

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110220\
 Data File : VY003476.D
 Acq On : 02 Nov 2020 16:34
 Operator : SY/MD
 Sample : L4564-02
 Misc : 5.47G/5ML/MSVOA Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 FK-GF-03-017-A

Quant Time: Nov 03 01:55:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y110220S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 02 12:40:51 2020
 Response via : Initial Calibration

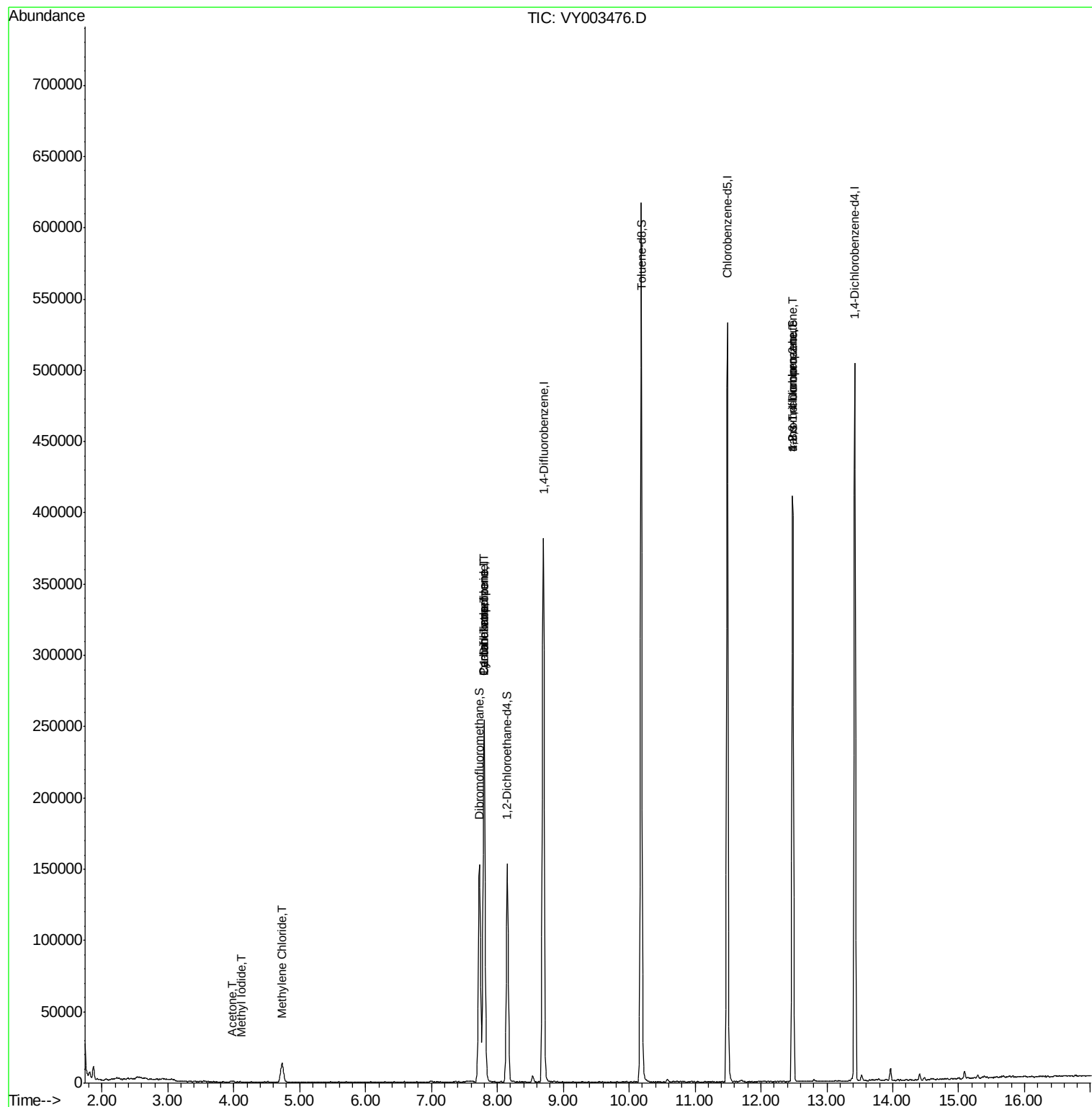
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	209196	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	332341	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	292004	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	129972	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	120714	56.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.58%	
35) Dibromofluoromethane	7.73	113	104536	51.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.38%	
50) Toluene-d8	10.18	98	398208	47.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.66%	
62) 4-Bromofluorobenzene	12.48	95	119915	43.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.04%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.11	142	359	4.789	ug/l #	48
16) Acetone	3.96	43	1044	1.476	ug/l	97
20) Methylene Chloride	4.74	84	9625	4.831	ug/l	90
31) Cyclohexane	7.80	56	3878	1.206	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	14308	4.566	ug/l #	50
38) Carbon Tetrachloride	7.80	117	18733	5.763	ug/l #	16
76) 1,2,3-Trichloropropane	12.48	75	65090	47.331	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	65090	98.789	ug/l #	12

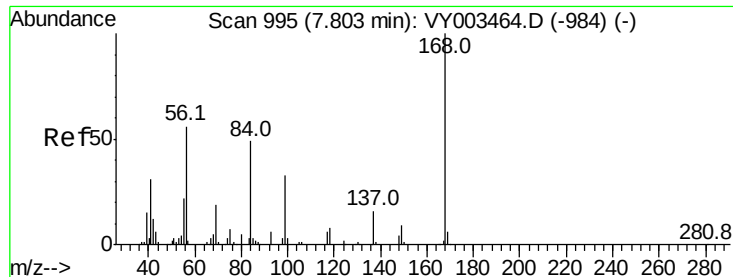
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VY003476.D
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Quant Time: Nov 03 01:55:16 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y110220S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 02 12:40:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.00 min

Lab File: VY003476.D

Acq: 02 Nov 2020 16:34

Instrument :

MSVOA_Y

ClientSampleId :

