

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050420\
 Data File : VY002570.D
 Acq On : 05 May 2020 03:27
 Operator : SY/MD
 Sample : L2475-04
 Misc : 4.64G/5ML/MSVOA Y/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 FK-GF-03-009-B

Quant Time: May 05 07:20:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

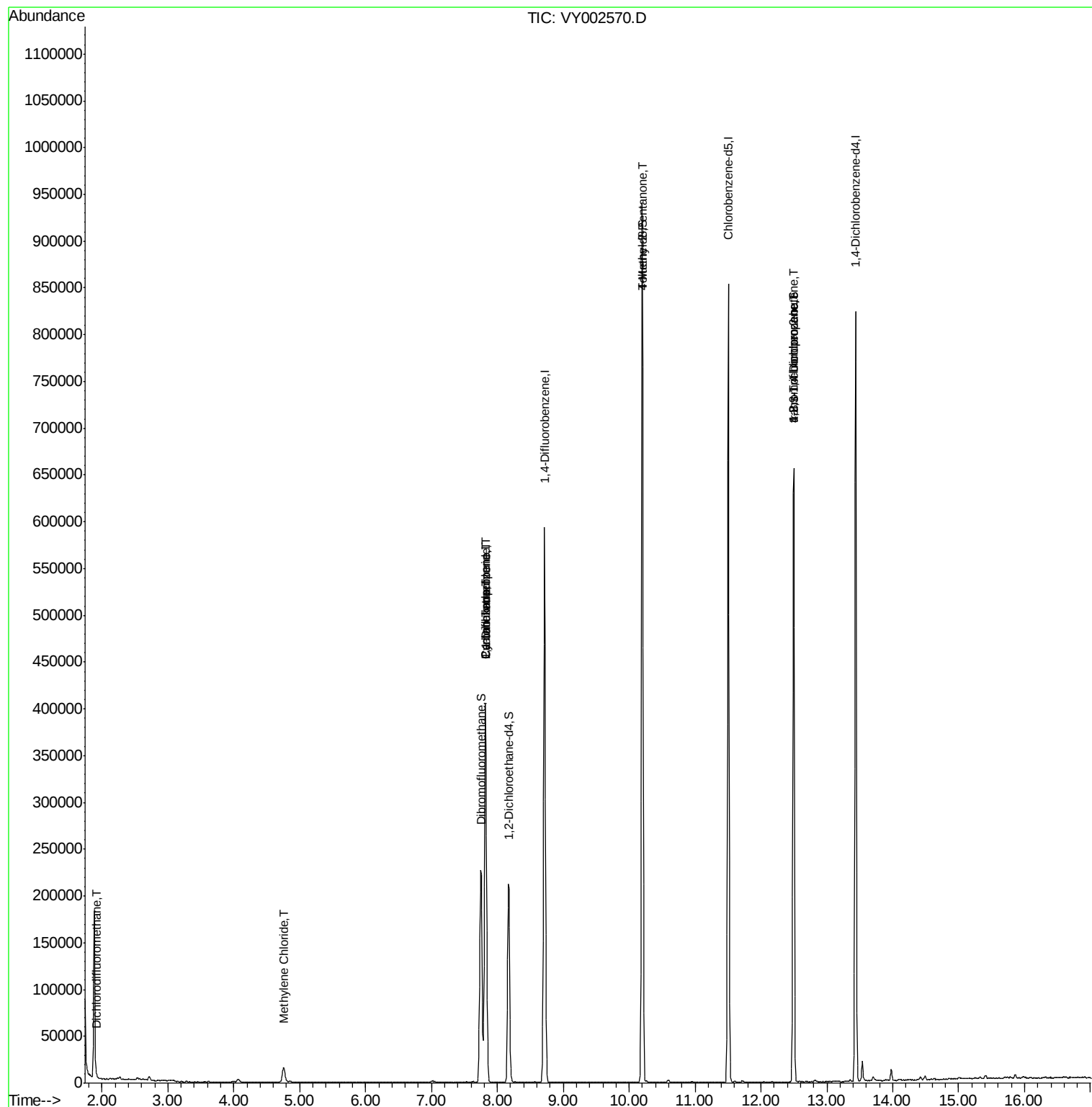
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	333082	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.71	114	541198	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	484376	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	230557	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	162264	57.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.88%	
35) Dibromofluoromethane	7.75	113	165156	53.36	ug/l	0.01
Spiked Amount 50.000			Recovery	=	106.72%	
50) Toluene-d8	10.20	98	636362	52.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.30%	
62) 4-Bromofluorobenzene	12.49	95	205341	50.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.14%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.92	85	82	1.813	ug/l #	1
20) Methylene Chloride	4.76	84	12618	3.904	ug/l	98
31) Cyclohexane	7.82	56	5095	1.012	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	21953	4.839	ug/l #	49
38) Carbon Tetrachloride	7.82	117	29657	5.987	ug/l #	16
51) 4-Methyl-2-Pentanone	10.20	43	2469	1.096	ug/l #	1
76) 1,2,3-Trichloropropane	12.50	75	98856	48.249	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.50	75	98856	96.748	ug/l #	15

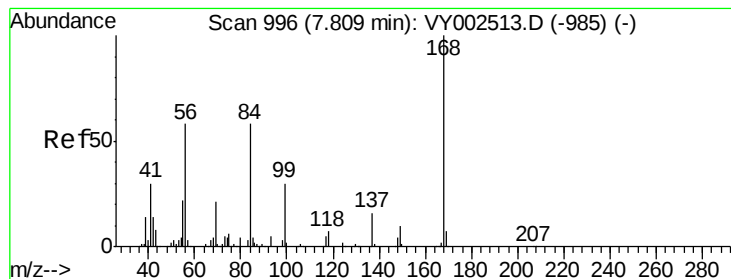
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY002570.D

Acq: 05 May 2020 03:27

Instrument :

MSVOA_Y

ClientSampleId :

