

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY063020\
 Data File : VY003042.D
 Acq On : 30 Jun 2020 18:03
 Operator : SY/MD
 Sample : L3153-43
 Misc : 8.09G/5ML/MSVOA Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP2-L

Quant Time: Jul 01 05:16:31 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	359794	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	568509	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	533299	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	244200	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	191271	53.53	ug/l	0.00
Spiked Amount			Recovery	=	107.06%	
35) Dibromofluoromethane	7.72	113	190129	53.61	ug/l	0.00
Spiked Amount			Recovery	=	107.22%	
50) Toluene-d8	10.18	98	682290	51.64	ug/l	0.00
Spiked Amount			Recovery	=	103.28%	
62) 4-Bromofluorobenzene	12.48	95	230383	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	

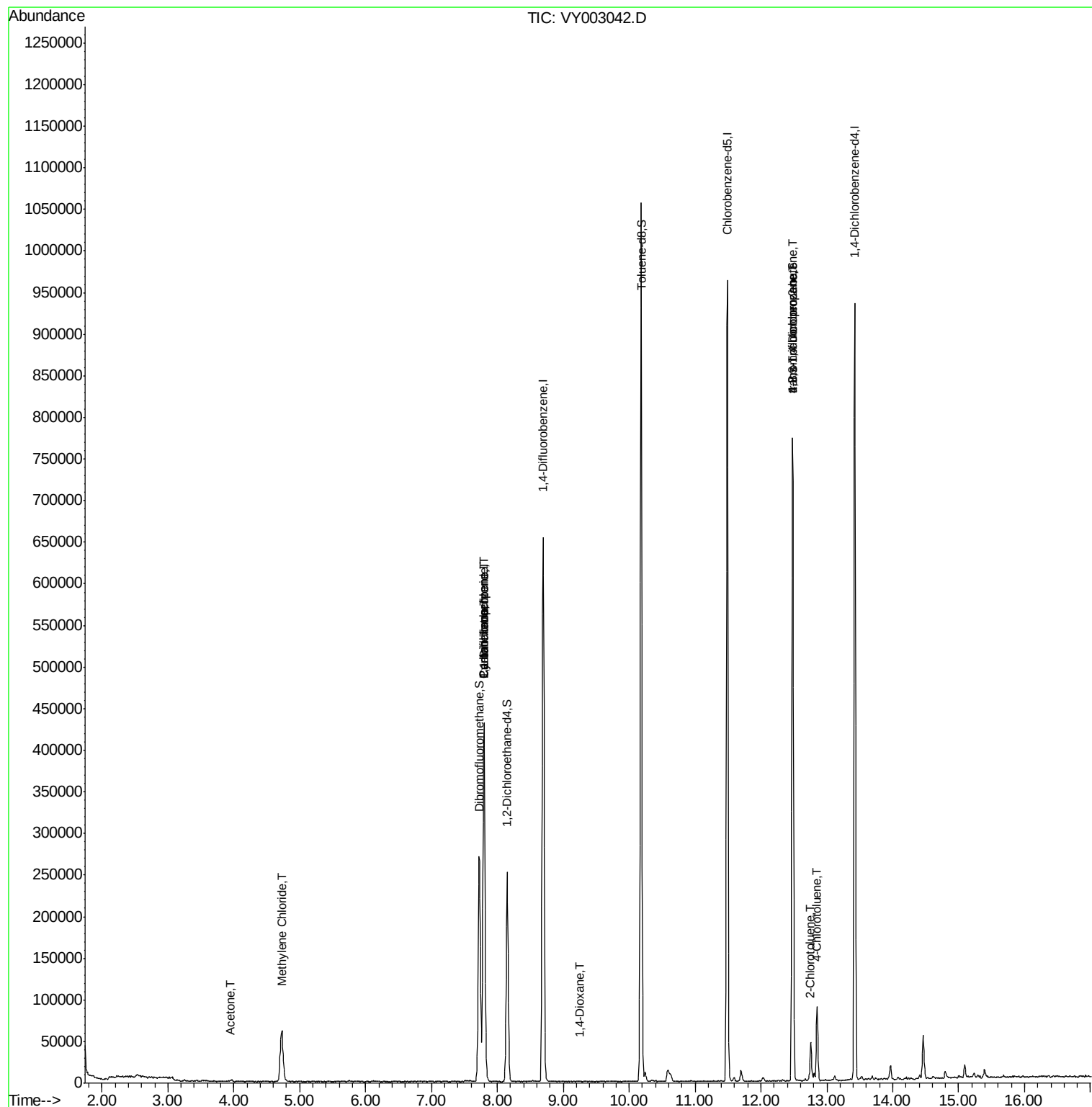
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.96	43	3153	3.741	ug/l	90
20) Methylene Chloride	4.72	84	47911	6.703	ug/l	90
31) Cyclohexane	7.80	56	6365	1.013	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	25062	4.577	ug/l #	51
38) Carbon Tetrachloride	7.80	117	31877	5.595	ug/l #	16
49) 1,4-Dioxane	9.26	88	59	2.146	ug/l #	26
76) 1,2,3-Trichloropropane	12.48	75	117194	48.491	ug/l #	100
79) 2-Chlorotoluene	12.75	91	24438	2.278	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.48	75	117194	94.343	ug/l #	12
82) 4-Chlorotoluene	12.85	91	49346	4.418	ug/l	98

