

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070220\
 Data File : VY003093.D
 Acq On : 02 Jul 2020 18:22
 Operator : SY/MD
 Sample : L3211-01
 Misc : 7.60G/5ML/MSVOA Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-1 11-11.5

Quant Time: Jul 03 02:39:19 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	309448	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	506162	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	479850	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	235421	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	170537	55.49	ug/l	0.00
Spiked Amount			Recovery	=	110.98%	
35) Dibromofluoromethane	7.72	113	160912	50.96	ug/l	0.00
Spiked Amount			Recovery	=	101.92%	
50) Toluene-d8	10.18	98	597832	50.82	ug/l	0.00
Spiked Amount			Recovery	=	101.64%	
62) 4-Bromofluorobenzene	12.48	95	212243	51.26	ug/l	0.00
Spiked Amount			Recovery	=	102.52%	

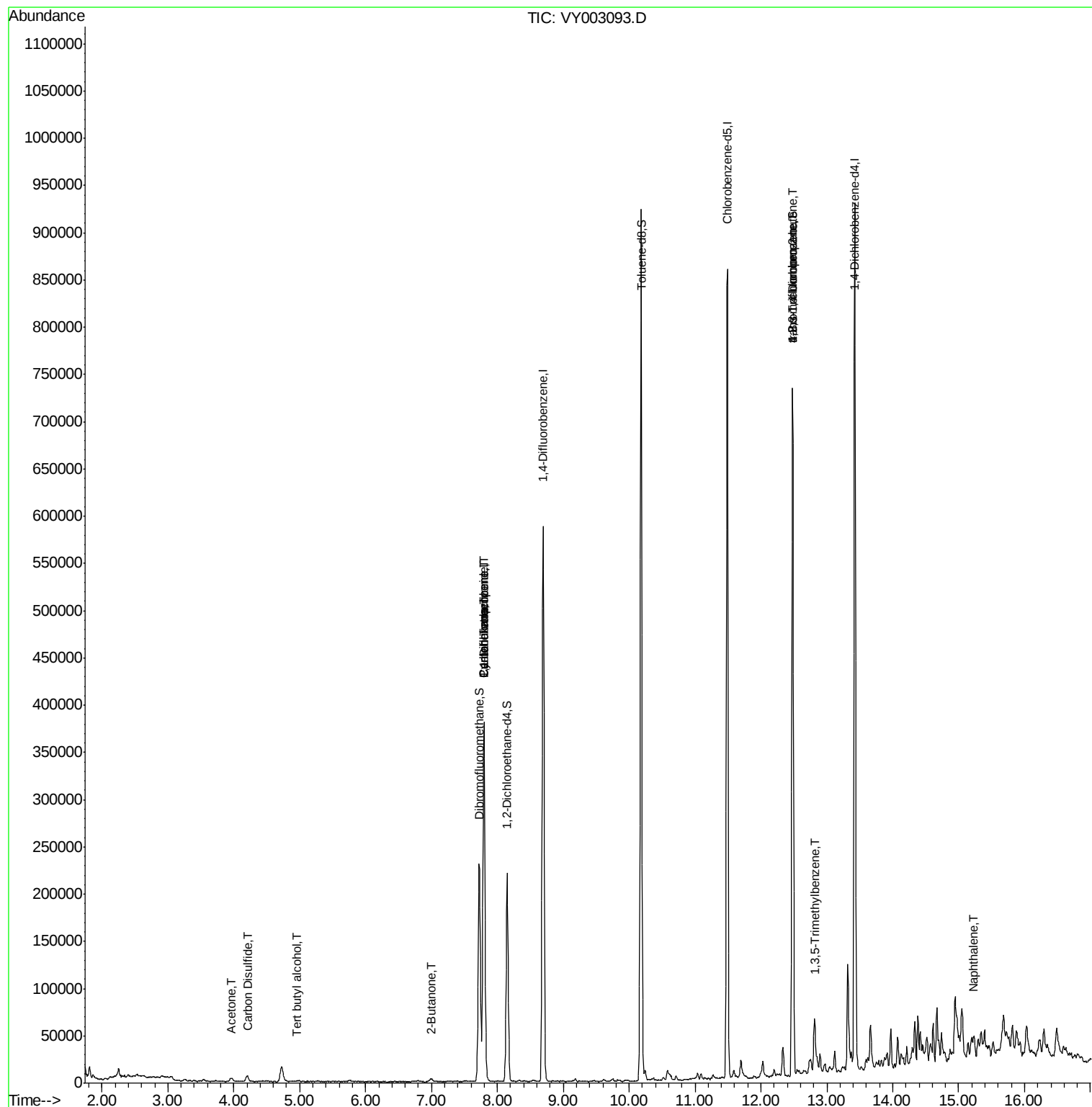
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.96	59	662	2.114	ug/l #	85
16) Acetone	3.96	43	6756	9.320	ug/l	96
17) Carbon Disulfide	4.21	76	12367	1.442	ug/l	99
20) Methylene Chloride	4.73	84	12583	Below Cal		92
25) 2-Butanone	7.00	43	1213	1.053	ug/l #	87
31) Cyclohexane	7.80	56	6009	1.112	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	21043	4.316	ug/l #	51
38) Carbon Tetrachloride	7.80	117	27408	5.403	ug/l #	17
76) 1,2,3-Trichloropropane	12.48	75	108766	46.682	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.81	105	25071	1.939	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.48	75	108766	90.823	ug/l #	13
95) Naphthalene	15.23	128	10353	1.153	ug/l #	85

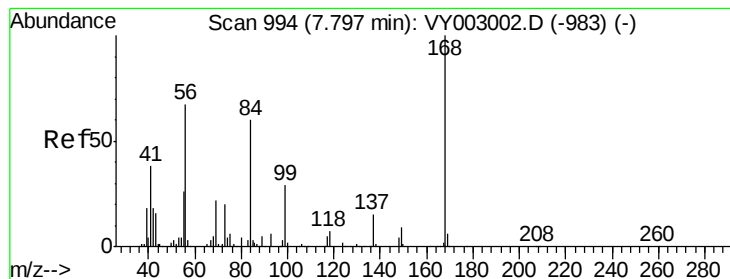
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SB-1_11-11.5

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 30 04:11:35 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY003093.D

Acq: 02 Jul 2020 18:22

Instrument :

MSVOA_Y

ClientSampleId :

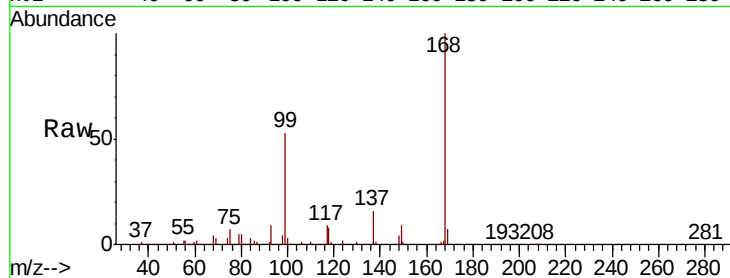
SB-1_11-11.5

Tot Ion:168 Resp: 309448

Ion Ratio Lower Upper

168 100

99 52.7 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY003093.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003093.D (-945) (-)