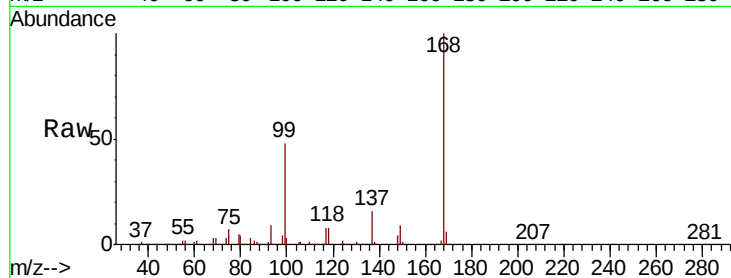
FK-GF-03-009-B

Tot Ion:168 Resp: 333082

Ion Ratio Lower Upper

168 100

99 47.8 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002513.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002513.D (-985) (-)

7.82

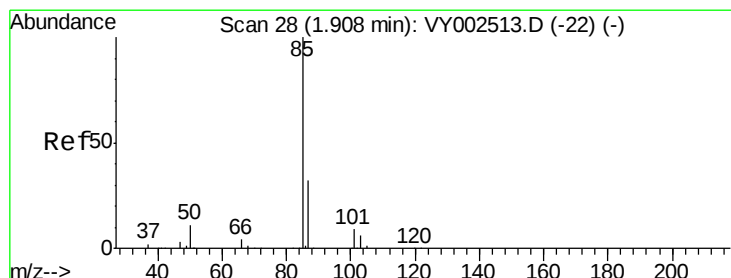
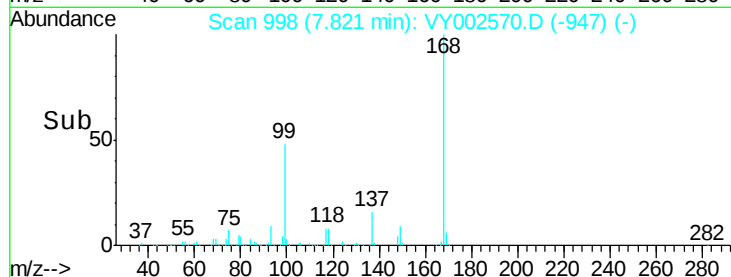
150000

100000

50000

0

Time--> 7.70 7.80 7.90



#2

Dichlorodifluoromethane

Concen: 1.813 ug/l

RT: 1.92 min Scan# 30

Delta R.T. 0.01 min

Lab File: VY002570.D

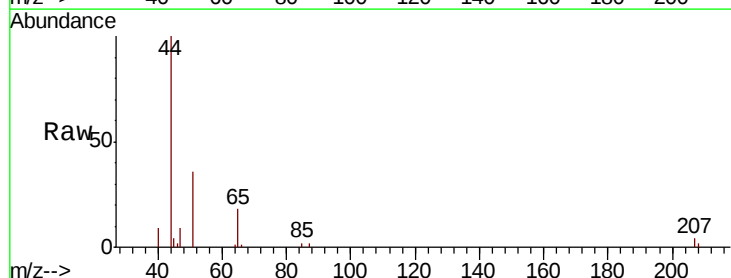
Acq: 05 May 2020 03:27

Tgt Ion: 85 Resp: 82

Ion Ratio Lower Upper

85 100

87 117.3 15.8 47.4#



Abundance Ion 84.90 (84.60 to 85.60): VY002513.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY002513.D (-22) (-)

1.92

100

80

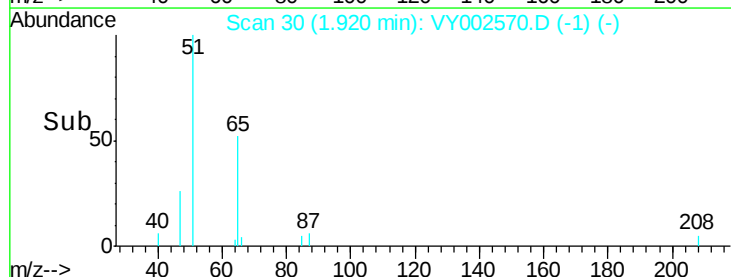
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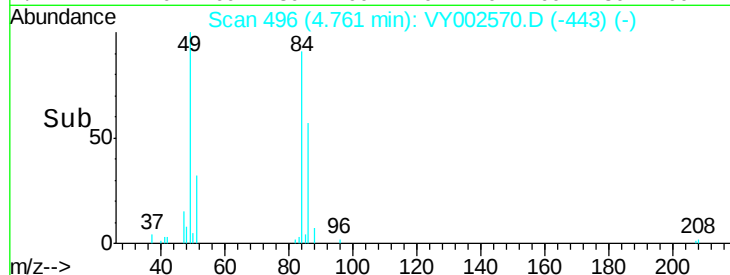
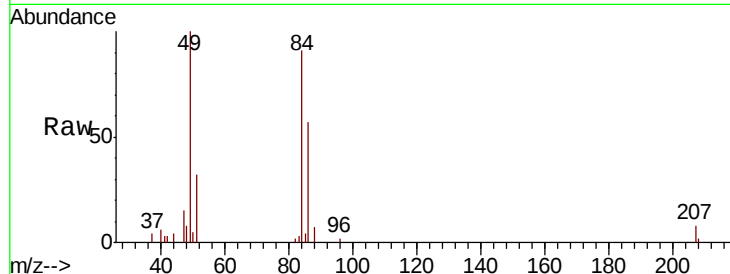
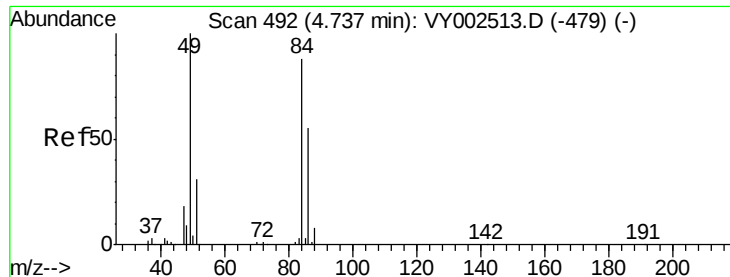
40