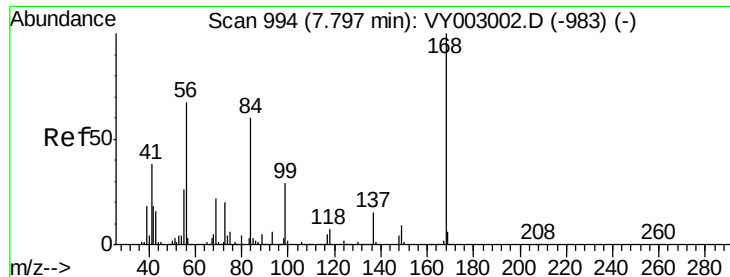
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY063020\
Data File : VY003042.D
Acq On : 30 Jun 2020 18:03
Operator : SY/MD
Sample : L3153-43
Misc : 8.09G/5ML/MSVOA Y/SOIL
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MSVOA_Y
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Quant Time: Jul 01 05:16:31 2020
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: VY003042.D

Acq: 30 Jun 2020 18:03

Instrument :

MSVOA_Y

ClientSampleId :

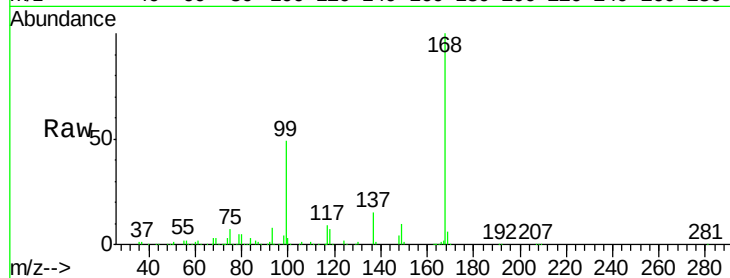
SP2-L

Tot Ion:168 Resp: 359794

Ion Ratio Lower Upper

168 100

99 48.6 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY003042.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003042.D (-945) (-)

