

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY071420\
 Data File : VY003196.D
 Acq On : 14 Jul 2020 15:21
 Operator : SY/MD
 Sample : L3287-02RE
 Misc : 4.76G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Jul 15 04:14:27 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	373774	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	579782	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	517784	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	238292	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	190102	60.26	ug/l	0.00
Spiked Amount			Recovery	=	120.52%	
35) Dibromofluoromethane	7.73	113	182783	54.78	ug/l	0.00
Spiked Amount			Recovery	=	109.56%	
50) Toluene-d8	10.18	98	699374	56.38	ug/l	0.00
Spiked Amount			Recovery	=	112.76%	
62) 4-Bromofluorobenzene	12.48	95	222112	49.56	ug/l	0.00
Spiked Amount			Recovery	=	99.12%	

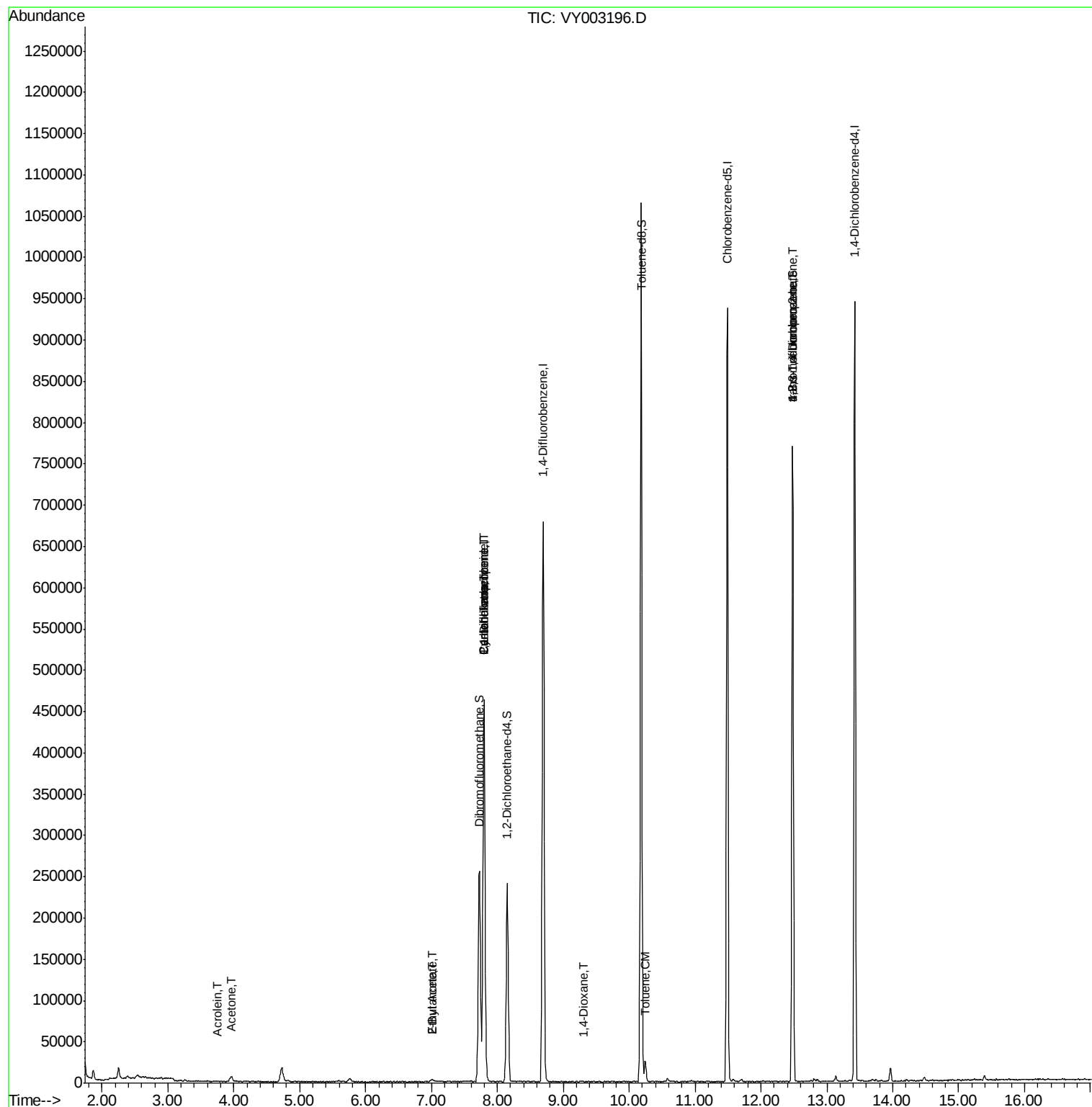
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.75	56	419	1.415	ug/l #	41
16) Acetone	3.96	43	11707	16.613	ug/l #	89
20) Methylene Chloride	4.73	84	12853	Below Cal		89
25) 2-Butanone	7.02	43	4226	3.652	ug/l	98
31) Cyclohexane	7.80	56	7870	1.372	ug/l #	8
36) 1,1-Dichloropropene	7.80	75	27041	5.146	ug/l #	50
37) Ethyl Acetate	7.02	43	4226	1.493	ug/l #	67
38) Carbon Tetrachloride	7.80	117	34328	6.328	ug/l #	17
49) 1,4-Dioxane	9.31	88	164	5.909	ug/l #	66
52) Toluene	10.24	92	10705	1.158	ug/l	83
76) 1,2,3-Trichloropropane	12.48	75	113182	53.659	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	113182	104.430	ug/l #	13

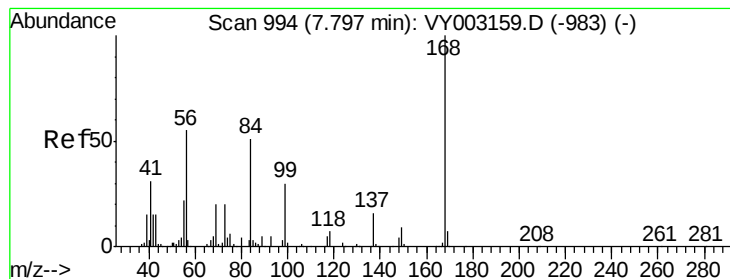
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY003196.D

Acq: 14 Jul 2020 15:21

Instrument :

MSVOA_Y

ClientSampleId :

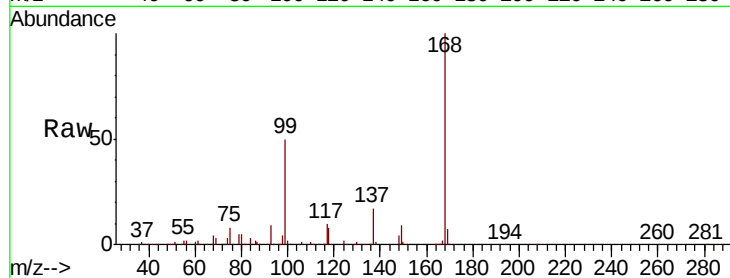
FK-GF-03-012-ARE

Tot Ion:168 Resp: 373774

Ion Ratio Lower Upper

168 100

99 50.1 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003159.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY003159.D (-983) (-)