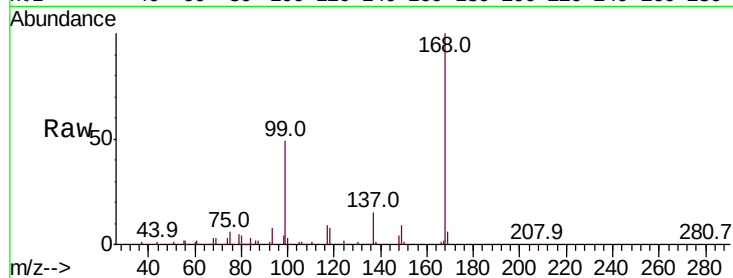
FK-GF-03-017-A

Tot Ion:168 Resp: 209196

Ion Ratio Lower Upper

168 100

99 49.0 39.7 59.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0

7.80

100000

80000

60000

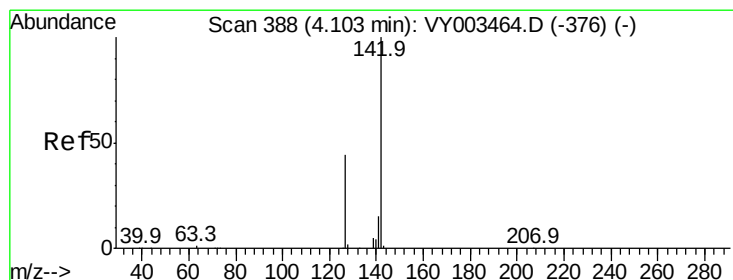
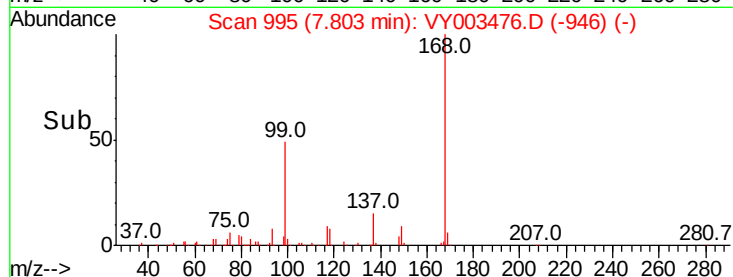
40000

20000

0

Time-->

7.70 7.80 7.90



#10

Methyl Iodide

Concen: 4.789 ug/l

RT: 4.11 min Scan# 389

Delta R.T. 0.01 min

Lab File: VY003476.D

Acq: 02 Nov 2020 16:34

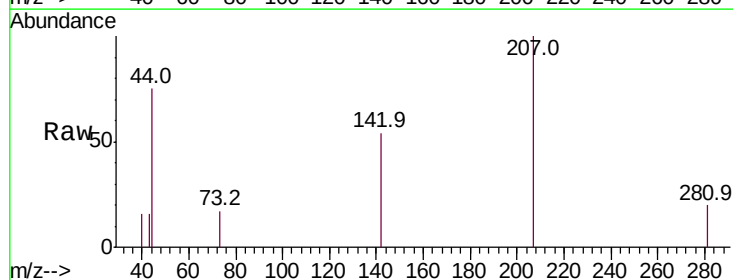
Tgt Ion:142 Resp: 359

Ion Ratio Lower Upper

142 100

127 6.1 34.5 51.7#

141 0.0 11.8 17.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

200

150

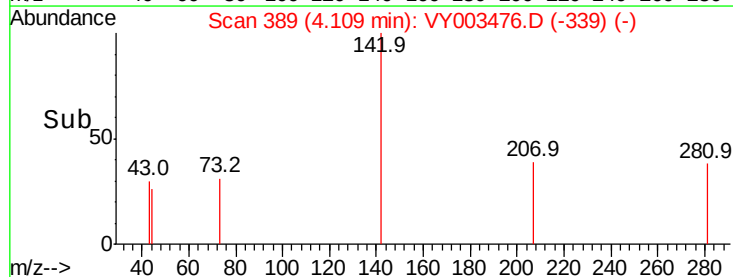
100

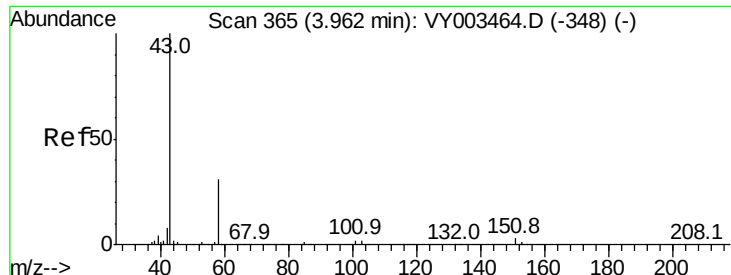
50

0

Time-->

4.05 4.10 4.15





#16

Acetone

Concen: 1.476 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.00 min

Lab File: VY003476.D

Acq: 02 Nov 2020 16:34

Instrument :

MSVOA_Y

ClientSampleId :