7.80

150000

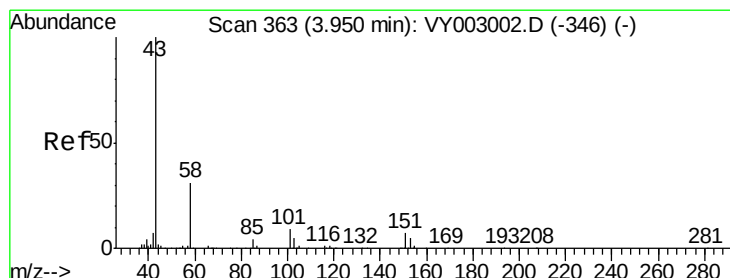
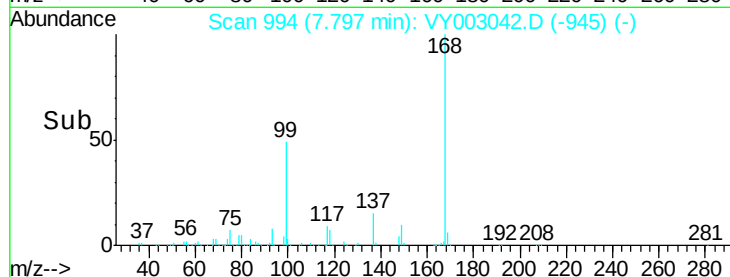
100000

50000

0

7.70 7.80 7.90

Time-->



#16

Acetone

Concen: 3.741 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY003042.D

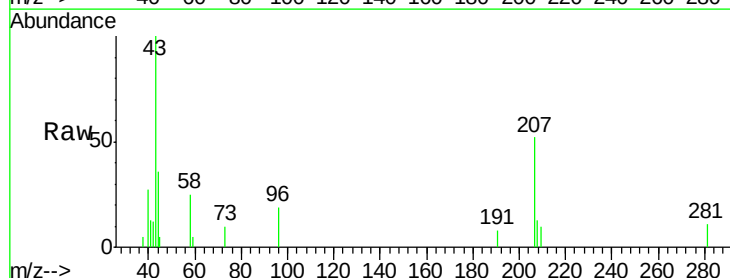
Acq: 30 Jun 2020 18:03

Tgt Ion: 43 Resp: 3153

Ion Ratio Lower Upper

43 100

58 25.4 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VY003042.D (-314) (-)

Ion 58.00 (57.70 to 58.70): VY003042.D (-314) (-)

3.96

1200

1000

800

600

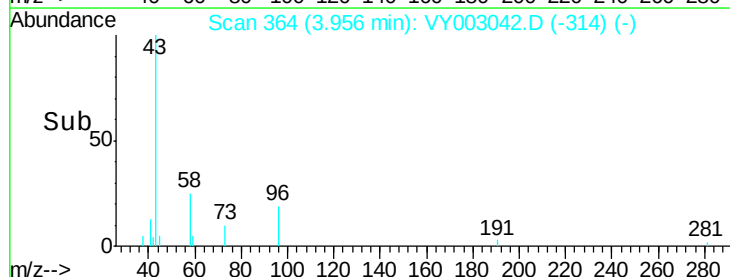
400

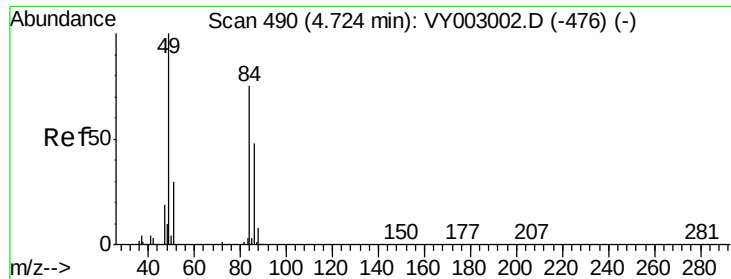
200

0

3.85 3.90 3.95 4.00 4.05

Time-->





#20

Methylene Chloride

Concen: 6.703 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY003042.D

Acq: 30 Jun 2020 18:03

Instrument :

MSVOA_Y

ClientSampleId :

