

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070220\
 Data File : VY003098.D
 Acq On : 02 Jul 2020 20:21
 Operator : SY/MD
 Sample : L3211-06
 Misc : 9.34G/5ML/MSVOA Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-6 11-11.5

Quant Time: Jul 03 02:40:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 30 04:11:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	305253	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	486124	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	471898	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	252793	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	167880	55.37	ug/l	0.00
Spiked Amount			Recovery	=	110.74%	
35) Dibromofluoromethane	7.72	113	162525	53.59	ug/l	0.00
Spiked Amount			Recovery	=	107.18%	
50) Toluene-d8	10.18	98	585206	51.80	ug/l	0.00
Spiked Amount			Recovery	=	103.60%	
62) 4-Bromofluorobenzene	12.48	95	214137	53.85	ug/l	0.00
Spiked Amount			Recovery	=	107.70%	

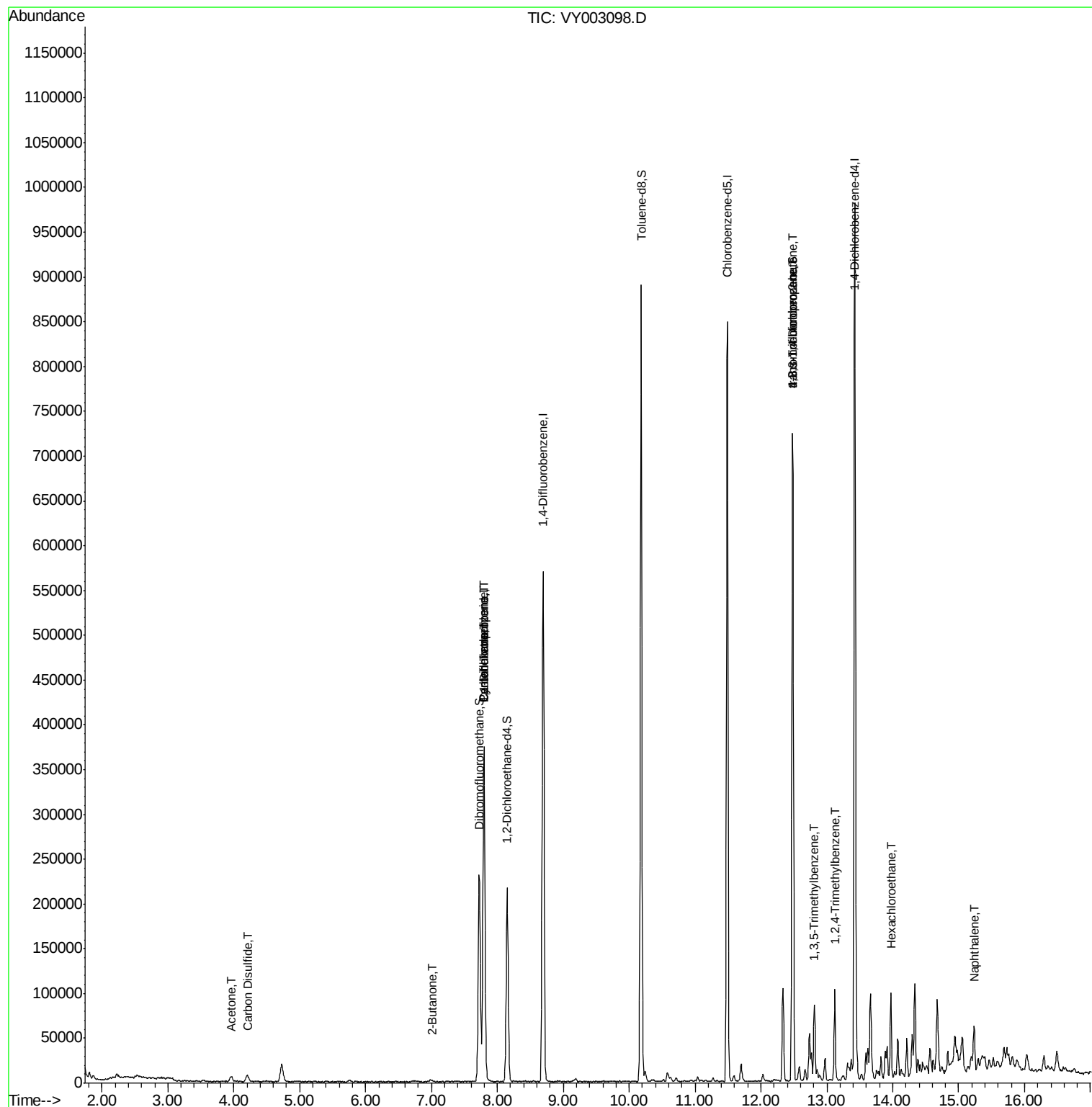
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.96	43	10567	14.778	ug/l	90
17) Carbon Disulfide	4.21	76	12814	1.515	ug/l #	85
20) Methylene Chloride	4.72	84	14419	Below Cal		97
25) 2-Butanone	7.00	43	1672	1.472	ug/l #	82
31) Cyclohexane	7.79	56	5821	1.092	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	20533	4.385	ug/l #	52
38) Carbon Tetrachloride	7.80	117	27190	5.581	ug/l #	16
76) 1,2,3-Trichloropropane	12.48	75	108889	43.523	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.81	105	43225	3.114	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.48	75	108889	84.677	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.12	105	48629	3.476	ug/l	95
90) Hexachloroethane	13.97	117	4118	1.332	ug/l #	4
95) Naphthalene	15.23	128	33741	3.499	ug/l #	95

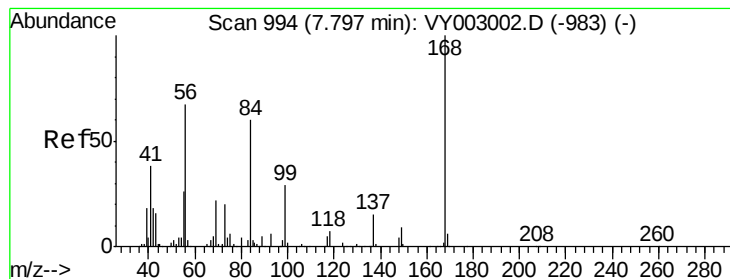
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY003098.D

Acq: 02 Jul 2020 20:21

Instrument :

MSVOA_Y

ClientSampleId :

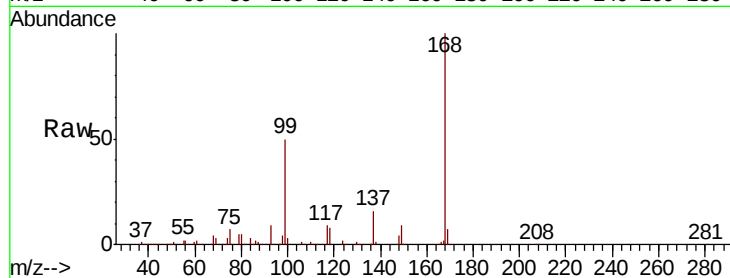
SB-6 11-11.5

Tot Ion:168 Resp: 305253

Ion Ratio Lower Upper

168 100

99 50.1 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY003002.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY003002.D (-983) (-)