7.80

150000

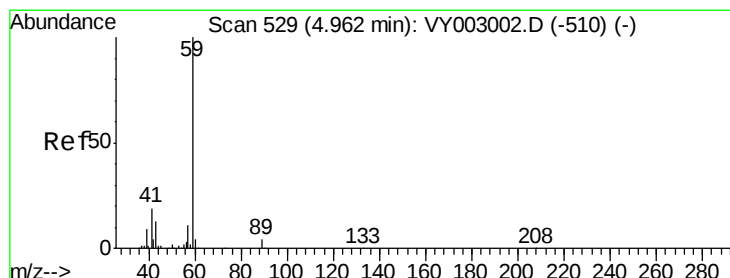
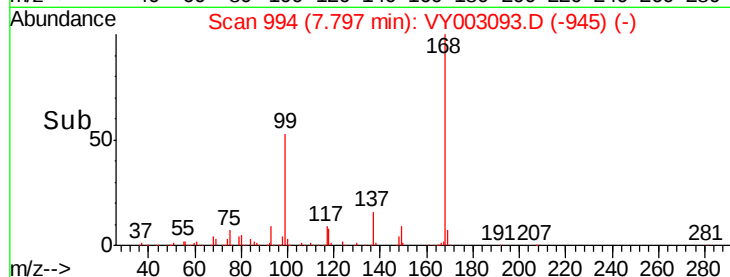
100000

50000

0

7.70 7.80 7.90

Time-->



#11

Tert butyl alcohol

Concen: 2.114 ug/l

RT: 4.96 min Scan# 529

Delta R.T. -0.00 min

Lab File: VY003093.D

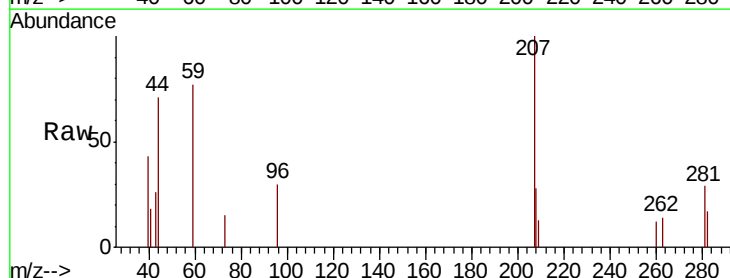
Acq: 02 Jul 2020 18:22

Tgt Ion: 59 Resp: 662

Ion Ratio Lower Upper

59 100

57 4.4 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VY003093.D (-480) (-)

Ion 57.00 (56.70 to 57.70): VY003093.D (-480) (-)

4.96

400

300

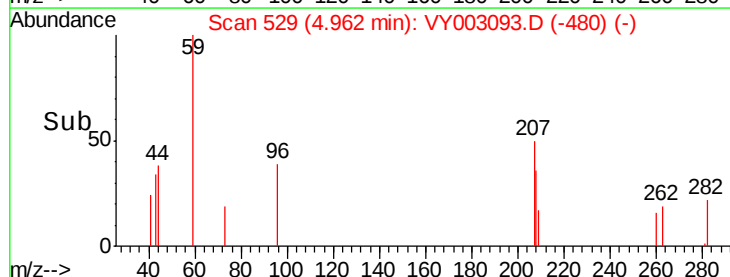
200

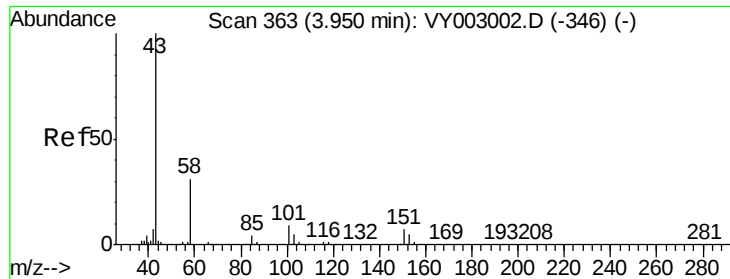
100

0

4.90 4.92 4.94 4.96 4.98

Time-->





#16

Acetone

Concen: 9.320 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY003093.D

Acq: 02 Jul 2020 18:22

Instrument :

MSVOA_Y

ClientSampleId :

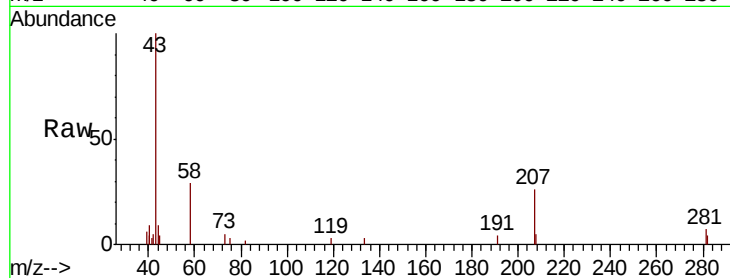
SB-1 11-11.5

Tot Ion: 43 Resp: 6756

Ion Ratio Lower Upper

43 100

58 29.0 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.96

2500

2000

1500

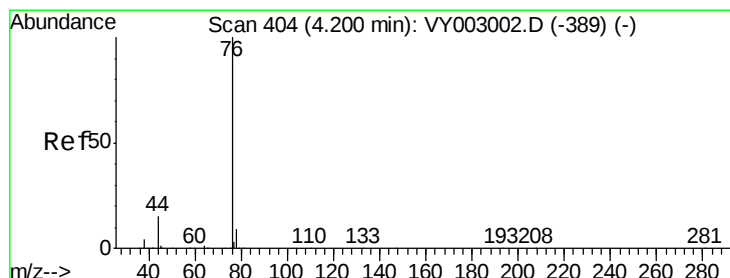
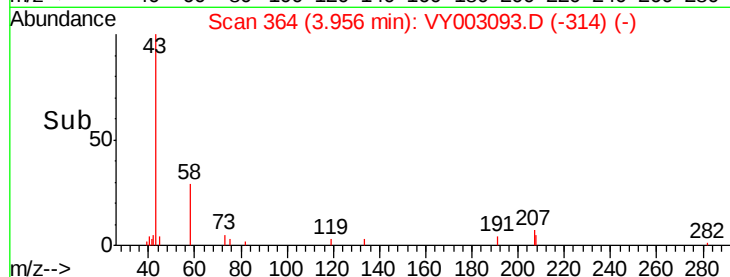
1000