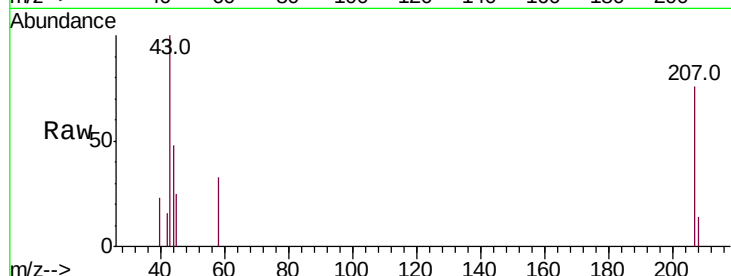
FK-GF-03-017-A

Tot Ion: 43 Resp: 1044

Ion Ratio Lower Upper

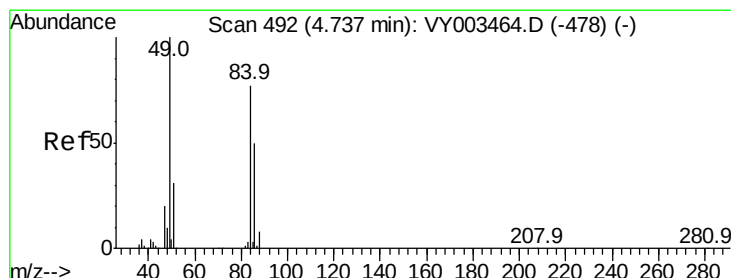
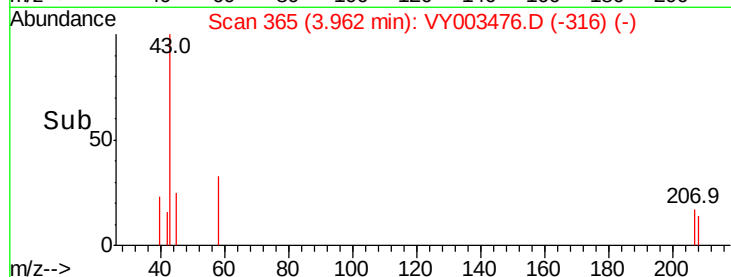
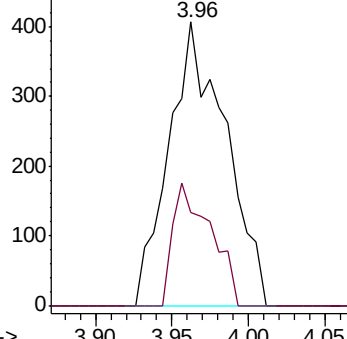
43 100

58 32.9 25.0 37.4



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#20

Methylene Chloride

Concen: 4.831 ug/l

RT: 4.74 min Scan# 492

Delta R.T. 0.00 min

Lab File: VY003476.D

Acq: 02 Nov 2020 16:34

Tgt Ion: 84 Resp: 9625

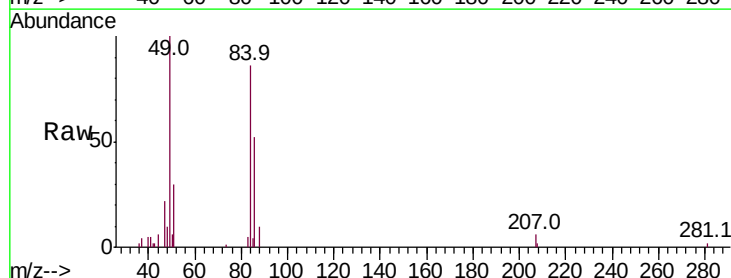
Ion Ratio Lower Upper

84 100

49 115.8 104.3 156.5

51 34.4 32.5 48.7

86 60.6 52.5 78.7

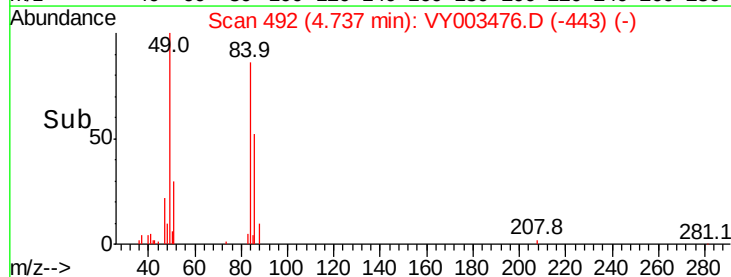
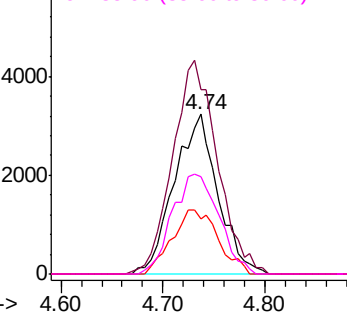


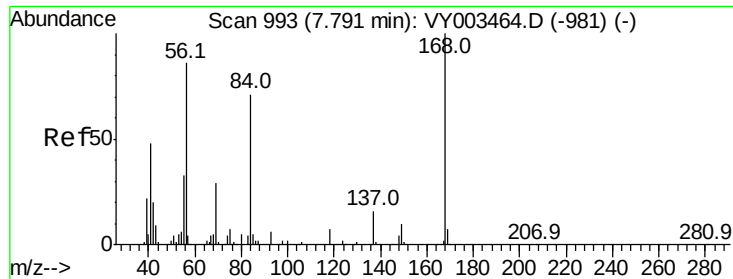
Abundance Ion 83.90 (83.60 to 84.60): VY0

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: 1.206 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY003476.D

Acq: 02 Nov 2020 16:34

Instrument :

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ClientSampleId :

