resp: 40292

Ion Ratio Lower Upper

117 100

119 4.2 74.5 111.7#

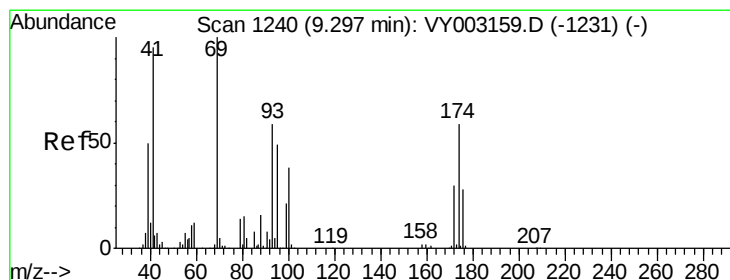
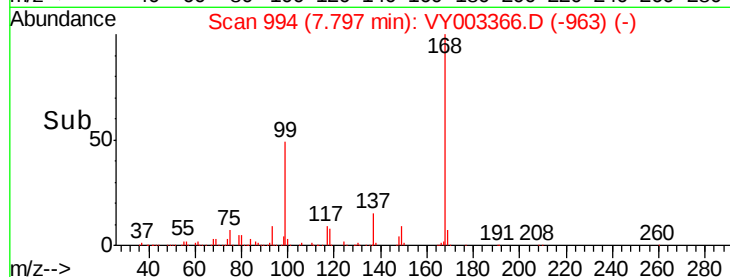
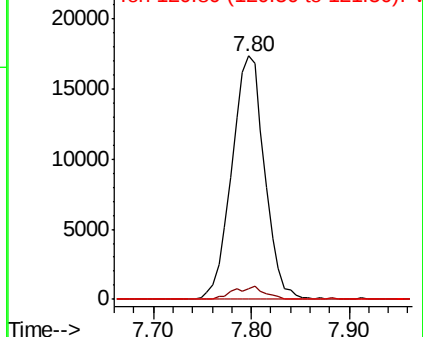
121 0.0 24.2 36.2#



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: 1.565 ug/l

RT: 9.04 min Scan# 1198

Delta R.T. -0.26 min

Lab File: VY003366.D

Acq: 27 Jul 2020 19:27

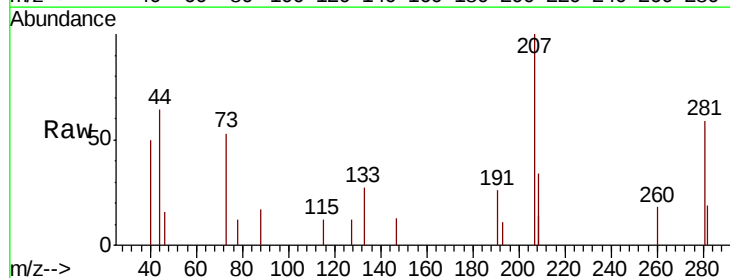
Tgt Ion: 88 Resp: 51

Ion Ratio Lower Upper

88 100

43 37.3 25.6 38.4

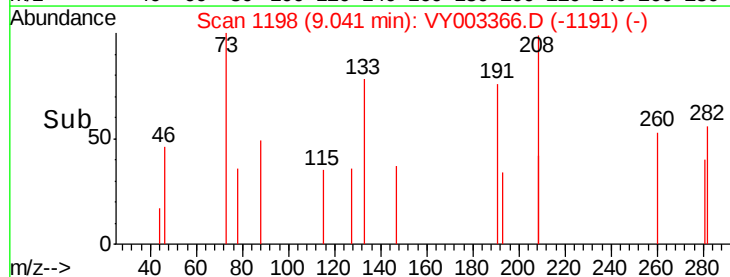
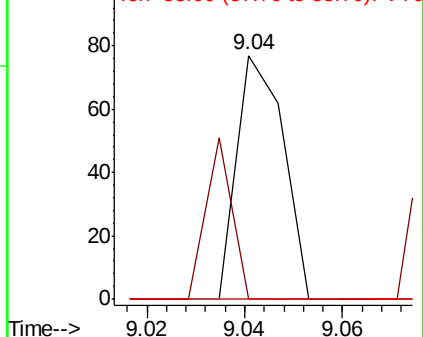
58 0.0 47.8 71.6#