20

0

Time--> 1.90 1.92 1.94

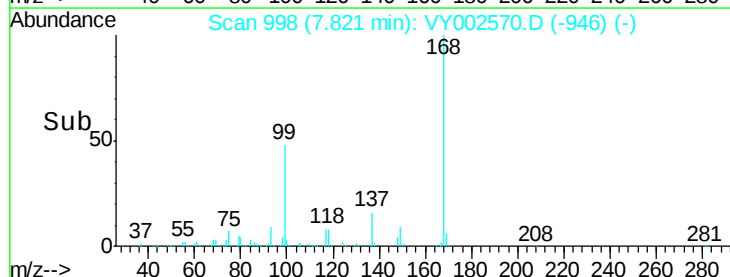
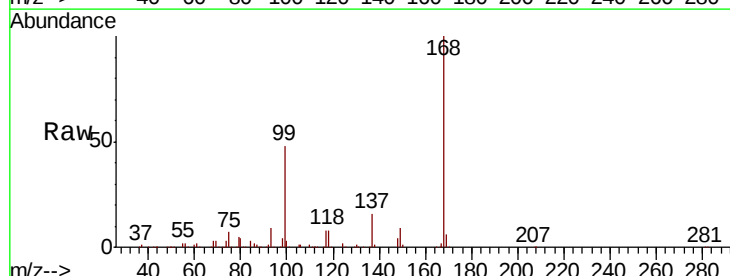
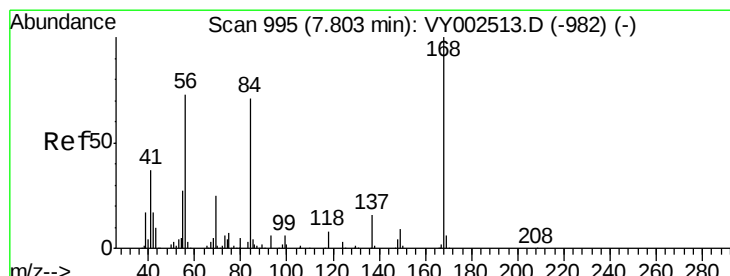
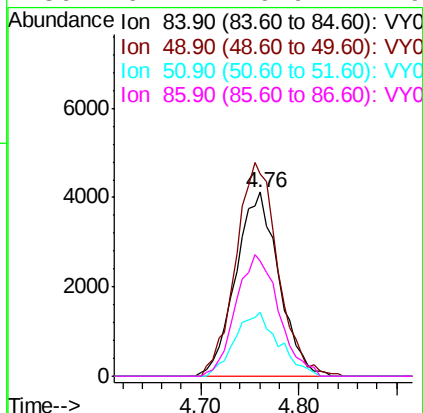




#20
Methvlene Chloride
Concen: 3.904 ug/l
RT: 4.76 min Scan# 496
Delta R.T. 0.02 min
Lab File: VY002570.D
Acq: 05 May 2020 03:27

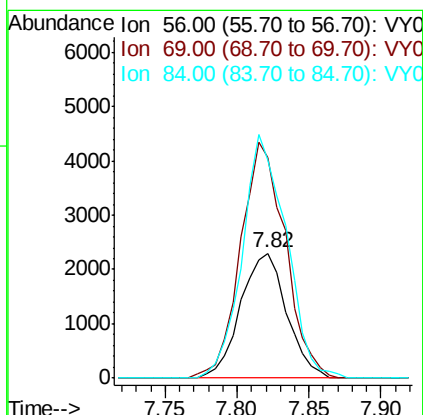
Instrument :
MSVOA_Y
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FK-GF-03-009-B

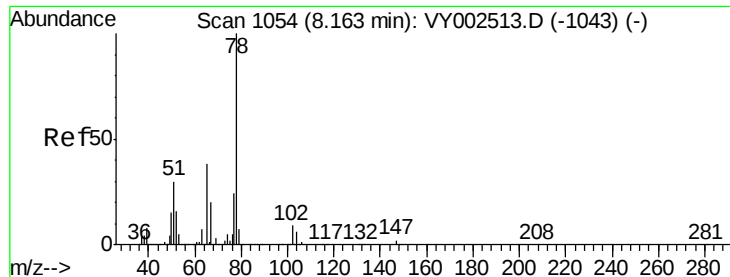
Tot Ion:	84	Resp:	12618
Ion	Ratio	Lower	Upper
84	100		
49	109.7	90.5	135.7
51	34.8	28.3	42.5
86	62.4	49.9	74.9



#31
Cyclohexane
Concen: 1.012 ug/l
RT: 7.82 min Scan# 998
Delta R.T. 0.02 min
Lab File: VY002570.D
Acq: 05 May 2020 03:27

Tgt Ion:	56	Resp:	5095
Ion	Ratio	Lower	Upper
56	100		
69	176.6	27.6	41.4#
84	174.4	77.7	116.5#

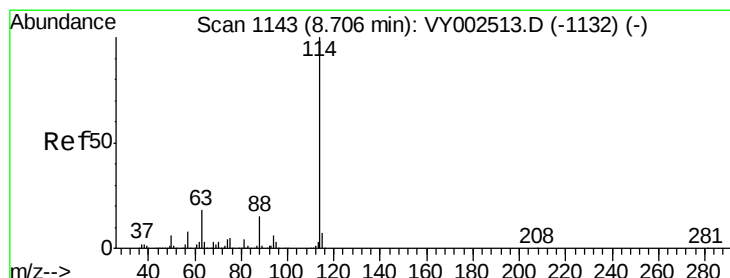
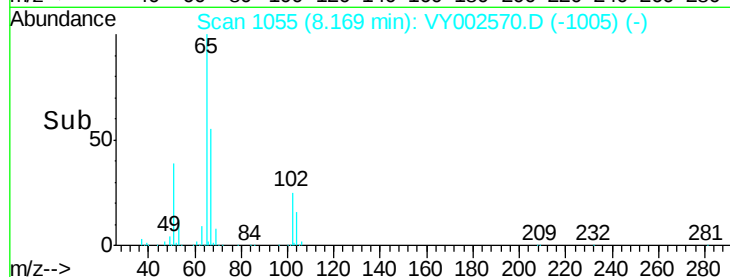
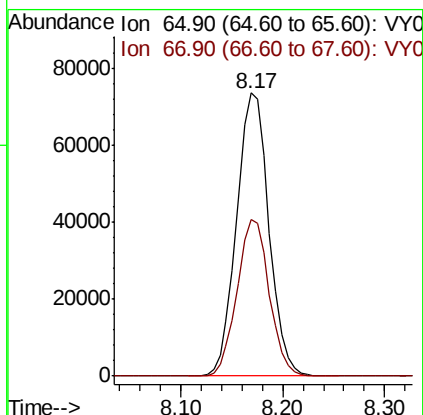
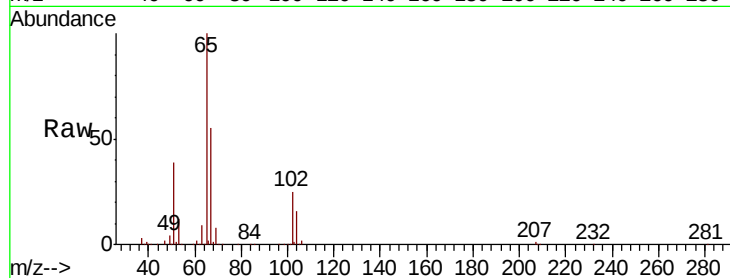




