

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072720\
 Data File : VY003363.D
 Acq On : 27 Jul 2020 18:15
 Operator : SY/MD
 Sample : L3451-04
 Misc : 8.33G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 FK-GF-03-015-B

Quant Time: Jul 28 05:06:42 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	436968	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	679502	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	616968	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	272272	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	215600	58.46	ug/l	0.00
Spiked Amount			Recovery	=	116.92%	
35) Dibromofluoromethane	7.72	113	214113	54.76	ug/l	0.00
Spiked Amount			Recovery	=	109.52%	
50) Toluene-d8	10.18	98	825372	56.77	ug/l	0.00
Spiked Amount			Recovery	=	113.54%	
62) 4-Bromofluorobenzene	12.48	95	252612	48.10	ug/l	0.00
Spiked Amount			Recovery	=	96.20%	

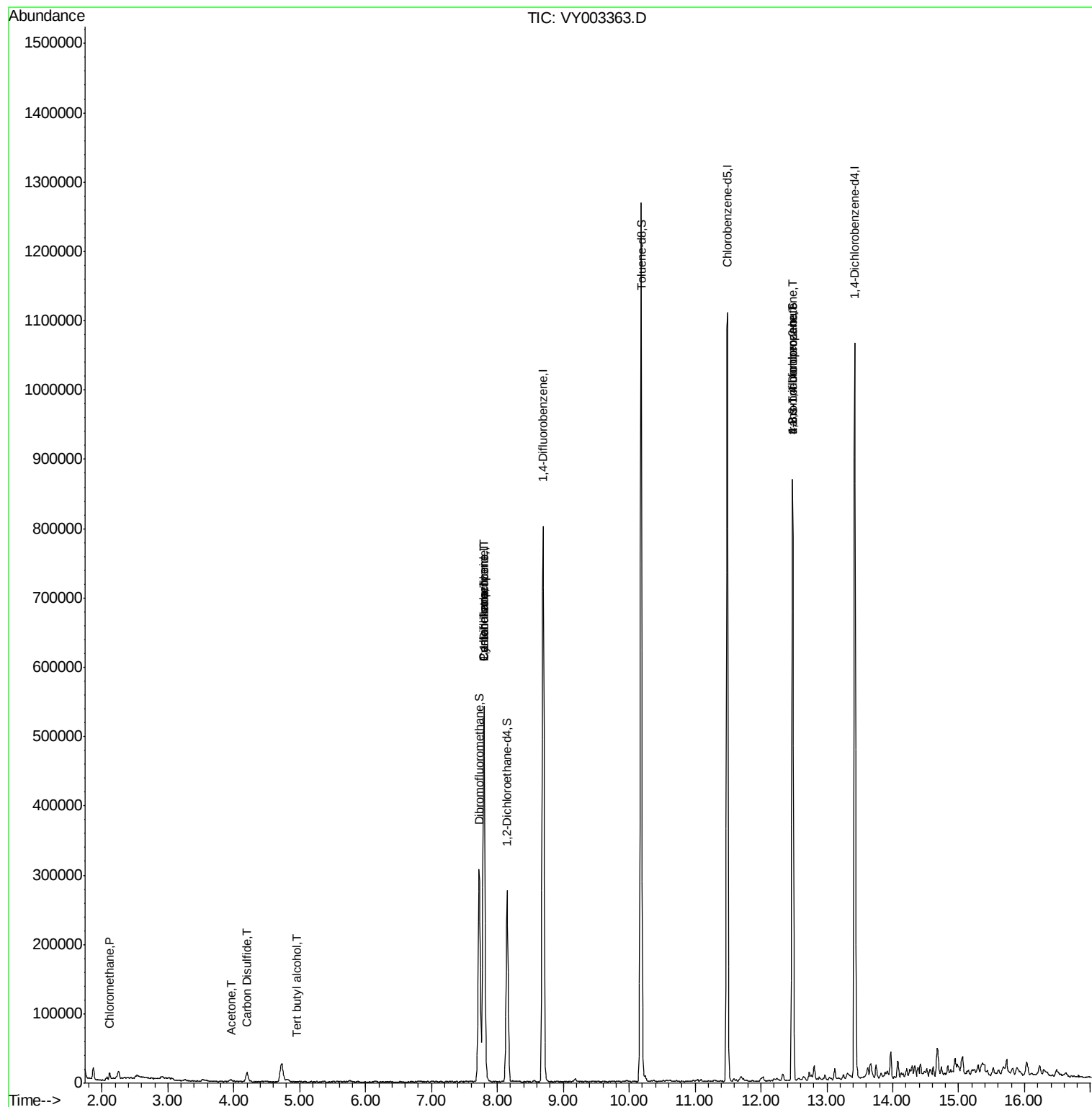
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.12	50	7126	1.640	ug/l #	84
11) Tert butyl alcohol	4.96	59	626	1.570	ug/l #	72
16) Acetone	3.96	43	4814	5.843	ug/l #	72
17) Carbon Disulfide	4.20	76	25737	2.307	ug/l	100
20) Methylene Chloride	4.73	84	21211	Below Cal	#	92
31) Cyclohexane	7.79	56	9035	1.347	ug/l #	10
36) 1,1-Dichloropropene	7.79	75	30317	4.923	ug/l #	49
38) Carbon Tetrachloride	7.80	117	39618	6.231	ug/l #	16
76) 1,2,3-Trichloropropane	12.48	75	132369	54.923	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	132369	106.891	ug/l #	13

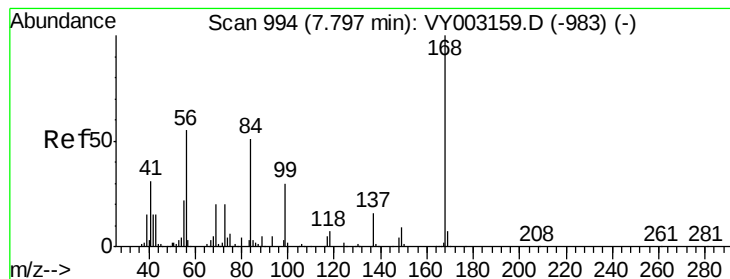
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY072720\
Data File : VY003363.D
Acq On : 27 Jul 2020 18:15
Operator : SY/MD
Sample : L3451-04
Misc : 8.33G/5ML/MSVOA Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
FK-GF-03-015-B

