

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY071020\
 Data File : VY003172.D
 Acq On : 10 Jul 2020 18:42
 Operator : SY/MD
 Sample : L3257-03RE
 Misc : 6.23G/5ML/MSVOA Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 8FT-MH-A

Quant Time: Jul 11 06:03:27 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	435475	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	638554	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	531466	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	206532	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	194831	53.01	ug/l	0.00
Spiked Amount			Recovery	=	106.02%	
35) Dibromofluoromethane	7.72	113	193175	52.57	ug/l	0.00
Spiked Amount			Recovery	=	105.14%	
50) Toluene-d8	10.18	98	753264	55.14	ug/l	0.00
Spiked Amount			Recovery	=	110.28%	
62) 4-Bromofluorobenzene	12.48	95	216173	43.80	ug/l	0.00
Spiked Amount			Recovery	=	87.60%	

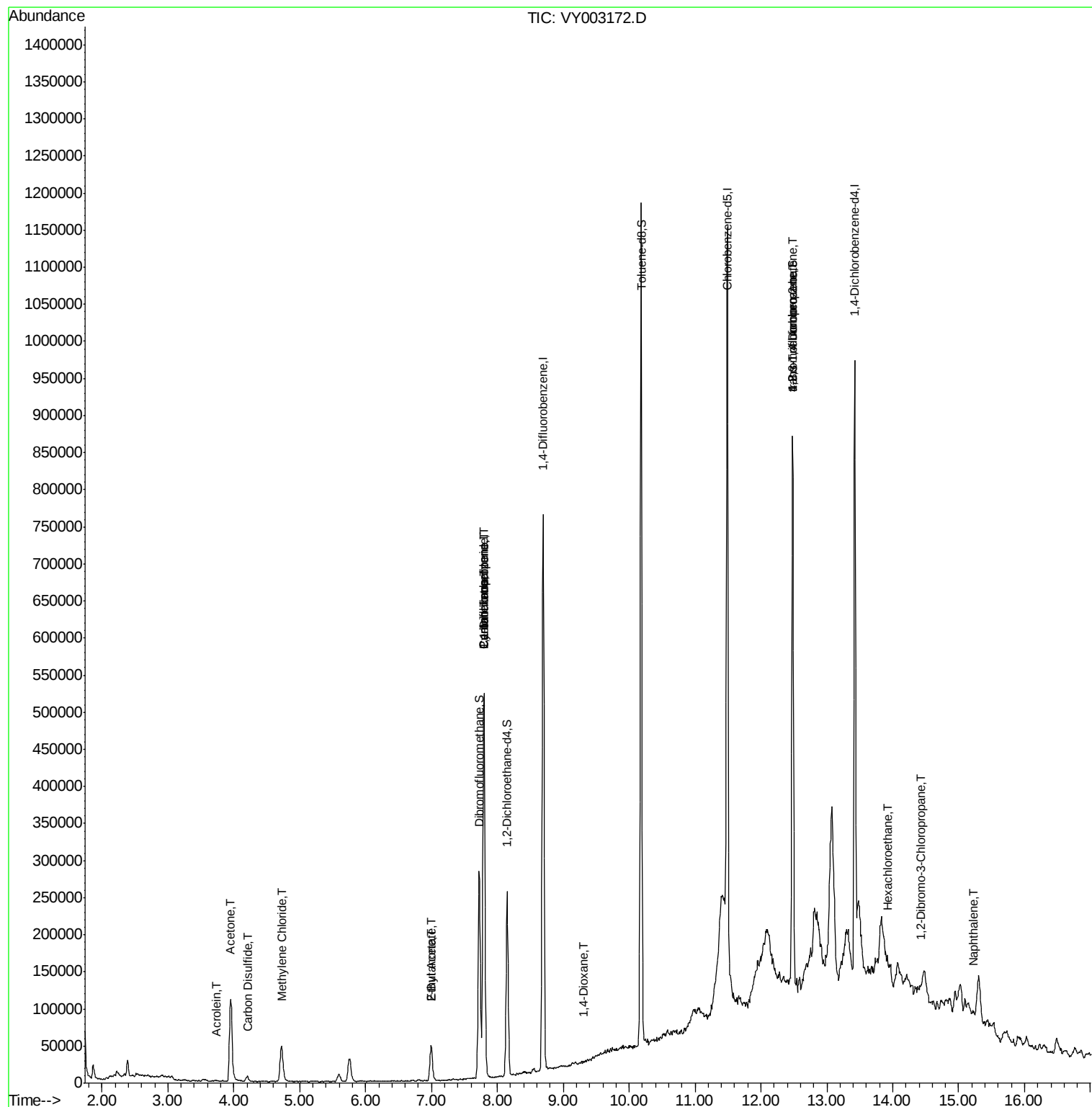
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.74	56	1491	4.322	ug/l #	63
16) Acetone	3.95	43	195992	238.720	ug/l	94
17) Carbon Disulfide	4.21	76	11592	1.042	ug/l	97
20) Methylene Chloride	4.72	84	38097	4.187	ug/l	94
25) 2-Butanone	6.99	43	78490	58.226	ug/l	97
31) Cyclohexane	7.80	56	8783	1.314	ug/l #	26
36) 1,1-Dichloropropene	7.80	75	29328	5.068	ug/l #	51
37) Ethyl Acetate	6.99	43	78490	25.184	ug/l #	68
38) Carbon Tetrachloride	7.80	117	40163	6.722	ug/l #	18
49) 1,4-Dioxane	9.30	88	436	14.264	ug/l #	46
76) 1,2,3-Trichloropropane	12.48	75	109702	60.007	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	109702	116.784	ug/l #	14
90) Hexachloroethane	13.92	117	6689	2.957	ug/l #	6
92) 1,2-Dibromo-3-Chloropropan	14.42	75	456	1.106	ug/l	82
95) Naphthalene	15.23	128	6889	1.052	ug/l #	93

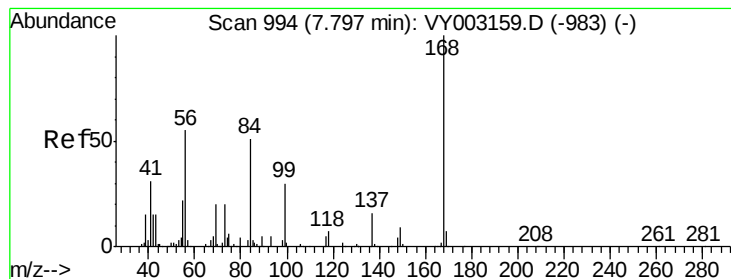
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY003172.D

Acq: 10 Jul 2020 18:42

Instrument :

MSVOA_Y

ClientSampleId :

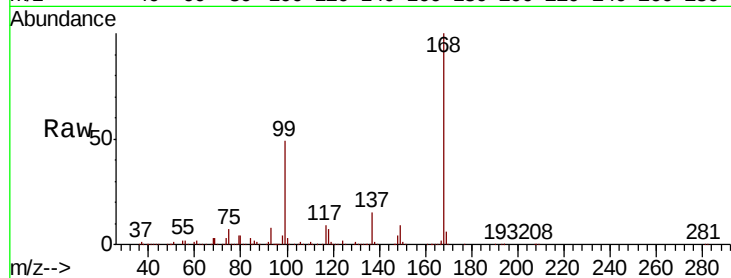
8FT-MH-A

Tot Ion:168 Resp: 435475

Ion Ratio Lower Upper

168 100

99 49.2 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

200000

150000

100000

50000

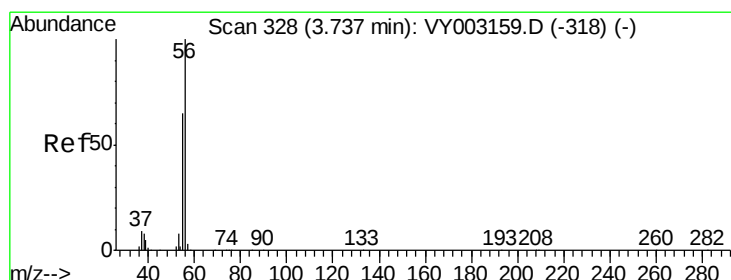
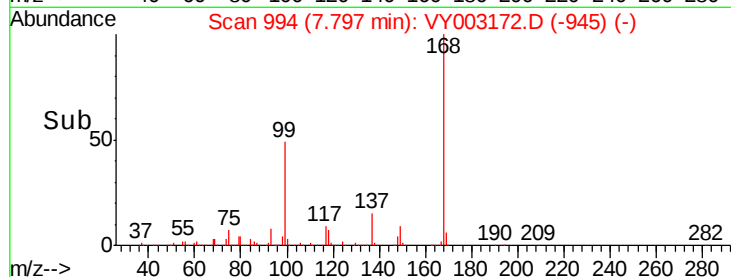
0