7.80

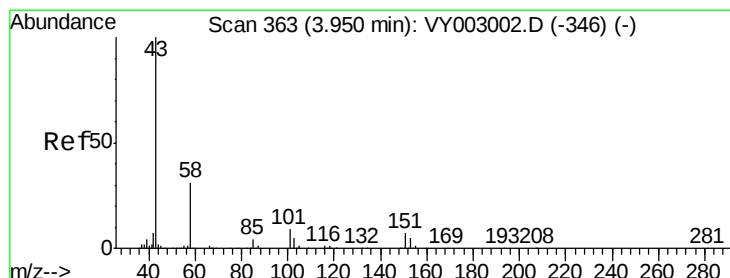
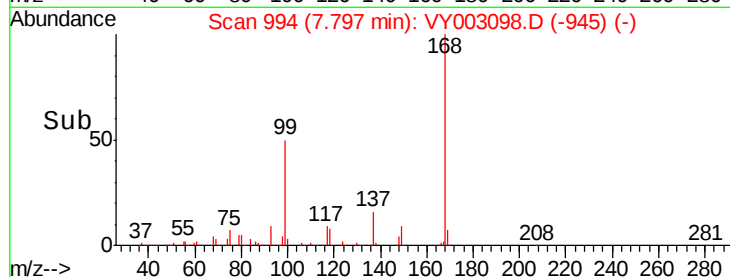
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 14.778 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY003098.D

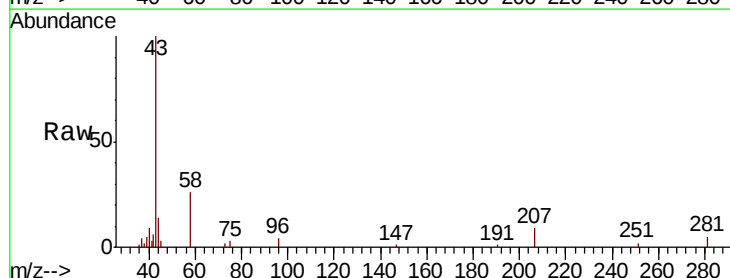
Acq: 02 Jul 2020 20:21

Tgt Ion: 43 Resp: 10567

Ion Ratio Lower Upper

43 100

58 25.6 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VY003002.D (-346) (-)

Ion 58.00 (57.70 to 58.70): VY003002.D (-346) (-)

3.96

4000

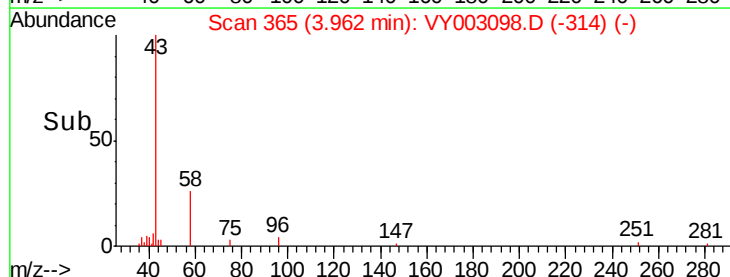
3000

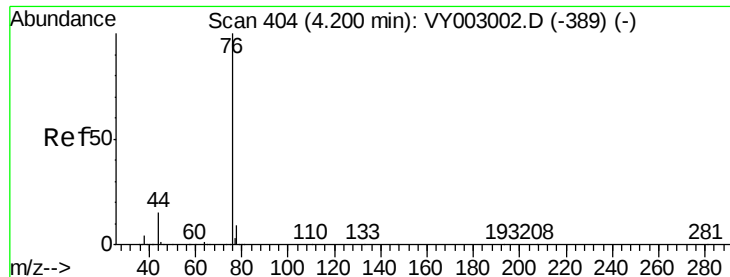
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1000

0

Time-->





#17

Carbon Disulfide

Concen: 1.515 ug/l

RT: 4.21 min Scan# 405

Delta R.T. 0.01 min

Lab File: VY003098.D

Acq: 02 Jul 2020 20:21

Instrument :

MSVOA_Y

ClientSampleId :

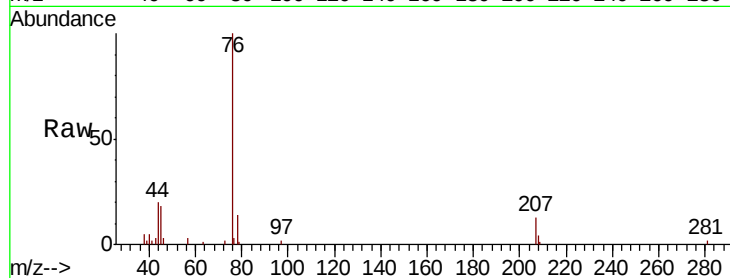
SB-6 11-11.5

Tot Ion: 76 Resp: 12814

Ion Ratio Lower Upper

76 100

78 14.4 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

4.21

5000

4000

3000

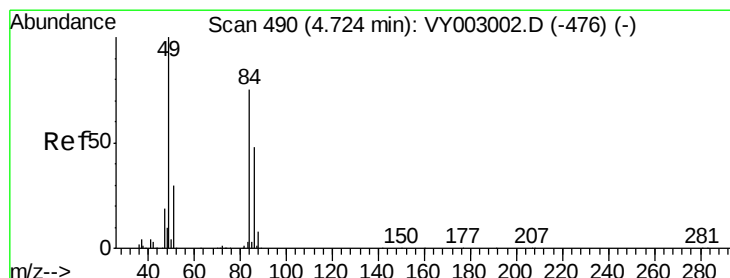
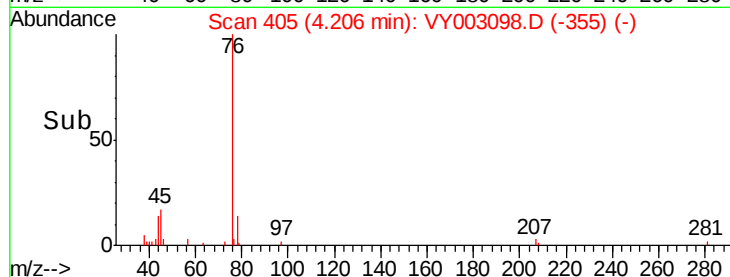
2000

1000

0

Time-->

4.10 4.20 4.30



#20

Methylene Chloride

Concen: Below Cal

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY003098.D

Acq: 02 Jul 2020 20:21

Tgt Ion: 84 Resp: 14419

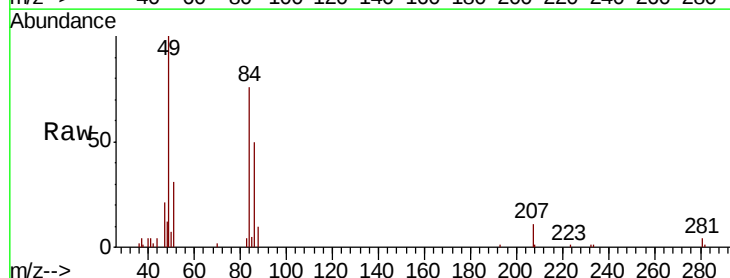
Ion Ratio Lower Upper

84 100

49 130.2 106.8 160.2

51 41.0 32.0 48.0

86 66.4 51.4 77.2



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

8000

6000

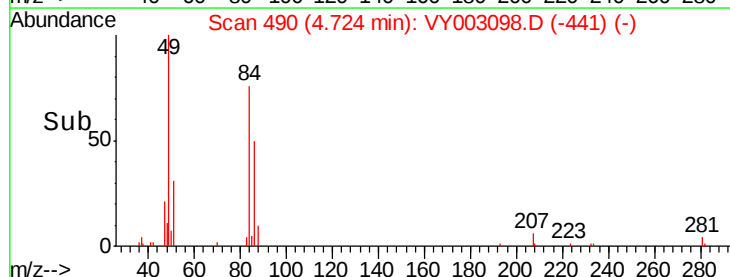
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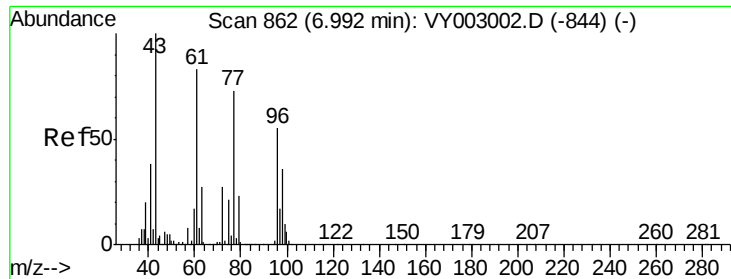
2000