Quant Time: Jul 28 05:06:42 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: VY003363.D

Acq: 27 Jul 2020 18:15

Instrument :

MSVOA_Y

ClientSampleId :

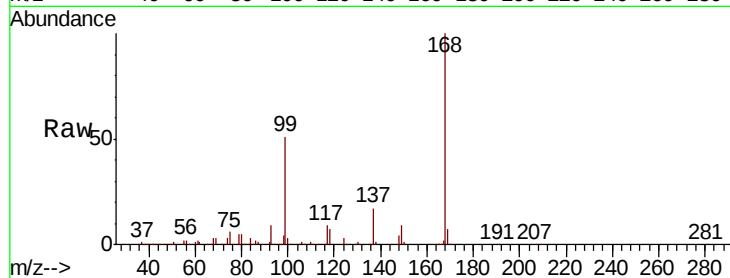
FK-GF-03-015-B

Tot Ion:168 Resp: 436968

Ion Ratio Lower Upper

168 100

99 51.4 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003363.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003363.D (-945) (-)

7.80

200000

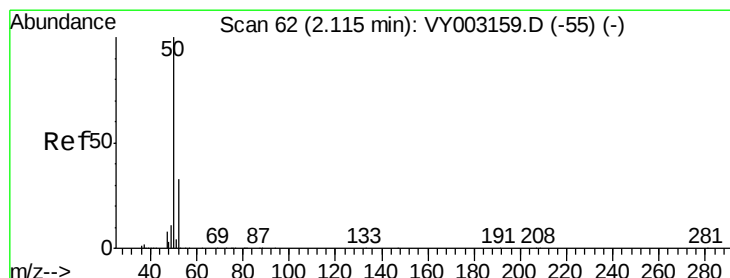
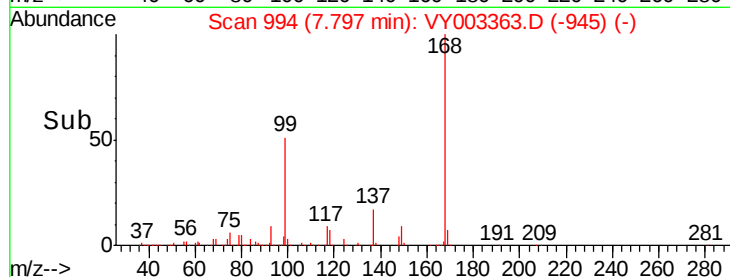
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 1.640 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY003363.D

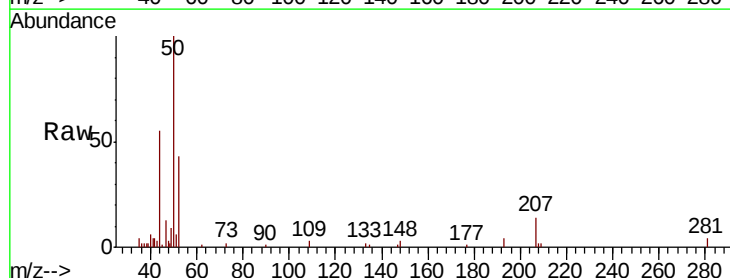
Acq: 27 Jul 2020 18:15

Tgt Ion: 50 Resp: 7126

Ion Ratio Lower Upper

50 100

52 42.5 26.6 39.8#



Abundance Ion 49.90 (49.60 to 50.60): VY003363.D (-13) (-)

Ion 51.90 (51.60 to 52.60): VY003363.D (-13) (-)