7.70

7.80

7.90

Time-->



#13

Acrolein

Concen: 4.322 ug/l

RT: 3.74 min Scan# 328

Delta R.T. -0.00 min

Lab File: VY003172.D

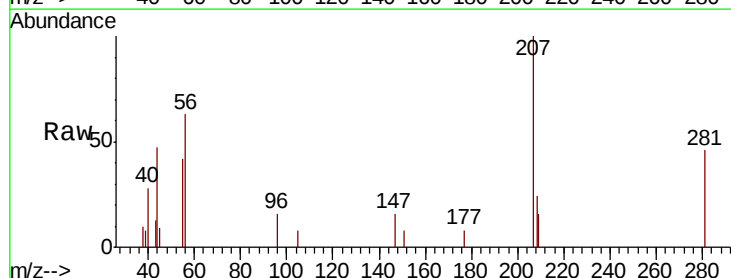
Acq: 10 Jul 2020 18:42

Tgt Ion: 56 Resp: 1491

Ion Ratio Lower Upper

56 100

55 100.5 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) (-)

3.74

600

500

400

300

200

100

0

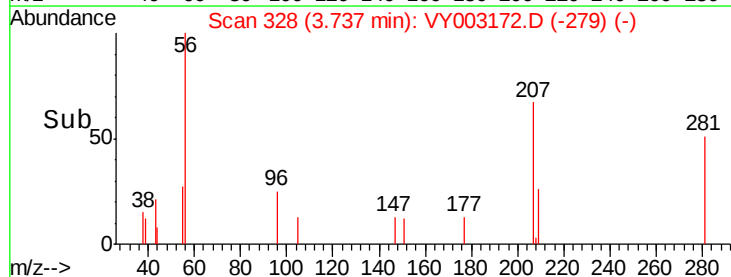
3.65

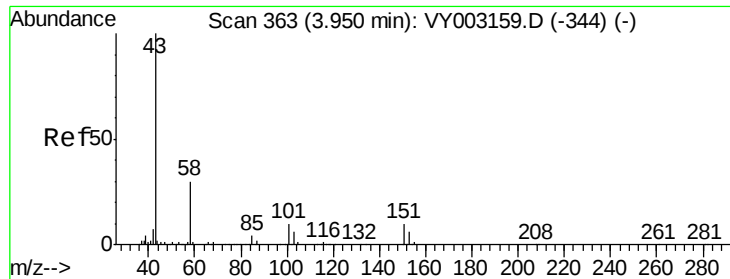
3.70

3.75

3.80

Time-->





#16

Acetone

Concen: 238.720 ug/l

RT: 3.95 min Scan# 363

Delta R.T. -0.00 min

Lab File: VY003172.D

Acq: 10 Jul 2020 18:42

Instrument :

MSVOA_Y

ClientSampleId :

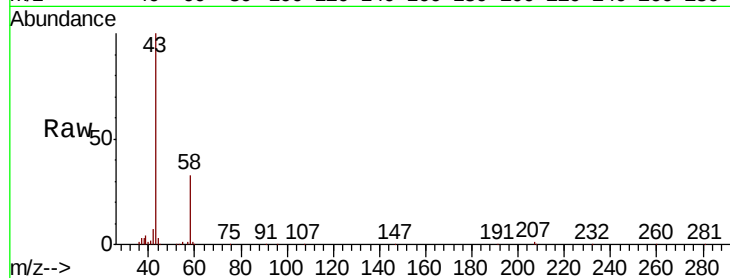
8FT-MH-A

Tot Ion: 43 Resp: 195992

Ion Ratio Lower Upper

43 100

58 32.7 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.95

80000

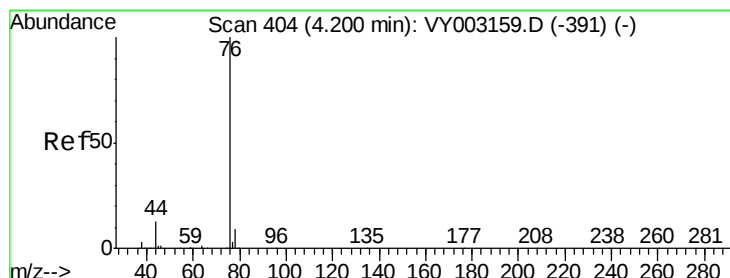
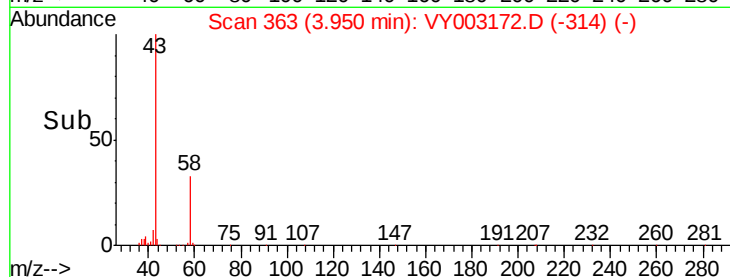
60000