0

Time-->

4.60 4.70 4.80

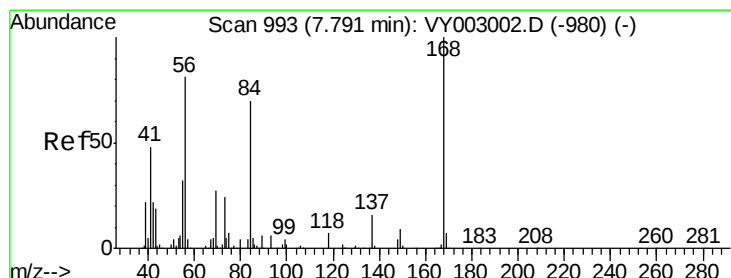
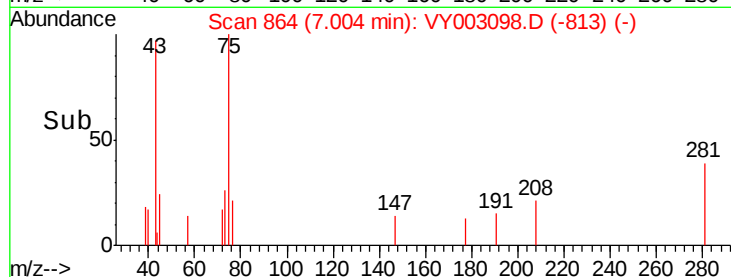
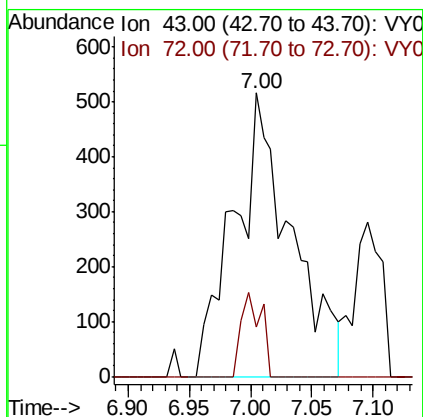
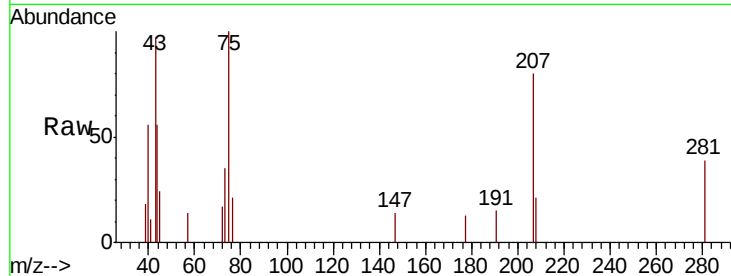




#25
2-Butanone
Concen: 1.472 ug/l
RT: 7.00 min Scan# 864
Delta R.T. 0.01 min
Lab File: VY003098.D
Acq: 02 Jul 2020 20:21

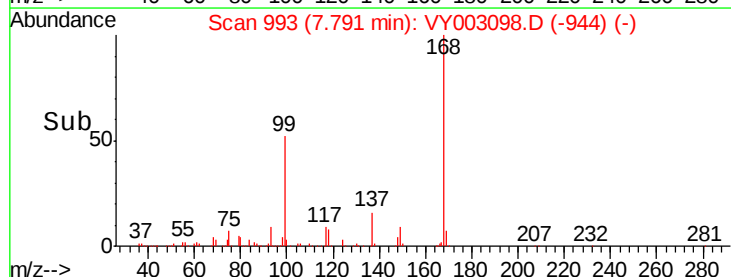
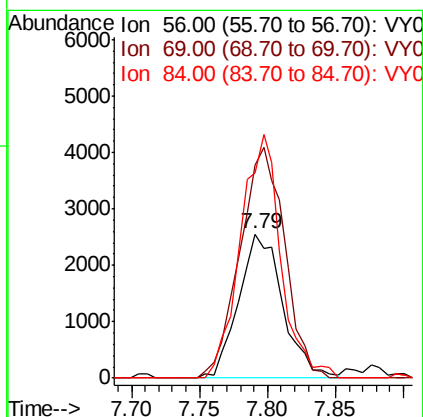
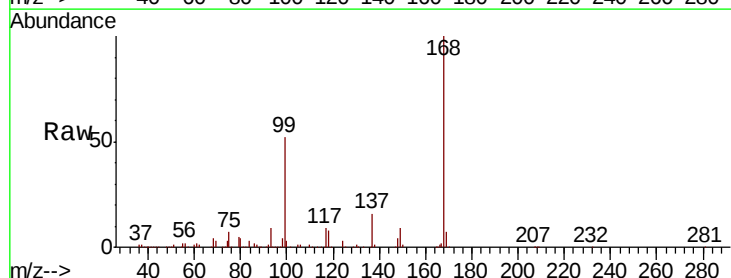
Instrument :
MSVOA_Y
ClientSampleId :
SB-6_11-11.5

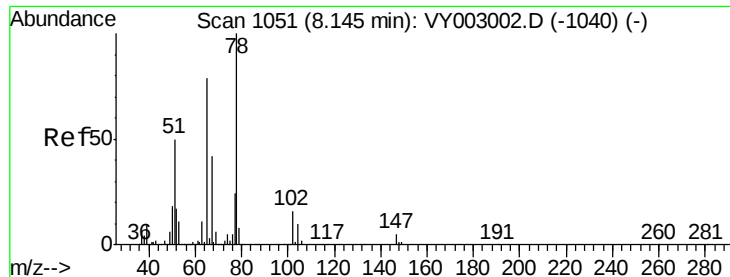
Tot Ion: 43 Resp: 1672
Ion Ratio Lower Upper
43 100
72 17.6 21.4 32.0#



#31
Cyclohexane
Concen: 1.092 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.00 min
Lab File: VY003098.D
Acq: 02 Jul 2020 20:21

Tgt Ion: 56 Resp: 5821
Ion Ratio Lower Upper
56 100
69 147.9 27.0 40.4#
84 142.3 68.1 102.1#