7.80

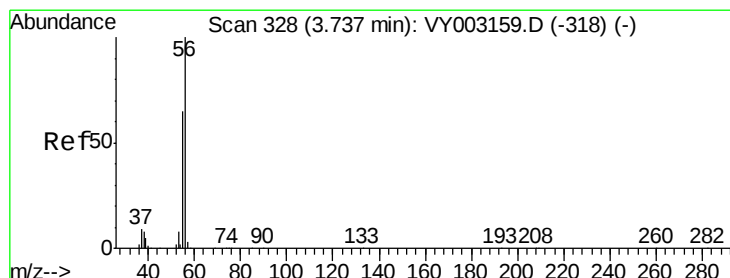
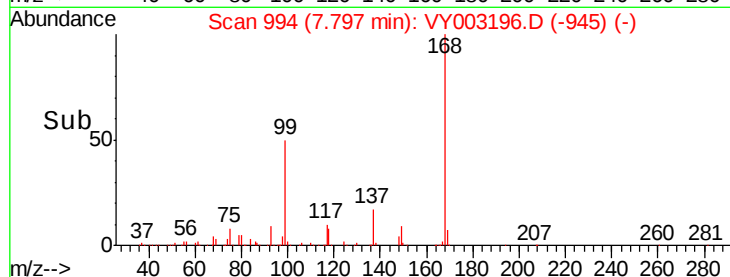
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 1.415 ug/l

RT: 3.75 min Scan# 330

Delta R.T. 0.01 min

Lab File: VY003196.D

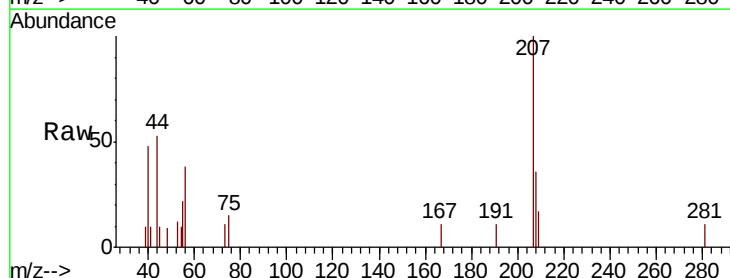
Acq: 14 Jul 2020 15:21

Tgt Ion: 56 Resp: 419

Ion Ratio Lower Upper

56 100

55 21.7 56.0 84.0#



Abundance Ion 56.00 (55.70 to 56.70): VY003159.D (-318) (-)

Ion 55.00 (54.70 to 55.70): VY003159.D (-318) (-)

3.75

250

200

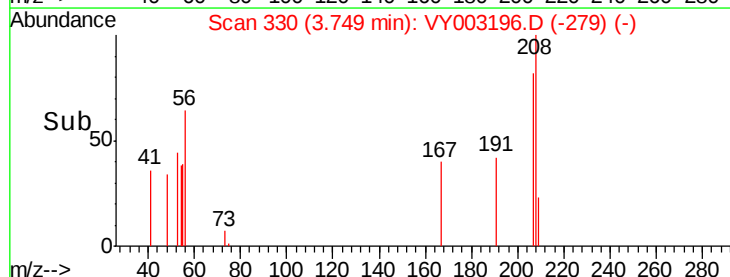
150

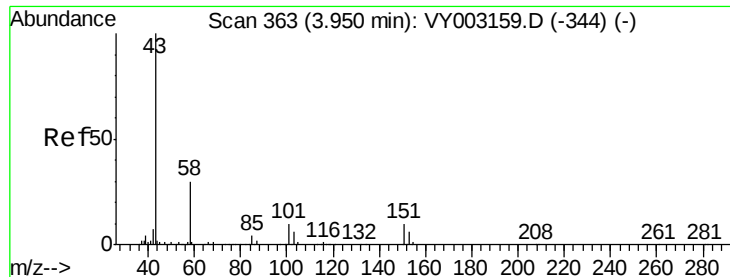
100

50

0

Time-->





#16

Acetone

Concen: 16.613 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY003196.D

Acq: 14 Jul 2020 15:21

Instrument :

MSVOA_Y

ClientSampleId :

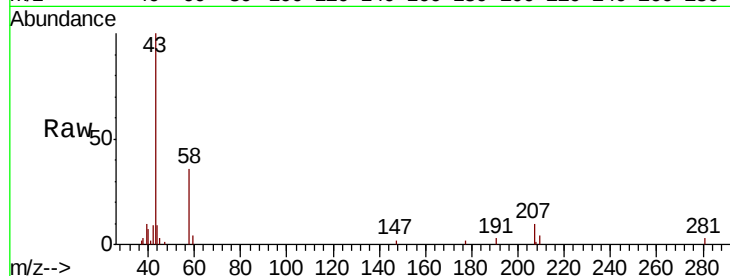
FK-GF-03-012-ARE

Tot Ion: 43 Resp: 11707

Ion Ratio Lower Upper

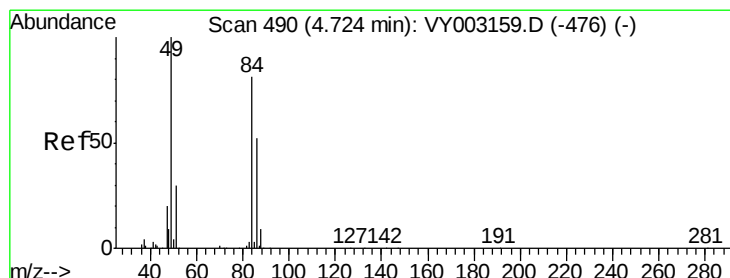
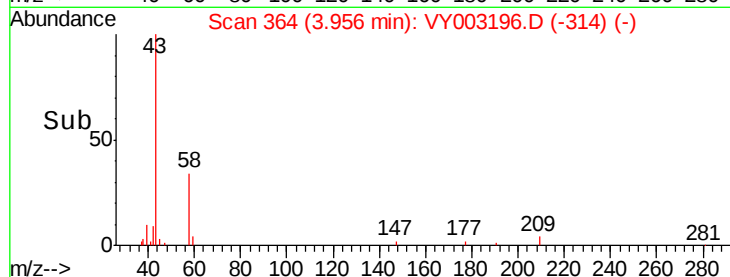
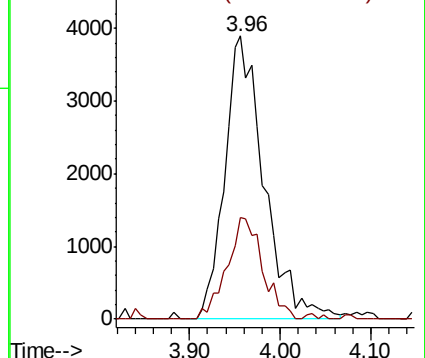
43 100

58 35.8 23.8 35.6#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#20

Methylene Chloride

Concen: Below Cal

RT: 4.73 min Scan# 491

Delta R.T. 0.01 min

Lab File: VY003196.D

Acq: 14 Jul 2020 15:21

Tgt Ion: 84 Resp: 12853

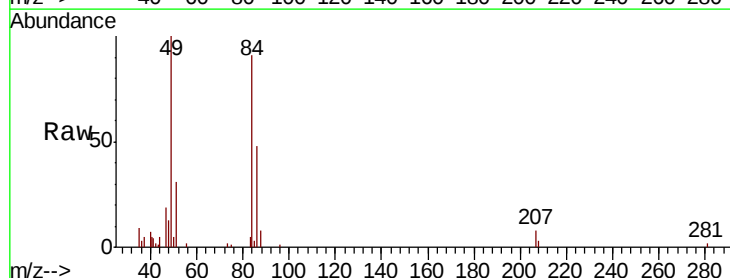
Ion Ratio Lower Upper

84 100

49 110.2 98.2 147.4

51 34.0 29.8 44.6

86 53.0 51.2 76.8

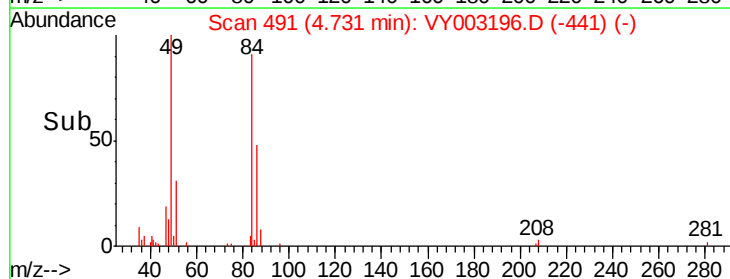
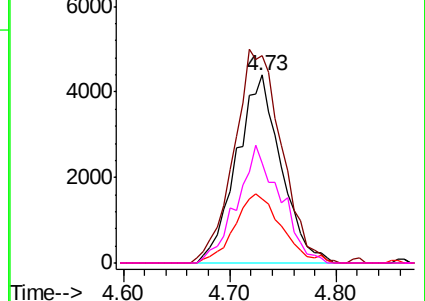