SP2-L

Tot Ion: 84 Resp: 47911

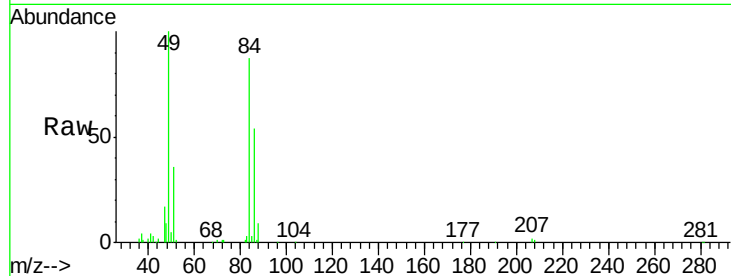
Ion Ratio Lower Upper

84 100

49 114.7 106.8 160.2

51 41.6 32.0 48.0

86 62.1 51.4 77.2

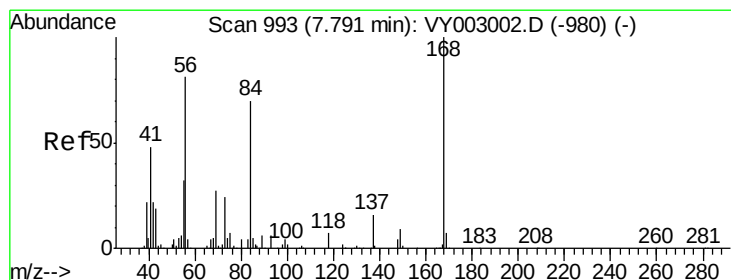
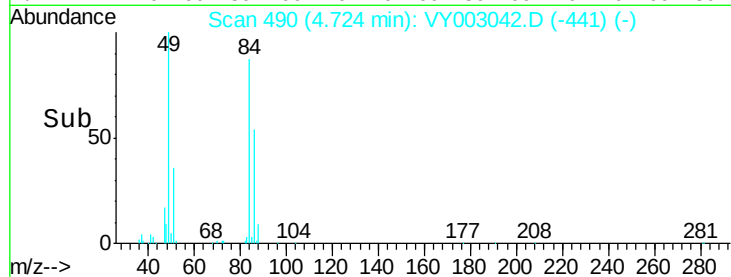
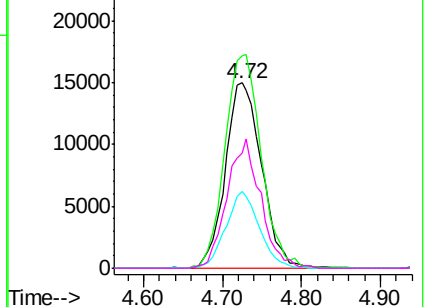