500

0

3.90 4.00 4.10

Time-->



#17

Carbon Disulfide

Concen: 1.442 ug/l

RT: 4.21 min Scan# 405

Delta R.T. 0.01 min

Lab File: VY003093.D

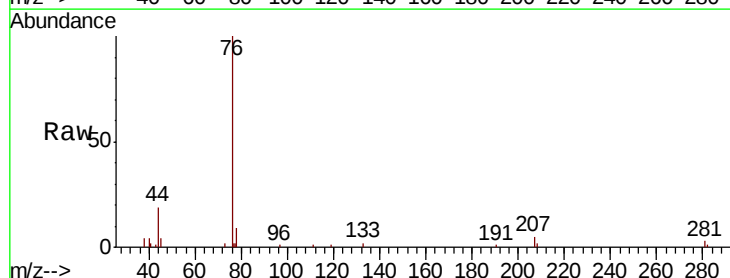
Acq: 02 Jul 2020 18:22

Tgt Ion: 76 Resp: 12367

Ion Ratio Lower Upper

76 100

78 8.6 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

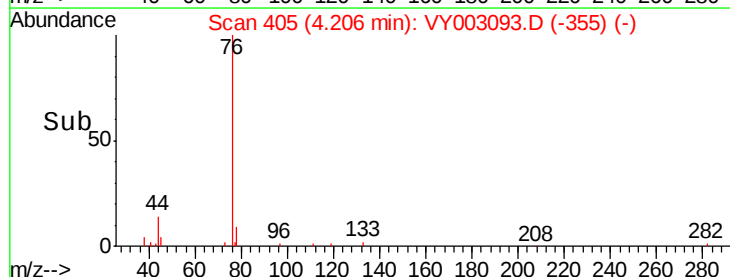
2000

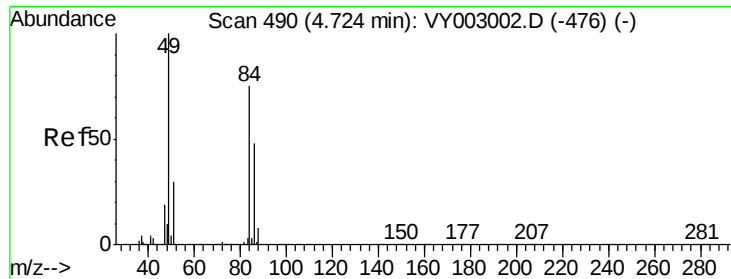
1000

0

4.10 4.20 4.30

Time-->

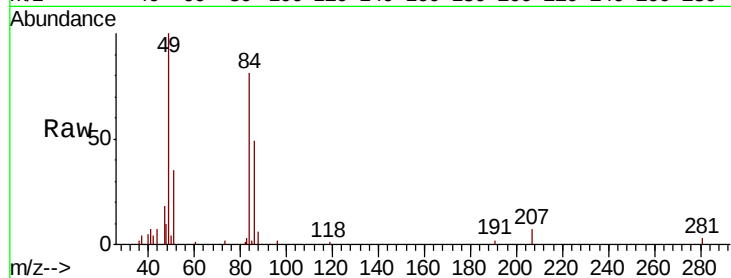




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY003093.D
Acq: 02 Jul 2020 18:22

Instrument :
MSVOA_Y
ClientSampleId :
SB-1_11-11.5

Tot Ion	84	Resp	12583
Ion	Ratio	Lower	Upper
84	100		
49	122.8	106.8	160.2
51	43.4	32.0	48.0
86	59.7	51.4	77.2



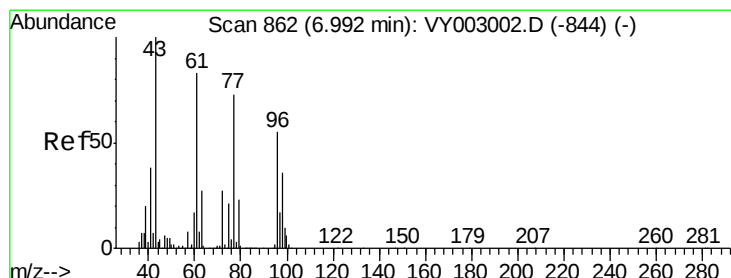
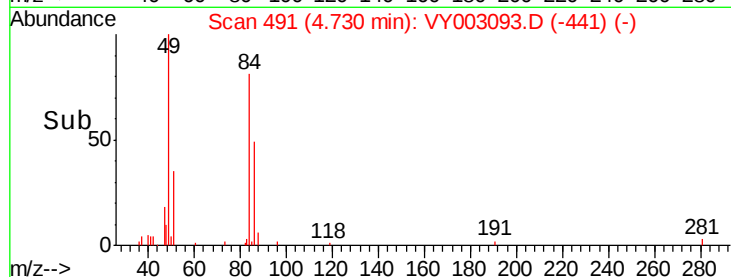
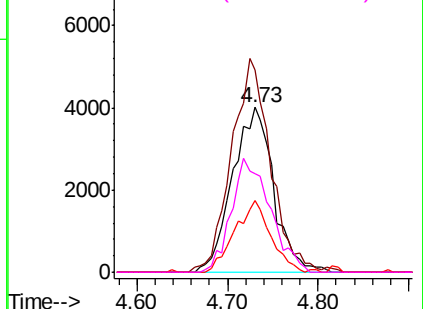
Abundance

Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

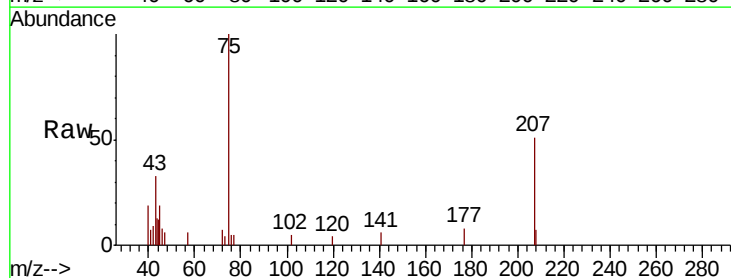
Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0



#25
2-Butanone
Concen: 1.053 ug/l
RT: 7.00 min Scan# 864
Delta R.T. 0.01 min
Lab File: VY003093.D
Acq: 02 Jul 2020 18:22

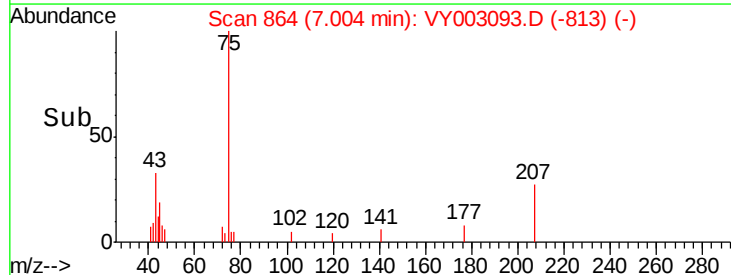
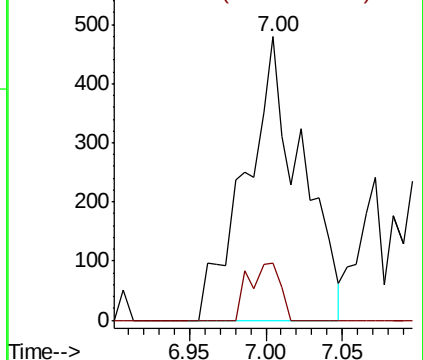
Tgt Ion	43	Resp	1213
Ion	Ratio	Lower	Upper
43	100		
72	20.3	21.4	32.0#