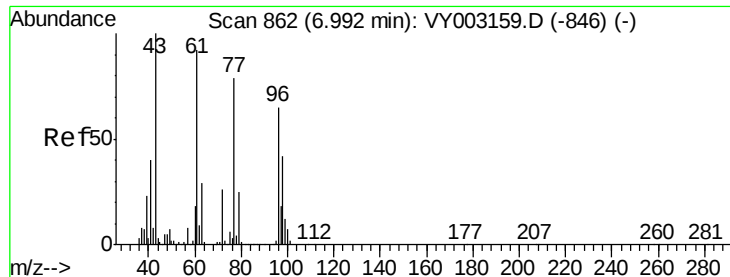
Abundance Ion 83.90 (83.60 to 84.60): VY0

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





#25

2-Butanone

Concen: 3.652 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.02 min

Lab File: VY003196.D

Acq: 14 Jul 2020 15:21

Instrument :

MSVOA_Y

ClientSampleId :

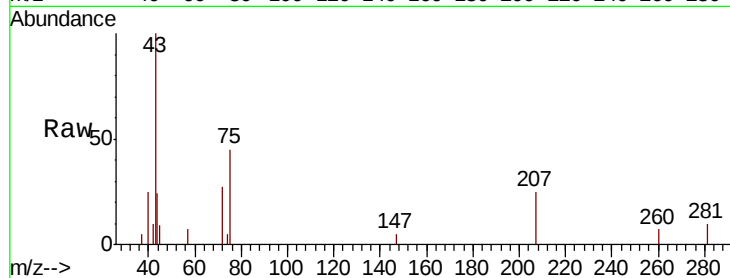
FK-GF-03-012-ARE

Tot Ion: 43 Resp: 4226

Ion Ratio Lower Upper

43 100

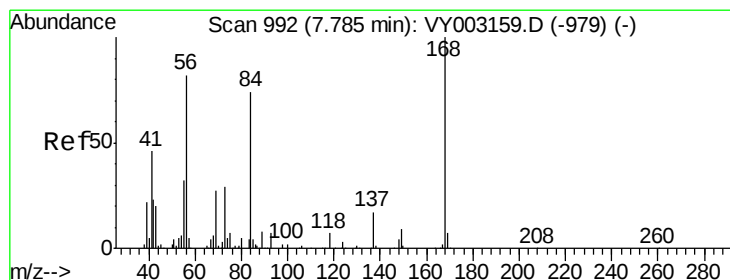
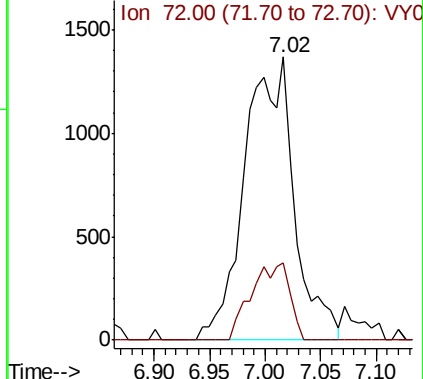
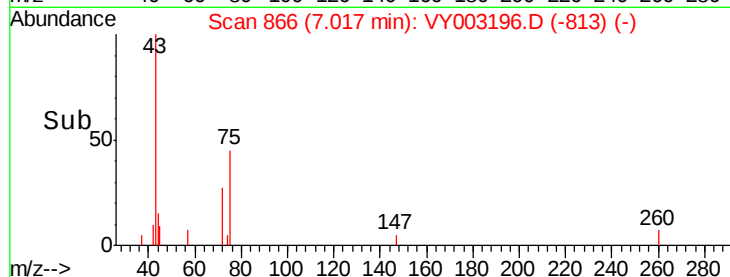
72 27.3 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

Time-->



#31

Cyclohexane

Concen: 1.372 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY003196.D

Acq: 14 Jul 2020 15:21

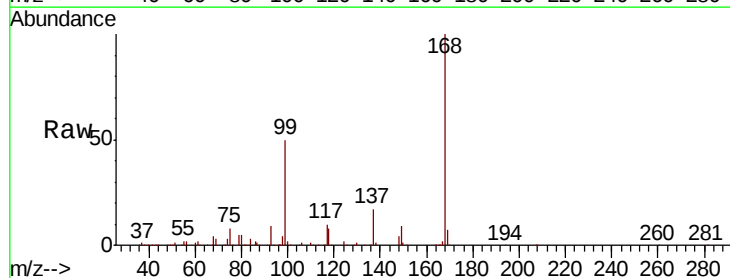
Tgt Ion: 56 Resp: 7870

Ion Ratio Lower Upper

56 100

69 143.1 26.7 40.1#

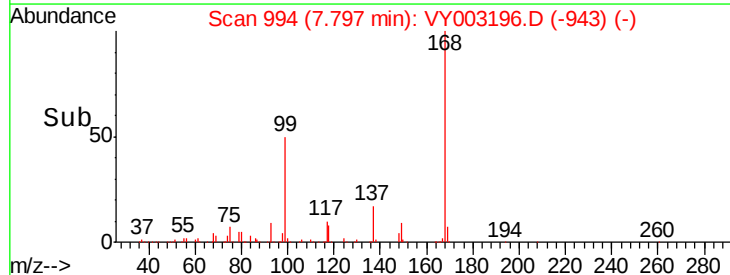
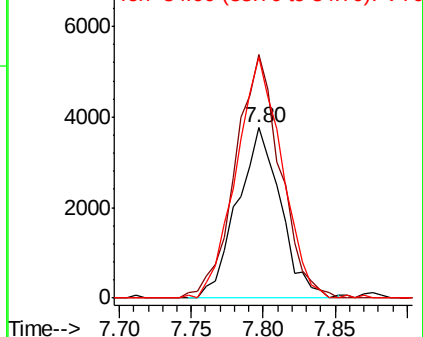
84 141.7 72.3 108.5#