Abundance Ion 83.90 (83.60 to 84.60): VY0

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



#31

Cyclohexane

Concen: 1.013 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY003042.D

Acq: 30 Jun 2020 18:03

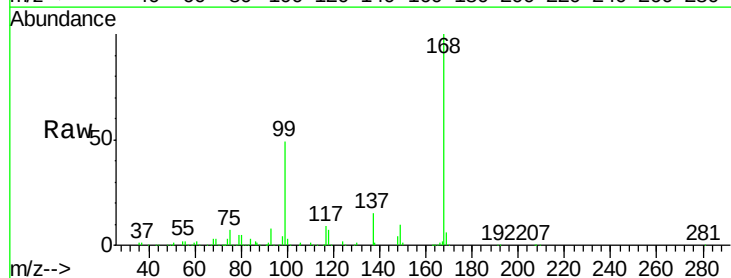
Tgt Ion: 56 Resp: 6365

Ion Ratio Lower Upper

56 100

69 193.3 27.0 40.4#

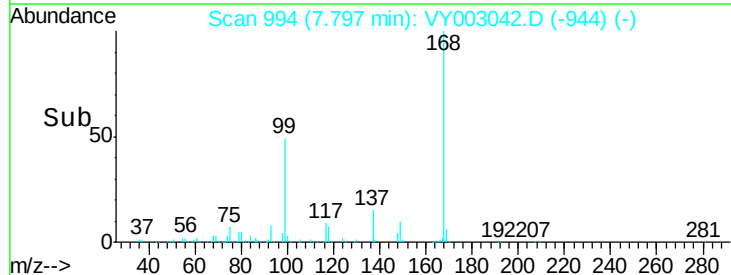
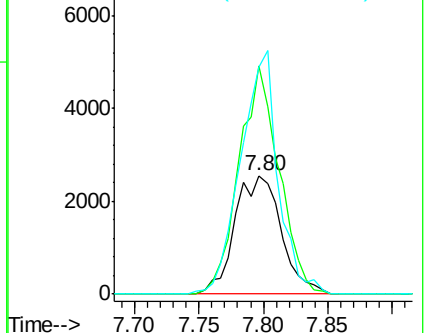
84 191.8 68.1 102.1#

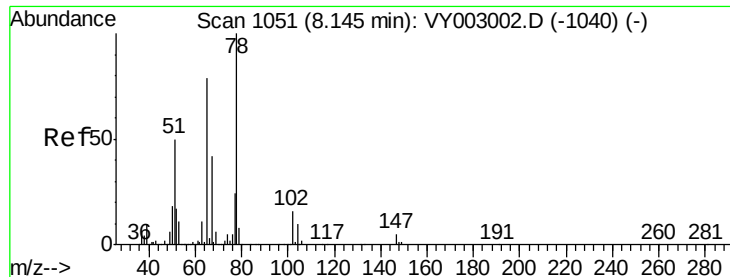


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0

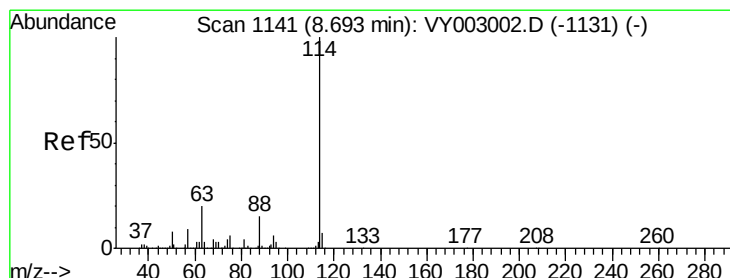
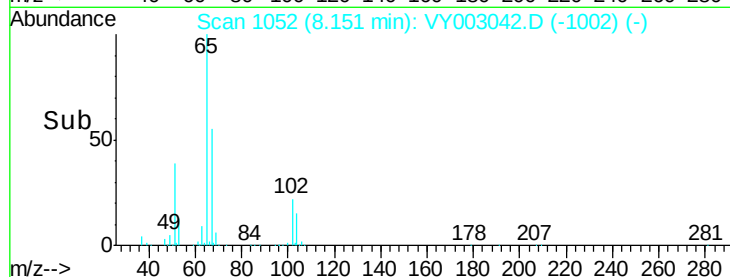
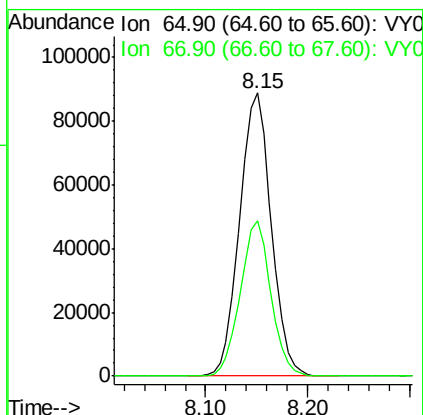
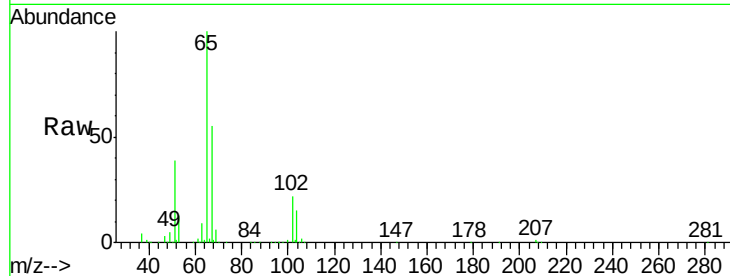