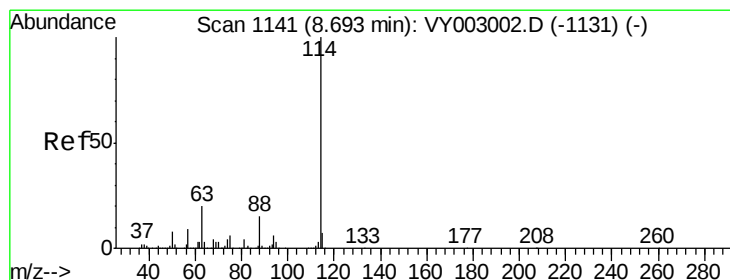
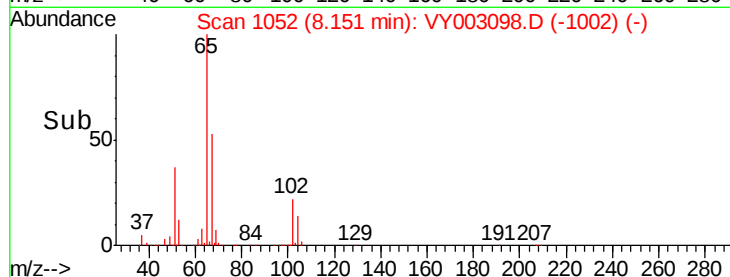
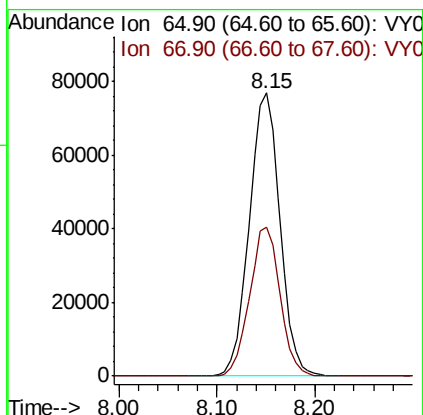
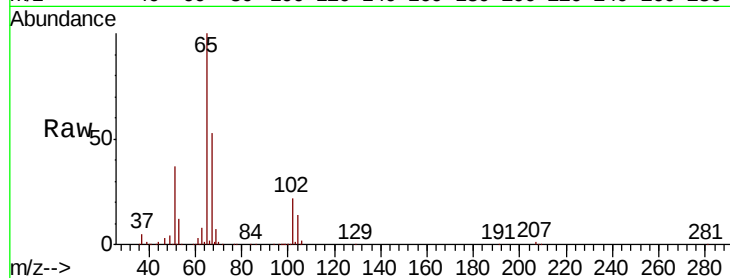




#33
 1,2-Dichloroethane-d4
 Concen: 55.373 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VY003098.D
 Acq: 02 Jul 2020 20:21

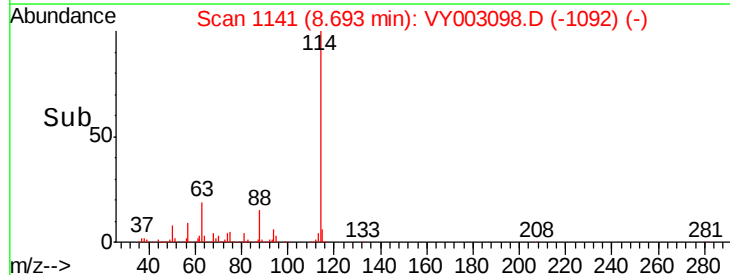
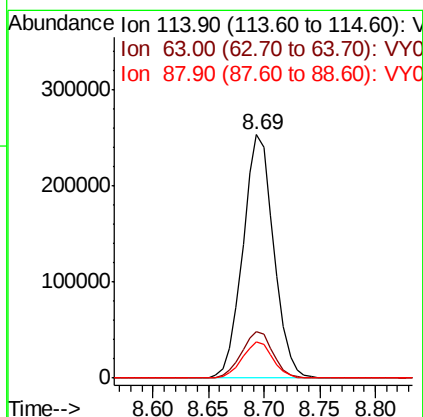
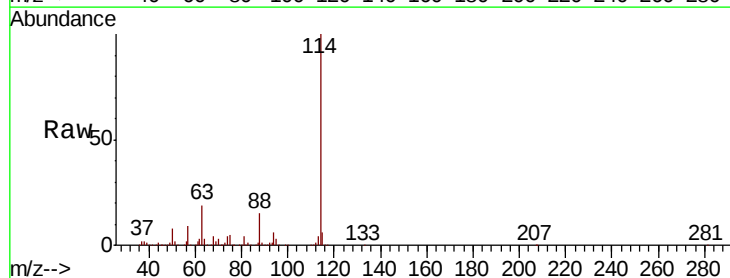
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-6_11-11.5

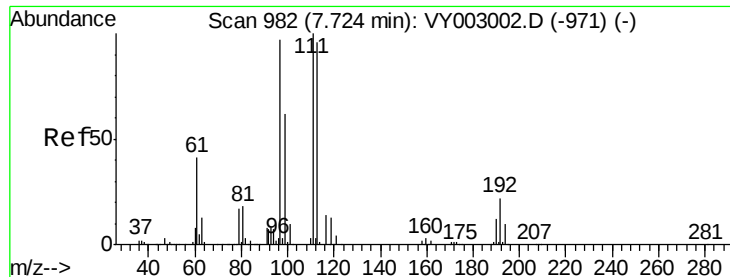
Tot Ion: 65 Resp: 167880
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003098.D
 Acq: 02 Jul 2020 20:21

Tgt Ion: 114 Resp: 486124
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 40.6
 88 15.0 0.0 30.0

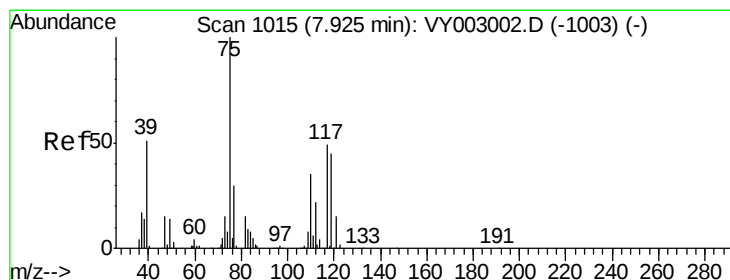
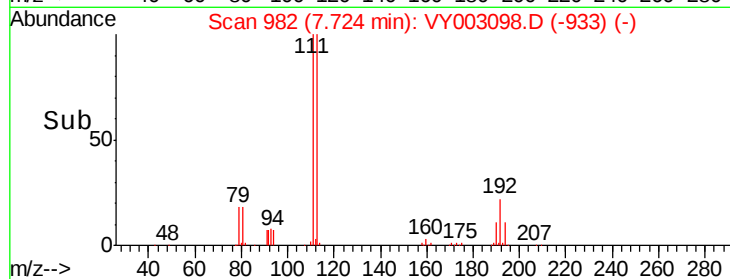
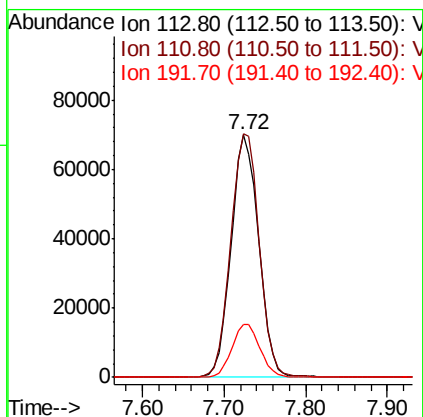
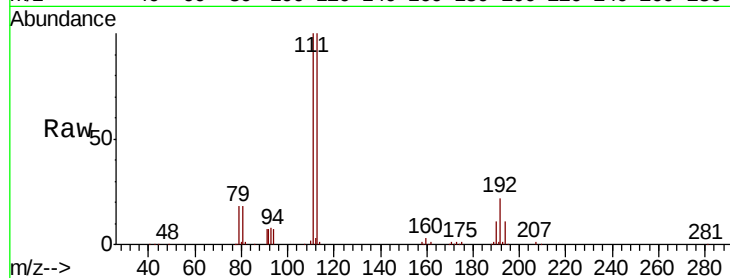




#35
 Dibromofluoromethane
 Concen: 53.594 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VY003098.D
 Acq: 02 Jul 2020 20:21