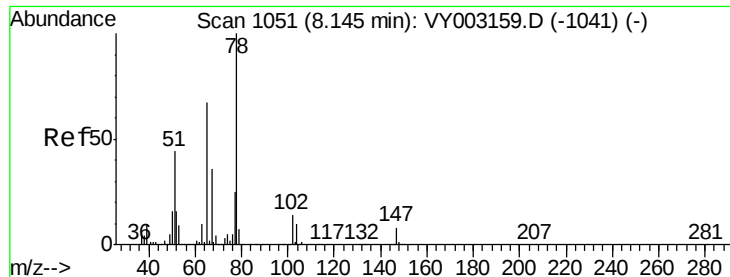


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0

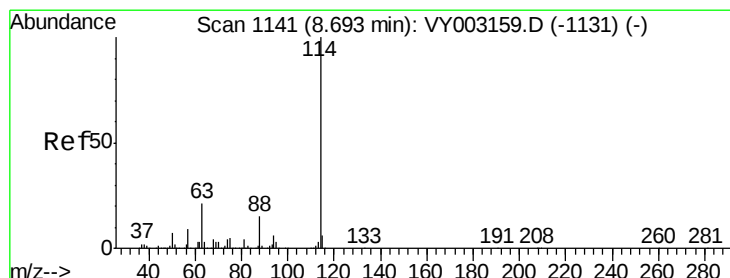
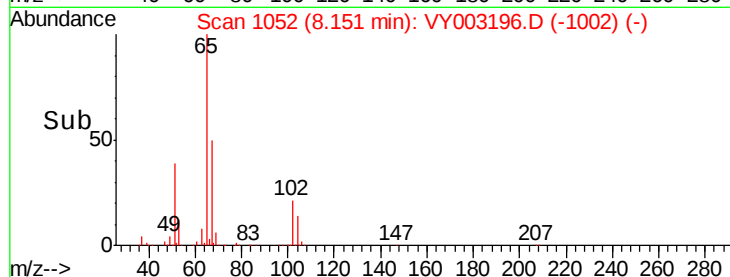
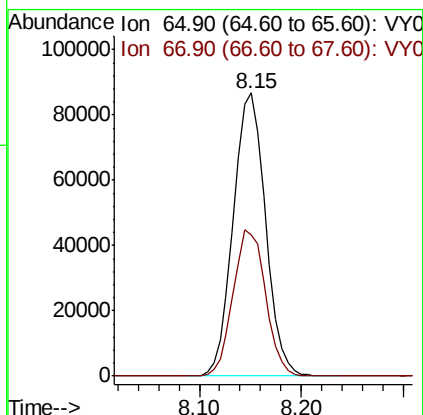
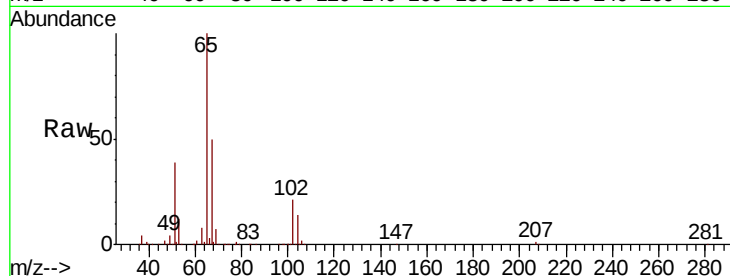




#33
 1,2-Dichloroethane-d4
 Concen: 60.258 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VY003196.D
 Acq: 14 Jul 2020 15:21

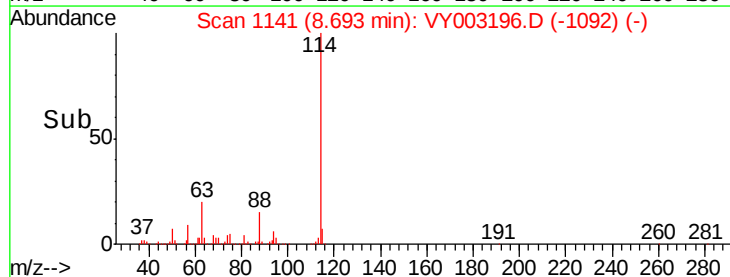
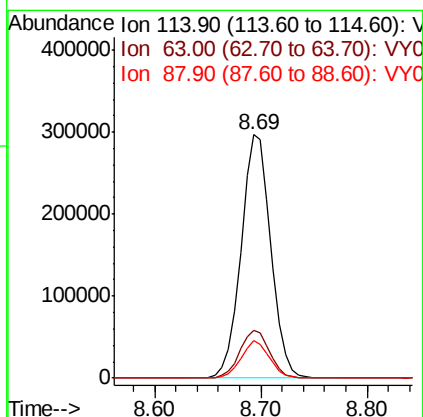
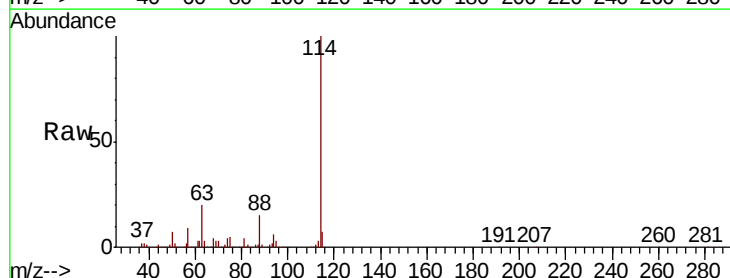
Instrument :
 MSVOA_Y
 ClientSampleId :
 FK-GF-03-012-ARE

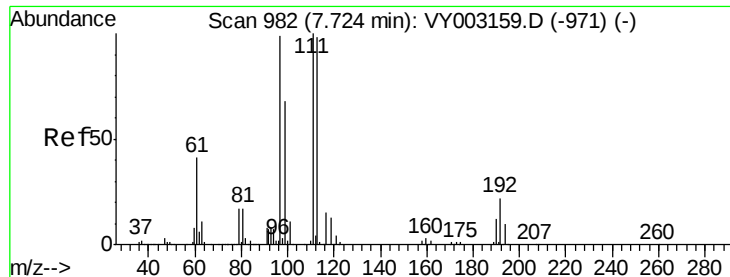
Tot Ion: 65 Resp: 190102
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY003196.D
 Acq: 14 Jul 2020 15:21

Tgt Ion: 114 Resp: 579782
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 41.2
 88 15.2 0.0 30.2

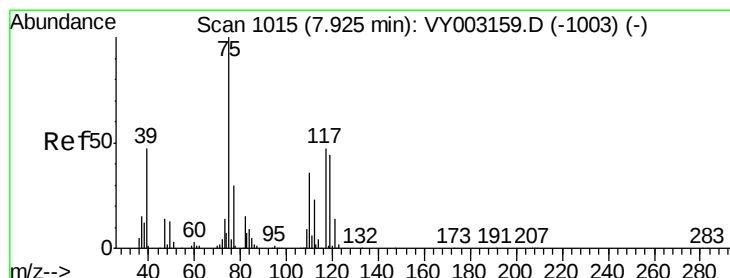
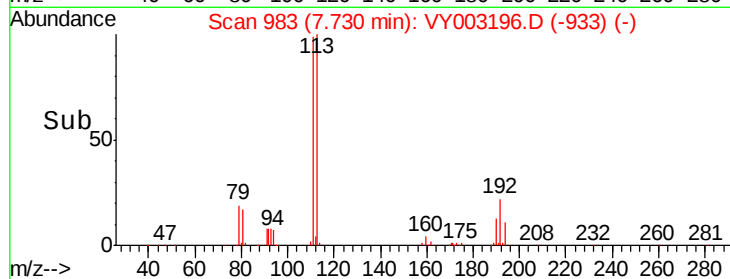
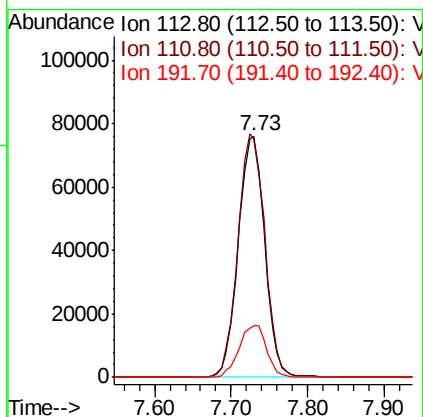
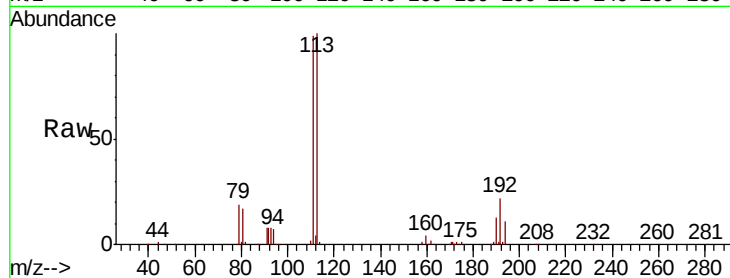