40000

20000

0

Time--> 3.80 3.90 4.00 4.10



#17

Carbon Disulfide

Concen: 1.042 ug/l

RT: 4.21 min Scan# 405

Delta R.T. 0.01 min

Lab File: VY003172.D

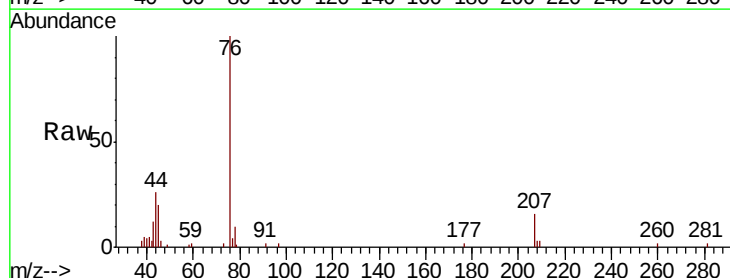
Acq: 10 Jul 2020 18:42

Tgt Ion: 76 Resp: 11592

Ion Ratio Lower Upper

76 100

78 10.0 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

4.21

4000

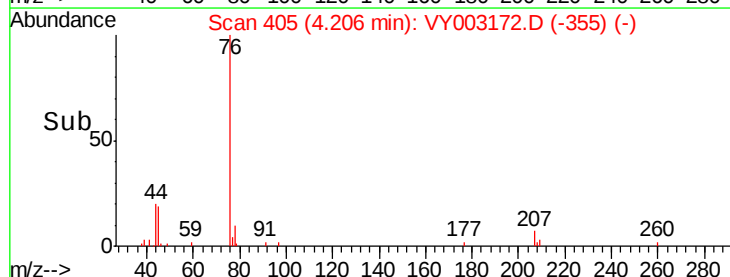
3000

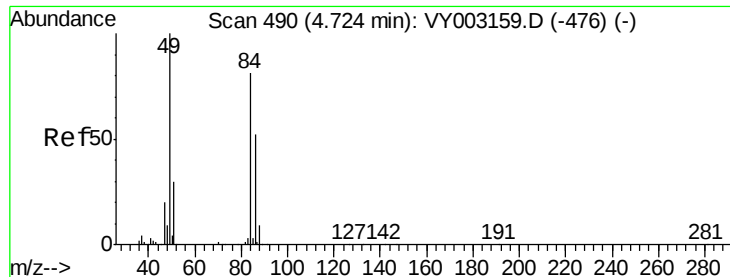
2000

1000

0

Time--> 4.10 4.20 4.30

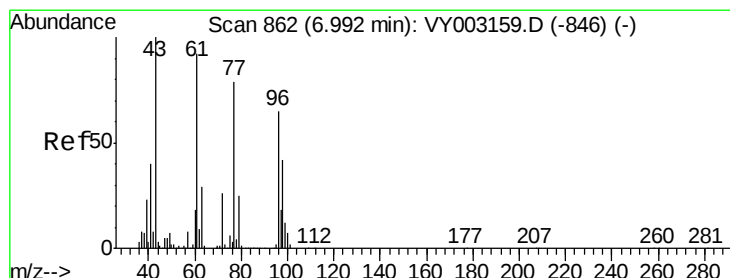
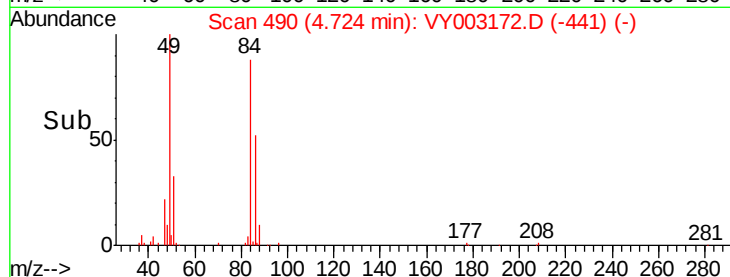
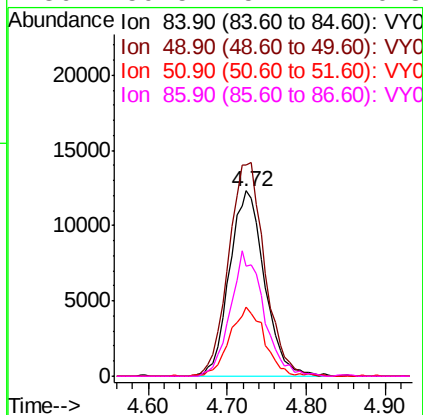
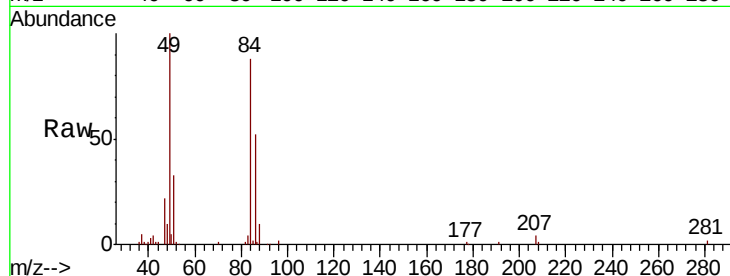




#20
Methylene Chloride
Concen: 4.187 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY003172.D
Acq: 10 Jul 2020 18:42

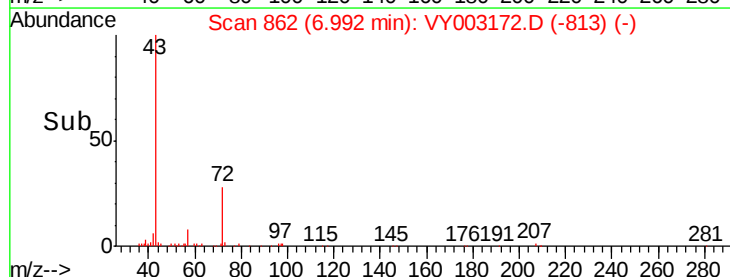
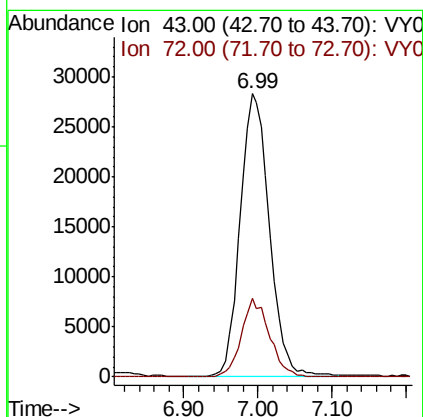
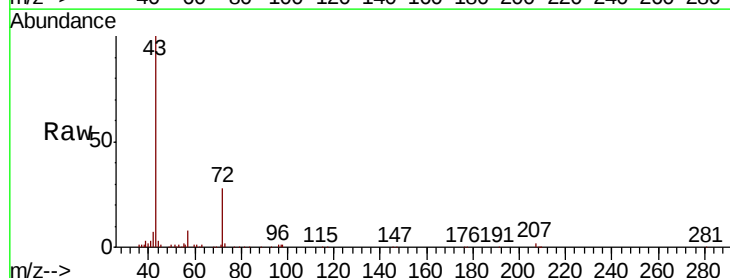
Instrument :
MSVOA_Y
ClientSampleId :
8FT-MH-A

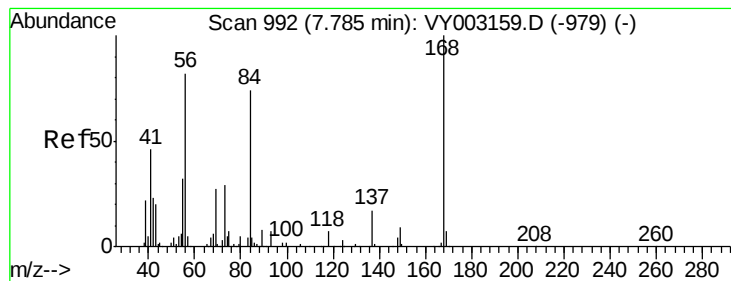
Tot Ion:	84	Resp:	38097
Ion	Ratio	Lower	Upper
84	100		
49	114.1	98.2	147.4
51	37.1	29.8	44.6
86	59.5	51.2	76.8



#25
2-Butanone
Concen: 58.226 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.00 min
Lab File: VY003172.D
Acq: 10 Jul 2020 18:42

Tgt Ion:	43	Resp:	78490
Ion	Ratio	Lower	Upper
43	100		
72	27.7	20.9	31.3





#31

Cyclohexane

Concen: 1.314 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY003172.D

Acq: 10 Jul 2020 18:42

Instrument :

MSVOA_Y

ClientSampleId :

8FT-MH-A

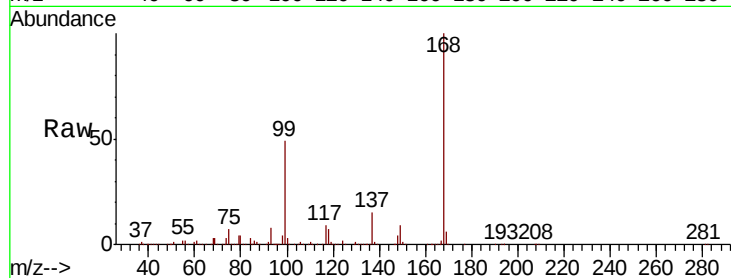
Tot Ion: 56 Resp: 8783

Ion Ratio Lower Upper

56 100

69 130.1 26.7 40.1#

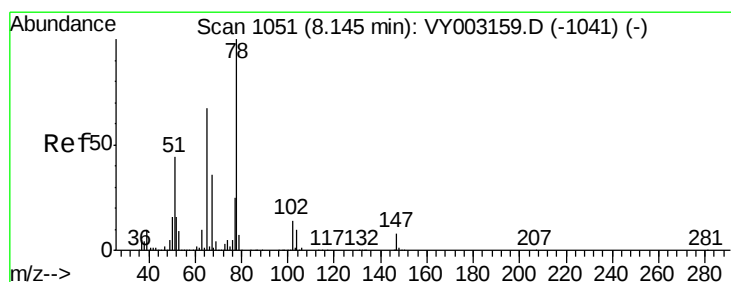
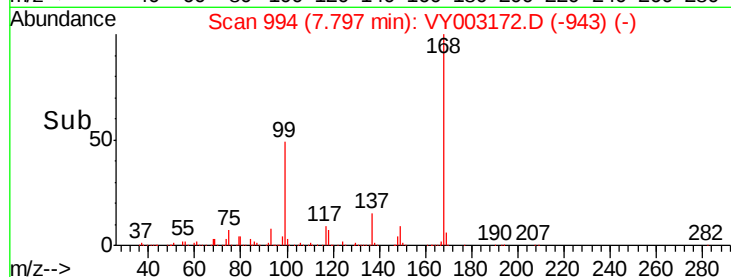
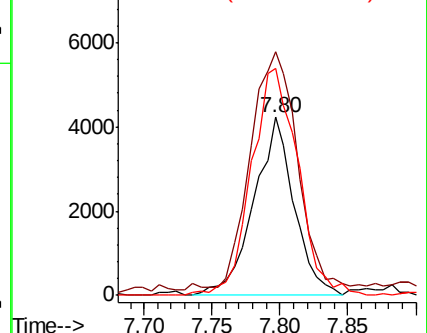
84 126.2 72.3 108.5#



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: 53.007 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VY003172.D