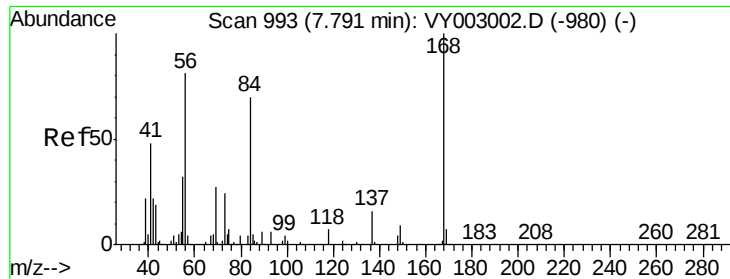


Abundance

Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

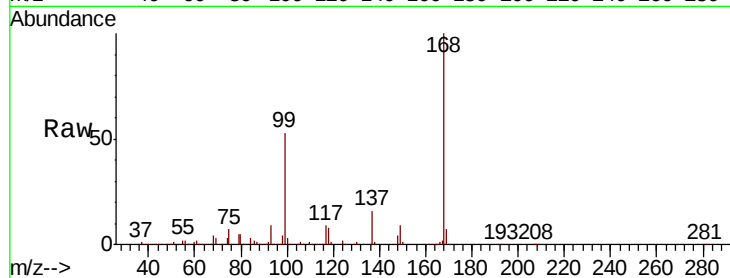




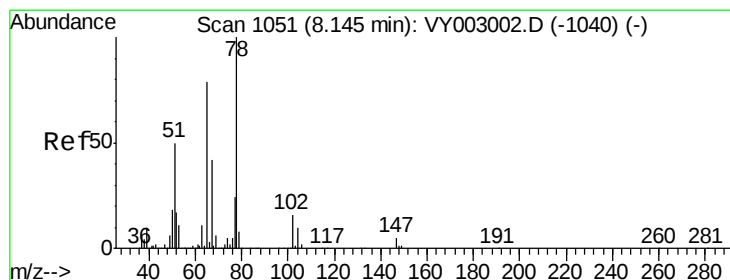
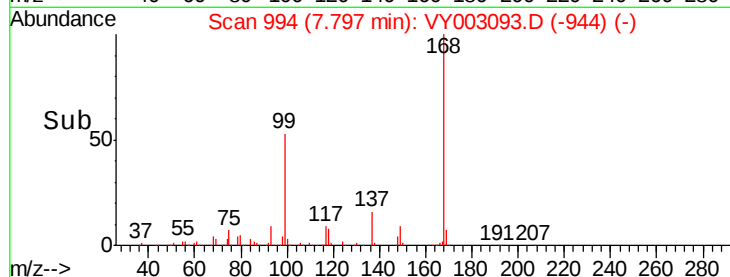
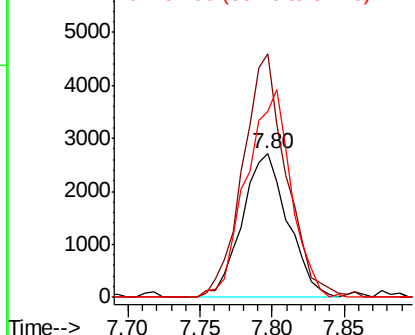
#31
Cyclohexane
Concen: 1.112 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY003093.D
Acq: 02 Jul 2020 18:22

Instrument :
MSVOA_Y
ClientSampleId :
SB-1_11-11.5

Tot Ion: 56 Resp: 6009
Ion Ratio Lower Upper
56 100
69 169.6 27.0 40.4#
84 129.7 68.1 102.1#

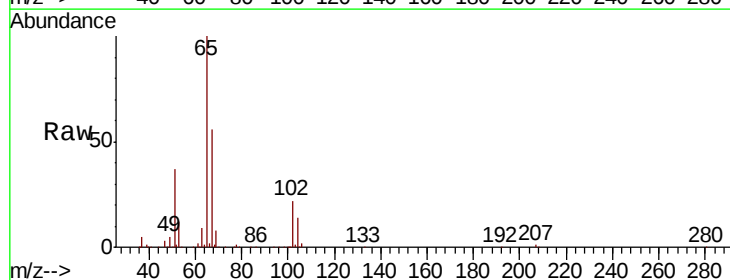


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

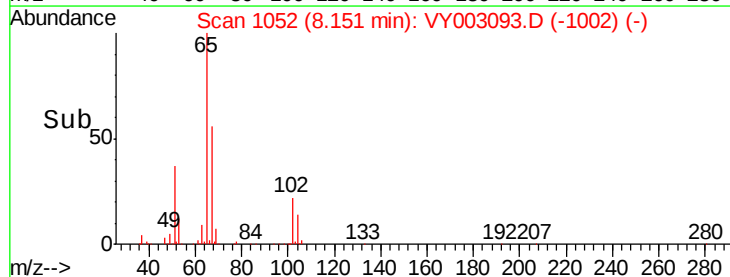
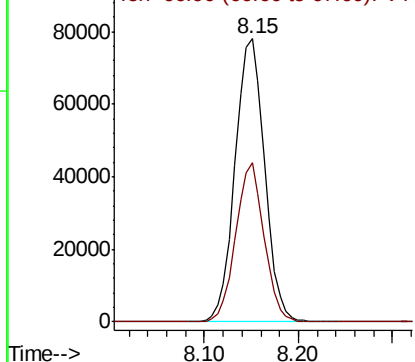


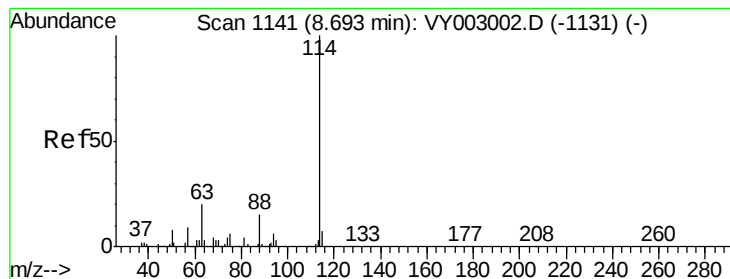
#33
1,2-Dichloroethane-d4
Concen: 55.487 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VY003093.D
Acq: 02 Jul 2020 18:22

Tgt Ion: 65 Resp: 170537
Ion Ratio Lower Upper
65 100
67 53.9 0.0 105.6



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: VY003093.D

Acq: 02 Jul 2020 18:22

Instrument :

MSVOA_Y

ClientSampleId :

SB-1_11-11.5

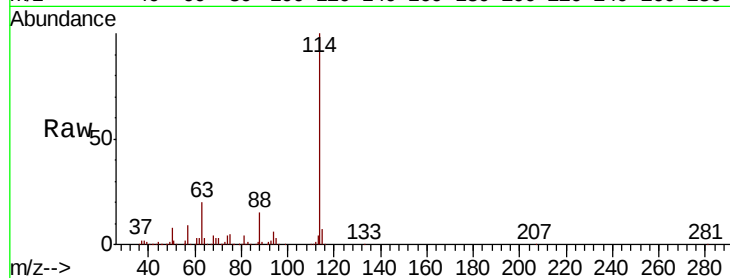
Tot Ion:114 Resp: 506162

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.6

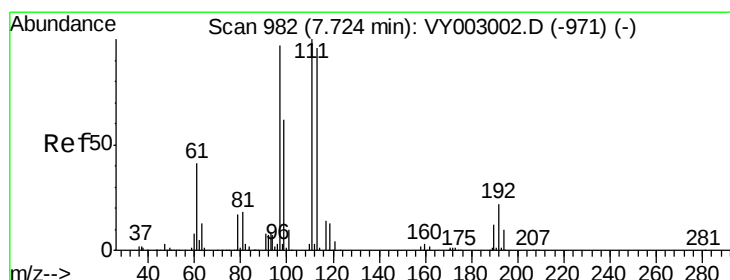
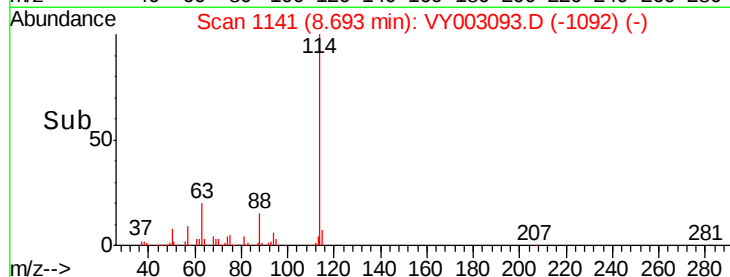
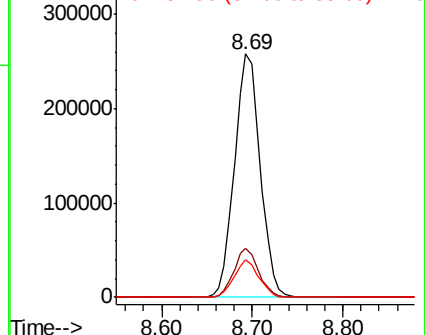
88 15.4 0.0 30.0