#35
 Dibromofluoromethane
 Concen: 54.783 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VY003196.D
 Acq: 14 Jul 2020 15:21

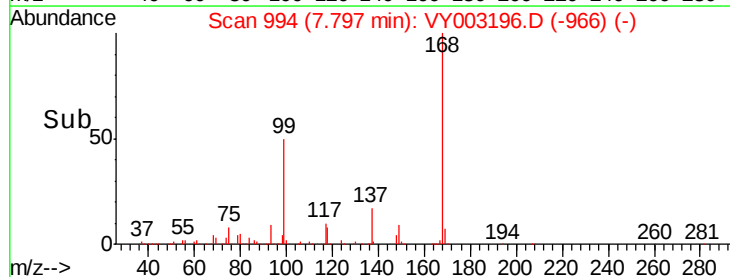
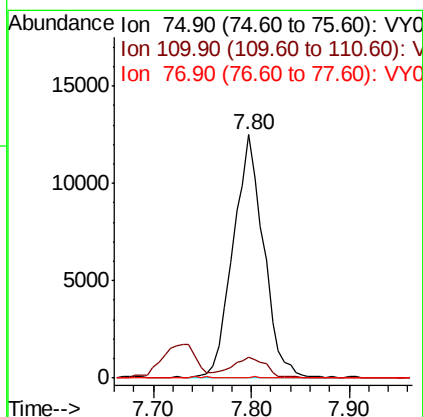
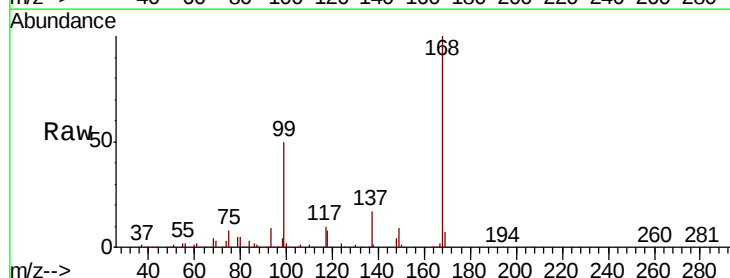
Instrument :
 MSVOA_Y
 ClientSampleId :
 FK-GF-03-012-ARE

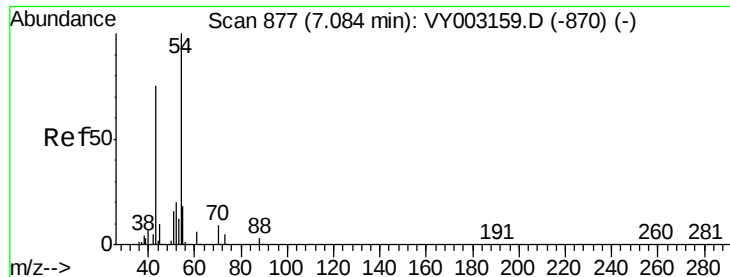
Tot Ion:113 Resp: 182783
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.1 123.1
 192 22.4 18.8 28.2



#36
 1,1-Dichloropropene
 Concen: 5.146 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY003196.D
 Acq: 14 Jul 2020 15:21

Tgt Ion: 75 Resp: 27041
 Ion Ratio Lower Upper
 75 100
 110 9.7 18.1 54.1#
 77 0.2 24.8 37.2#

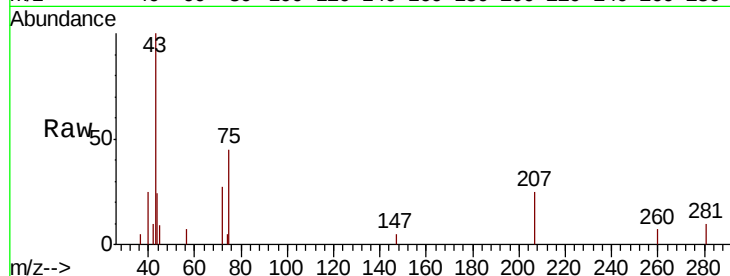




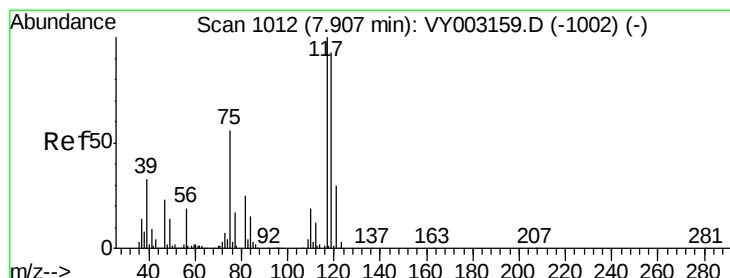
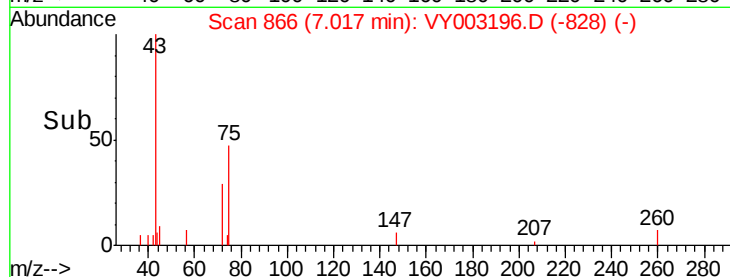
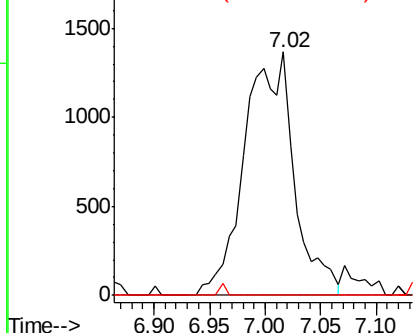
#37
Ethyl Acetate
Concen: 1.493 ug/l
RT: 7.02 min Scan# 866
Delta R.T. -0.07 min
Lab File: VY003196.D
Acq: 14 Jul 2020 15:21

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

Tot Ion: 43 Resp: 4226
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 8.6 13.0#

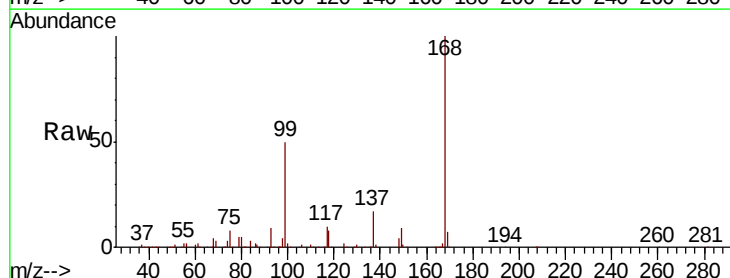


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 70.00 (69.70 to 70.70): VY0