FK-GF-03-017-A

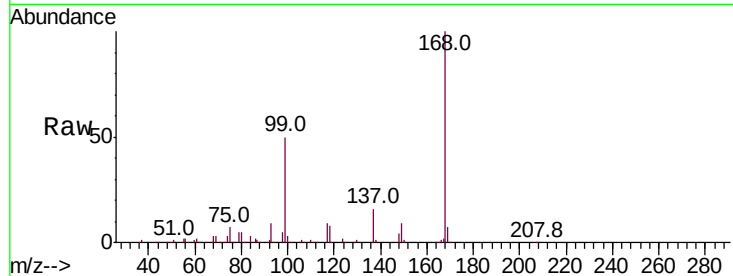
Tot Ion: 56 Resp: 3878

Ion Ratio Lower Upper

56 100

69 155.8 26.6 39.8#

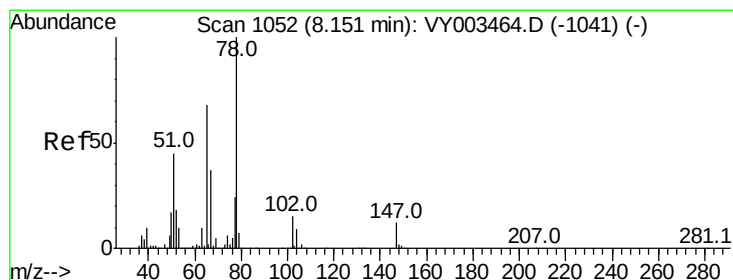
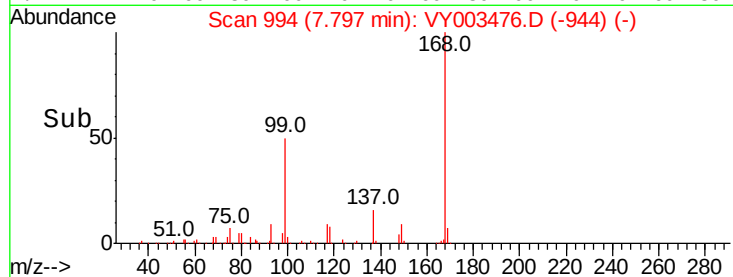
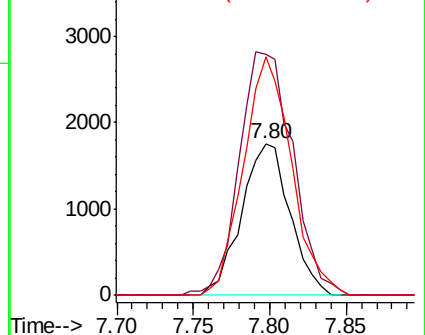
84 157.7 65.9 98.9#



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: 56.286 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY003476.D

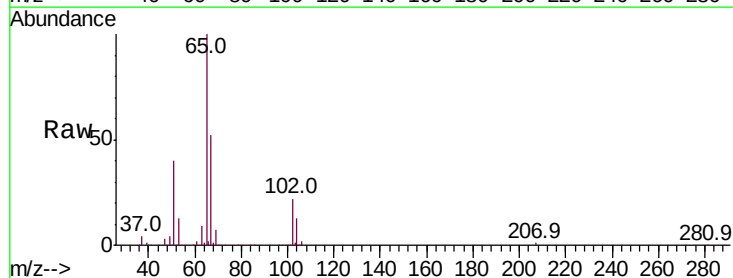
Acq: 02 Nov 2020 16:34

Tgt Ion: 65 Resp: 120714

Ion Ratio Lower Upper

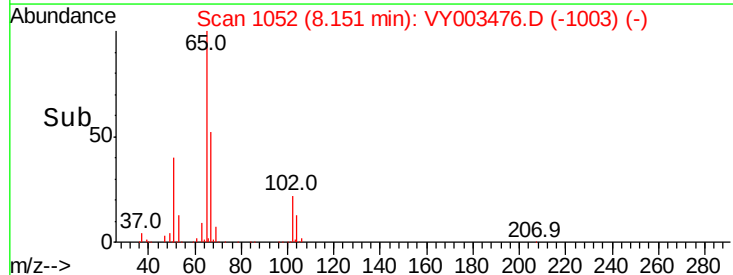
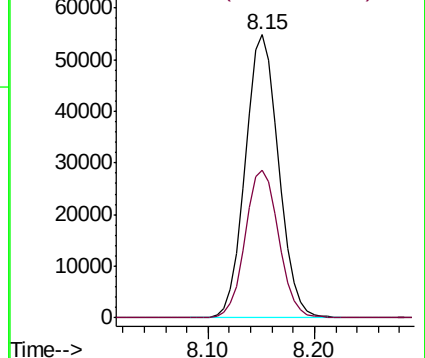
65 100

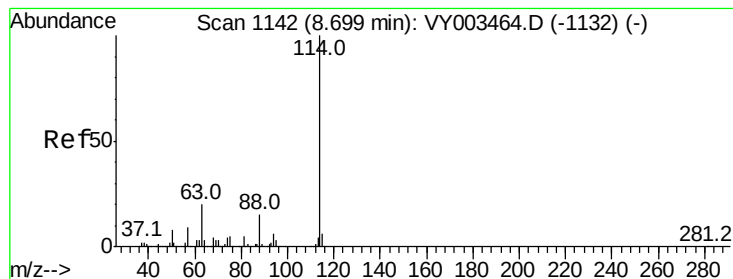
67 52.5 0.0 106.0



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: 8.70 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VY003476.D

Acq: 02 Nov 2020 16:34

Instrument :

MSVOA_Y

ClientSampleId :

FK-GF-03-017-A

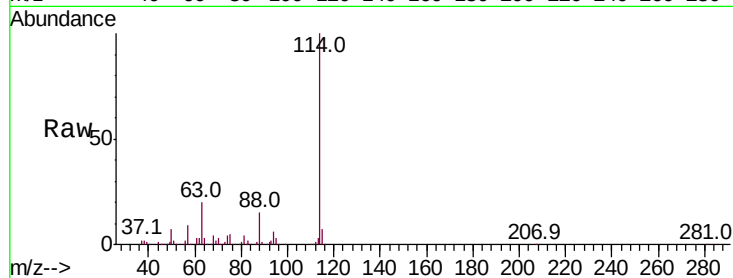
Tot Ion:114 Resp: 332341

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.6

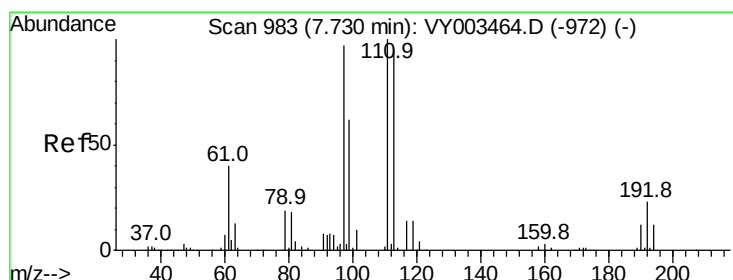
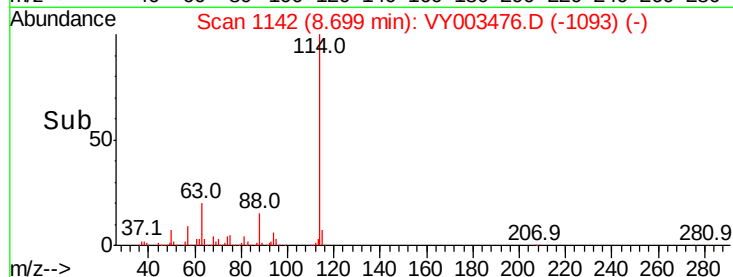
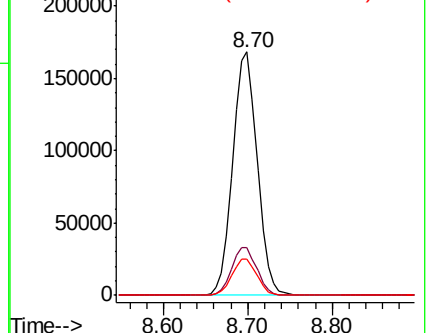
88 15.0 0.0 29.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0