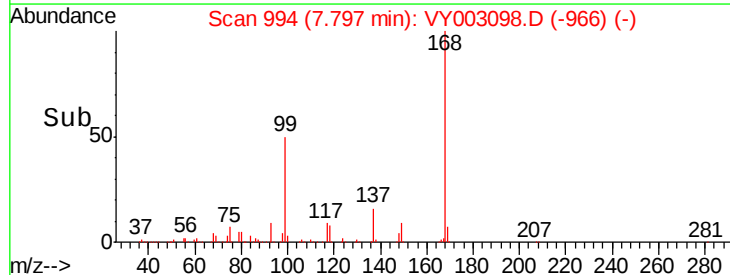
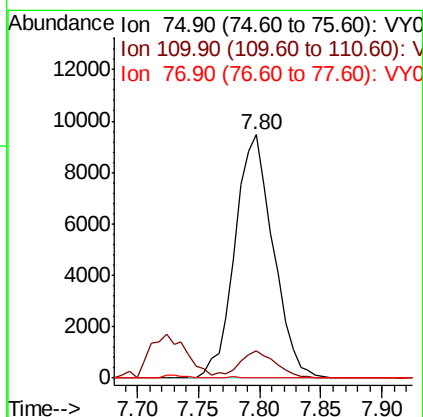
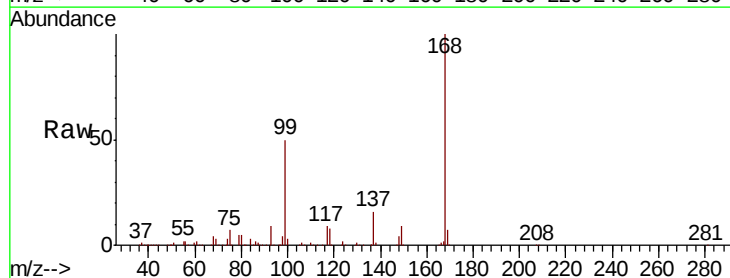
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-6_11-11.5

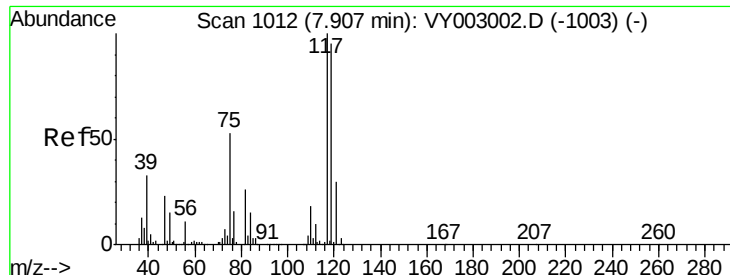
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.6	123.8
192	22.1	18.1	27.1



#36
 1,1-Dichloropropene
 Concen: 4.385 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY003098.D
 Acq: 02 Jul 2020 20:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.3	17.1	51.2#
77	0.2	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 5.581 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003098.D

Acq: 02 Jul 2020 20:21

Instrument :

MSVOA_Y

ClientSampleId :

SB-6 11-11.5

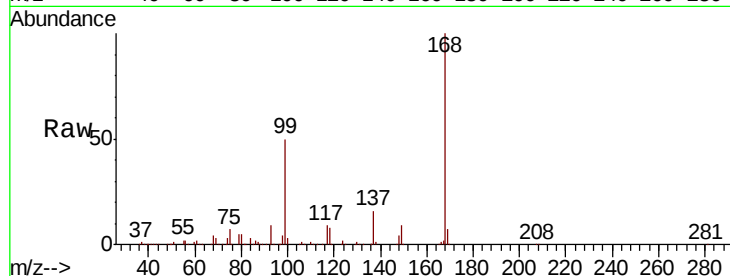
Tot Ion:117 Resp: 27190

Ion Ratio Lower Upper

117 100

119 4.1 75.7 113.5#

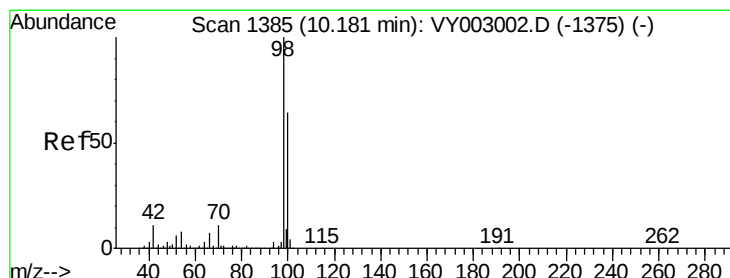
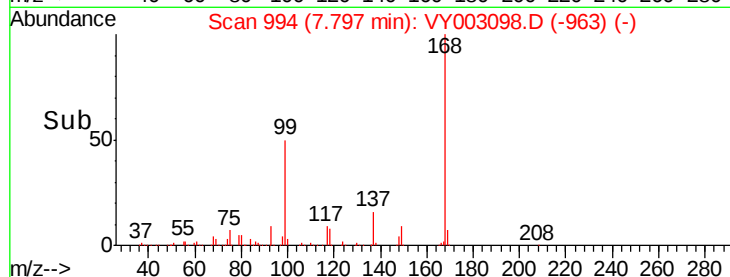
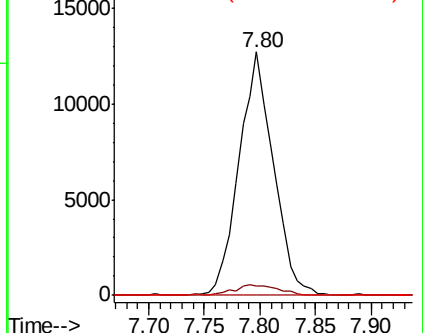
121 0.0 23.9 35.9#



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: 51.800 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003098.D

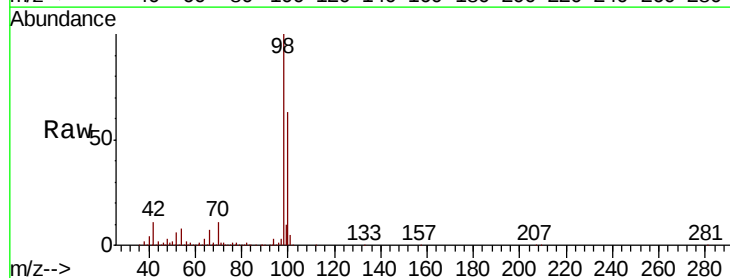
Acq: 02 Jul 2020 20:21

Tgt Ion: 98 Resp: 585206

Ion Ratio Lower Upper

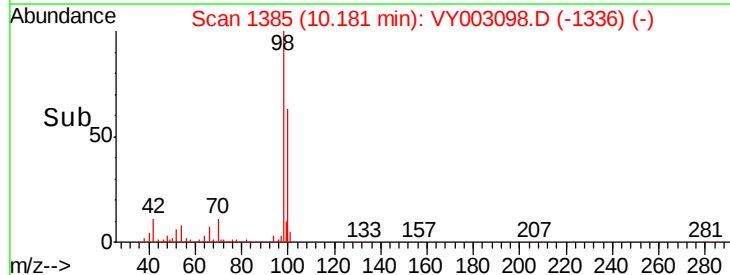
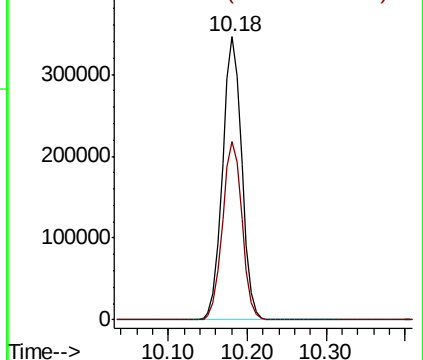
98 100

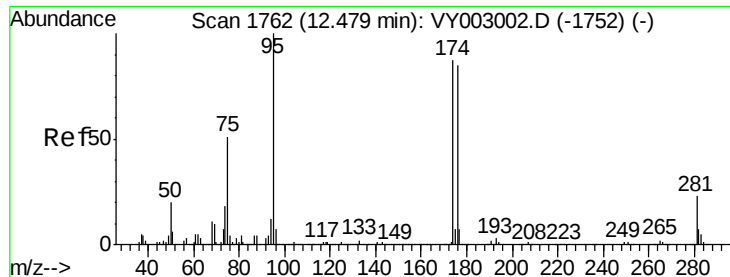
100 63.9 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#62