#33
 1,2-Dichloroethane-d4
 Concen: 57.939 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VY002570.D
 Acq: 05 May 2020 03:27

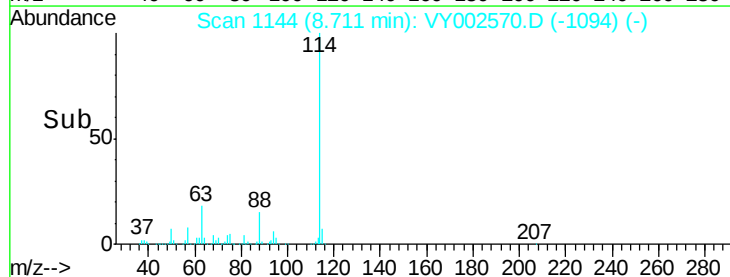
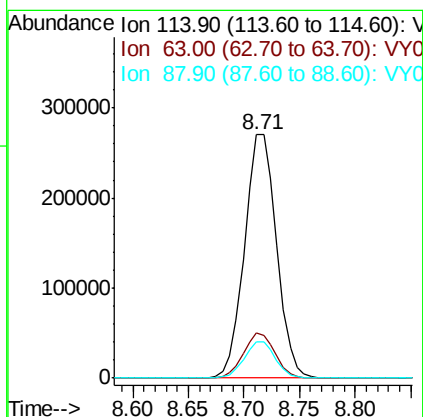
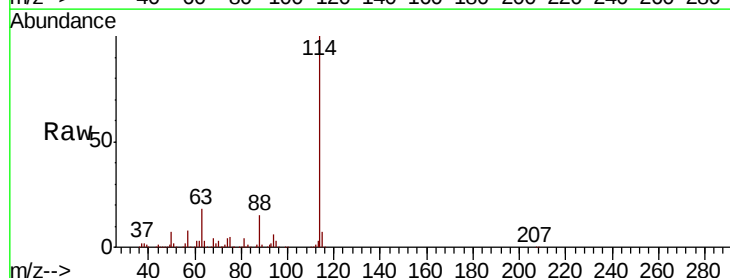
Instrument :
 MSVOA_Y
 ClientSampleId :
 FK-GF-03-009-B

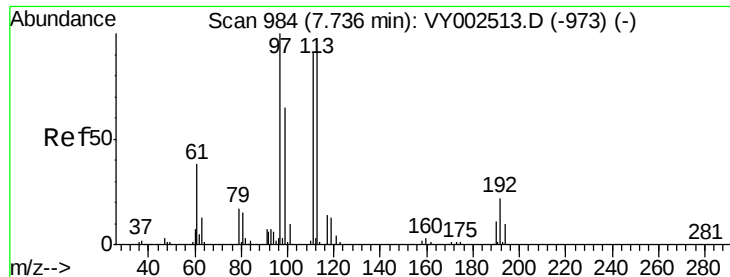
Tot Ion: 65 Resp: 162264
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VY002570.D
 Acq: 05 May 2020 03:27

Tgt Ion: 114 Resp: 541198
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 36.4
 88 15.1 0.0 29.6

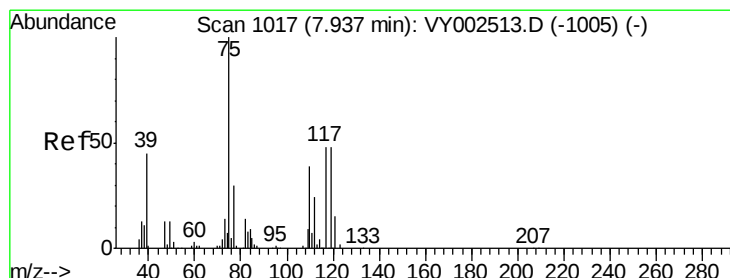
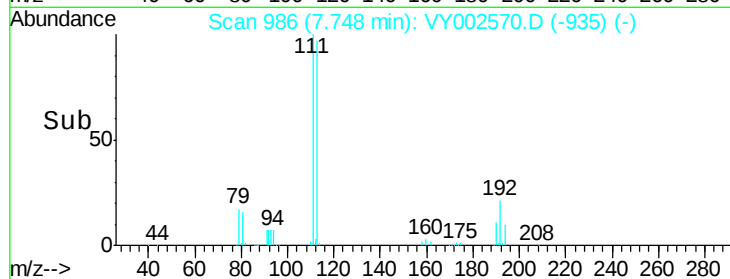
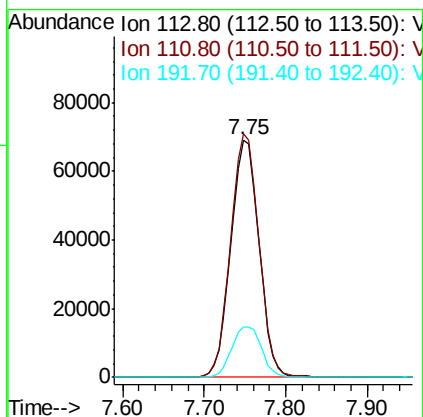
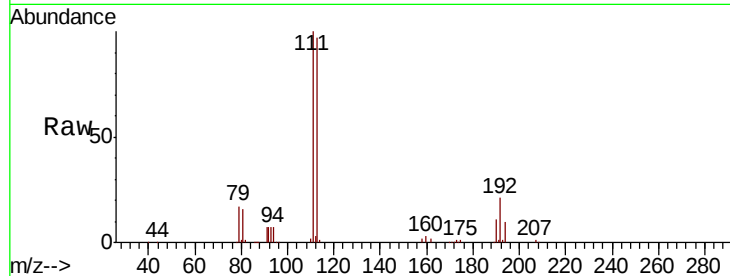