#35

Dibromofluoromethane

Concen: 51.690 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.00 min

Lab File: VY003476.D

Acq: 02 Nov 2020 16:34

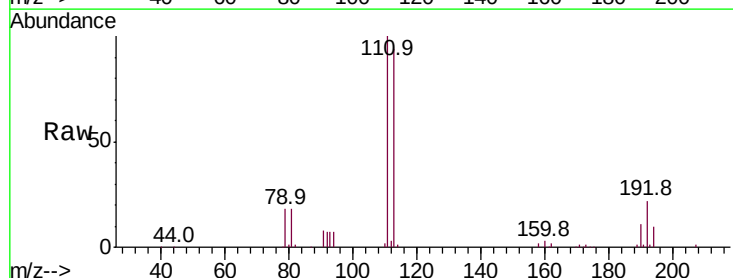
Tgt Ion:113 Resp: 104536

Ion Ratio Lower Upper

113 100

111 104.3 81.8 122.6

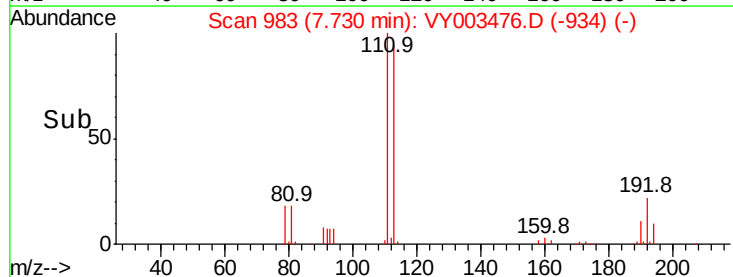
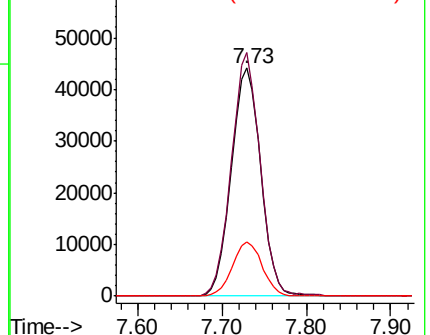
192 23.9 18.8 28.2

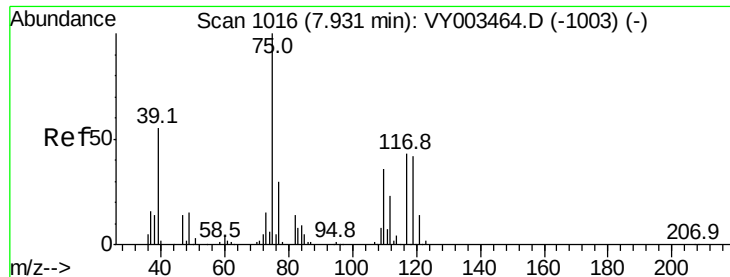


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.566 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY003476.D

Acq: 02 Nov 2020 16:34

Instrument :

MSVOA_Y

ClientSampleId :

FK-GF-03-017-A

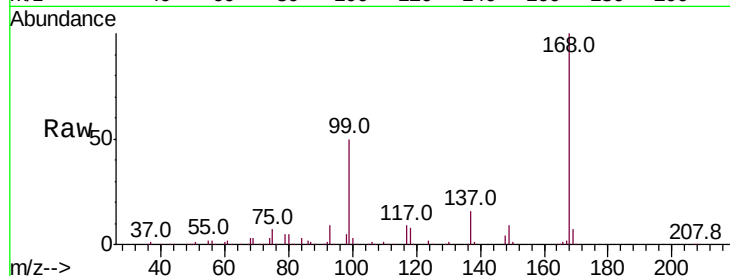
Tot Ion: 75 Resp: 14308

Ion Ratio Lower Upper

75 100

110 9.2 17.6 52.9#

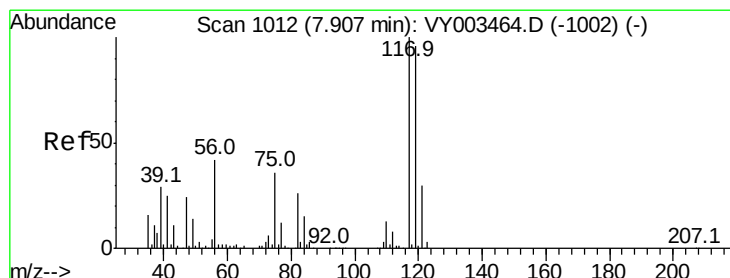
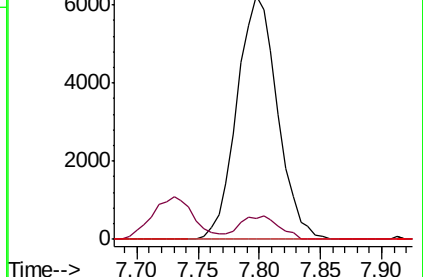
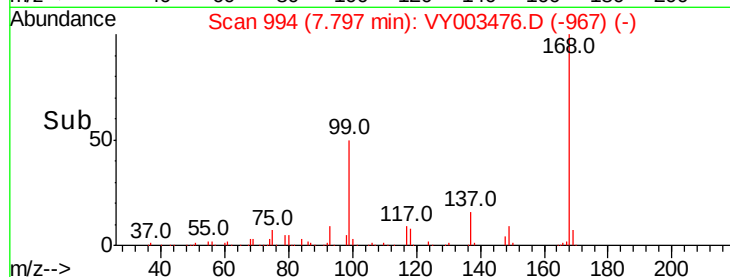
77 0.0 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): VY003476.D (-967) (-)