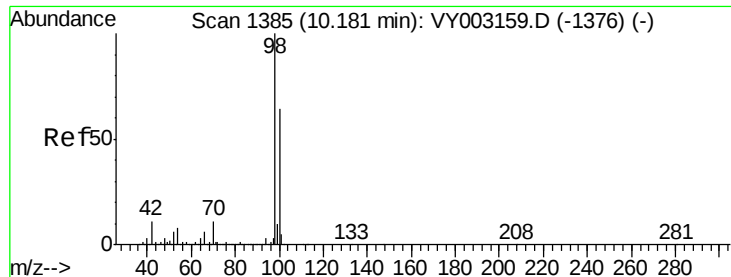


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#50

Toluene-d8

Concen: 56.370 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY003366.D

Acq: 27 Jul 2020 19:27

Instrument :

MSVOA_Y

ClientSampleId :

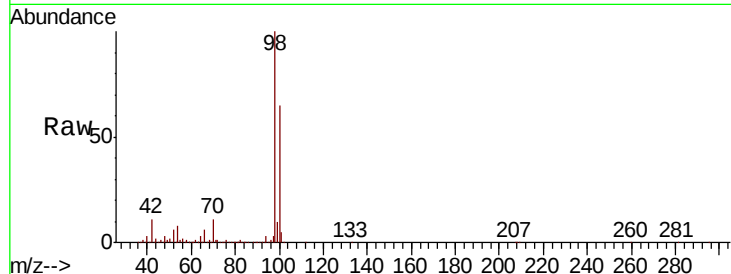
FK-GF-02-059-B

Tot Ion: 98 Resp: 821159

Ion Ratio Lower Upper

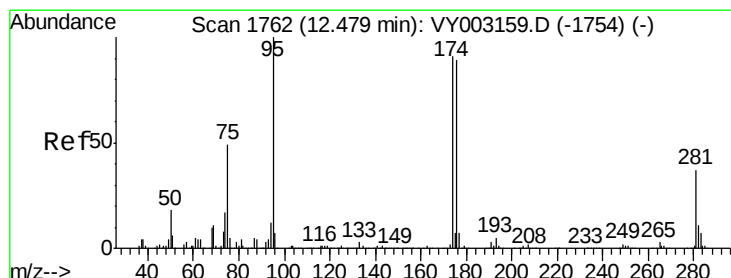
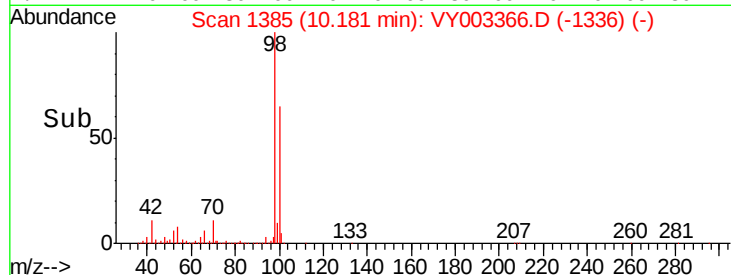
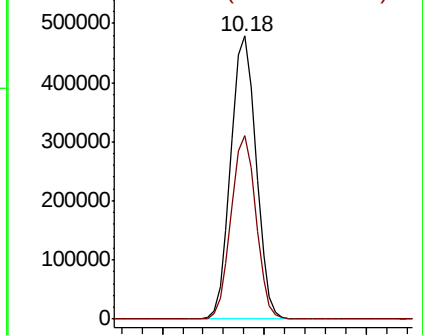
98 100