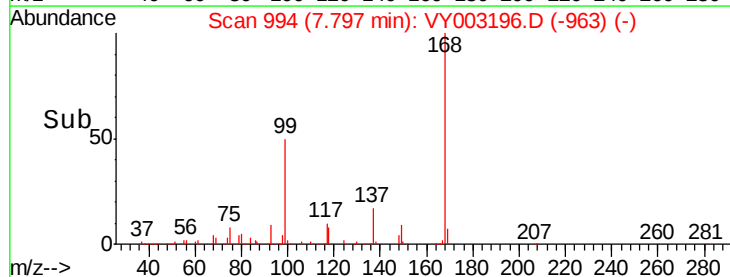
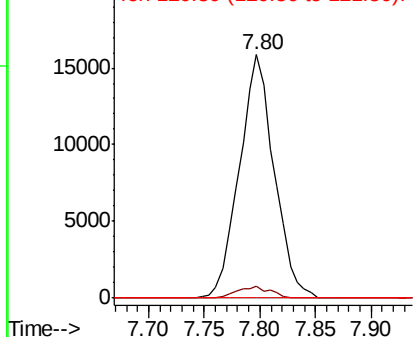


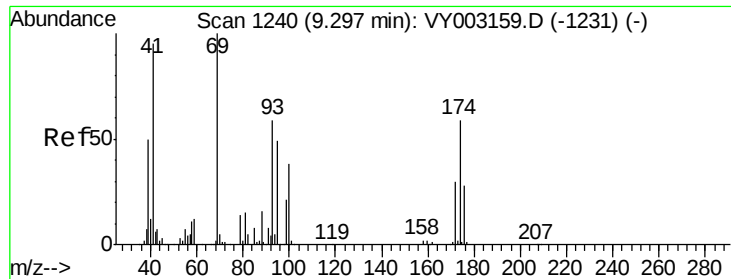
#38
Carbon Tetrachloride
Concen: 6.328 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.11 min
Lab File: VY003196.D
Acq: 14 Jul 2020 15:21

Tgt Ion: 117 Resp: 34328
Ion Ratio Lower Upper
117 100
119 5.0 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

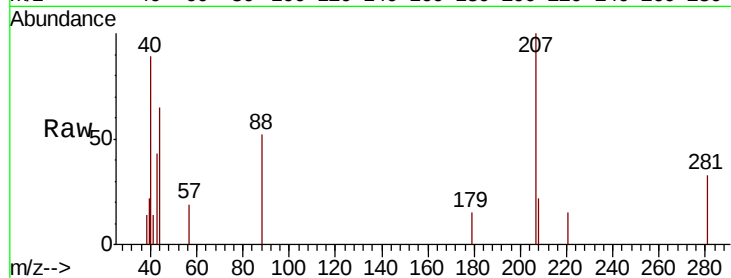




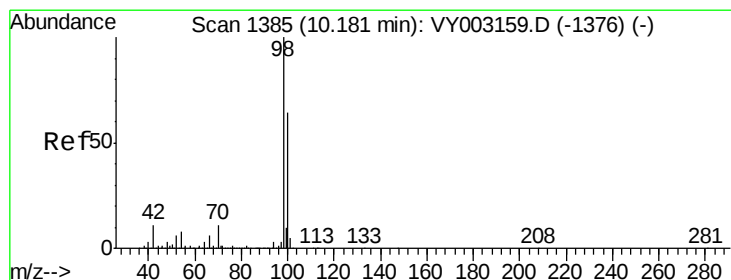
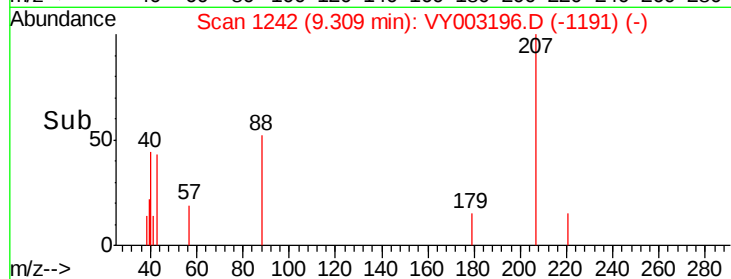
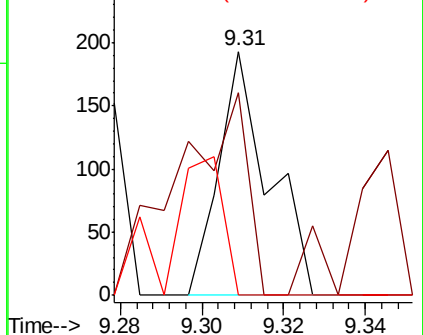
#49
 1,4-Dioxane
 Concen: 5.909 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.01 min
 Lab File: VY003196.D
 Acq: 14 Jul 2020 15:21

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

Tot Ion: 88 Resp: 164
 Ion Ratio Lower Upper
 88 100
 43 84.8 25.6 38.4#
 58 61.0 47.8 71.6

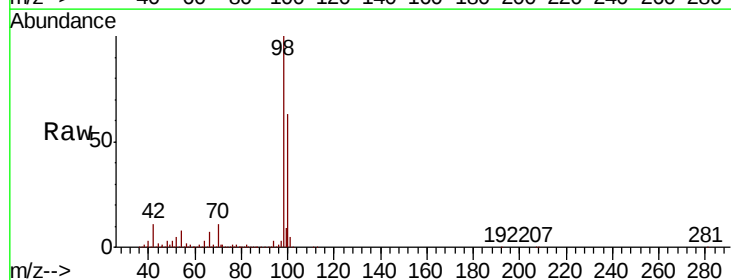


Abundance Ion 88.00 (87.70 to 88.70): VY0
 Ion 43.00 (42.70 to 43.70): VY0
 Ion 58.00 (57.70 to 58.70): VY0

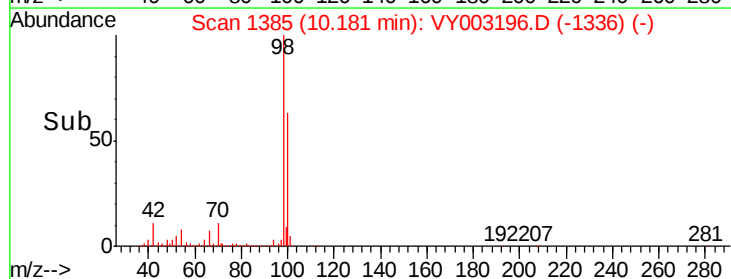
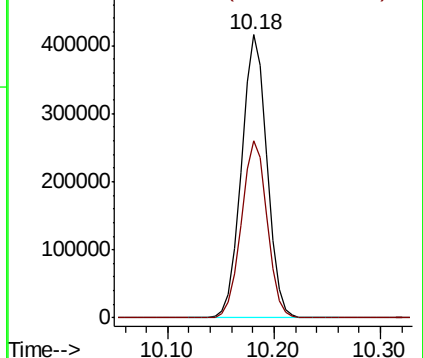


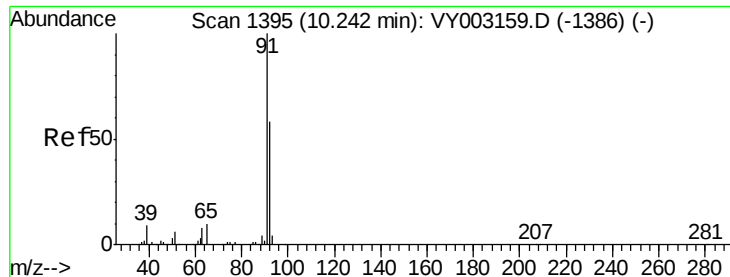
#50
 Toluene-d8
 Concen: 56.380 ug/l
 RT: 10.18 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VY003196.D
 Acq: 14 Jul 2020 15:21

Tgt Ion: 98 Resp: 699374
 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): VY0





#52

Toluene

Concen: 1.158 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. 0.00 min

Lab File: VY003196.D

Acq: 14 Jul 2020 15:21

Instrument :