#33
 1,2-Dichloroethane-d4
 Concen: 53.525 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VY003042.D
 Acq: 30 Jun 2020 18:03

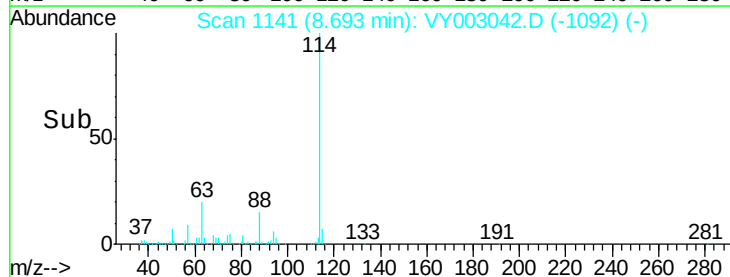
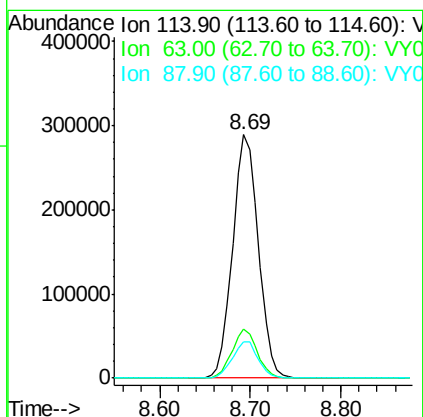
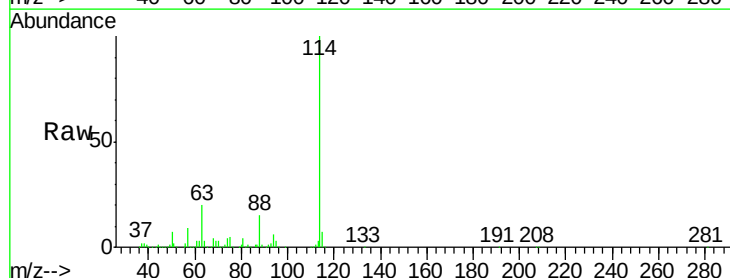
Instrument :
 MSVOA_Y
 ClientSampleId :
 SP2-L

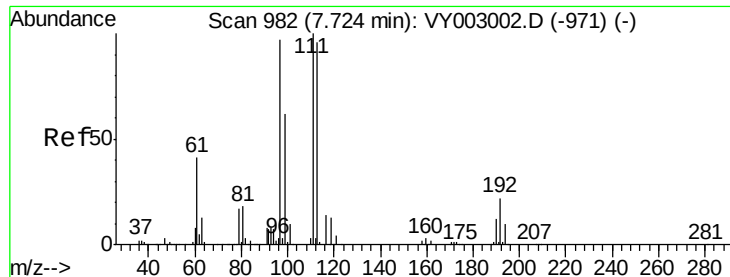
Tot Ion: 65 Resp: 191271
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003042.D
 Acq: 30 Jun 2020 18:03

Tgt Ion: 114 Resp: 568509
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.6
 88 15.1 0.0 30.0





#35

Dibromofluoromethane

Concen: 53.611 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.00 min

Lab File: VY003042.D

Acq: 30 Jun 2020 18:03

Instrument :

MSVOA_Y

ClientSampleId :