#35
 Dibromofluoromethane
 Concen: 53.360 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. 0.01 min
 Lab File: VY002570.D
 Acq: 05 May 2020 03:27

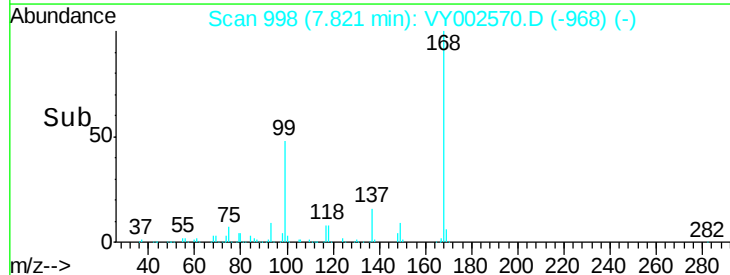
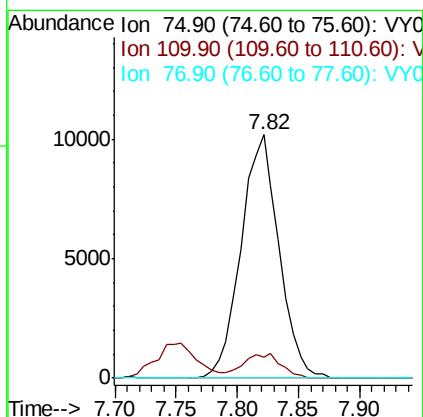
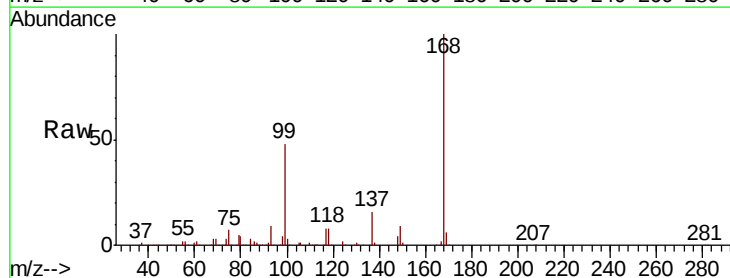
Instrument :
 MSVOA_Y
 ClientSampleId :
 FK-GF-03-009-B

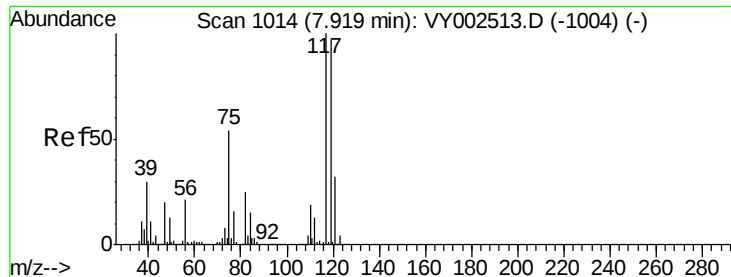
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.8	122.6
192	22.4	18.2	27.4



#36
 1,1-Dichloropropene
 Concen: 4.839 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.12 min
 Lab File: VY002570.D
 Acq: 05 May 2020 03:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.9	19.1	57.3#
77	0.0	24.6	37.0#





#38

Carbon Tetrachloride

Concen: 5.987 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.10 min

Lab File: VY002570.D

Acq: 05 May 2020 03:27

Instrument :

MSVOA_Y

ClientSampleId :

FK-GF-03-009-B

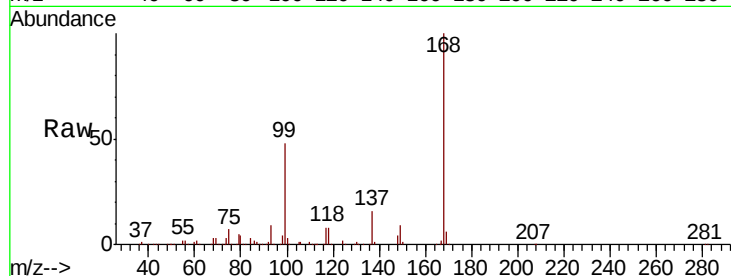
Tot Ion:117 Resp: 29657

Ion Ratio Lower Upper

117 100

119 5.3 77.1 115.7#

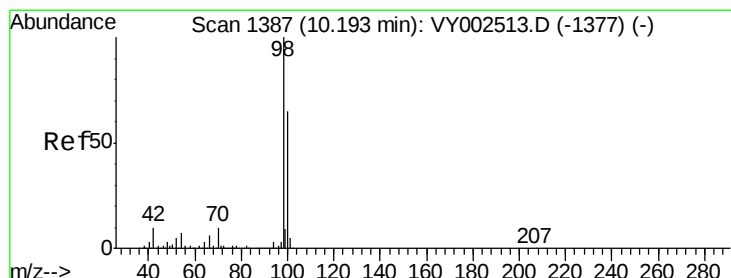
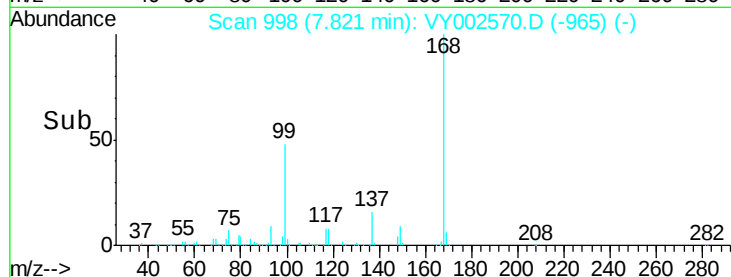
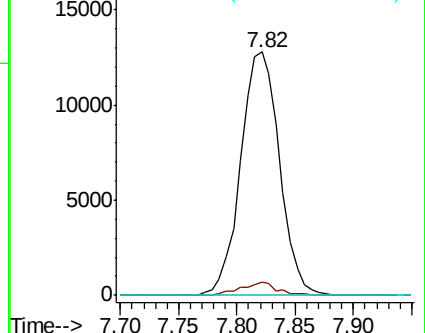
121 0.0 25.2 37.8#