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: 50.961 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.00 min

Lab File: VY003093.D

Acq: 02 Jul 2020 18:22

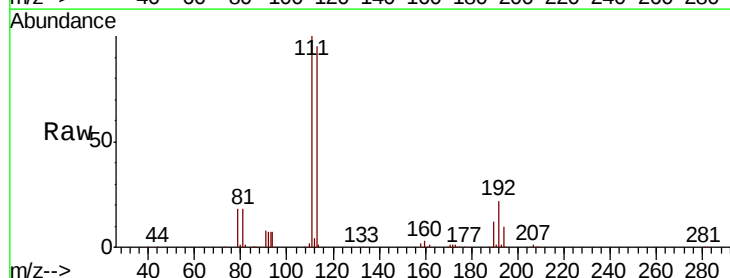
Tgt Ion:113 Resp: 160912

Ion Ratio Lower Upper

113 100

111 103.5 82.6 123.8

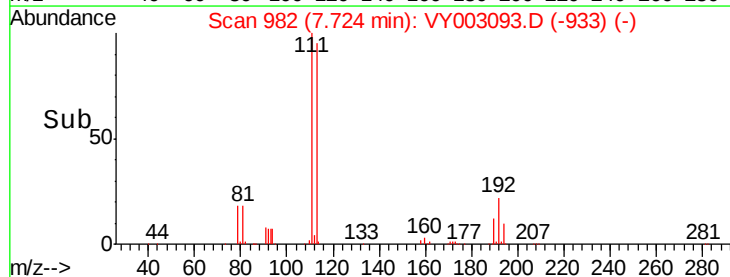
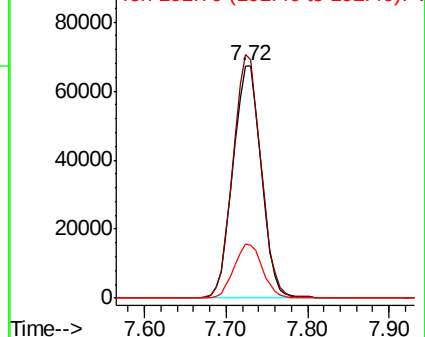
192 23.3 18.1 27.1

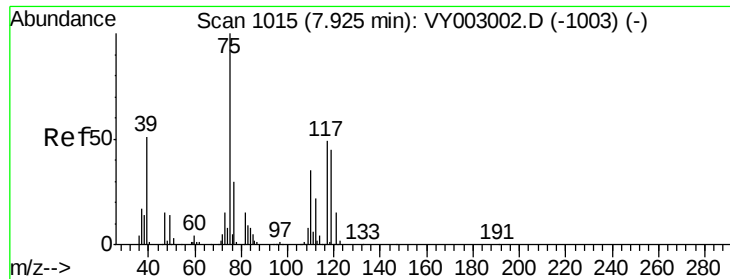


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.316 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY003093.D

Acq: 02 Jul 2020 18:22

Instrument :

MSVOA_Y

ClientSampleId :

SB-1_11-11.5

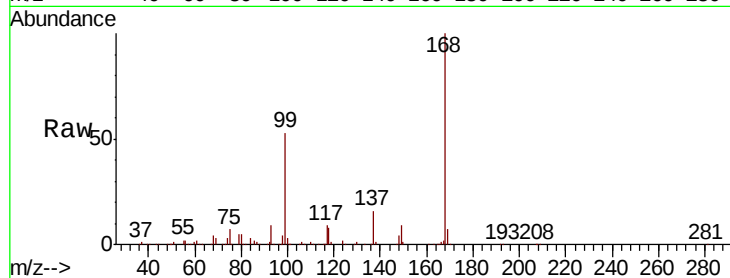
Tot Ion: 75 Resp: 21043

Ion Ratio Lower Upper

75 100

110 9.4 17.1 51.2#

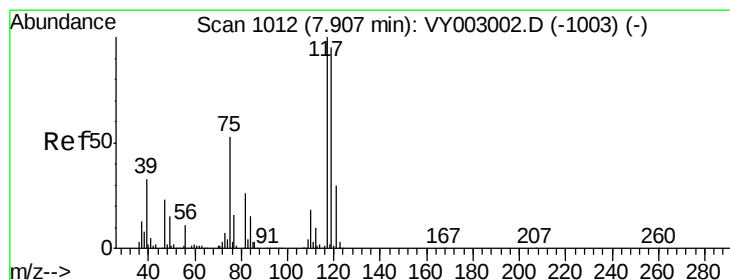
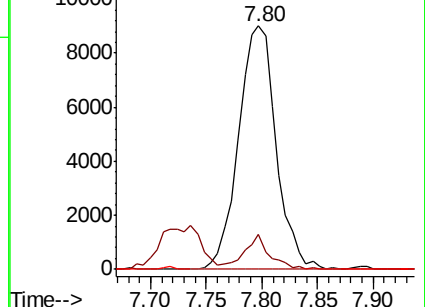
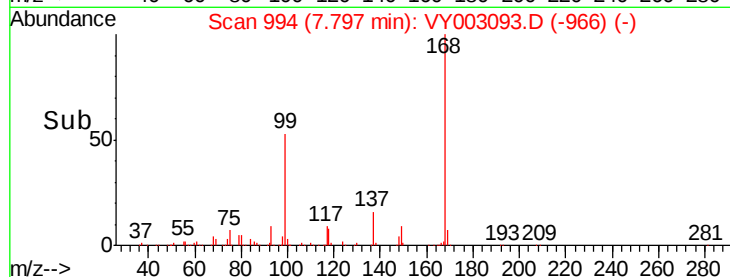
77 0.0 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VY003093.D (-966) (-)

Ion 109.90 (109.60 to 110.60): VY003093.D (-966) (-)

Ion 76.90 (76.60 to 77.60): VY003093.D (-966) (-)