MSVOA_Y

ClientSampleId :

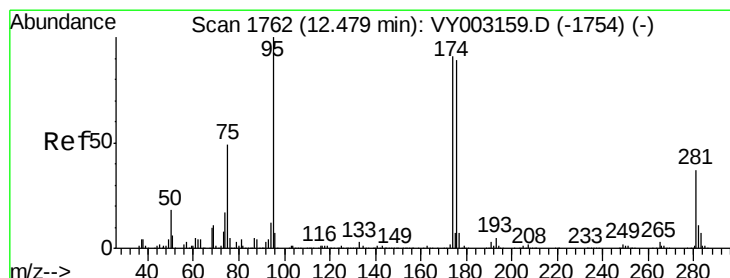
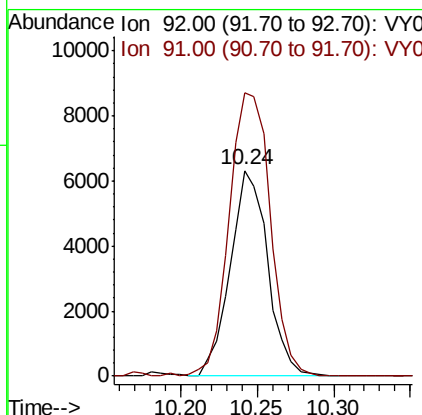
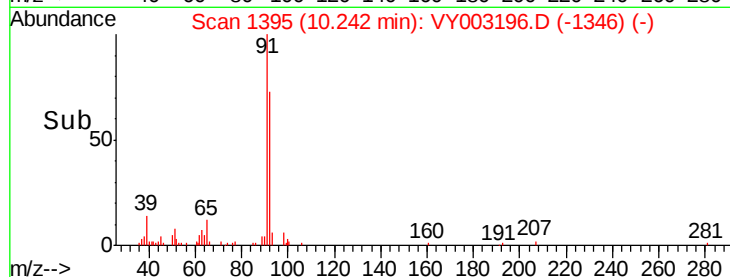
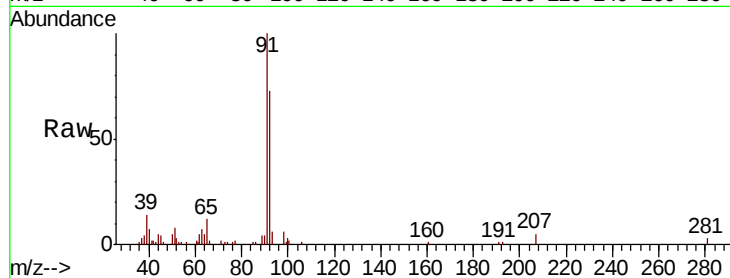
FK-GF-03-012-ARE

Tot Ion: 92 Resp: 10705

Ion Ratio Lower Upper

92 100

91 151.6 139.7 209.5



#62

4-Bromofluorobenzene

Concen: 49.564 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY003196.D

Acq: 14 Jul 2020 15:21

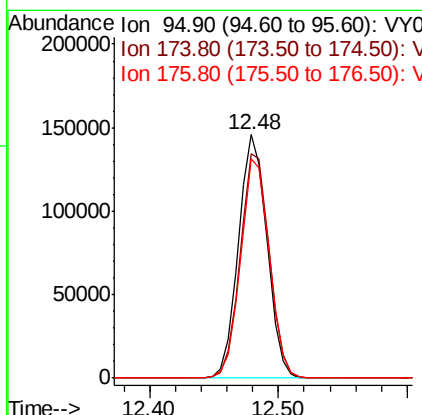
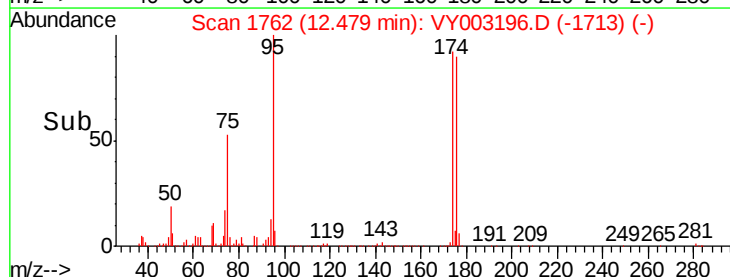
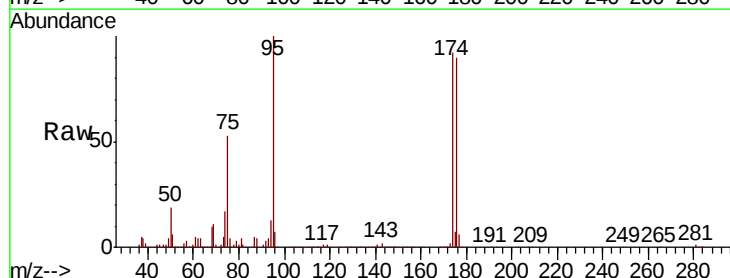
Tgt Ion: 95 Resp: 222112

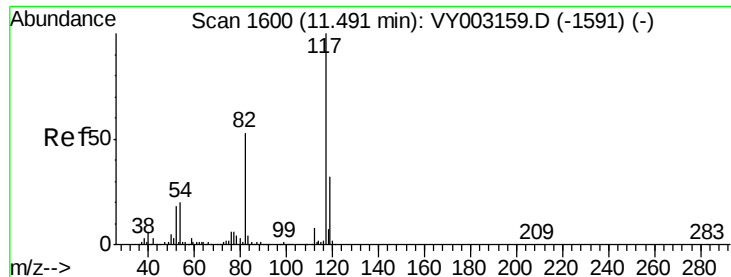
Ion Ratio Lower Upper

95 100

174 94.1 0.0 190.6

176 90.8 0.0 186.4

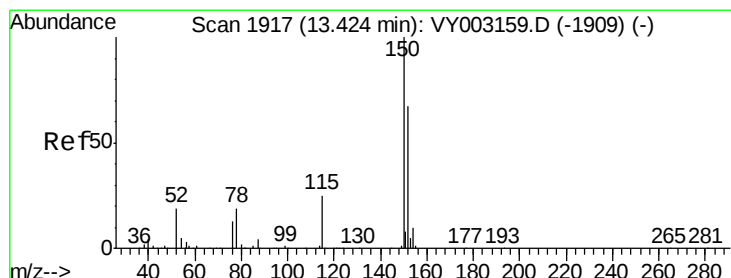
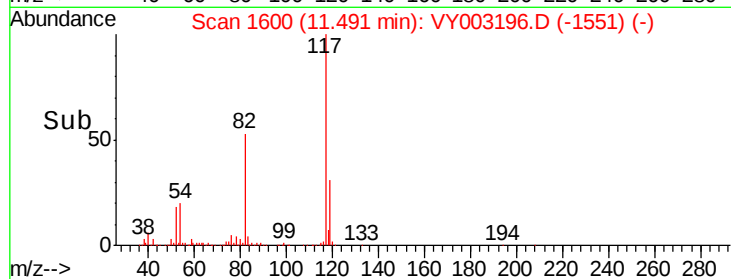
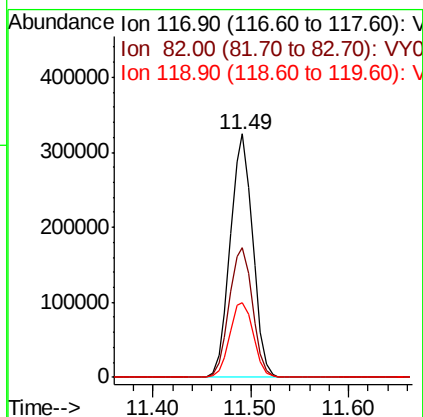
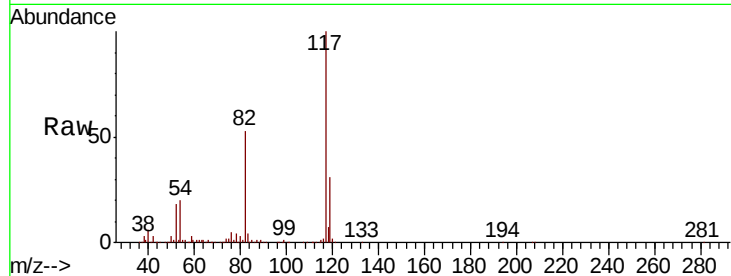