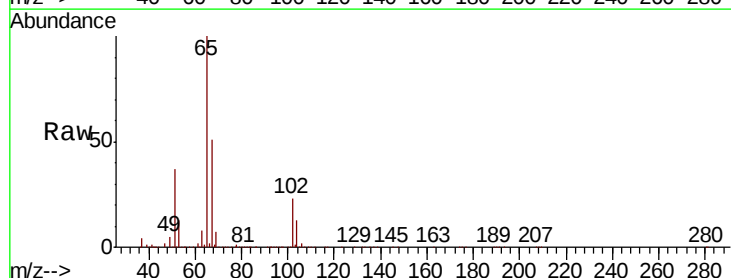
Acq: 10 Jul 2020 18:42

Tgt Ion: 65 Resp: 194831

Ion Ratio Lower Upper

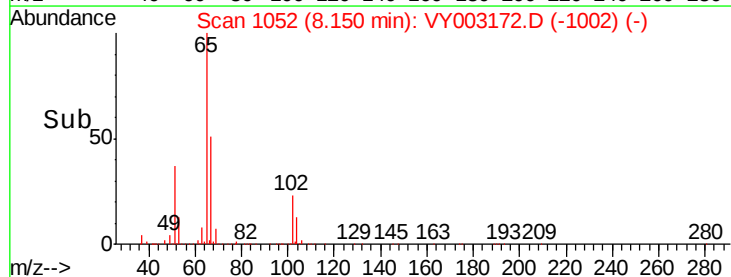
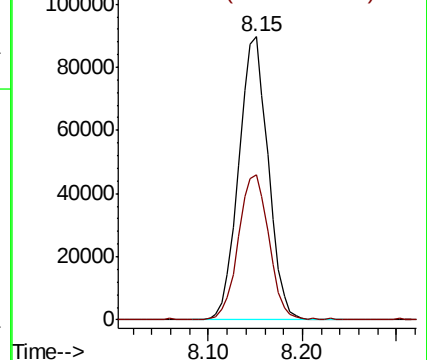
65 100

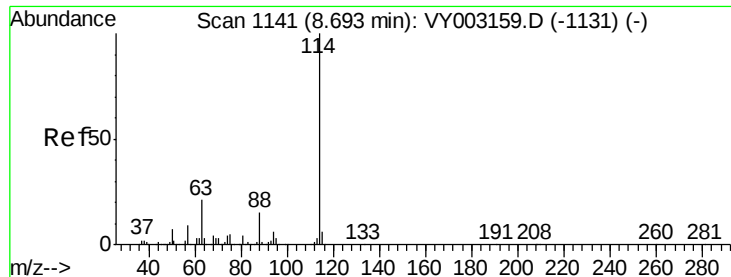
67 52.5 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

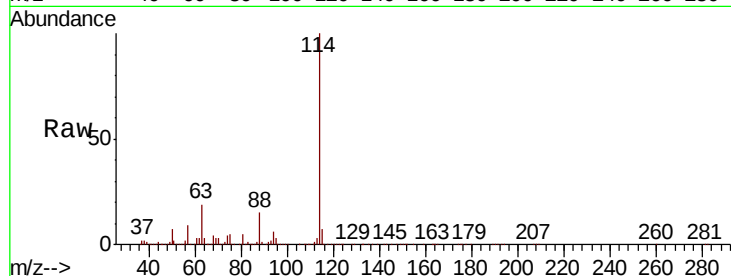




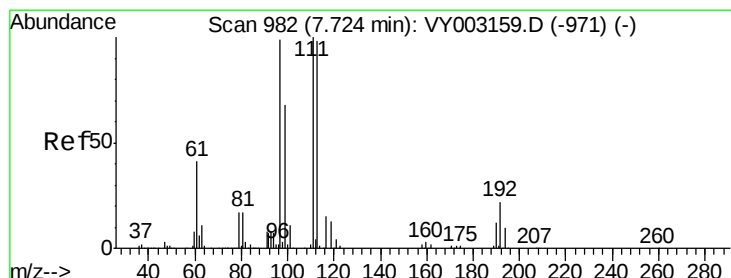
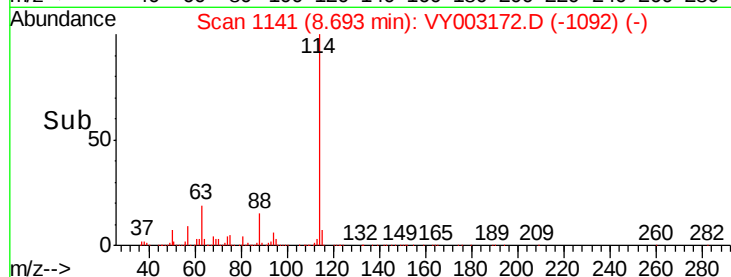
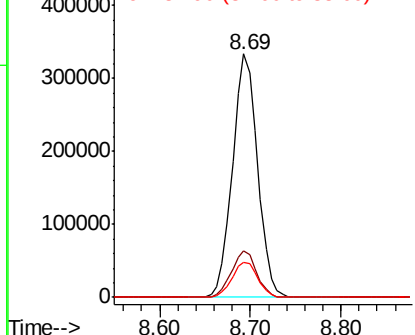
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.69 min Scan# 1141
Delta R.T. -0.00 min
Lab File: VY003172.D
Acq: 10 Jul 2020 18:42

Instrument :
MSVOA_Y
ClientSampleId :
8FT-MH-A

Tot Ion:114 Resp: 638554
Ion Ratio Lower Upper
114 100
63 19.2 0.0 41.2
88 14.6 0.0 30.2

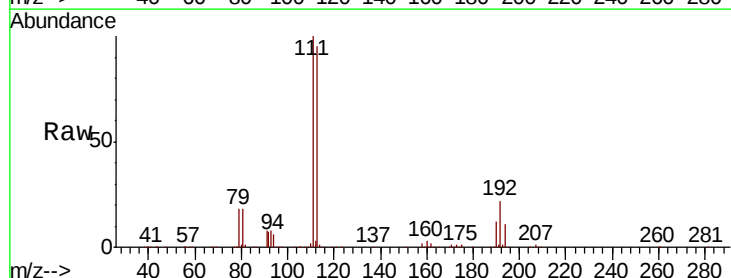


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VY0
Ion 87.90 (87.60 to 88.60): VY0

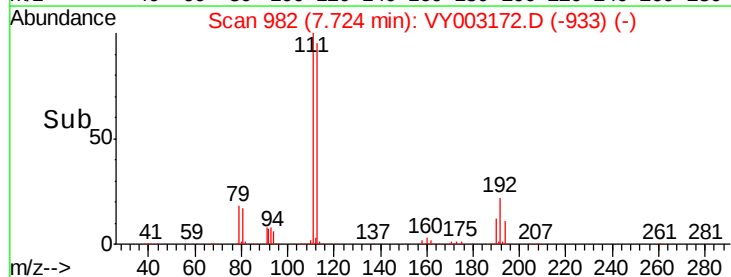
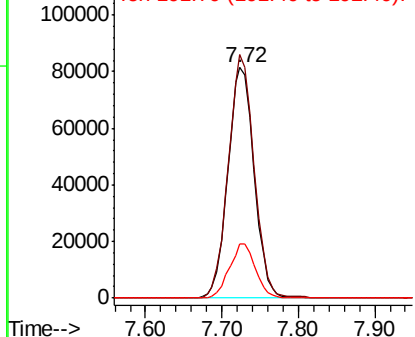


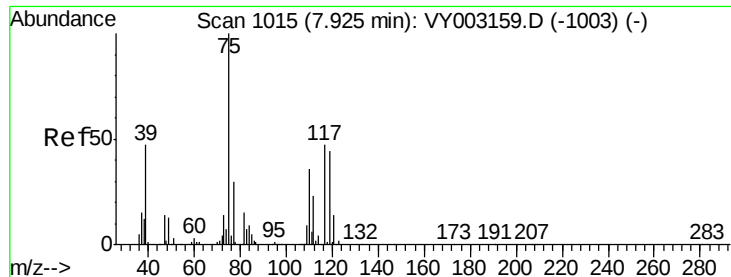
#35
Dibromofluoromethane
Concen: 52.569 ug/l
RT: 7.72 min Scan# 982
Delta R.T. -0.00 min
Lab File: VY003172.D
Acq: 10 Jul 2020 18:42

Tgt Ion:113 Resp: 193175
Ion Ratio Lower Upper
113 100
111 103.2 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