100 63.8 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY



#62

4-Bromofluorobenzene

Concen: 48.835 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY003366.D

Acq: 27 Jul 2020 19:27

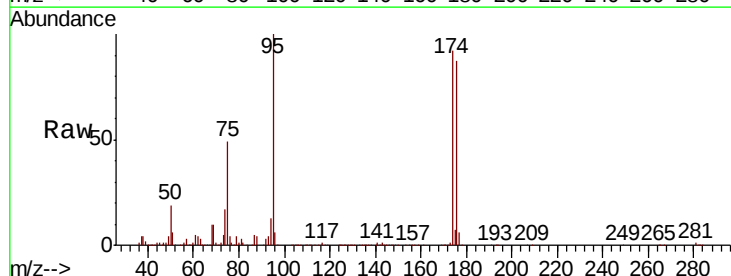
Tgt Ion: 95 Resp: 256999

Ion Ratio Lower Upper

95 100

174 93.9 0.0 190.6

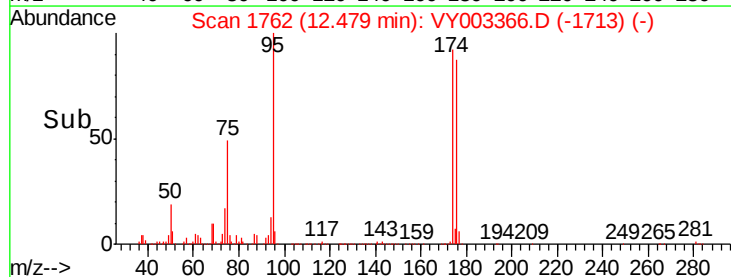
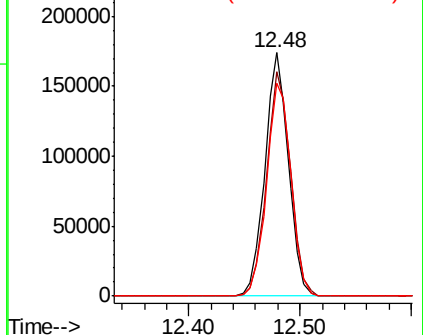
176 90.4 0.0 186.4