2.12

5000

4000

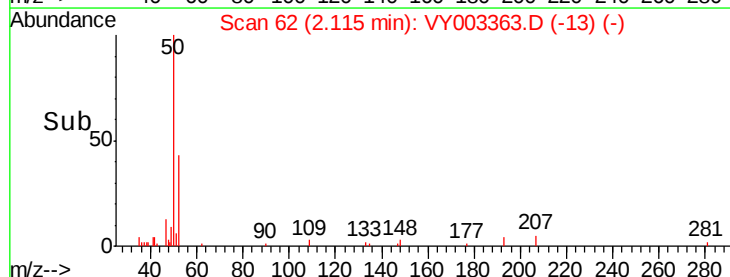
3000

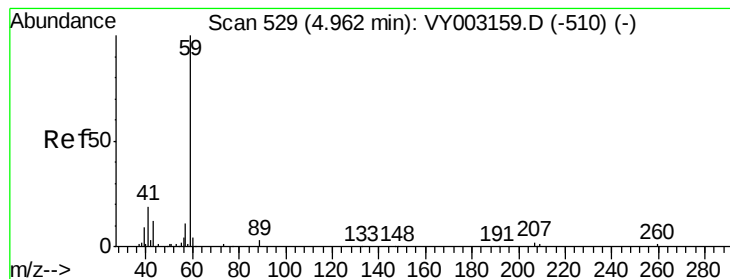
2000

1000

0

Time-->



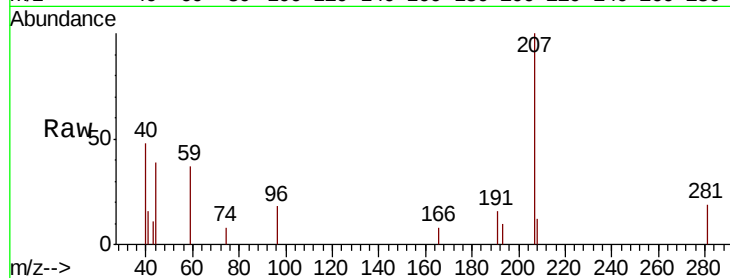


#11

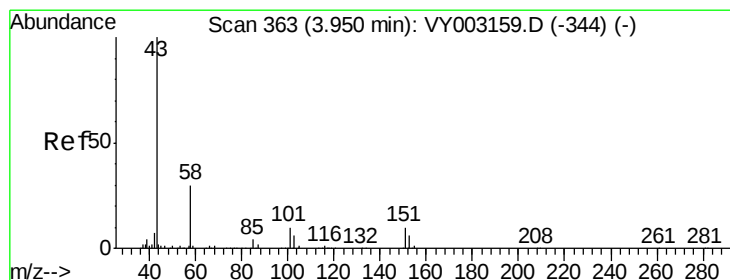
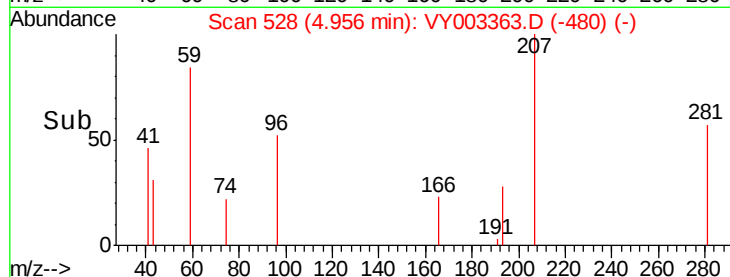
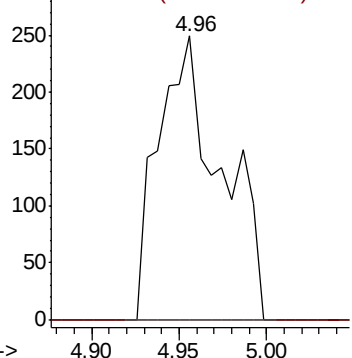
Tert butyl alcohol
 Concen: 1.570 ug/l
 RT: 4.96 min Scan# 528
 Delta R.T. -0.01 min
 Lab File: VY003363.D
 Acq: 27 Jul 2020 18:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 FK-GF-03-015-B

Tot Ion: 59 Resp: 626
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#



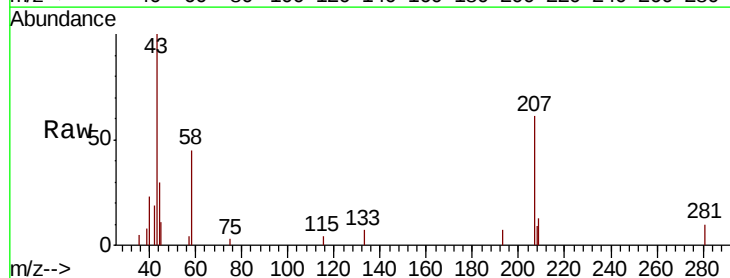
Abundance Ion 59.00 (58.70 to 59.70): VY0
 Ion 57.00 (56.70 to 57.70): VY0



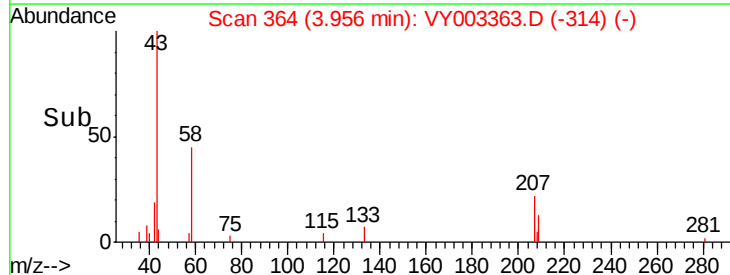
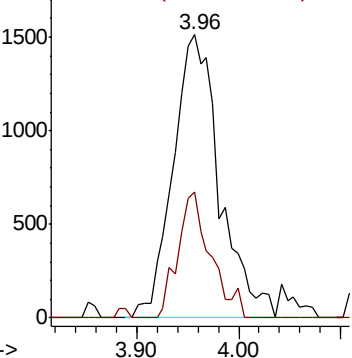
#16

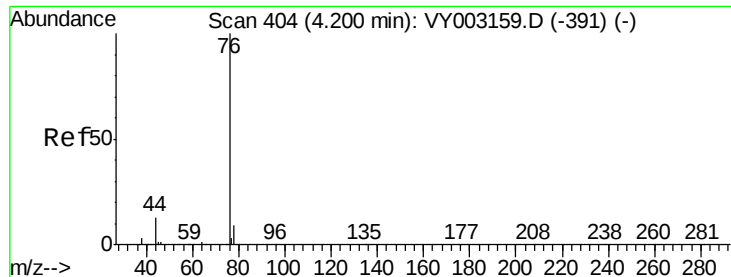
Acetone
 Concen: 5.843 ug/l
 RT: 3.96 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VY003363.D
 Acq: 27 Jul 2020 18:15

Tgt Ion: 43 Resp: 4814
 Ion Ratio Lower Upper
 43 100
 58 44.6 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: 2.307 ug/l

RT: 4.20 min Scan# 404

Delta R.T. -0.00 min

Lab File: VY003363.D

Acq: 27 Jul 2020 18:15

Instrument :

MSVOA_Y

ClientSampleId :

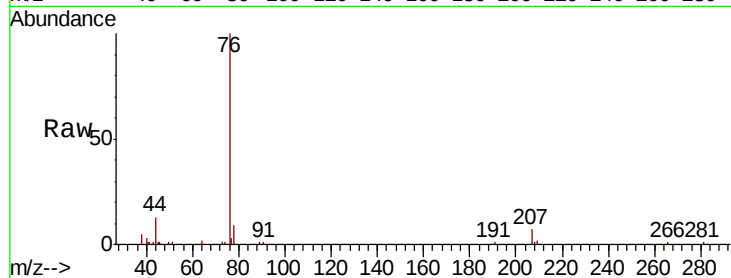
FK-GF-03-015-B

Tot Ion: 76 Resp: 25737

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

12000

10000

8000

6000

4000

2000

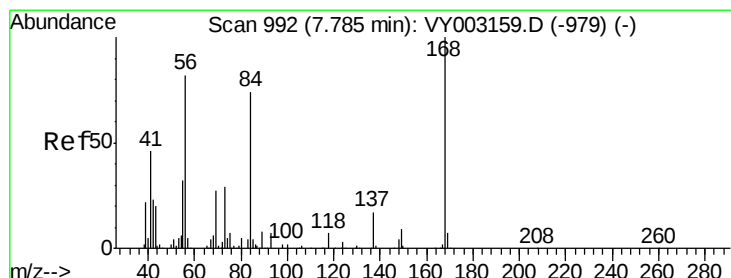
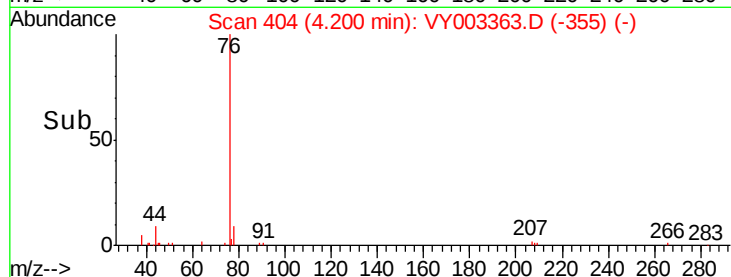
0