4-Bromofluorobenzene

Concen: 53.847 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003098.D

Acq: 02 Jul 2020 20:21

Instrument :

MSVOA_Y

ClientSampleId :

SB-6_11-11.5

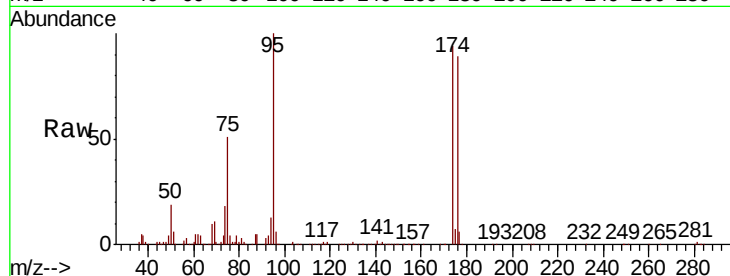
Tot Ion: 95 Resp: 214137

Ion Ratio Lower Upper

95 100

174 95.4 0.0 184.8

176 92.0 0.0 183.0



Abundance Ion 94.90 (94.60 to 95.60): VY003002.D (-1752) (-)

Ion 173.80 (173.50 to 174.50): VY003002.D (-1752) (-)

Ion 175.80 (175.50 to 176.50): VY003002.D (-1752) (-)

12.48

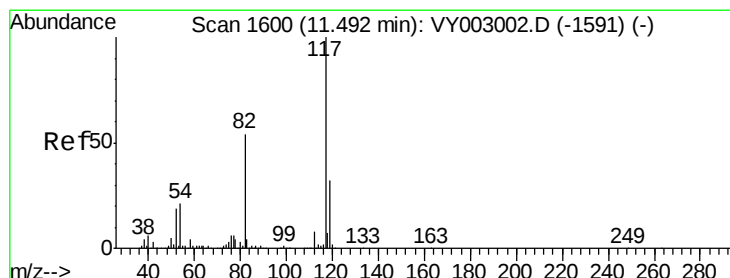
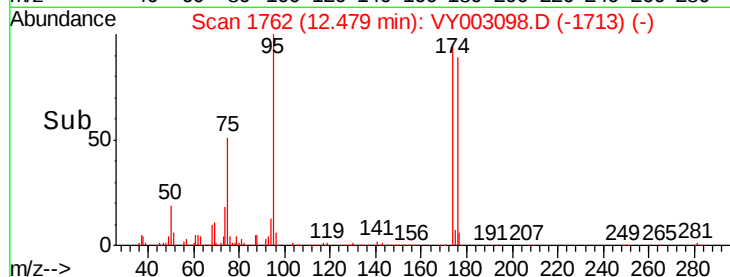
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VY003098.D

Acq: 02 Jul 2020 20:21

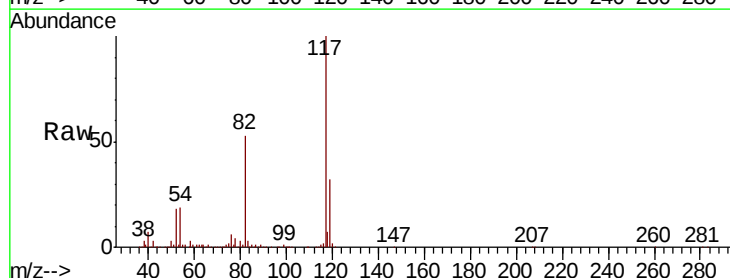
Tgt Ion: 117 Resp: 471898

Ion Ratio Lower Upper

117 100

82 53.2 43.0 64.6

119 31.6 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): VY003002.D (-1591) (-)

Ion 82.00 (81.70 to 82.70): VY003002.D (-1591) (-)

Ion 118.90 (118.60 to 119.60): VY003002.D (-1591) (-)

11.49

400000

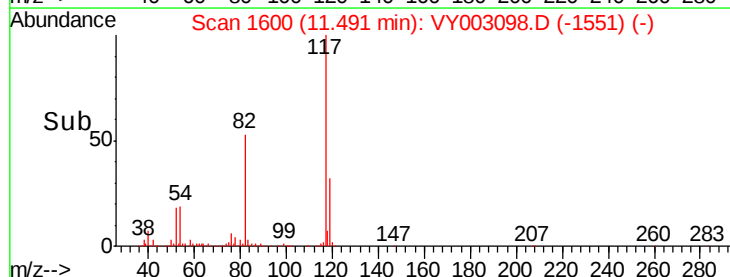
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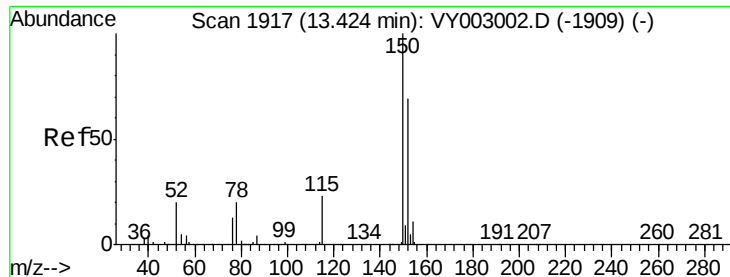
200000

100000

0

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY003098.D

Acq: 02 Jul 2020 20:21

Instrument :

MSVOA_Y

ClientSampleId :

SB-6_11-11.5

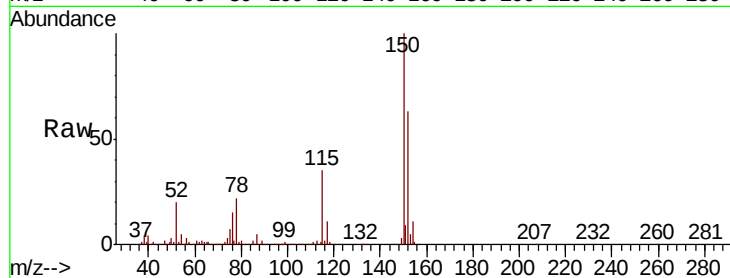
Tot Ion:152 Resp: 252793

Ion Ratio Lower Upper

152 100

115 54.3 27.3 81.9

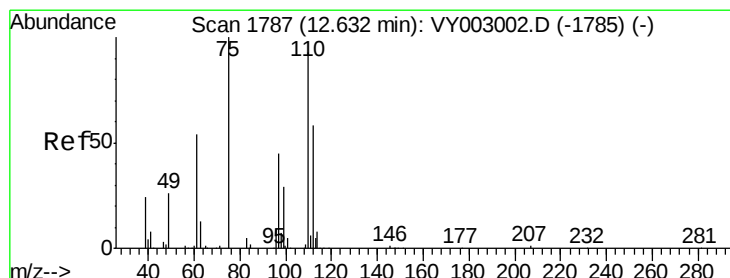
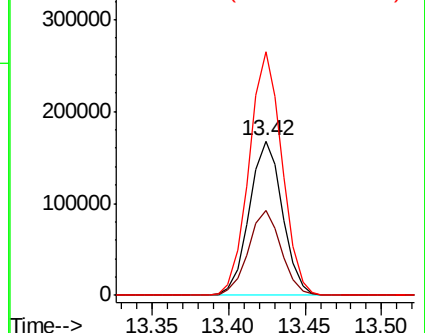
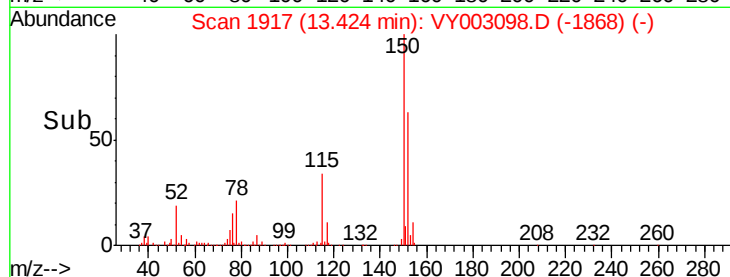
150 156.6 0.0 343.4