Ion 109.90 (109.60 to 110.60): VY003476.D (-967) (-)

Ion 76.90 (76.60 to 77.60): VY003476.D (-967) (-)



#38

Carbon Tetrachloride

Concen: 5.763 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003476.D

Acq: 02 Nov 2020 16:34

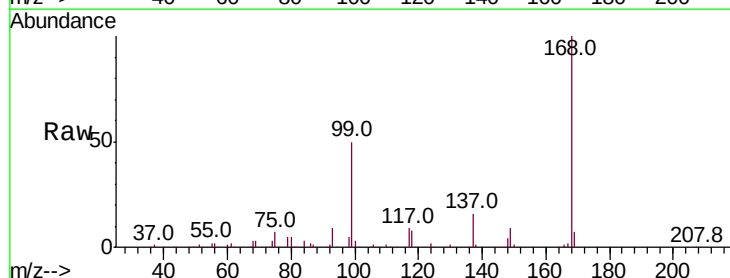
Tgt Ion: 117 Resp: 18733

Ion Ratio Lower Upper

117 100

119 4.7 76.2 114.4#

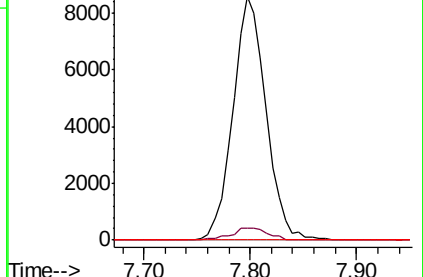
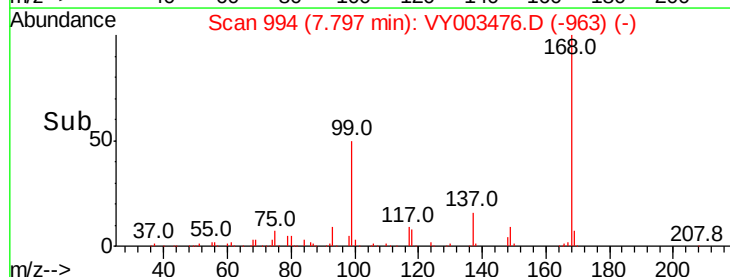
121 0.0 24.2 36.4#

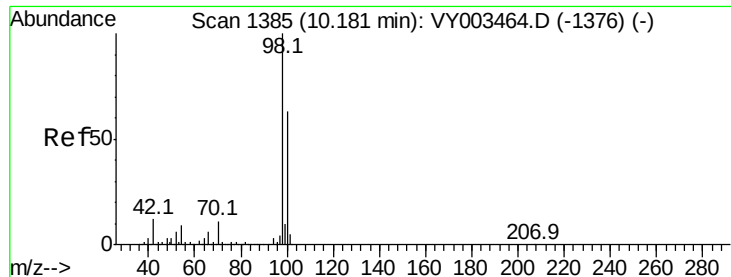


Abundance Ion 116.80 (116.50 to 117.50): VY003476.D (-963) (-)

Ion 118.80 (118.50 to 119.50): VY003476.D (-963) (-)

Ion 120.80 (120.50 to 121.50): VY003476.D (-963) (-)





#50

Toluene-d8

Concen: 47.331 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY003476.D

Acq: 02 Nov 2020 16:34

Instrument :

MSVOA_Y

ClientSampleId :

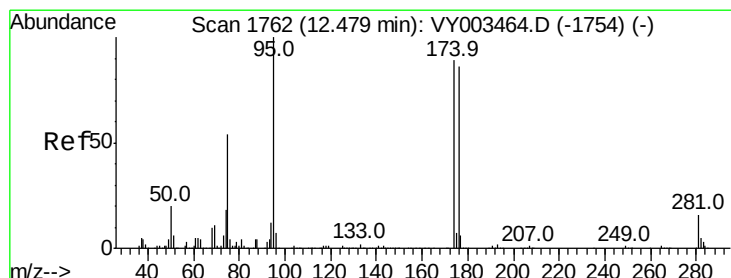
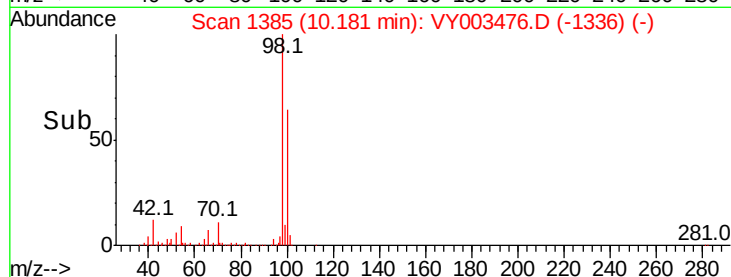
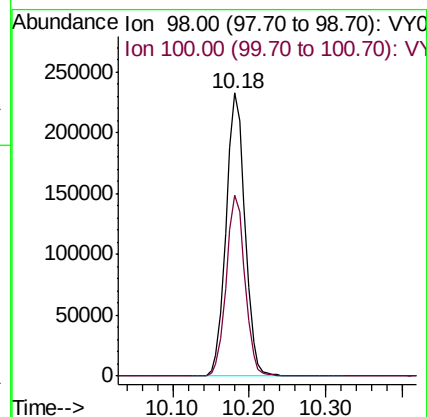
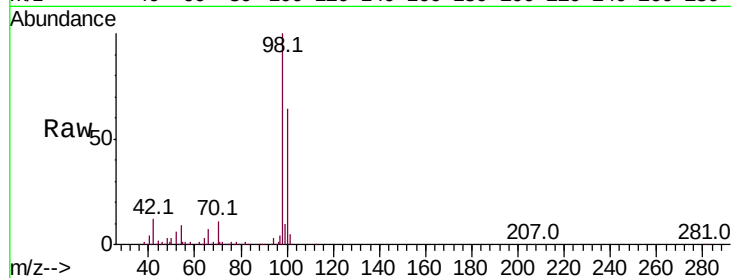
FK-GF-03-017-A