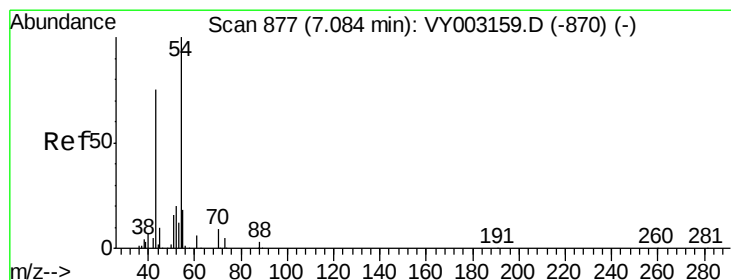
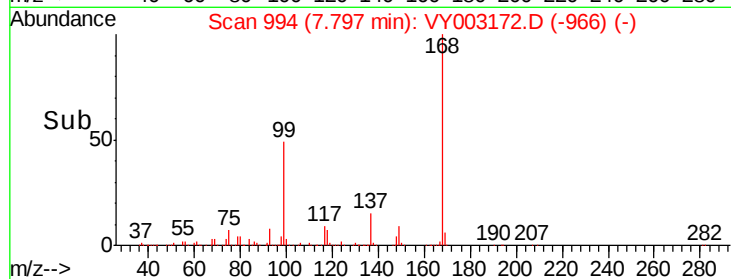
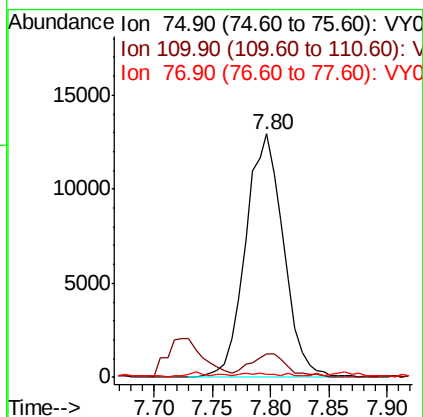
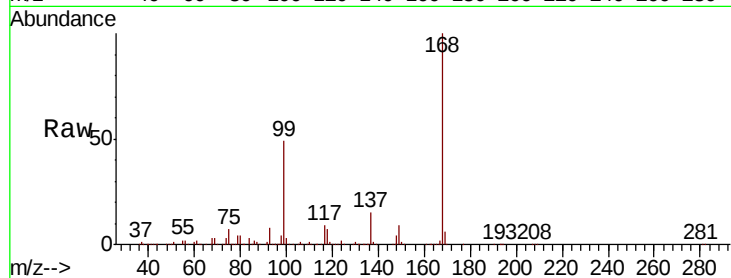




#36
 1,1-Dichloropropene
 Concen: 5.068 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY003172.D
 Acq: 10 Jul 2020 18:42

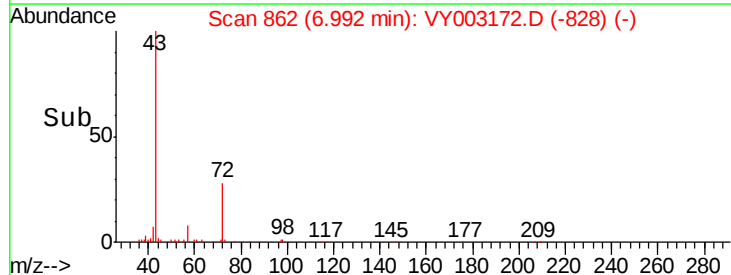
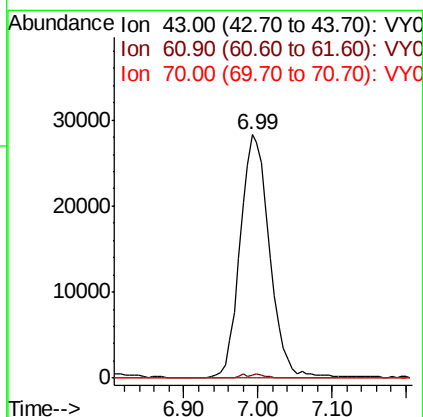
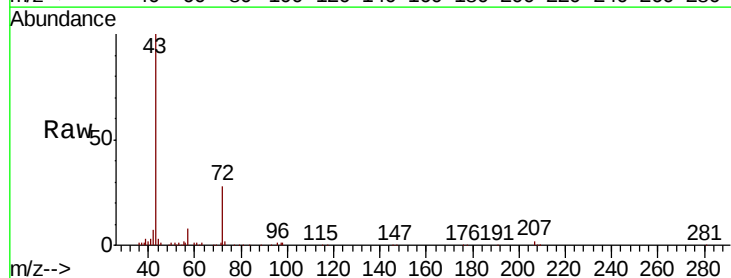
Instrument :
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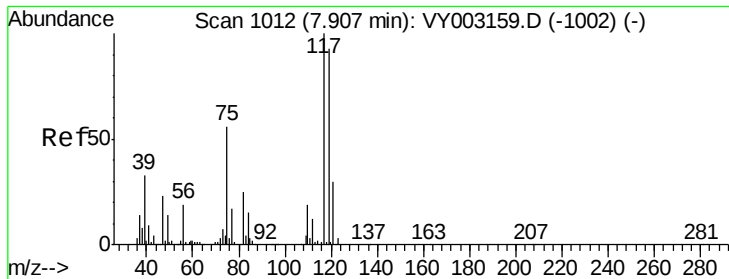
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.6	18.1	54.1#
77	1.2	24.8	37.2#



#37
 Ethyl Acetate
 Concen: 25.184 ug/l
 RT: 6.99 min Scan# 862
 Delta R.T. -0.09 min
 Lab File: VY003172.D
 Acq: 10 Jul 2020 18:42

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.6	11.8	17.6#
70	0.0	8.6	13.0#

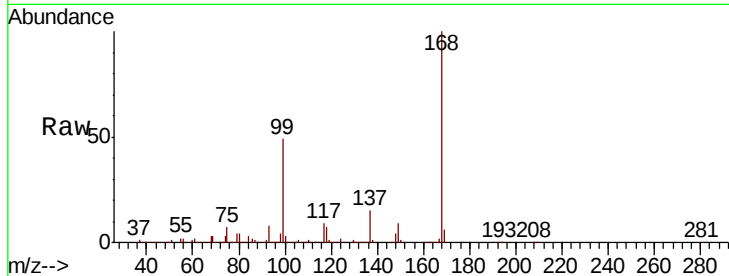




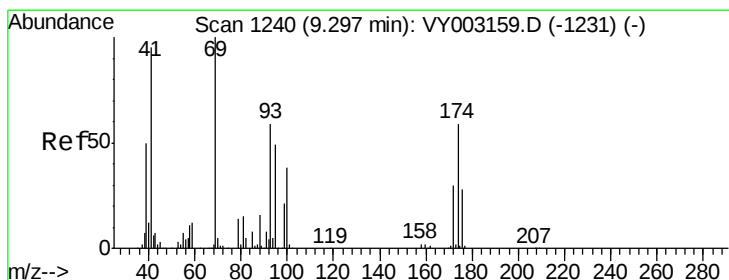
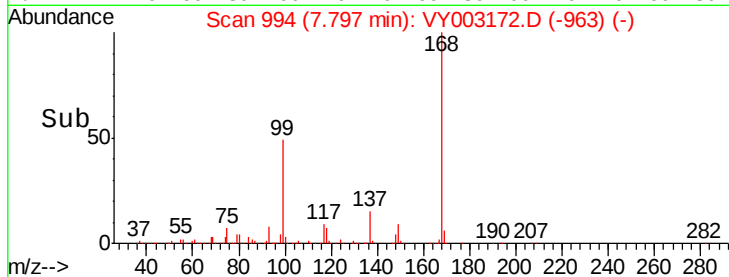
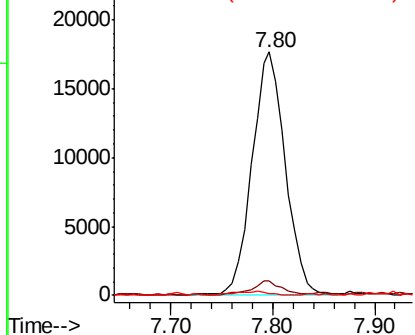
#38
Carbon Tetrachloride
Concen: 6.722 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.11 min
Lab File: VY003172.D
Acq: 10 Jul 2020 18:42

Instrument :
MSVOA_Y
ClientSampleId :
8FT-MH-A

Tot Ion:117 Resp: 40163
Ion Ratio Lower Upper
117 100
119 6.2 74.5 111.7#
121 0.5 24.2 36.2#