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: 43.523 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003098.D

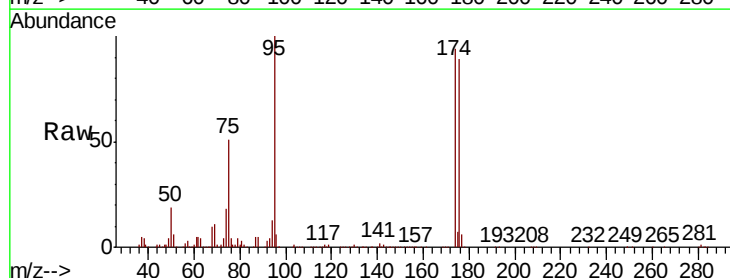
Acq: 02 Jul 2020 20:21

Tgt Ion: 75 Resp: 108889

Ion Ratio Lower Upper

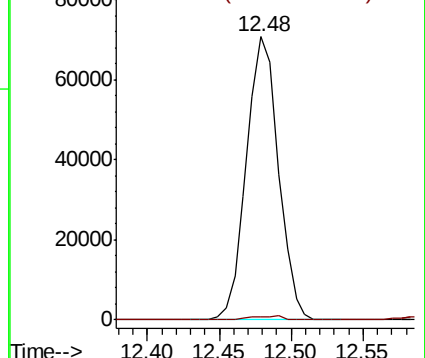
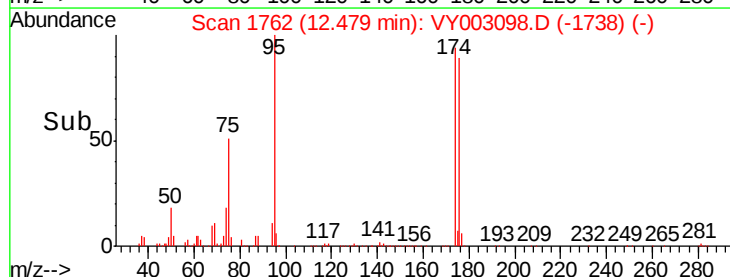
75 100

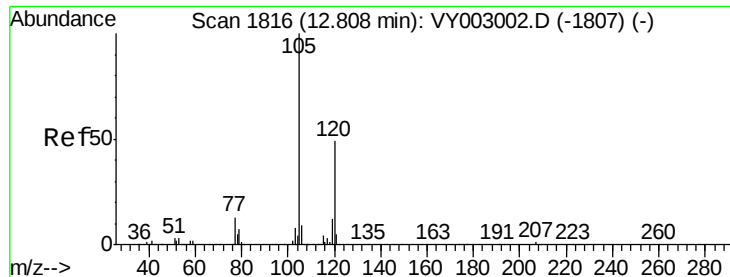
77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#80

1,3,5-Trimethylbenzene

Concen: 3.114 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. 0.01 min

Lab File: VY003098.D

Acq: 02 Jul 2020 20:21

Instrument :

MSVOA_Y

ClientSampleId :

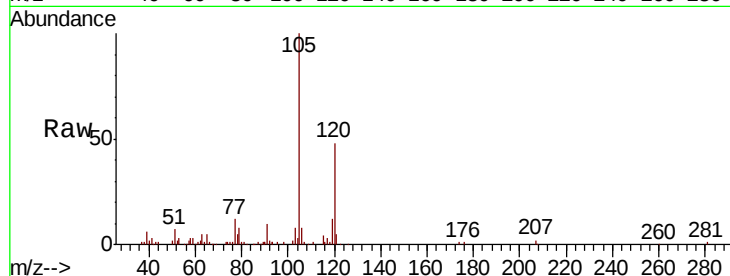
SB-6_11-11.5

Tot Ion:105 Resp: 43225

Ion Ratio Lower Upper

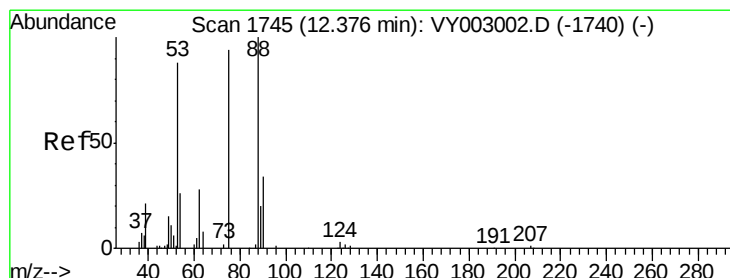
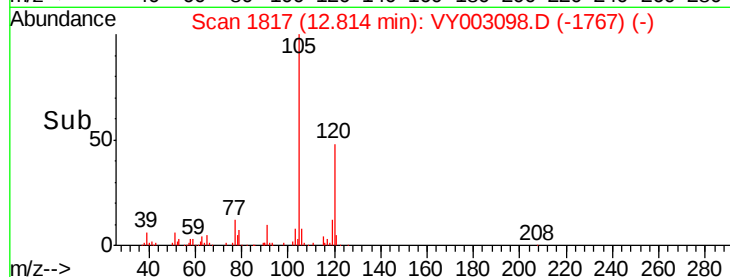
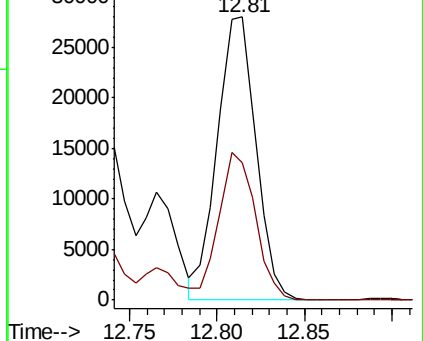
105 100

120 49.6 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 84.677 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003098.D

Acq: 02 Jul 2020 20:21

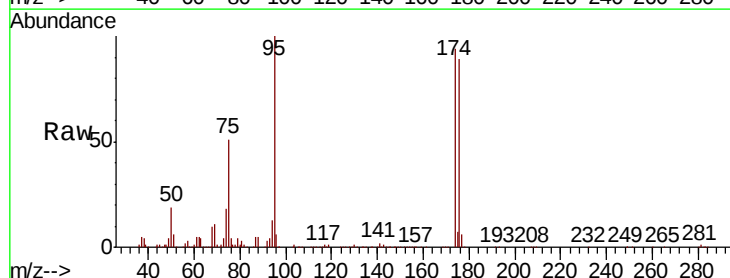
Tgt Ion: 75 Resp: 108889

Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

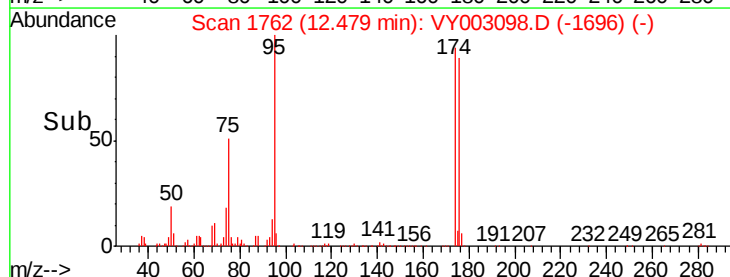
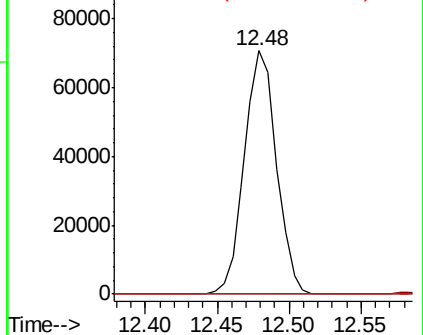
89 0.0 37.5 56.3#