#38

Carbon Tetrachloride

Concen: 5.403 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003093.D

Acq: 02 Jul 2020 18:22

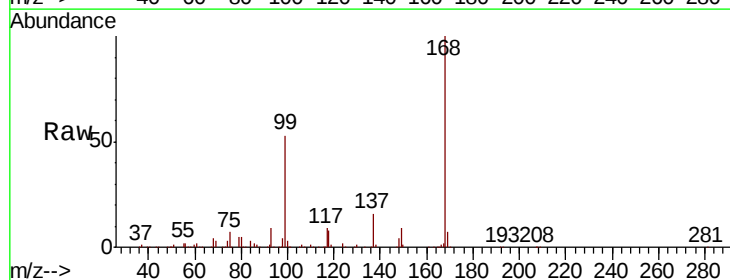
Tgt Ion: 117 Resp: 27408

Ion Ratio Lower Upper

117 100

119 5.8 75.7 113.5#

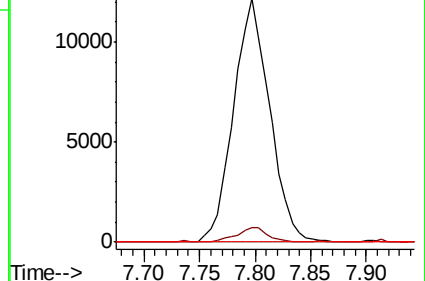
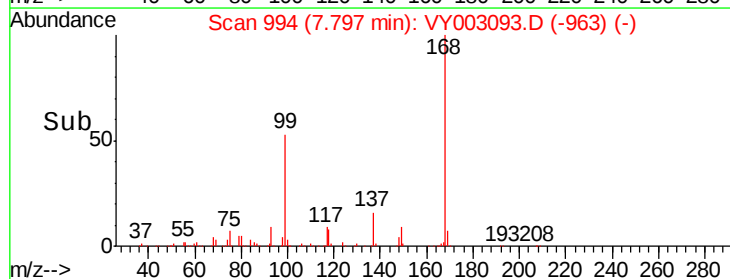
121 0.0 23.9 35.9#

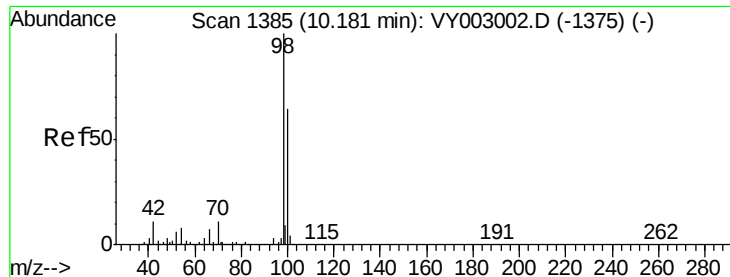


Abundance Ion 116.80 (116.50 to 117.50): VY003093.D (-963) (-)

Ion 118.80 (118.50 to 119.50): VY003093.D (-963) (-)

Ion 120.80 (120.50 to 121.50): VY003093.D (-963) (-)





#50

Toluene-d8

Concen: 50.822 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003093.D

Acq: 02 Jul 2020 18:22

Instrument :

MSVOA_Y

ClientSampleId :

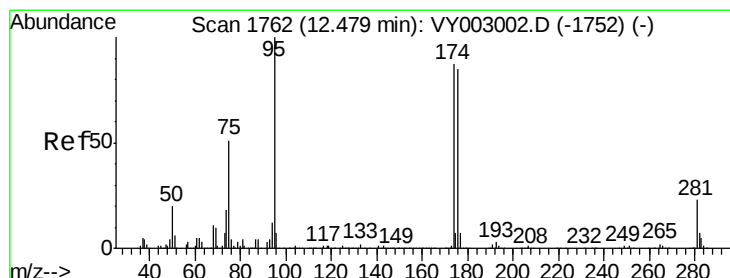
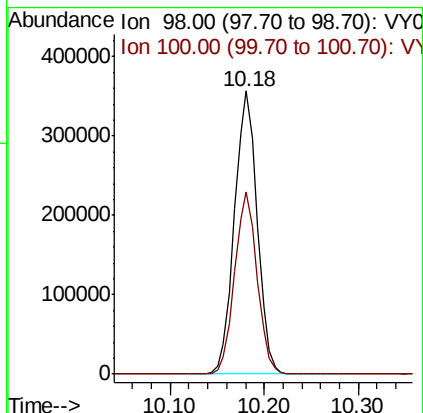
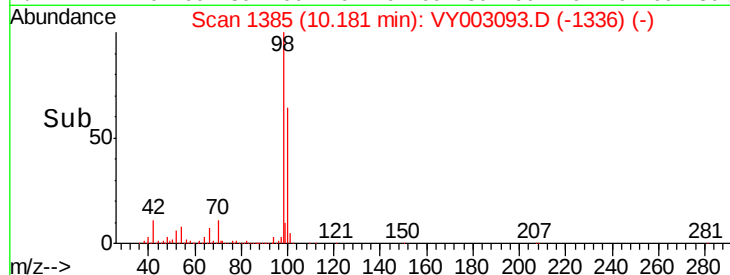
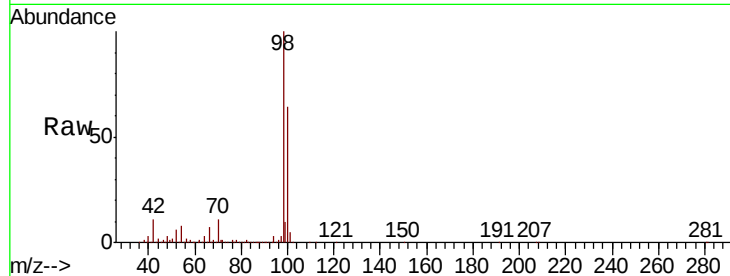
SB-1_11-11.5

Tot Ion: 98 Resp: 597832

Ion Ratio Lower Upper

98 100

100 63.4 51.1 76.7



#62

4-Bromofluorobenzene

Concen: 51.258 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003093.D

Acq: 02 Jul 2020 18:22

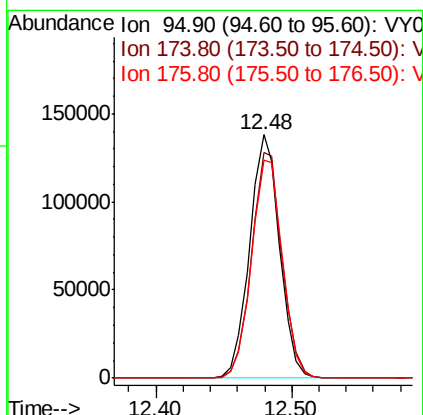
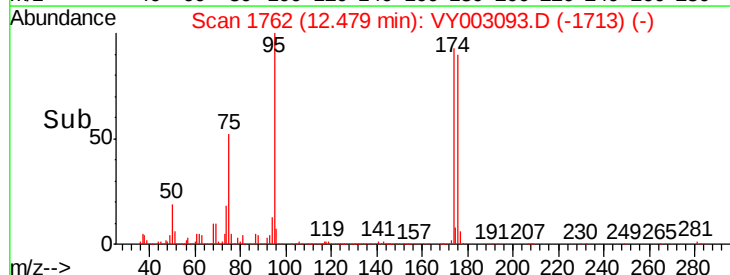
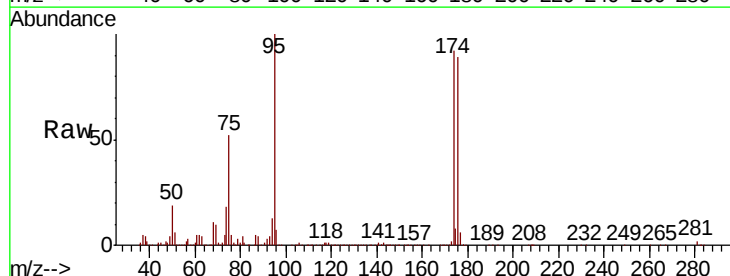
Tgt Ion: 95 Resp: 212243