4.10

4.20

4.30

Time-->



#31

Cyclohexane

Concen: 1.347 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.01 min

Lab File: VY003363.D

Acq: 27 Jul 2020 18:15

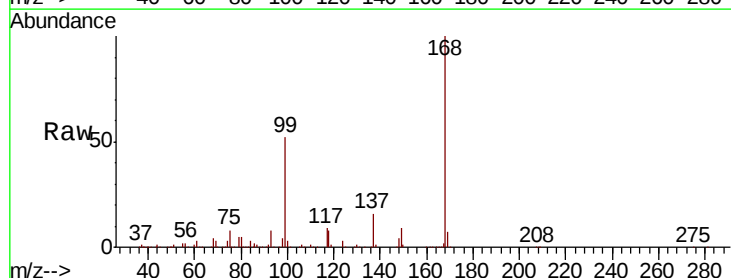
Tgt Ion: 56 Resp: 9035

Ion Ratio Lower Upper

56 100

69 133.2 26.7 40.1#

84 145.5 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

8000

6000

4000

2000

0

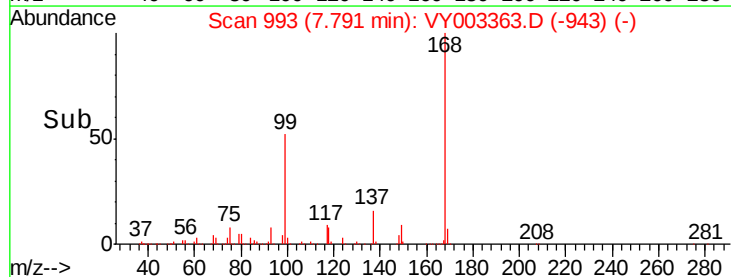
7.70

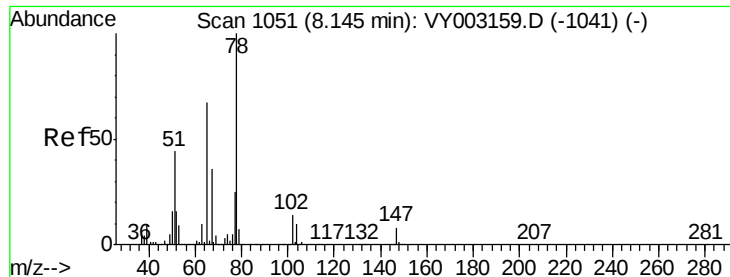
7.75

7.80

7.85

Time-->

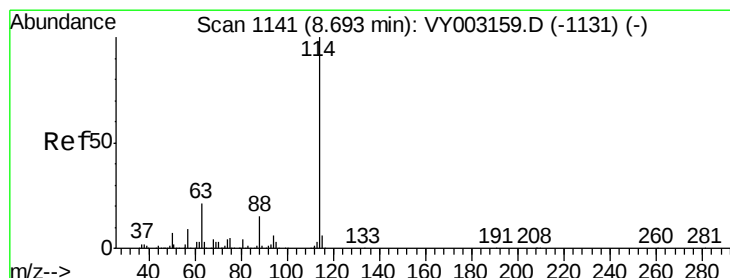
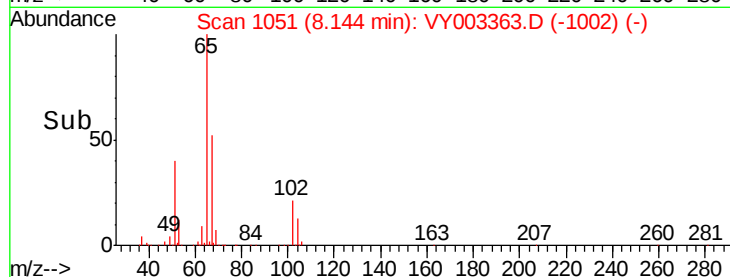
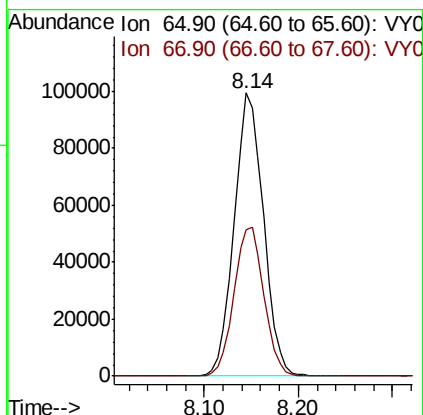
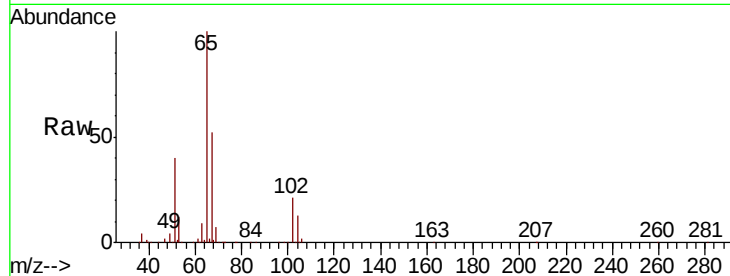




#33
 1,2-Dichloroethane-d4
 Concen: 58.457 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VY003363.D
 Acq: 27 Jul 2020 18:15