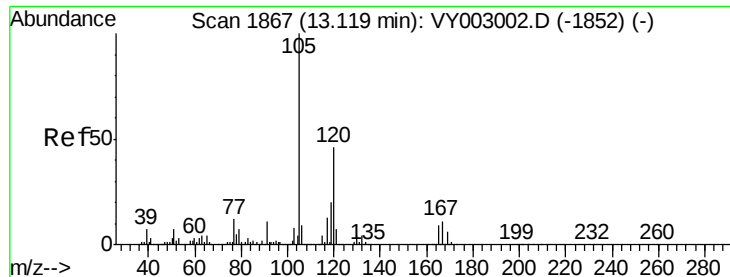


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

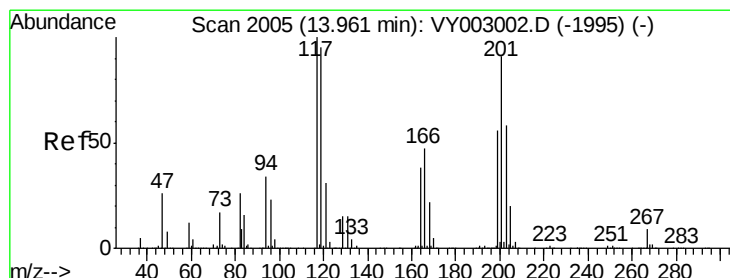
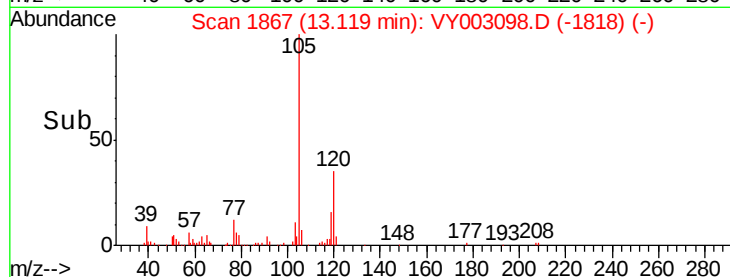
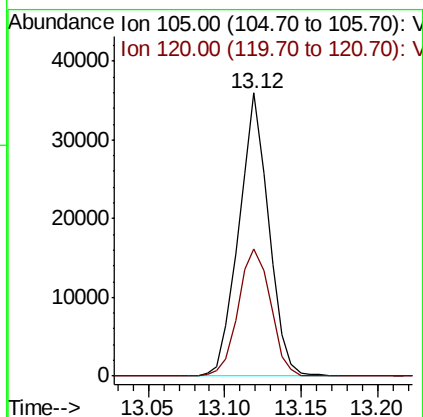
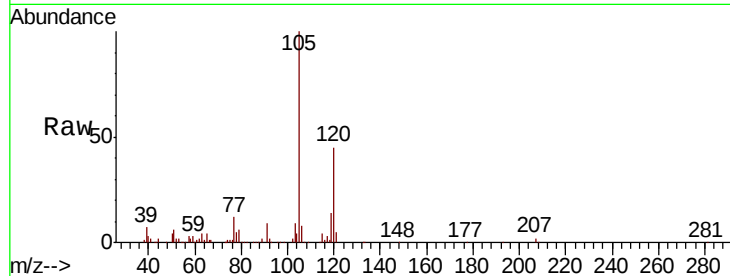




#84
1,2,4-Trimethylbenzene
Concen: 3.476 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VY003098.D
Acq: 02 Jul 2020 20:21

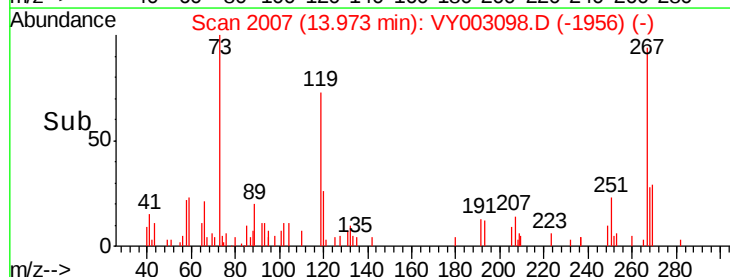
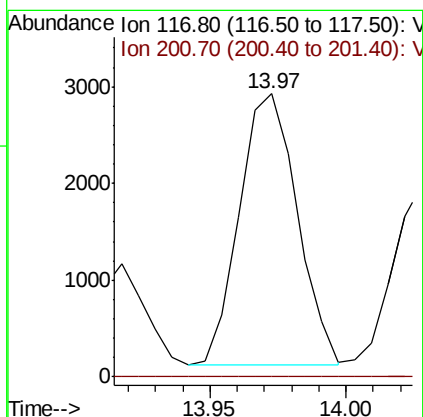
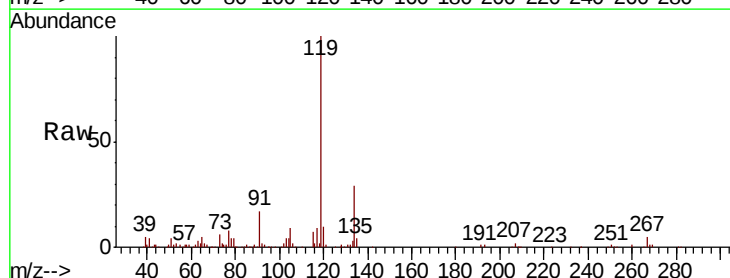
Instrument :
MSVOA_Y
ClientSampleId :
SB-6 11-11.5

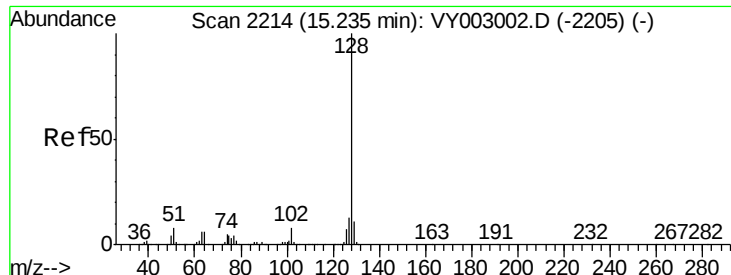
Tot Ion:105 Resp: 48629
Ion Ratio Lower Upper
105 100
120 48.5 22.6 67.8



#90
Hexachloroethane
Concen: 1.332 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.01 min
Lab File: VY003098.D
Acq: 02 Jul 2020 20:21

Tgt Ion:117 Resp: 4118
Ion Ratio Lower Upper
117 100
201 0.0 45.5 136.4#

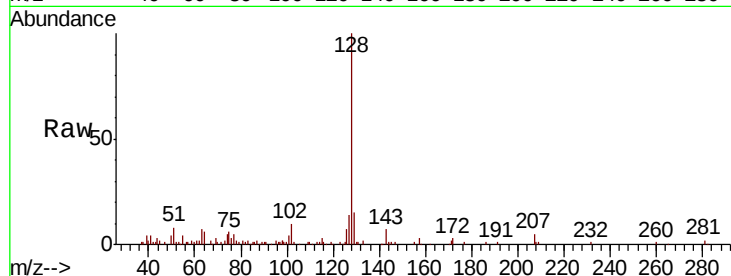




#95
Naphthalene
Concen: 3.499 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY003098.D
Acq: 02 Jul 2020 20:21

Instrument :
MSVOA_Y
ClientSampleId :
SB-6_11-11.5

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.8	10.8	16.2
129	13.9	8.8	13.2



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