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: 52.649 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VY002570.D

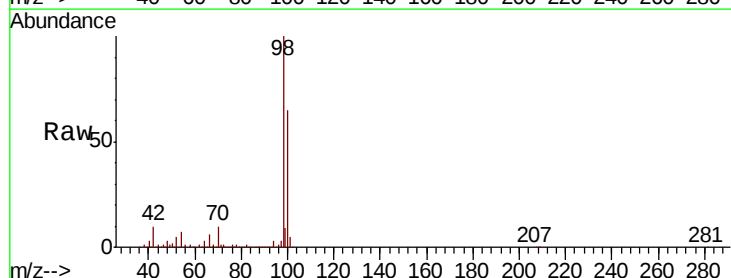
Acq: 05 May 2020 03:27

Tgt Ion: 98 Resp: 636362

Ion Ratio Lower Upper

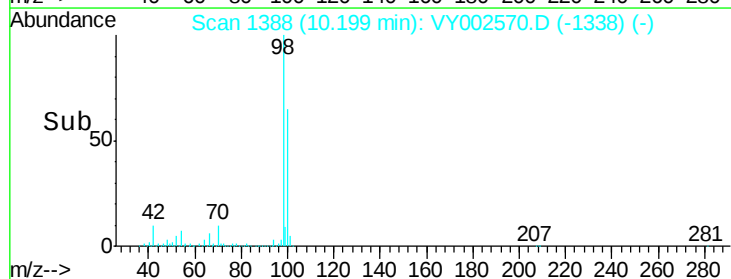
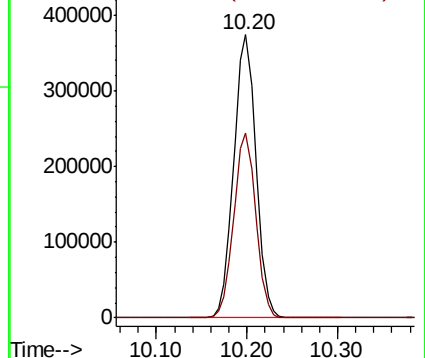
98 100

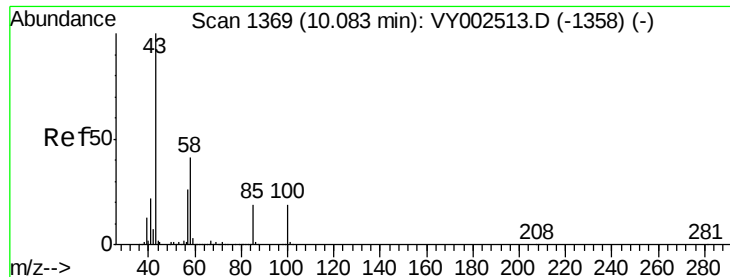
100 64.8 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#51

4-Methyl-2-Pentanone

Concen: 1.096 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.12 min

Lab File: VY002570.D

Acq: 05 May 2020 03:27

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MSVOA_Y

ClientSampleId :

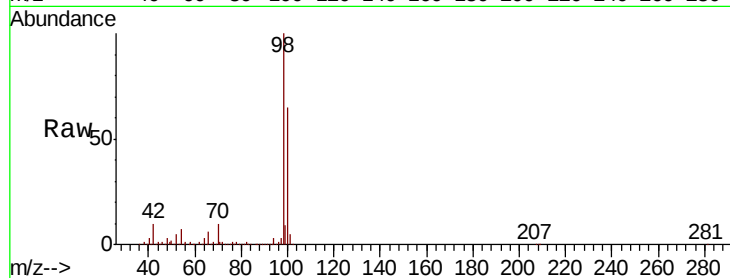
FK-GF-03-009-B

Tot Ion: 43 Resp: 2469

Ion Ratio Lower Upper

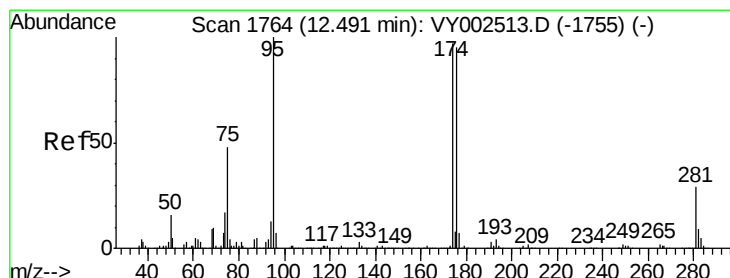
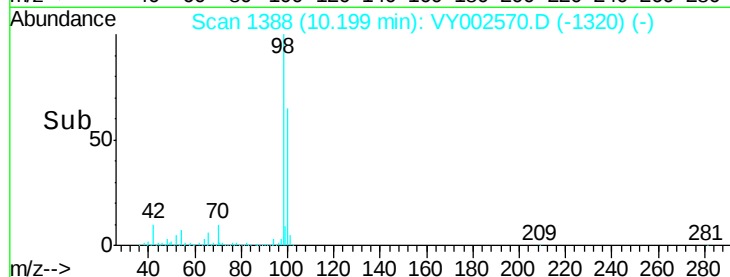
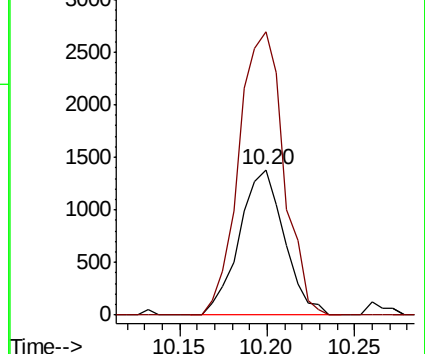
43 100