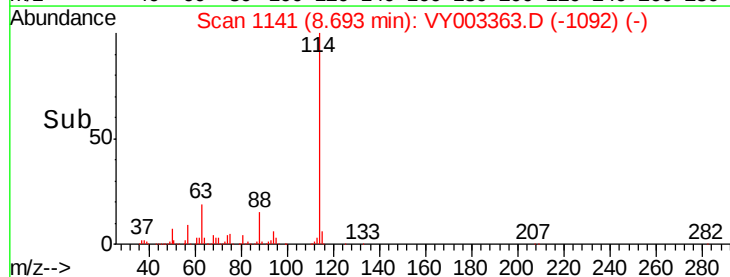
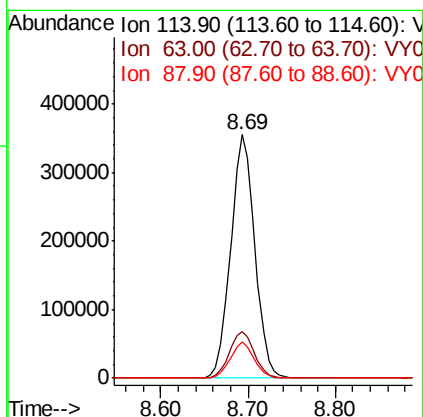
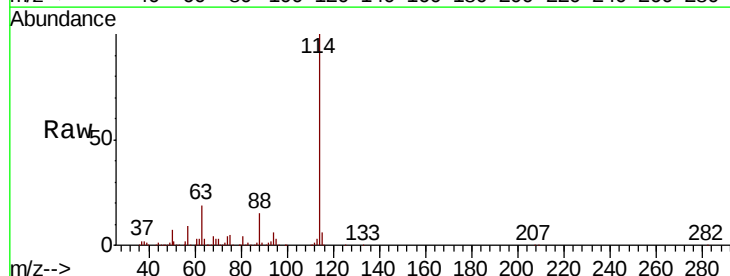
Instrument :
 MSVOA_Y
 ClientSampleId :
 FK-GF-03-015-B

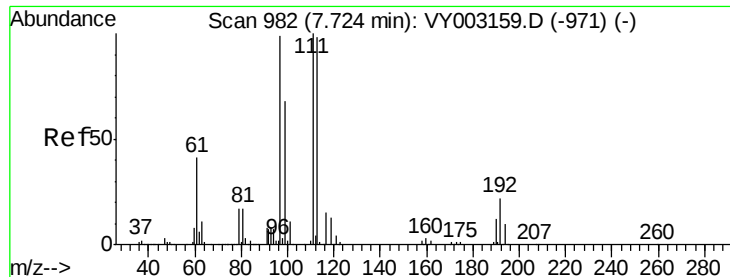
Tot Ion: 65 Resp: 215600
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003363.D
 Acq: 27 Jul 2020 18:15

Tgt Ion: 114 Resp: 679502
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 41.2
 88 15.0 0.0 30.2

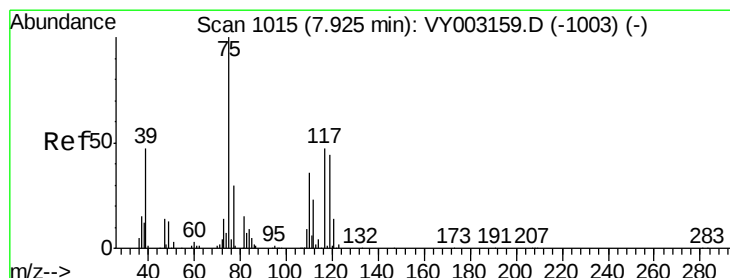
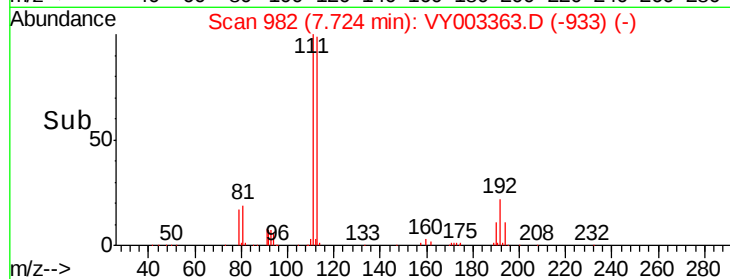
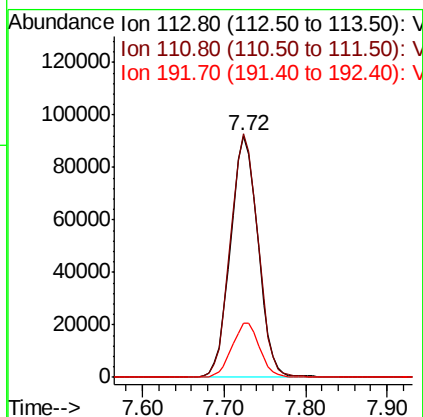
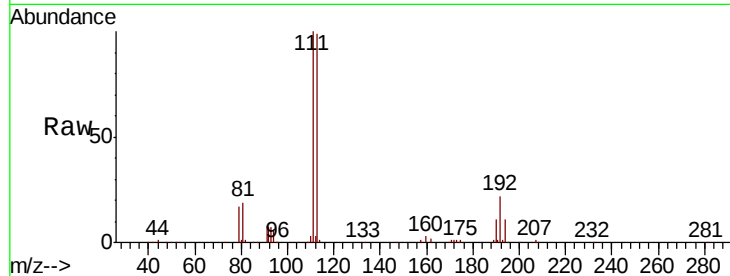




#35
 Dibromofluoromethane
 Concen: 54.755 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VY003363.D
 Acq: 27 Jul 2020 18:15

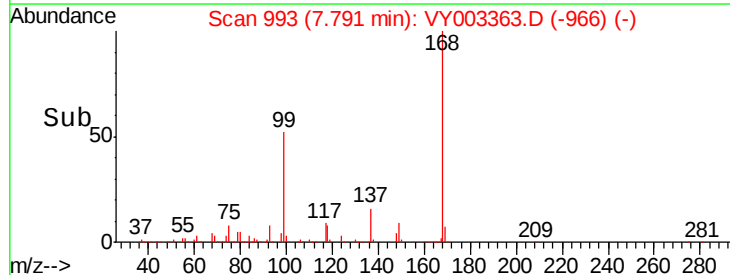
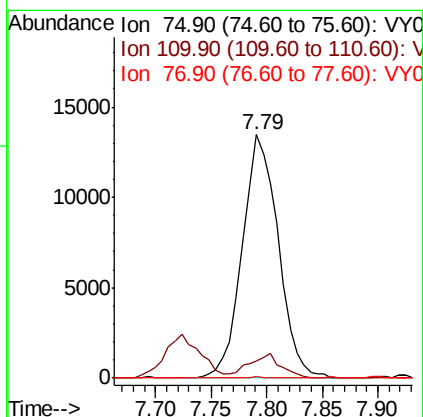
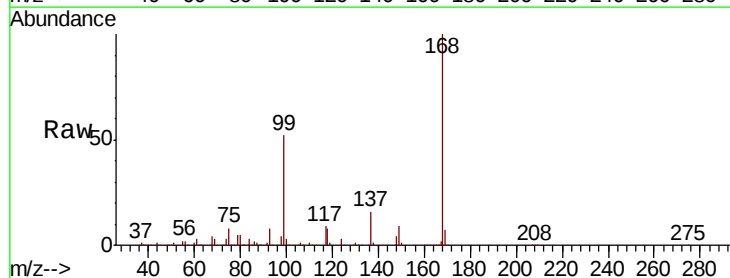
Instrument :
 MSVOA_Y
 ClientSampleId :
 FK-GF-03-015-B