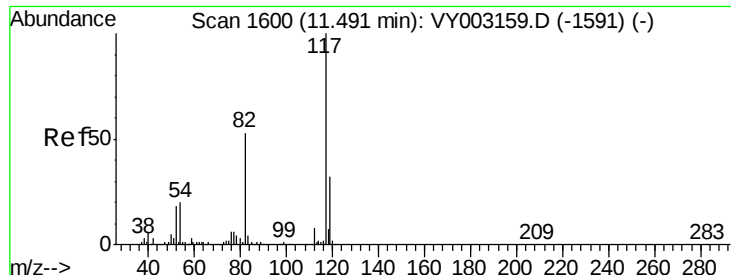


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

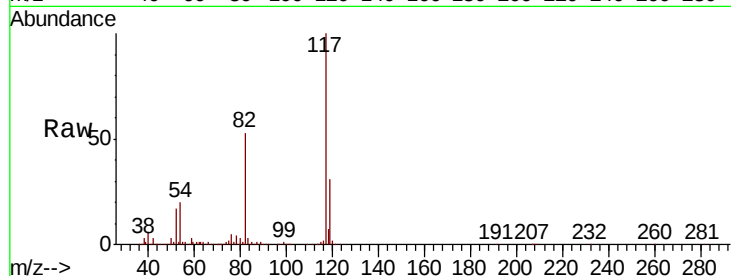




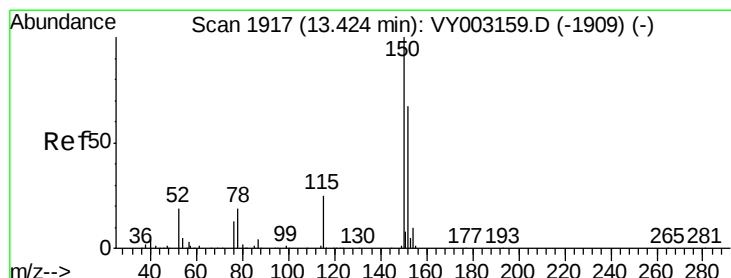
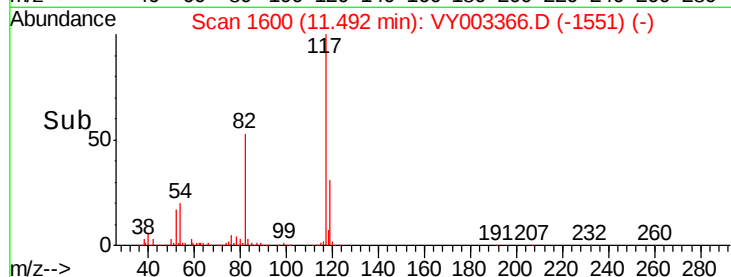
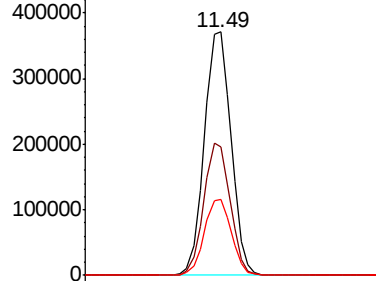
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY003366.D
Acq: 27 Jul 2020 19:27

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

Tot Ion:117 Resp: 616132
Ion Ratio Lower Upper
117 100
82 52.8 42.0 63.0
119 31.4 25.5 38.3

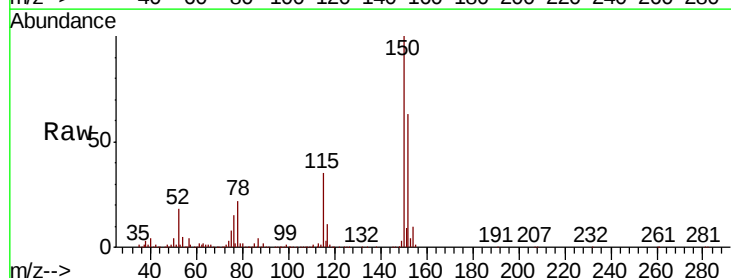


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

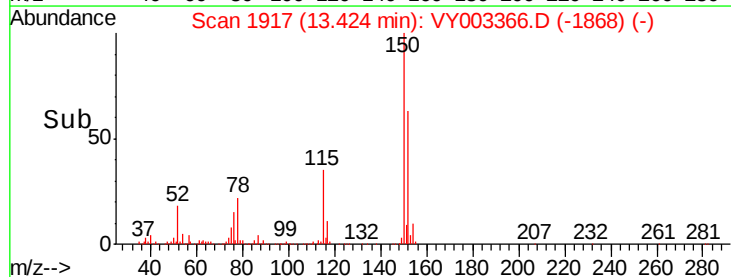
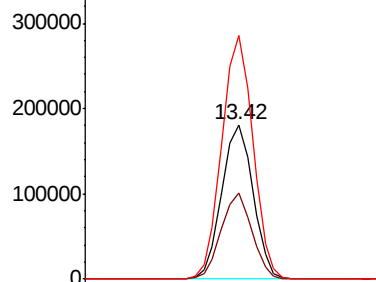


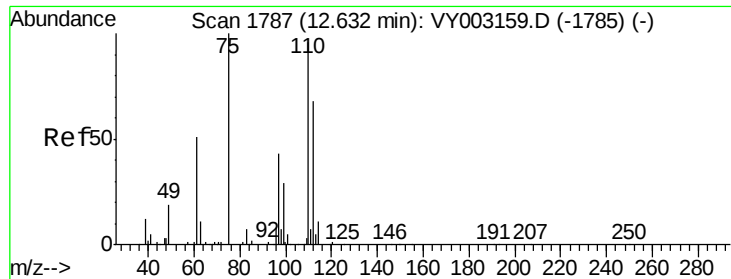
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY003366.D
Acq: 27 Jul 2020 19:27