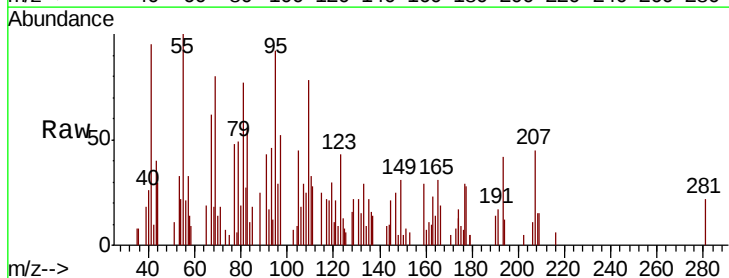


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

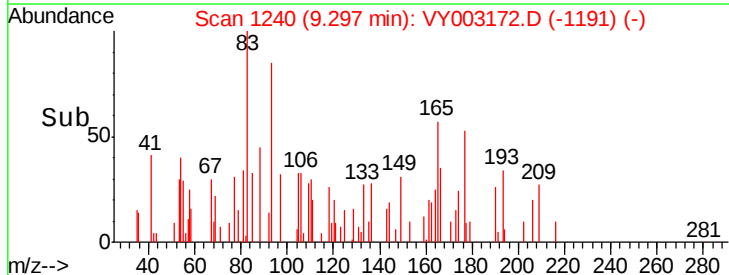
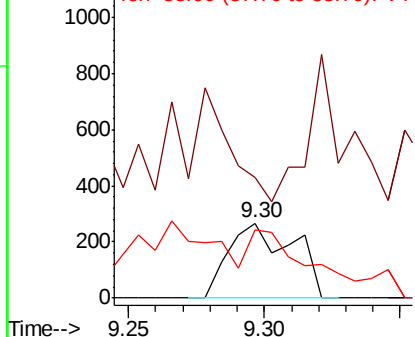


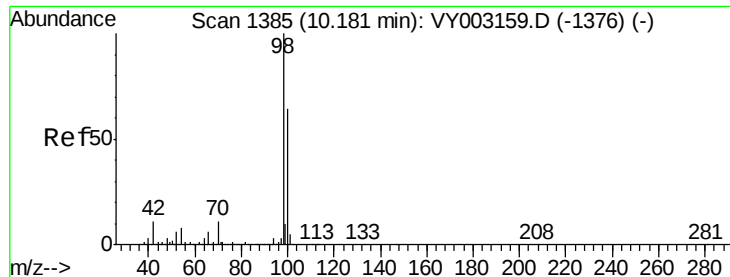
#49
1,4-Dioxane
Concen: 14.264 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VY003172.D
Acq: 10 Jul 2020 18:42

Tgt Ion: 88 Resp: 436
Ion Ratio Lower Upper
88 100
43 0.0 25.6 38.4#
58 99.1 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: 55.136 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003172.D

Acq: 10 Jul 2020 18:42

Instrument :

MSVOA_Y

ClientSampleId :

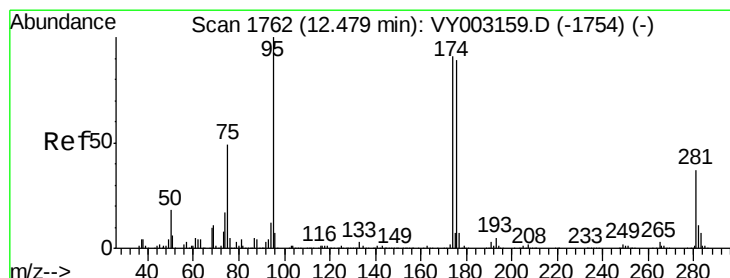
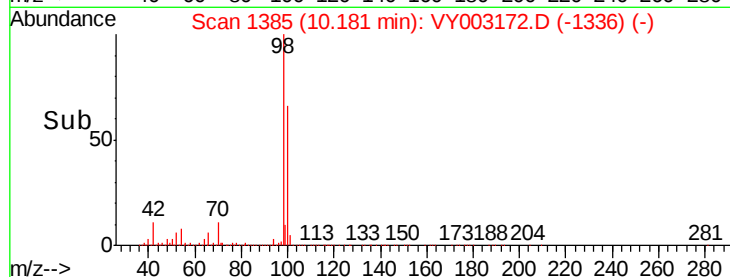
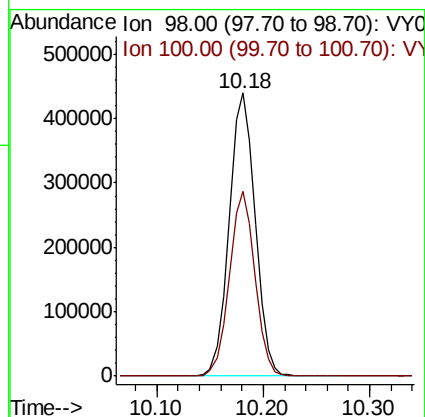
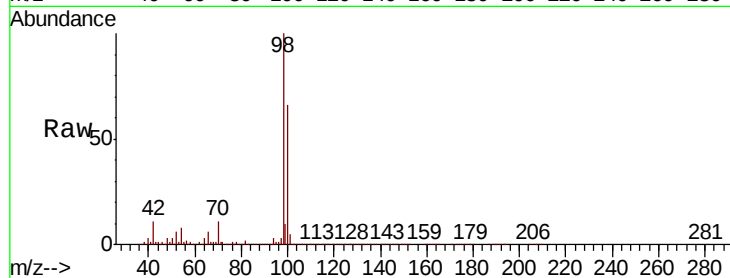
8FT-MH-A

Tot Ion: 98 Resp: 753264

Ion Ratio Lower Upper

98 100

100 64.1 50.7 76.1



#62

4-Bromofluorobenzene

Concen: 43.799 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003172.D

Acq: 10 Jul 2020 18:42

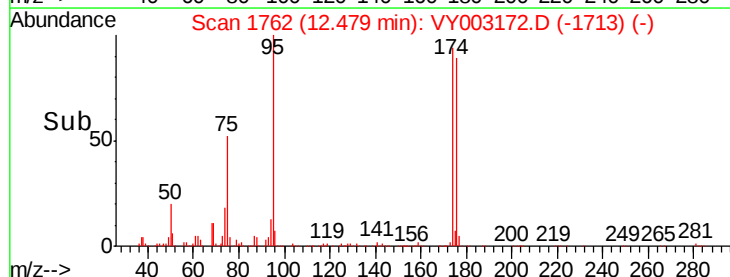
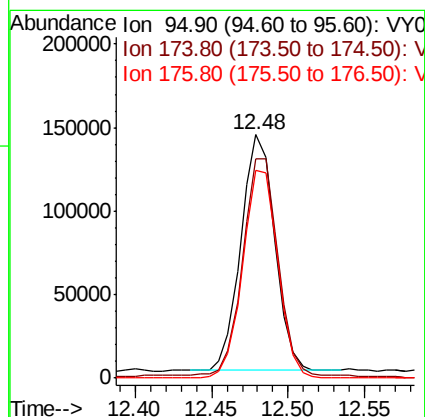
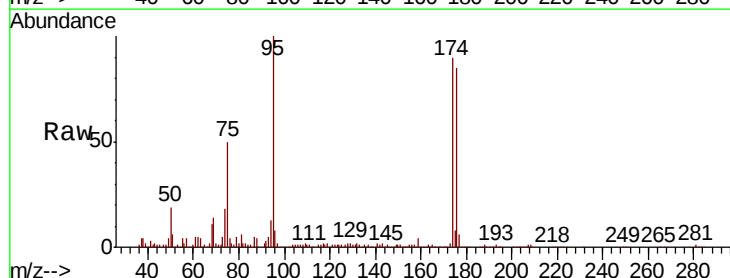
Tgt Ion: 95 Resp: 216173