58 194.5 33.2 49.8#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#62

4-Bromofluorobenzene

Concen: 50.066 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VY002570.D

Acq: 05 May 2020 03:27

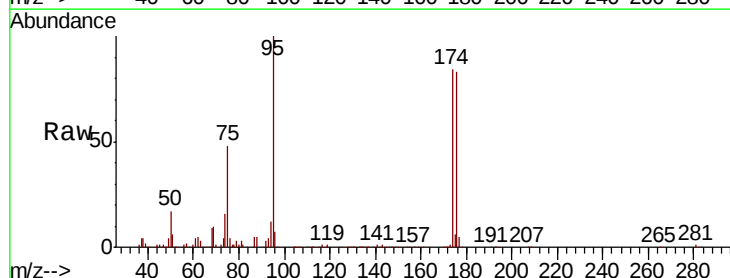
Tgt Ion: 95 Resp: 205341

Ion Ratio Lower Upper

95 100

174 92.4 0.0 188.8

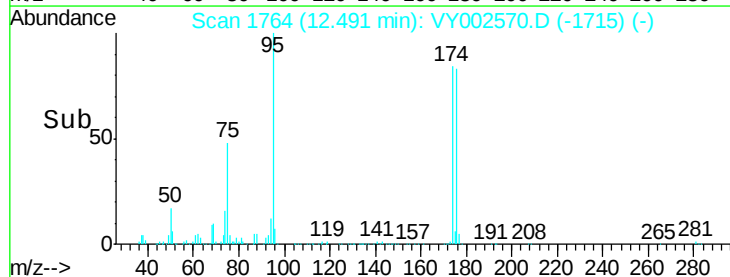
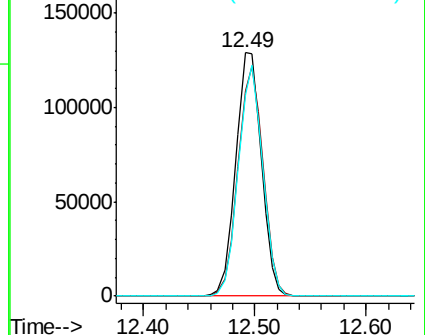
176 90.1 0.0 183.2

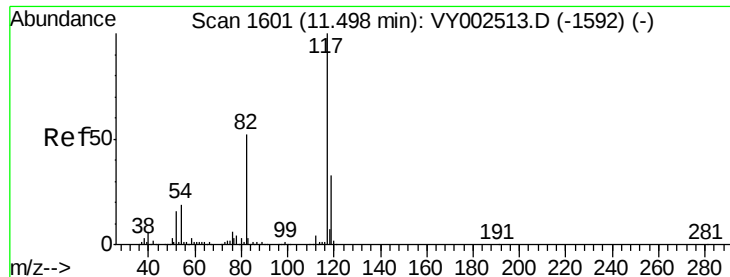


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

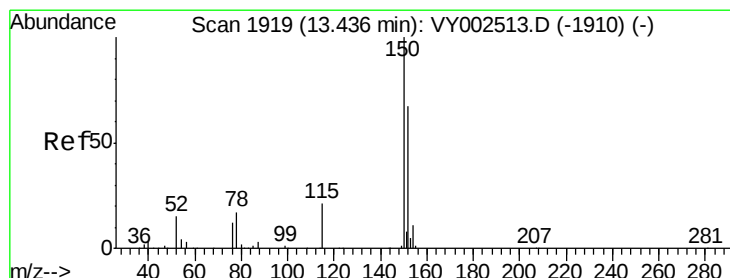
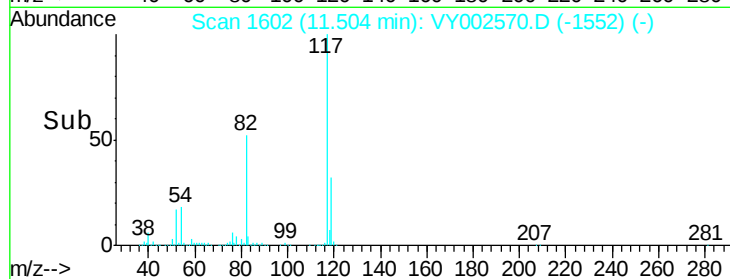
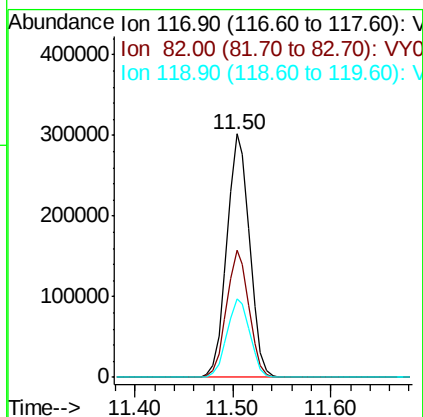
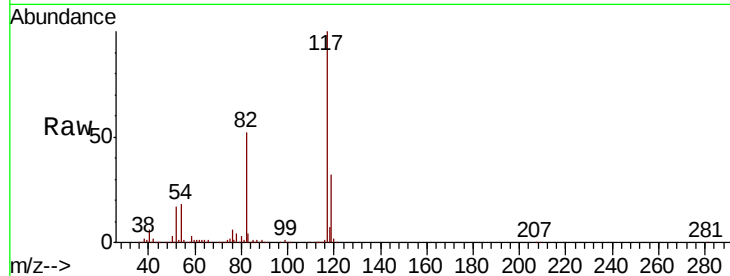




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY002570.D
Acq: 05 May 2020 03:27