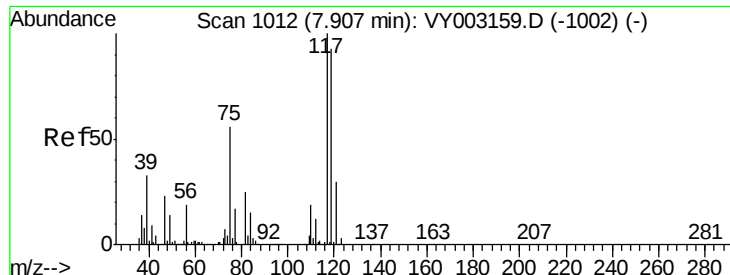
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.2	82.1	123.1
192	22.5	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 4.923 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VY003363.D
 Acq: 27 Jul 2020 18:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.2	18.1	54.1#
77	0.1	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 6.231 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003363.D

Acq: 27 Jul 2020 18:15

Instrument :

MSVOA_Y

ClientSampleId :

FK-GF-03-015-B

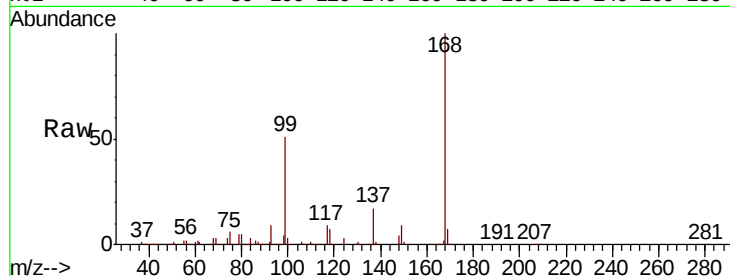
Tot Ion:117 Resp: 39618

Ion Ratio Lower Upper

117 100

119 3.6 74.5 111.7#

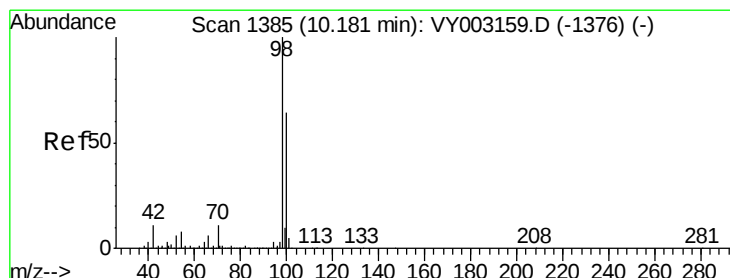
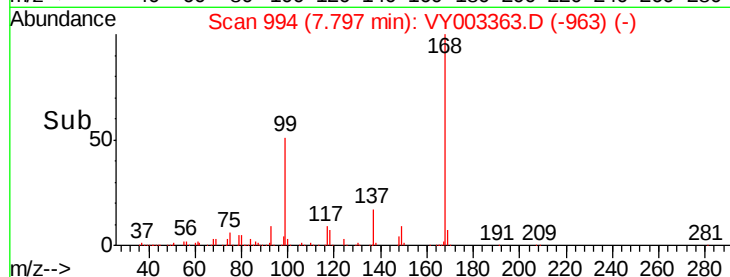
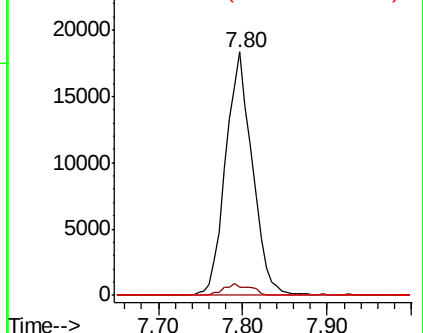
121 0.0 24.2 36.2#



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



#50

Toluene-d8

Concen: 56.773 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003363.D

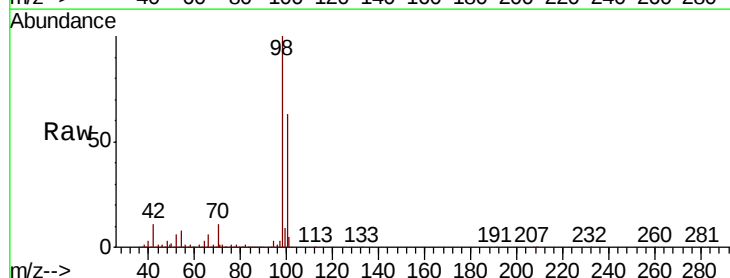
Acq: 27 Jul 2020 18:15

Tgt Ion: 98 Resp: 825372

Ion Ratio Lower Upper

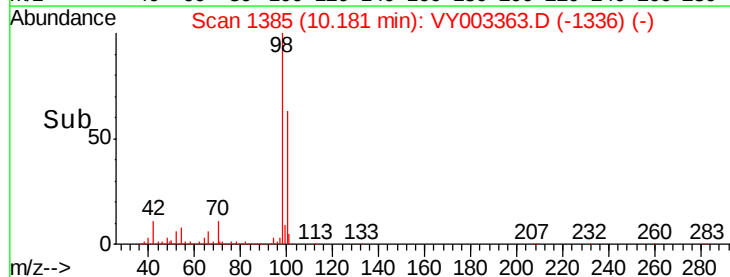
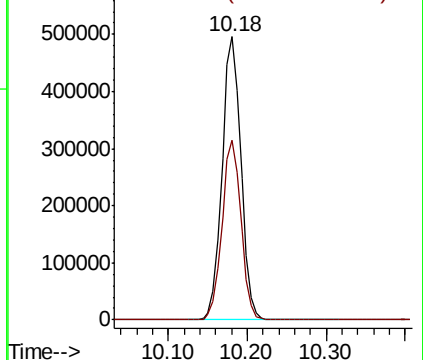
98 100