SP2-L

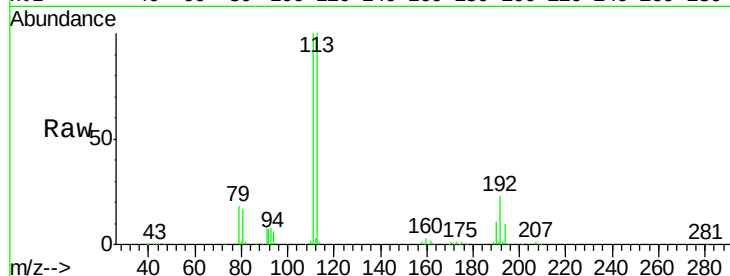
Tot Ion:113 Resp: 190129

Ion Ratio Lower Upper

113 100

111 102.5 82.6 123.8

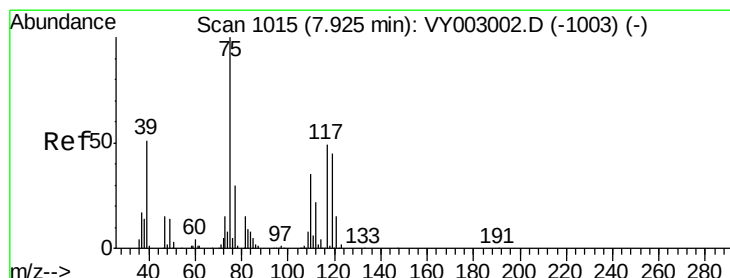
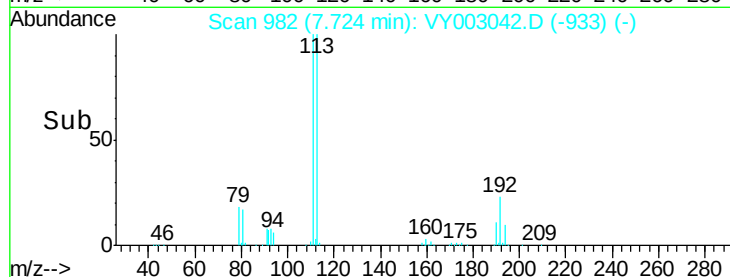
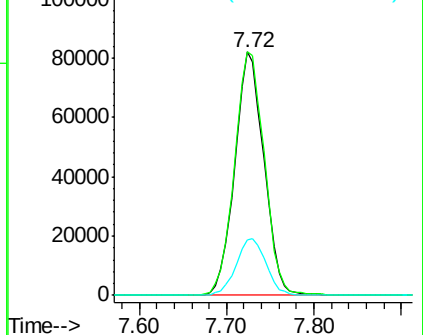
192 23.7 18.1 27.1



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: 4.577 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY003042.D