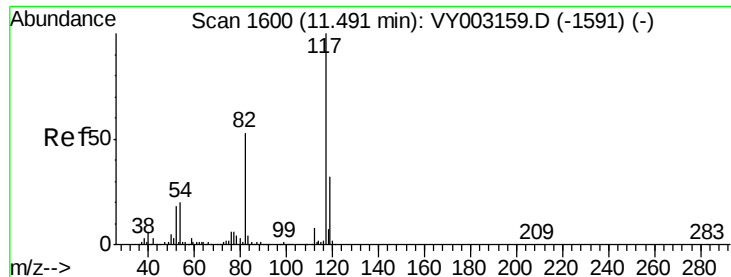
Ion Ratio Lower Upper

95 100

174 99.8 0.0 190.6

176 91.7 0.0 186.4

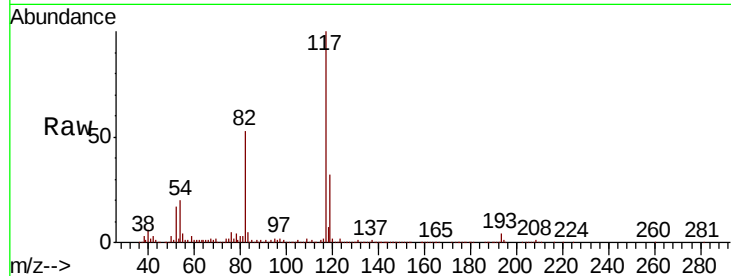




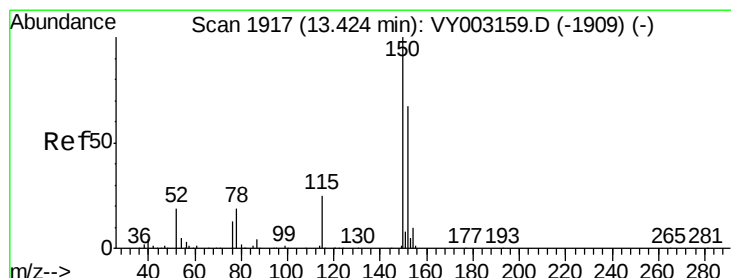
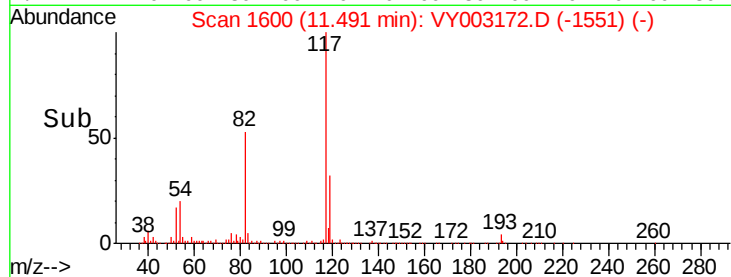
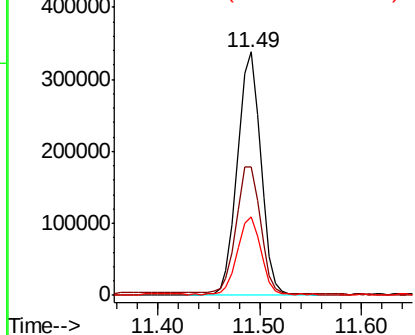
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003172.D
Acq: 10 Jul 2020 18:42

Instrument :
MSVOA_Y
ClientSampleId :
8FT-MH-A

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.5	42.0	63.0
119	32.1	25.5	38.3

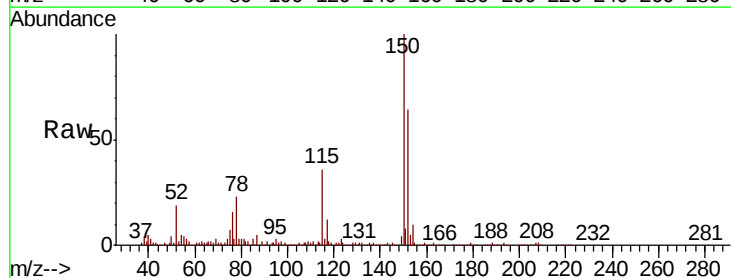


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

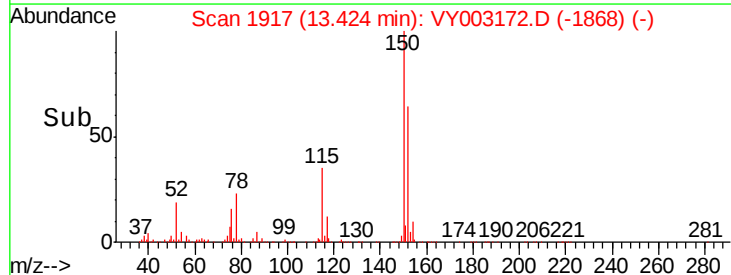
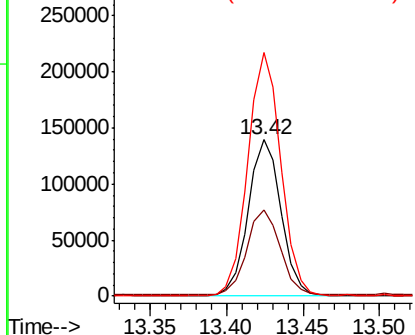


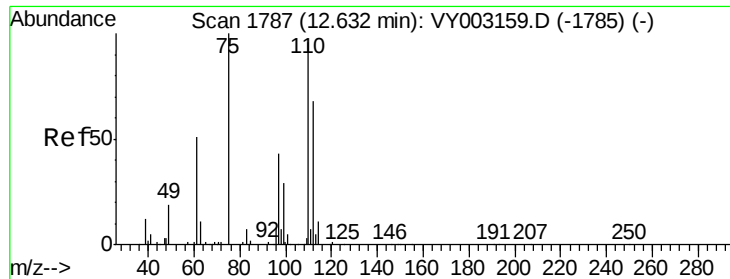
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003172.D
Acq: 10 Jul 2020 18:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	26.9	80.7
150	156.8	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: 60.007 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003172.D

Acq: 10 Jul 2020 18:42

Instrument :

MSVOA_Y

ClientSampleId :

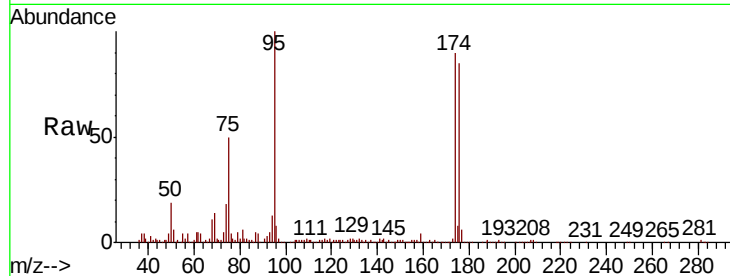
8FT-MH-A

Tot Ion: 75 Resp: 109702

Ion Ratio Lower Upper

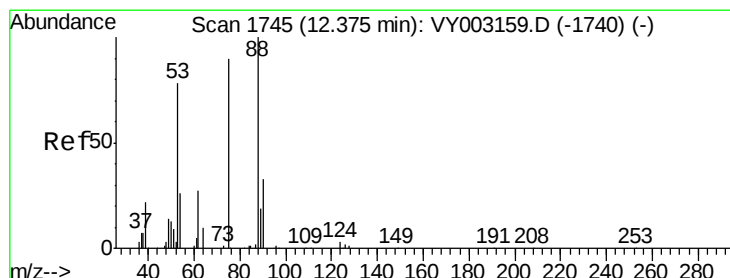
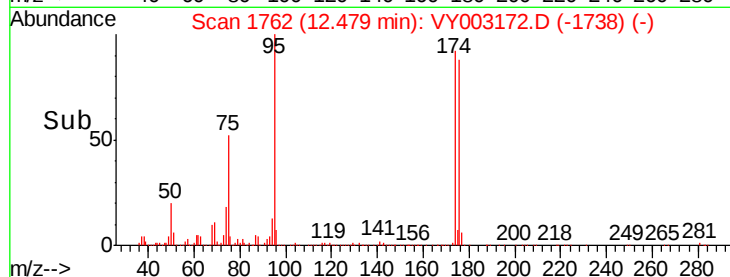
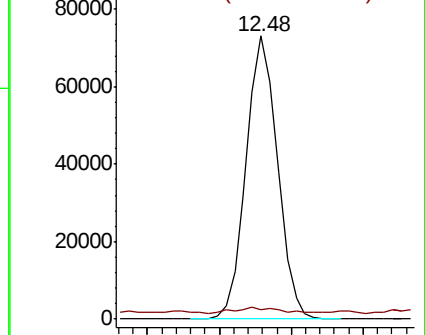
75 100

77 3.0 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: 116.784 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003172.D

Acq: 10 Jul 2020 18:42

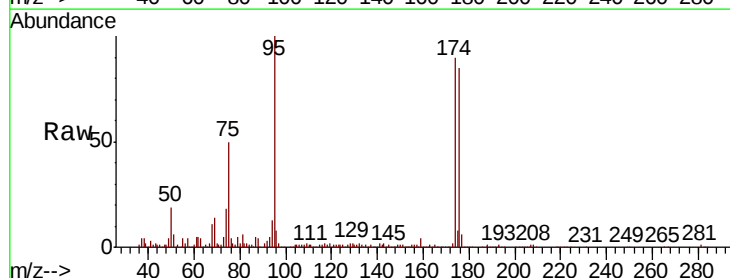
Tgt Ion: 75 Resp: 109702

Ion Ratio Lower Upper

75 100

53 0.4 72.0 108.0#

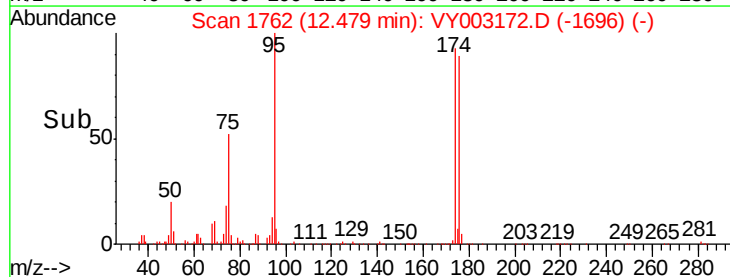
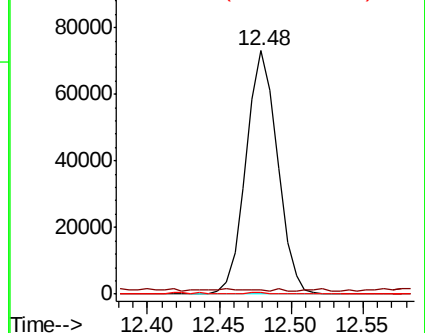
89 0.7 37.3 55.9#