Tot Ion: 98 Resp: 398208

Ion Ratio Lower Upper

98 100

100 63.3 50.9 76.3



#62

4-Bromofluorobenzene

Concen: 43.018 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY003476.D

Acq: 02 Nov 2020 16:34

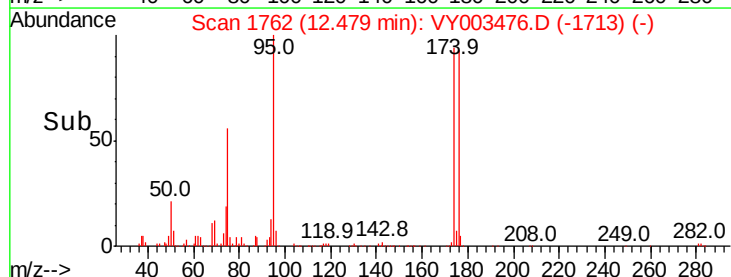
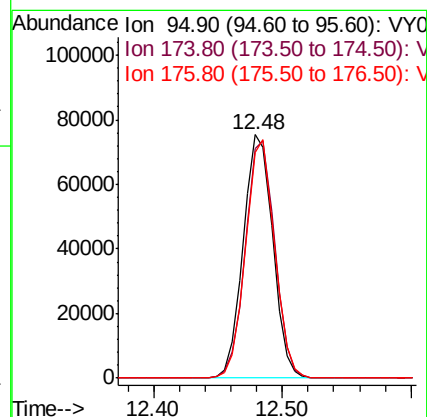
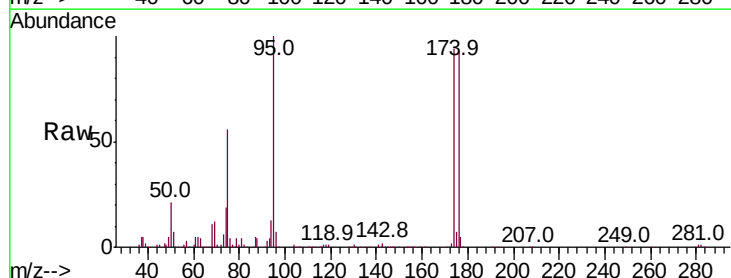
Tgt Ion: 95 Resp: 119915

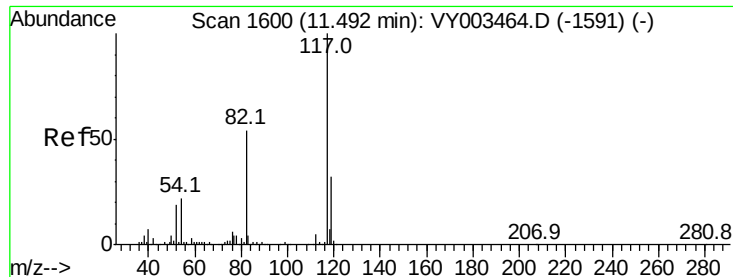
Ion Ratio Lower Upper

95 100

174 96.6 0.0 193.0

176 94.9 0.0 187.4

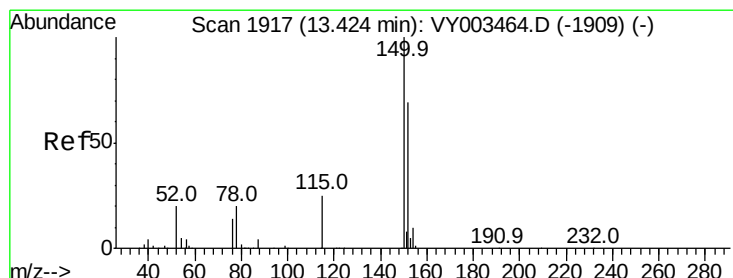
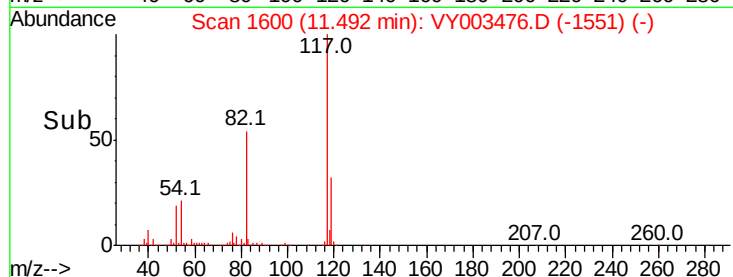
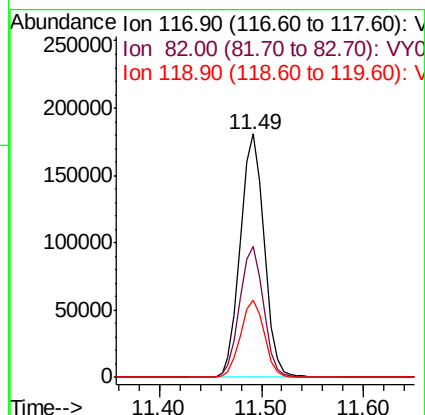
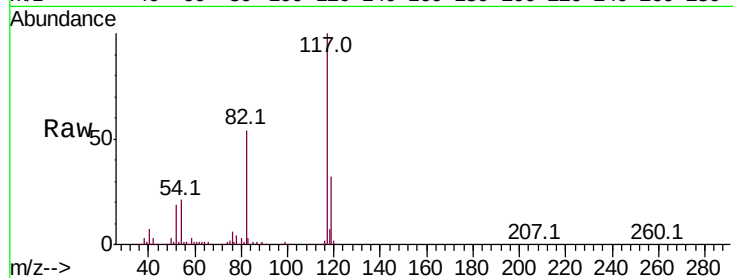




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY003476.D
Acq: 02 Nov 2020 16:34