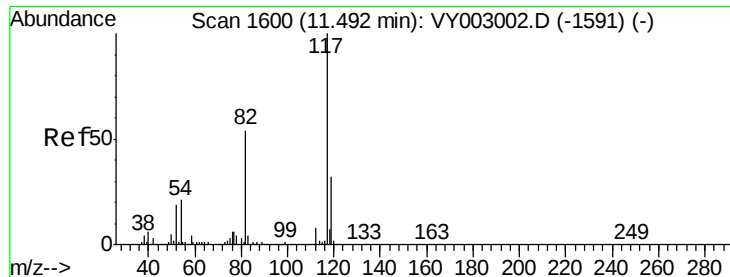
Ion Ratio Lower Upper

95 100

174 94.5 0.0 184.8

176 92.7 0.0 183.0

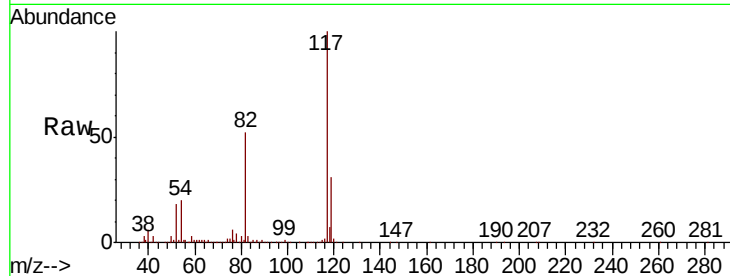




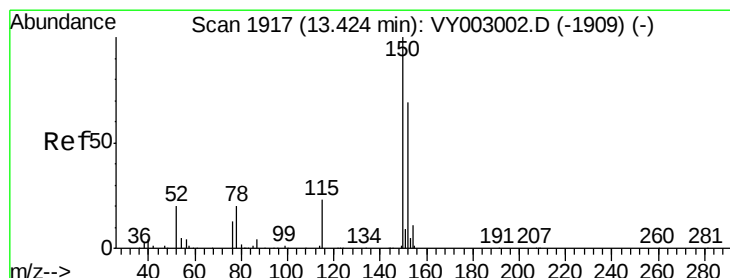
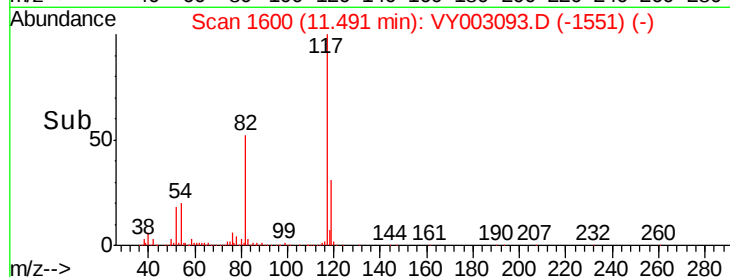
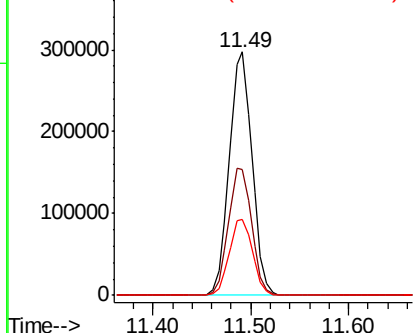
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003093.D
Acq: 02 Jul 2020 18:22

Instrument :
MSVOA_Y
ClientSampleId :
SB-1_11-11.5

Tot Ion:117 Resp: 479850
Ion Ratio Lower Upper
117 100
82 51.7 43.0 64.6
119 30.9 25.8 38.8

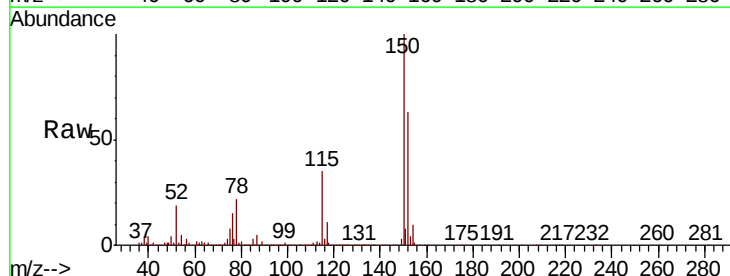


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

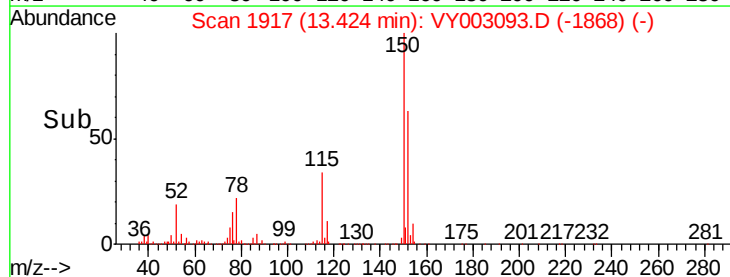
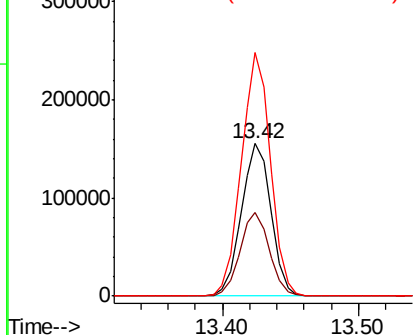


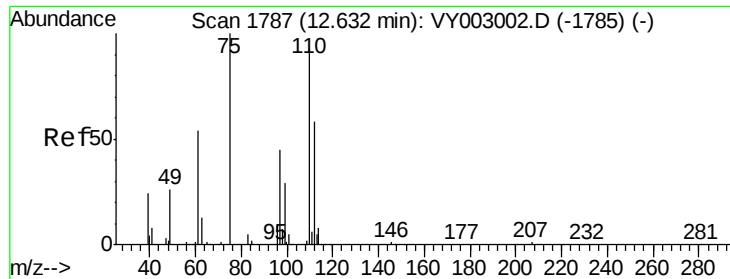
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003093.D
Acq: 02 Jul 2020 18:22

Tgt Ion:152 Resp: 235421
Ion Ratio Lower Upper
152 100
115 54.5 27.3 81.9
150 157.2 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: 46.682 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003093.D

Acq: 02 Jul 2020 18:22

Instrument :

MSVOA_Y

ClientSampleId :

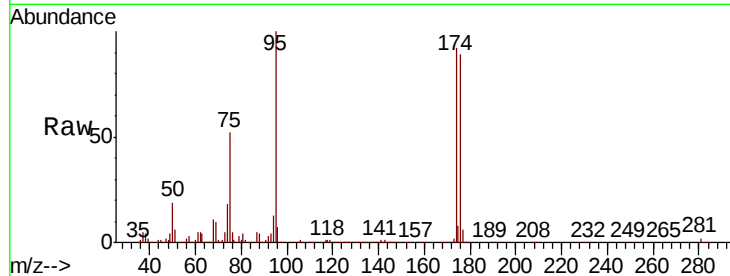
SB-1 11-11.5

Tot Ion: 75 Resp: 108766

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY003002.D (-1785) (-)

Ion 77.00 (76.70 to 77.70): VY003002.D (-1785) (-)