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY003196.D
Acq: 14 Jul 2020 15:21

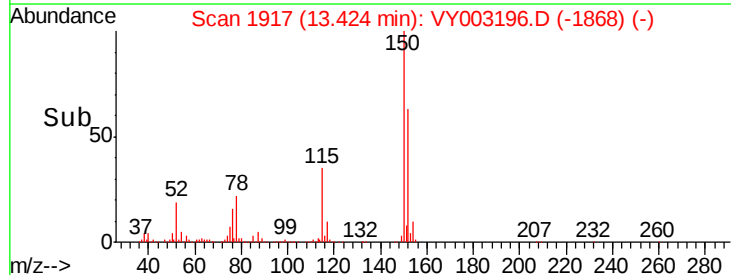
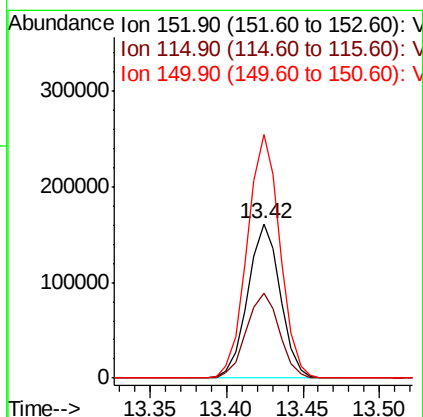
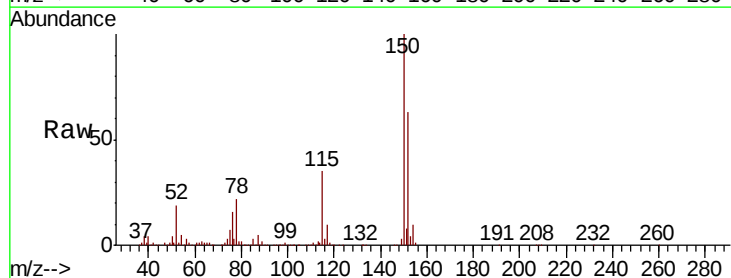
Instrument :
MSVOA_Y
ClientSampleId :
FK-GF-03-012-ARE

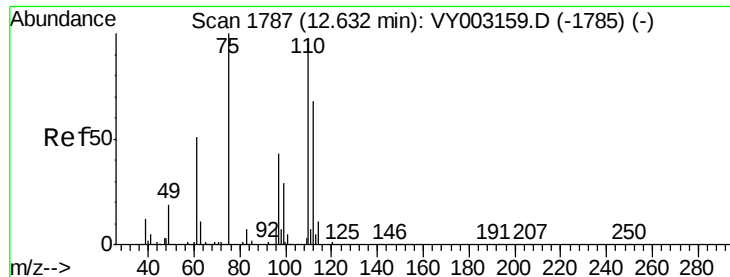
Tot Ion:117 Resp: 517784
Ion Ratio Lower Upper
117 100
82 53.2 42.0 63.0
119 30.7 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY003196.D
Acq: 14 Jul 2020 15:21

Tgt Ion:152 Resp: 238292
Ion Ratio Lower Upper
152 100
115 56.1 26.9 80.7
150 158.8 0.0 338.0





#76

1,2,3-Trichloropropane

Concen: 53.659 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003196.D

Acq: 14 Jul 2020 15:21

Instrument :

MSVOA_Y

ClientSampleId :

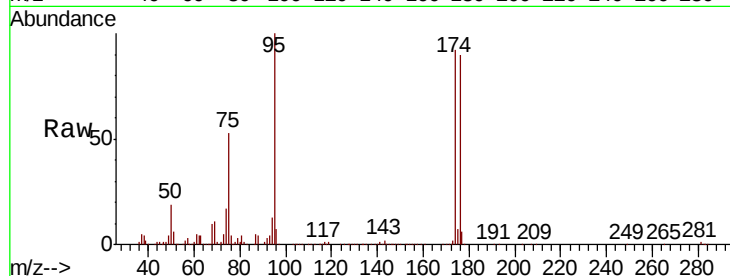
FK-GF-03-012-ARE

Tot Ion: 75 Resp: 113182

Ion Ratio Lower Upper

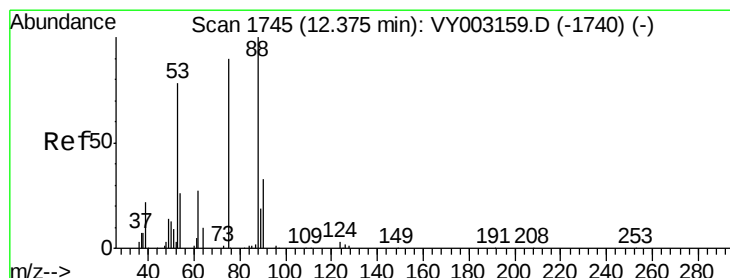
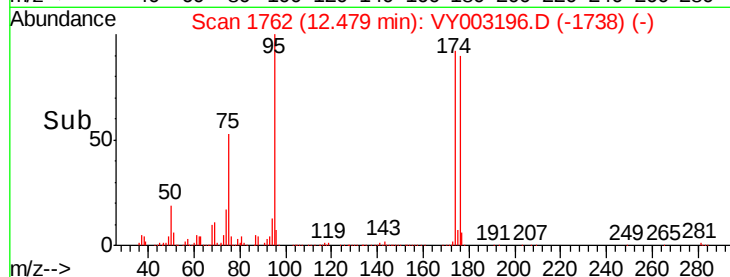
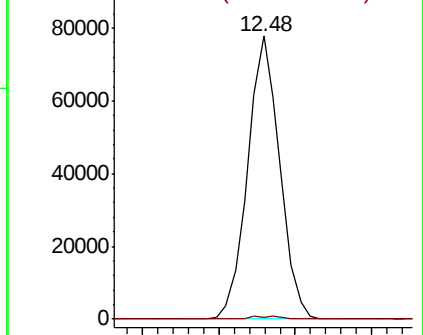
75 100

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



#81

trans-1,4-Dichloro-2-butene

Concen: 104.430 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003196.D

Acq: 14 Jul 2020 15:21

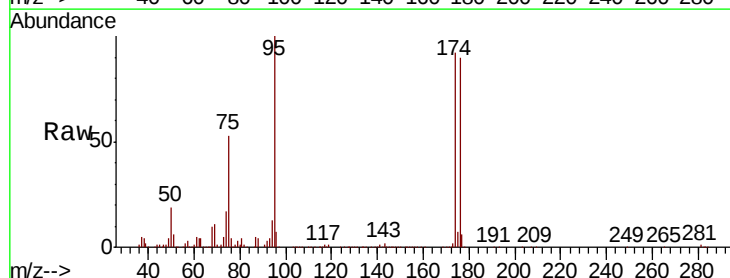
Tgt Ion: 75 Resp: 113182

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