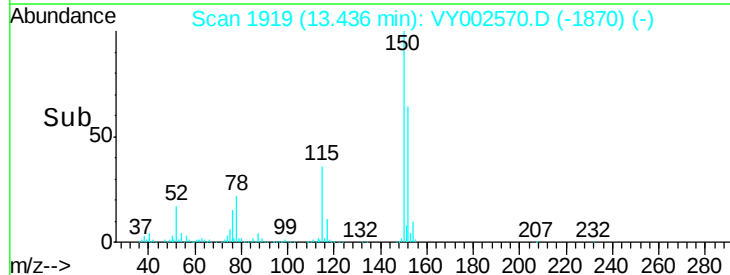
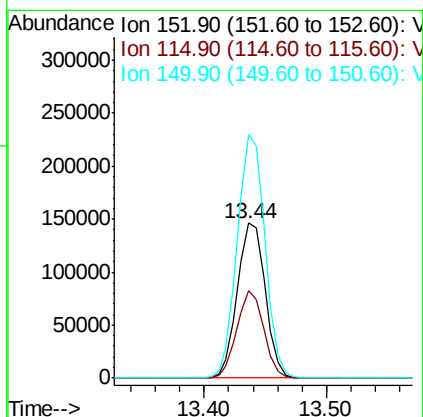
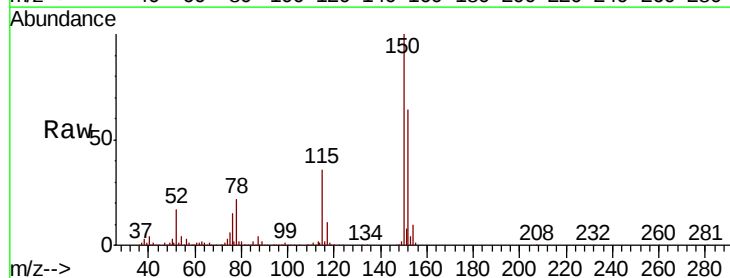
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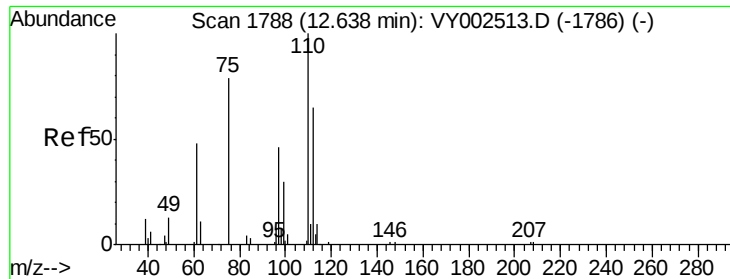
Tot Ion:117 Resp: 484376
Ion Ratio Lower Upper
117 100
82 52.0 41.3 61.9
119 32.1 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. -0.00 min
Lab File: VY002570.D
Acq: 05 May 2020 03:27

Tgt Ion:152 Resp: 230557
Ion Ratio Lower Upper
152 100
115 54.0 27.5 82.4
150 155.8 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 48.249 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. -0.14 min

Lab File: VY002570.D

Acq: 05 May 2020 03:27

Instrument :

MSVOA_Y

ClientSampleId :

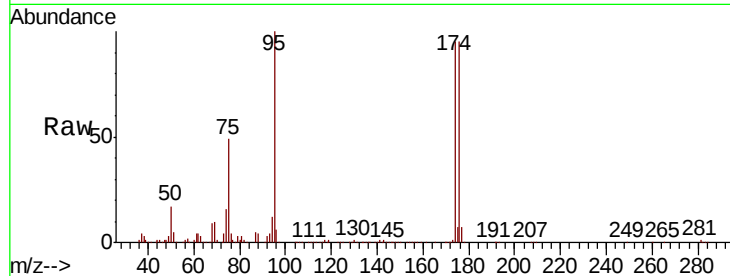
FK-GF-03-009-B

Tot Ion: 75 Resp: 98856

Ion Ratio Lower Upper

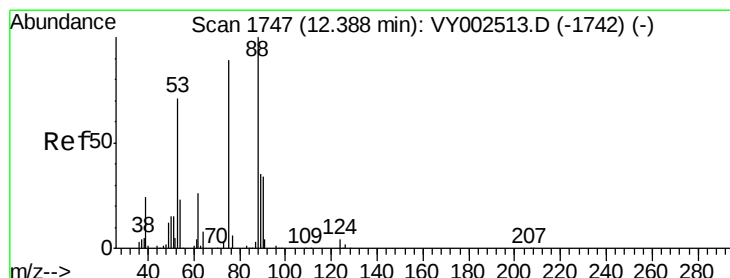
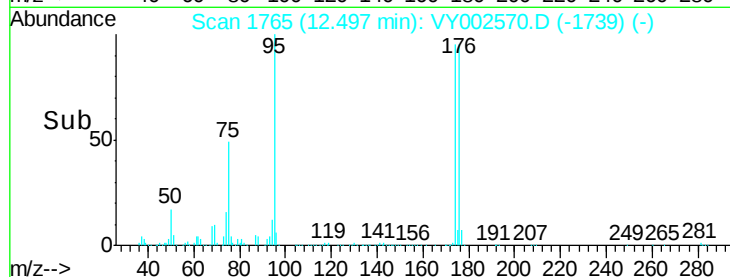
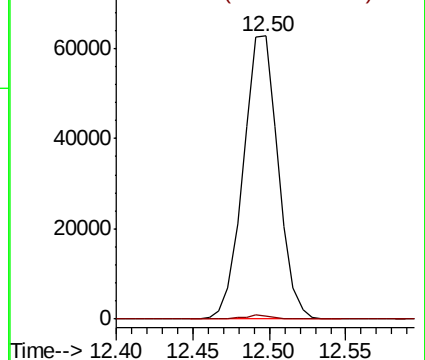
75 100

77 1.3 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: 96.748 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.11 min

Lab File: VY002570.D

Acq: 05 May 2020 03:27

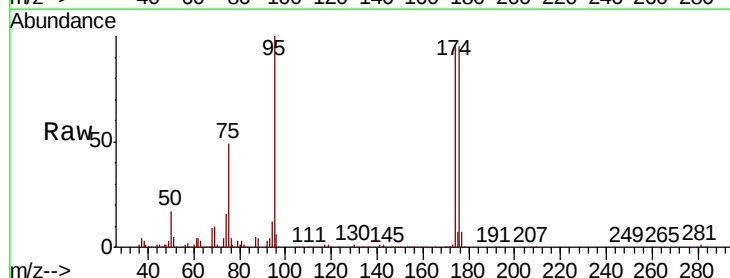
Tgt Ion: 75 Resp: 98856

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.0#

89 0.1 37.4 56.0#



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