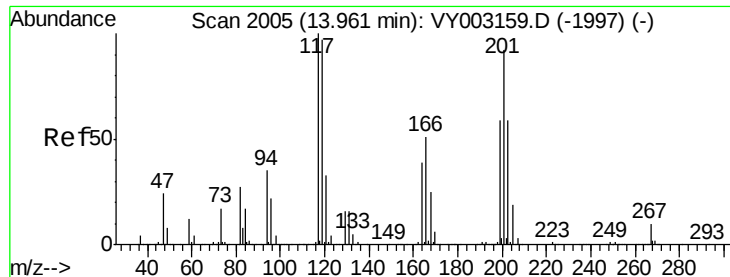


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0





#90

Hexachloroethane

Concen: 2.957 ug/l

RT: 13.92 min Scan# 1999

Delta R.T. -0.04 min

Lab File: VY003172.D

Acq: 10 Jul 2020 18:42

Instrument :

MSVOA_Y

ClientSampleId :

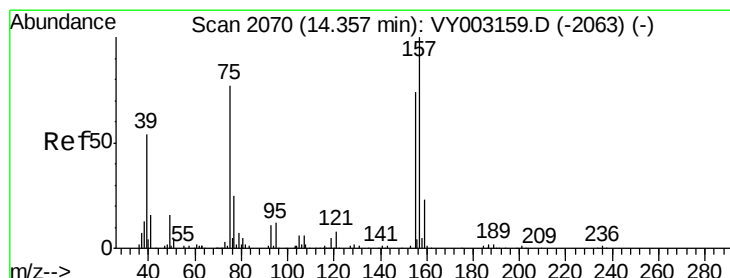
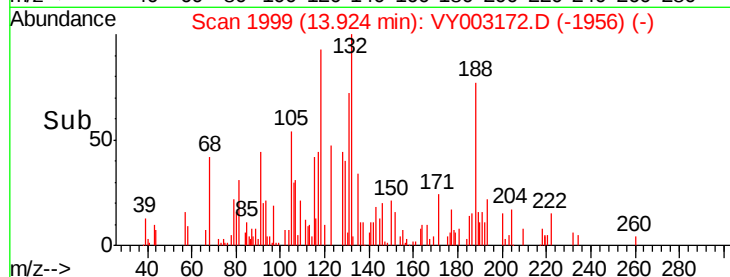
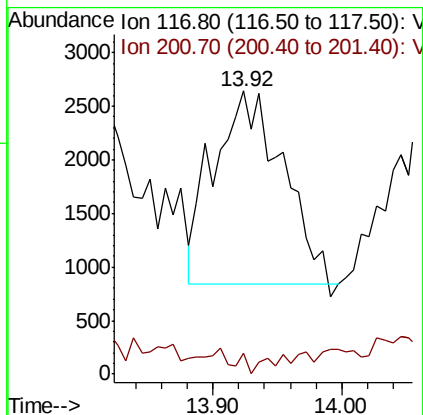
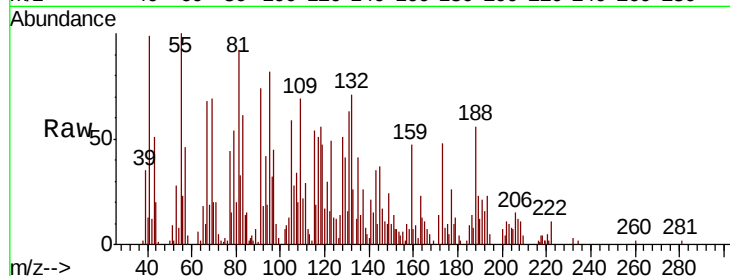
8FT-MH-A

Tot Ion:117 Resp: 6689

Ion Ratio Lower Upper

117 100

201 1.8 45.1 135.3#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.106 ug/l

RT: 14.42 min Scan# 2081

Delta R.T. 0.07 min

Lab File: VY003172.D

Acq: 10 Jul 2020 18:42

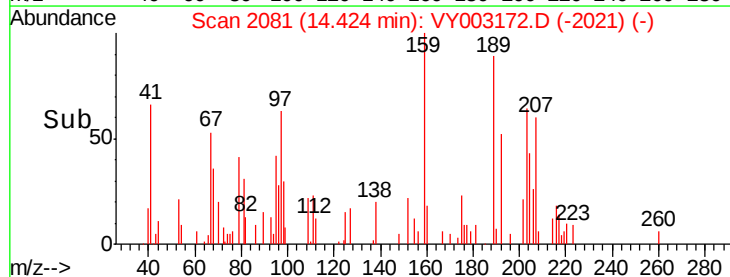
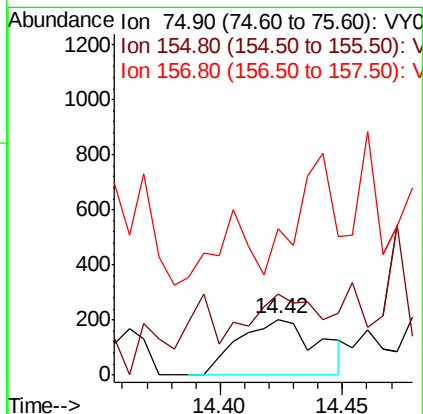
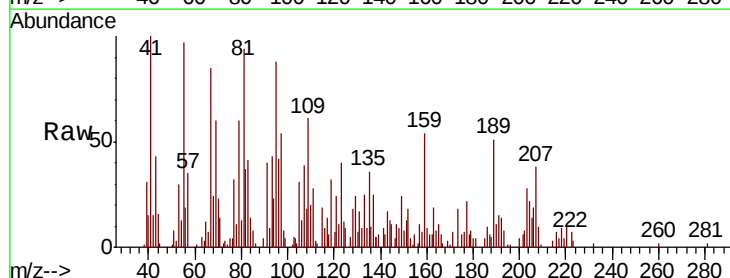
Tgt Ion: 75 Resp: 456

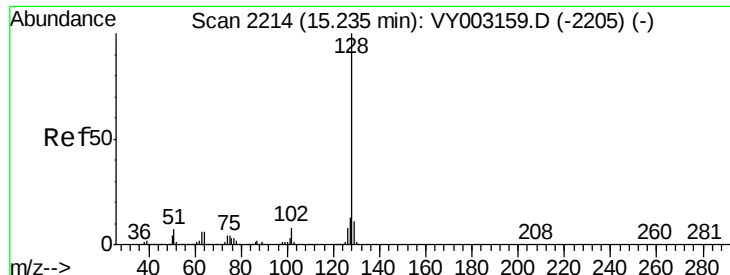
Ion Ratio Lower Upper

75 100

155 85.7 48.1 144.3

157 96.7 61.9 185.6

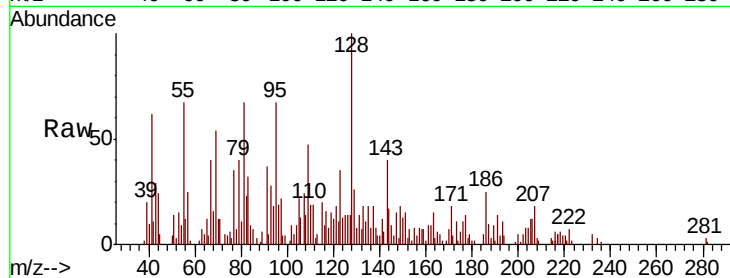




#95
Naphthalene
Concen: 1.052 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY003172.D
Acq: 10 Jul 2020 18:42

Instrument :
MSVOA_Y
ClientSampleId :
8FT-MH-A

Tot Ion	Ratio	Lower	Upper
128	100		
127	16.8	10.9	16.3#
129	13.3	9.0	13.6



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