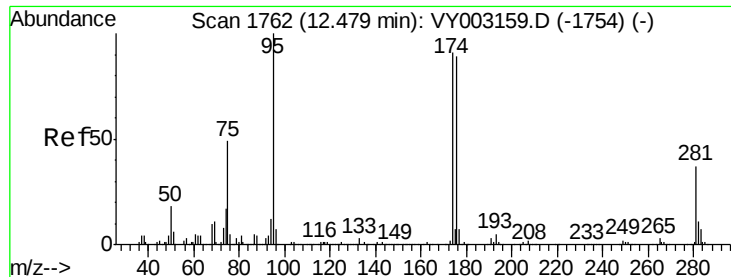
100 63.3 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#62

4-Bromofluorobenzene

Concen: 48.098 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003363.D

Acq: 27 Jul 2020 18:15

Instrument :

MSVOA_Y

ClientSampleId :

FK-GF-03-015-B

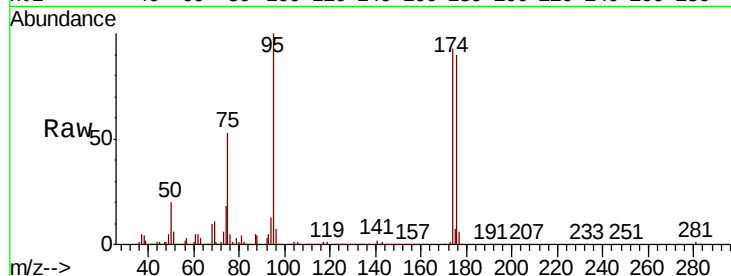
Tot Ion: 95 Resp: 252612

Ion Ratio Lower Upper

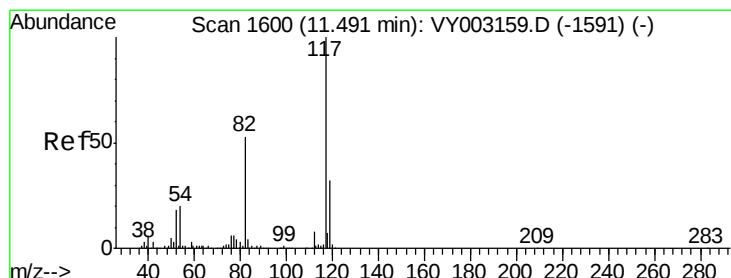
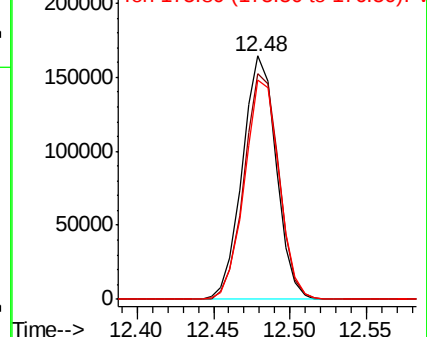
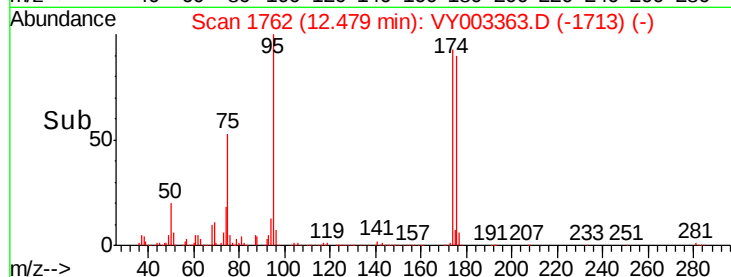
95 100

174 94.9 0.0 190.6

176 92.0 0.0 186.4



Abundance Ion 94.90 (94.60 to 95.60): VY003363.D (-1713) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VY003363.D

Acq: 27 Jul 2020 18:15

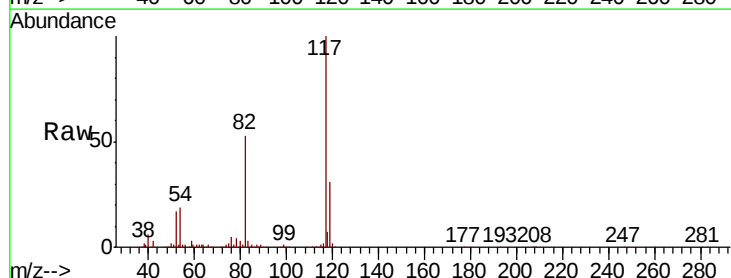
Tgt Ion: 117 Resp: 616968

Ion Ratio Lower Upper

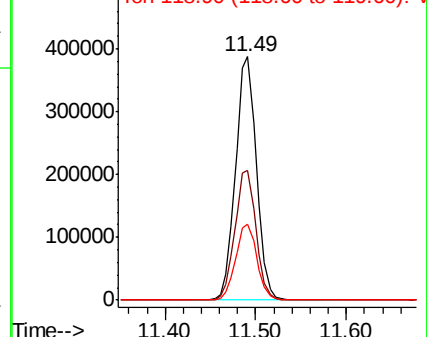
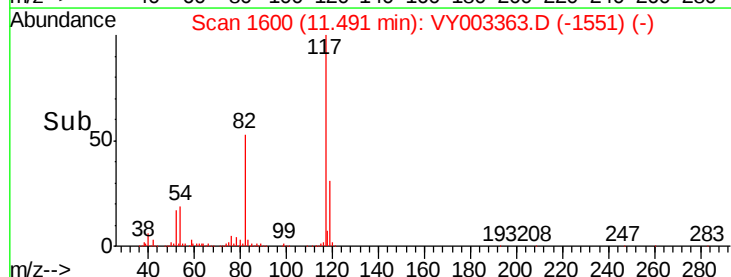
117 100

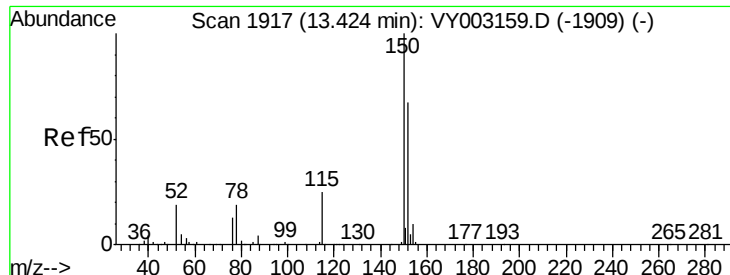
82 53.2 42.0 63.0

119 31.0 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): VY003363.D (-1551) (-)