Tgt Ion:152 Resp: 271765
Ion Ratio Lower Upper
152 100
115 54.9 26.9 80.7
150 156.7 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: 53.969 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003366.D

Acq: 27 Jul 2020 19:27

Instrument :

MSVOA_Y

ClientSampleId :

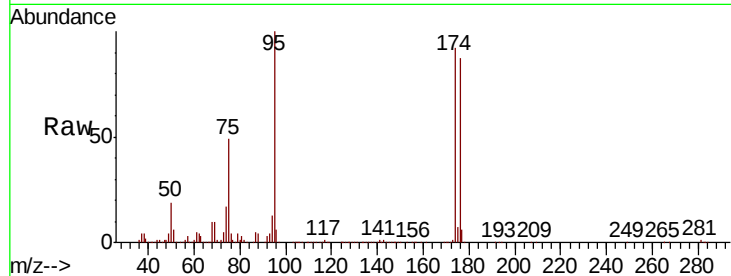
FK-GF-02-059-B

Tot Ion: 75 Resp: 129828

Ion Ratio Lower Upper

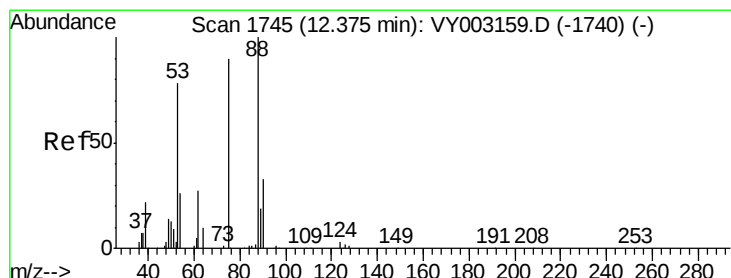
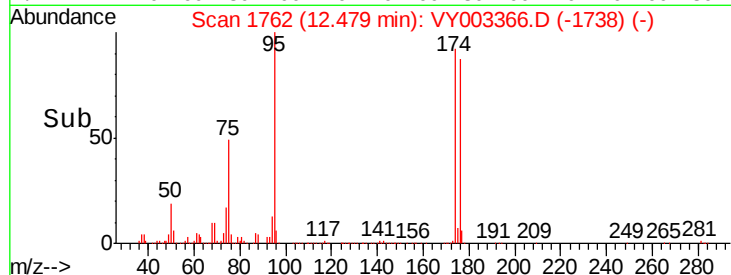
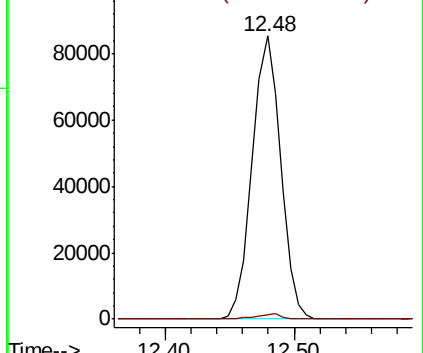
75 100

77 1.7 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: 105.035 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003366.D

Acq: 27 Jul 2020 19:27

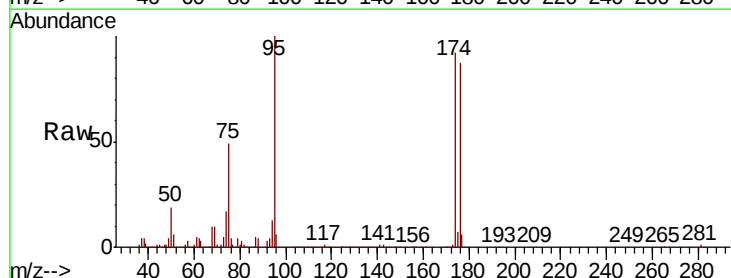
Tgt Ion: 75 Resp: 129828

Ion Ratio Lower Upper

75 100

53 0.1 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