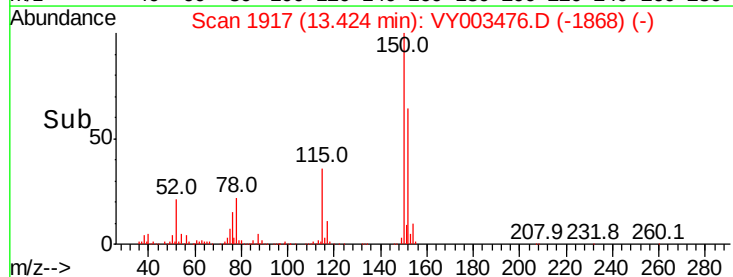
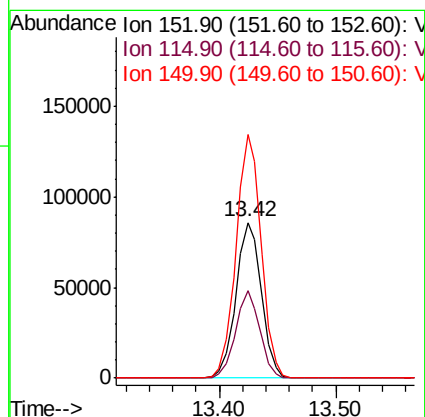
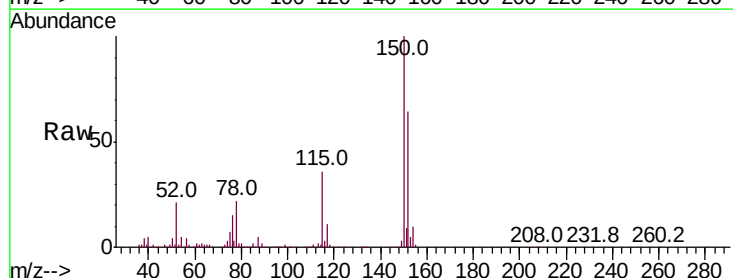
Instrument :
MSVOA_Y
ClientSampleId :
FK-GF-03-017-A

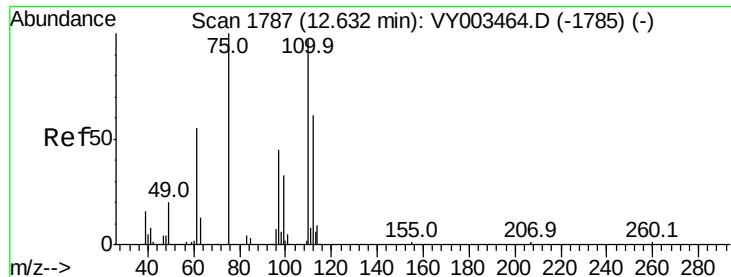
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	43.4	65.2
119	31.8	25.8	38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY003476.D
Acq: 02 Nov 2020 16:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.8	27.5	82.4
150	155.0	0.0	345.8





#76

1,2,3-Trichloropropane

Concen: 47.331 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003476.D

Acq: 02 Nov 2020 16:34

Instrument :

MSVOA_Y

ClientSampleId :

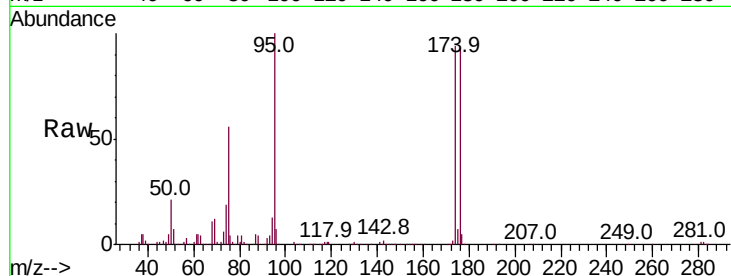
FK-GF-03-017-A

Tot Ion: 75 Resp: 65090

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0

12.48

40000

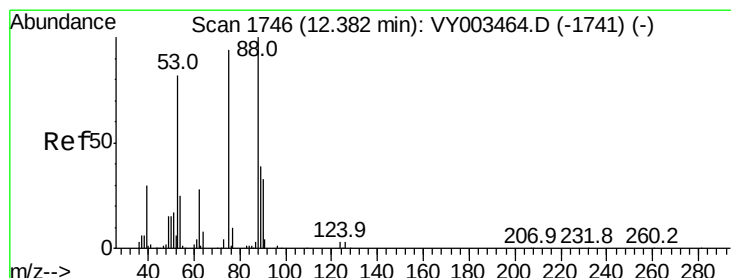
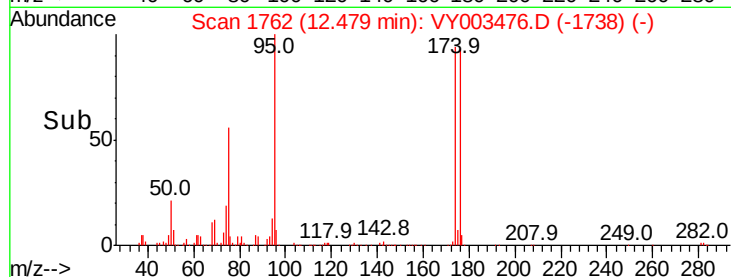
30000

20000

10000

0

Time--> 12.40 12.45 12.50 12.55



#81

trans-1,4-Dichloro-2-butene

Concen: 98.789 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003476.D

Acq: 02 Nov 2020 16:34

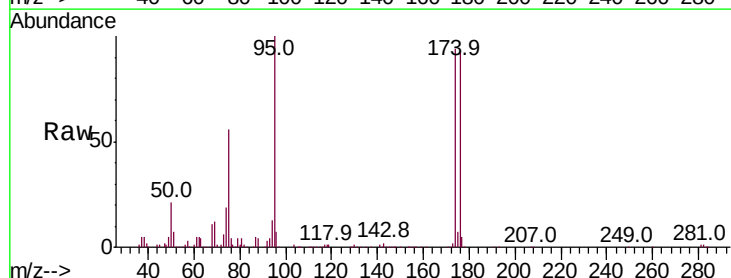
Tgt Ion: 75 Resp: 65090

Ion Ratio Lower Upper

75 100

53 0.1 74.7 112.1#

89 0.0 35.8 53.8#



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

12.48

40000

30000

20000

10000

0

Time--> 12.40 12.45 12.50 12.55