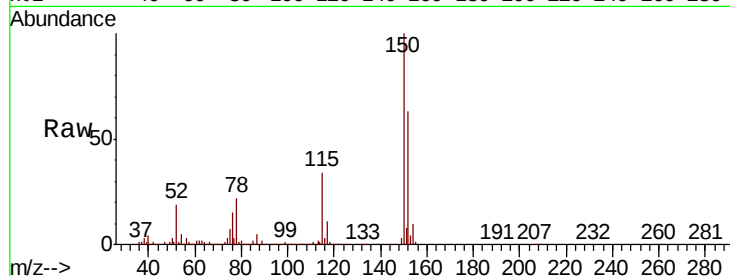


#72

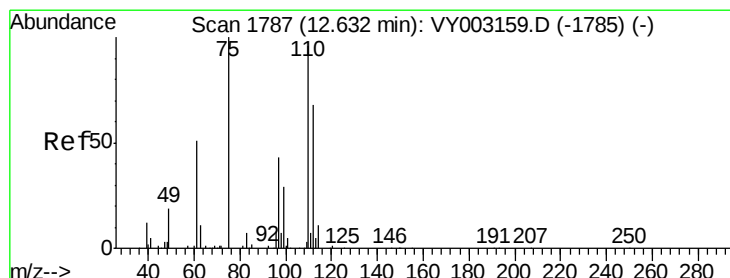
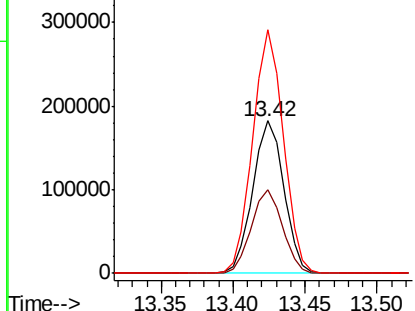
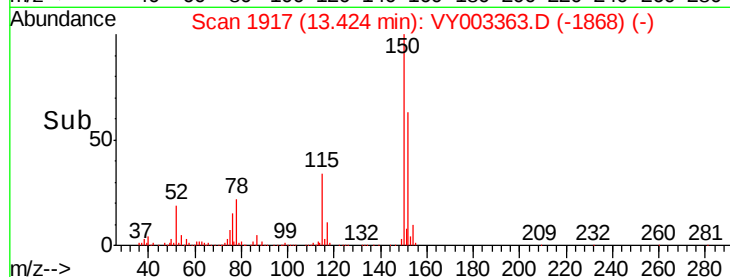
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003363.D
Acq: 27 Jul 2020 18:15

Instrument :
MSVOA_Y
ClientSampleId :
FK-GF-03-015-B

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.8	26.9	80.7
150	157.3	0.0	338.0



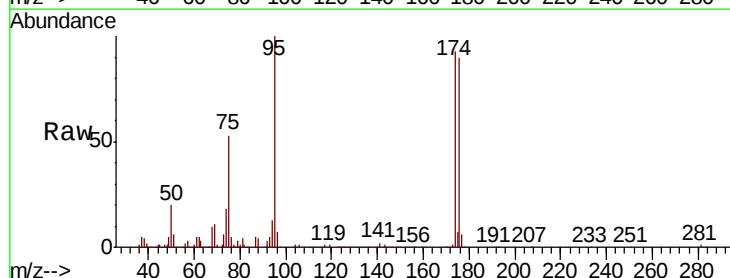
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



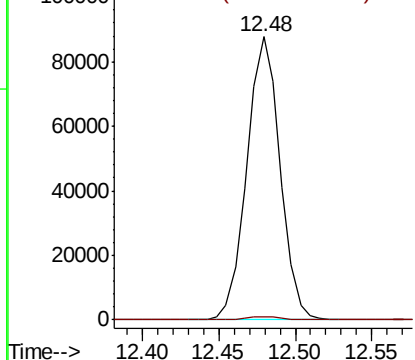
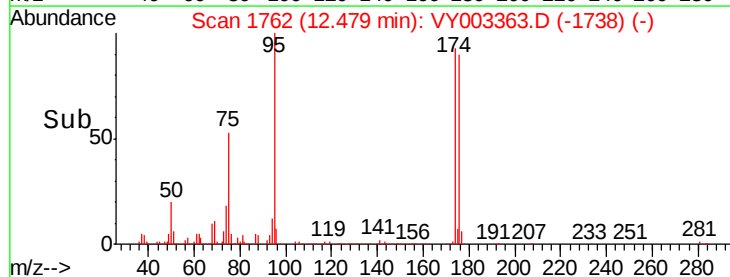
#76

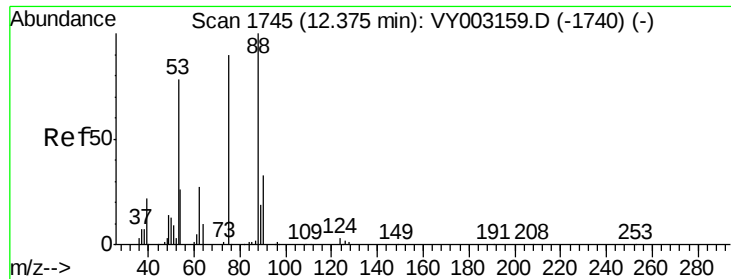
1,2,3-Trichloropropane
Concen: 54.923 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY003363.D
Acq: 27 Jul 2020 18:15

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	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: 106.891 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003363.D

Acq: 27 Jul 2020 18:15

Instrument :

MSVOA_Y

ClientSampleId :

FK-GF-03-015-B

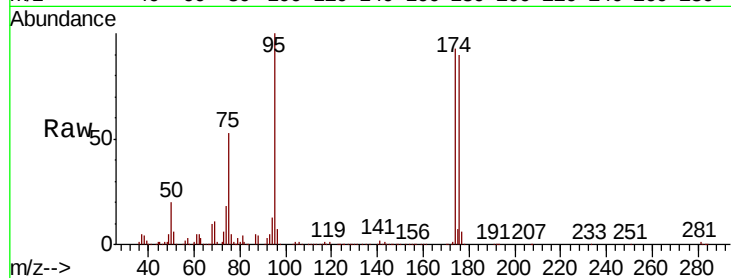
Tot Ion: 75 Resp: 132369

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