12.48

80000

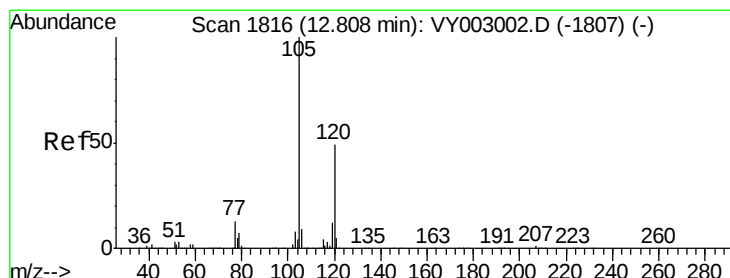
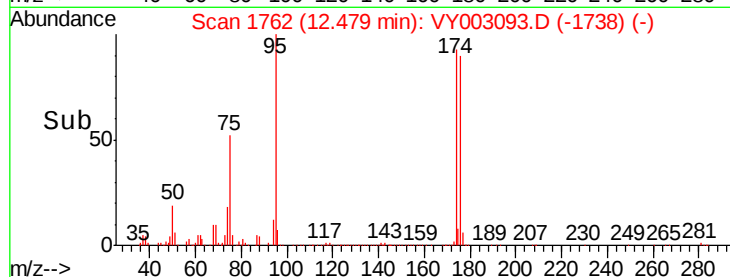
60000

40000

20000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 1.939 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. 0.01 min

Lab File: VY003093.D

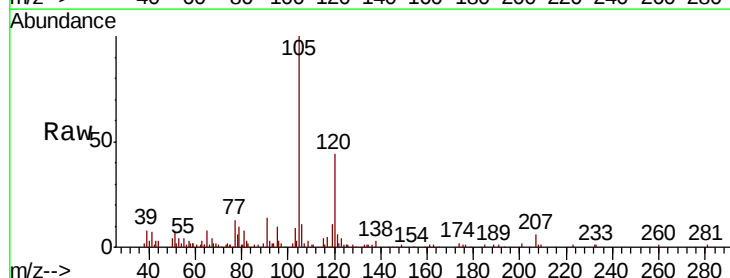
Acq: 02 Jul 2020 18:22

Tgt Ion: 105 Resp: 25071

Ion Ratio Lower Upper

105 100

120 49.2 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): VY003002.D (-1807) (-)

Ion 120.00 (119.70 to 120.70): VY003002.D (-1807) (-)

12.81

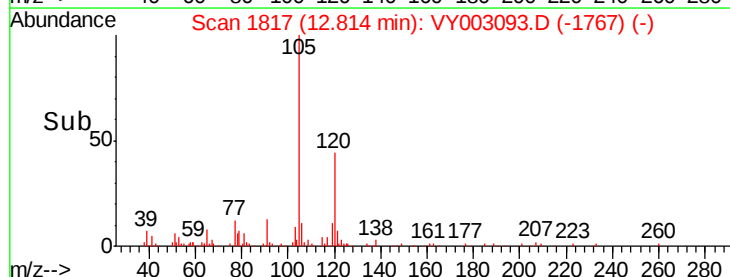
15000

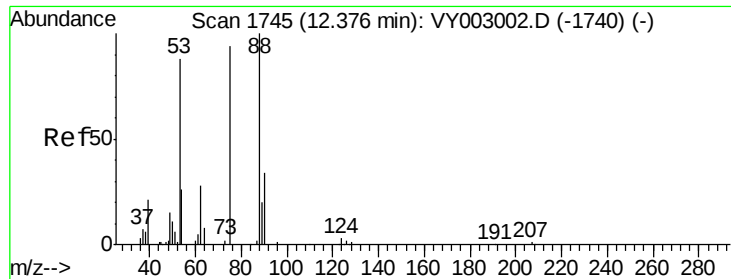
10000

5000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 90.823 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003093.D

Acq: 02 Jul 2020 18:22

Instrument :

MSVOA_Y

ClientSampleId :

SB-1_11-11.5

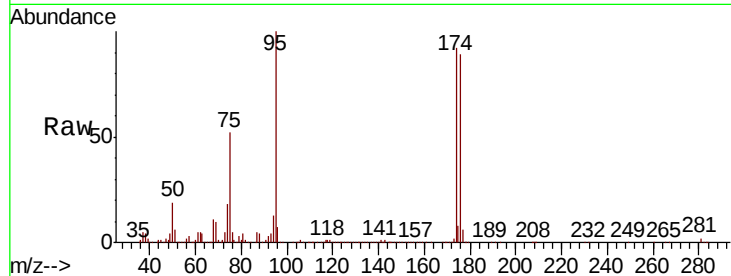
Tot Ion: 75 Resp: 108766

Ion Ratio Lower Upper

75 100

53 0.3 73.9 110.9#

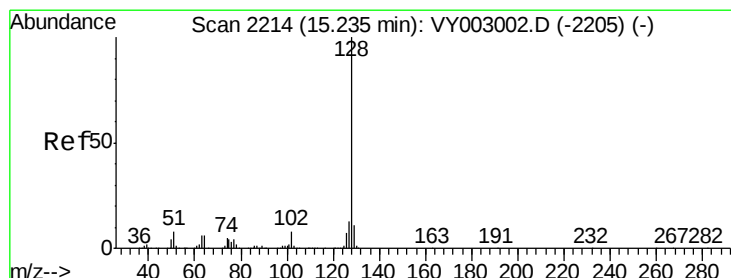
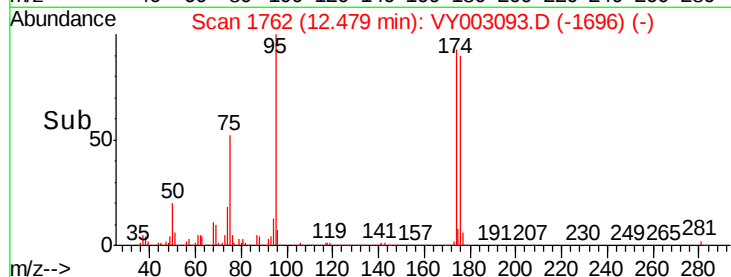
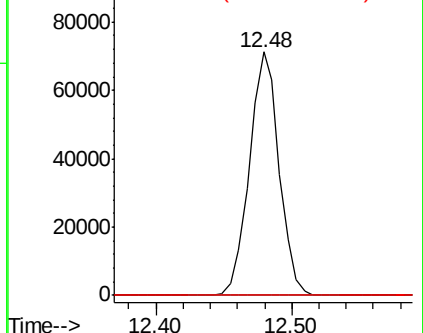
89 0.2 37.5 56.3#



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



#95

Naphthalene

Concen: 1.153 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VY003093.D

Acq: 02 Jul 2020 18:22

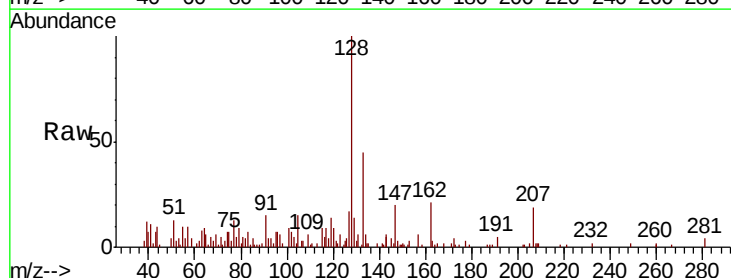
Tgt Ion: 128 Resp: 10353

Ion Ratio Lower Upper

128 100

127 14.9 10.8 16.2

129 0.0 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