Acq: 30 Jun 2020 18:03

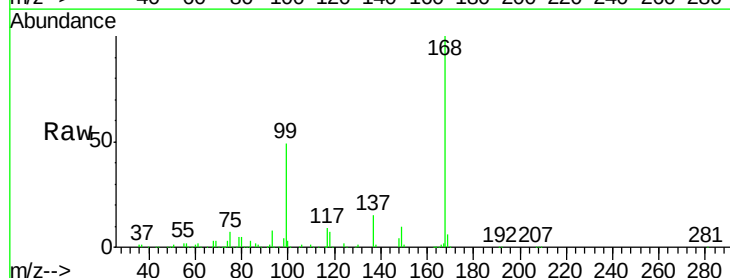
Tgt Ion: 75 Resp: 25062

Ion Ratio Lower Upper

75 100

110 10.0 17.1 51.2#

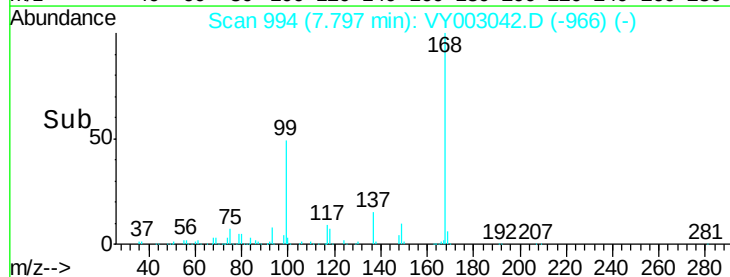
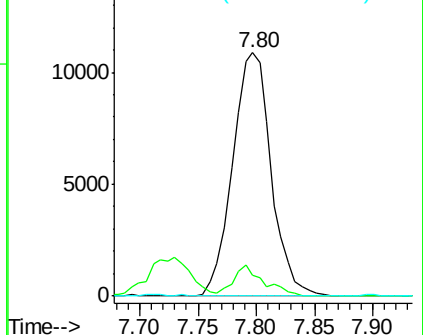
77 0.0 24.9 37.3#

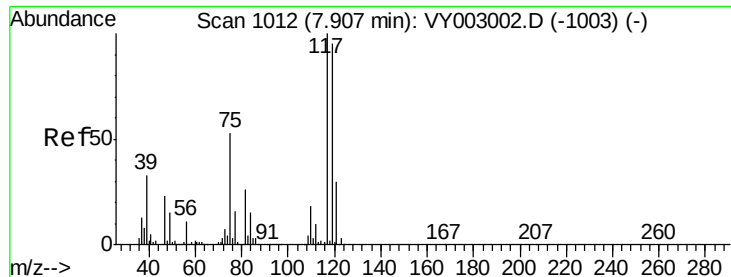


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 5.595 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003042.D

Acq: 30 Jun 2020 18:03

Instrument :

MSVOA_Y

ClientSampled :

SP2-L

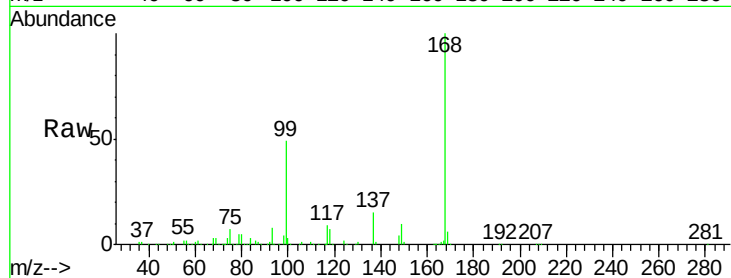
Tot Ion:117 Resp: 31877

Ion Ratio Lower Upper

117 100

119 4.5 75.7 113.5#

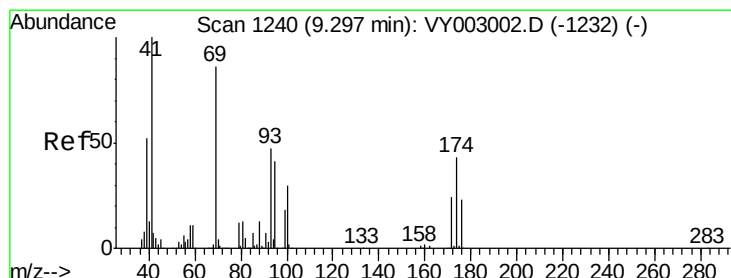
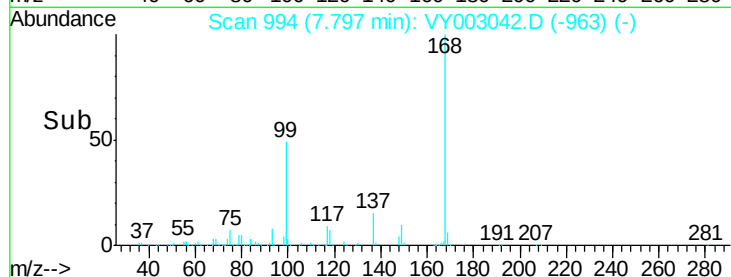
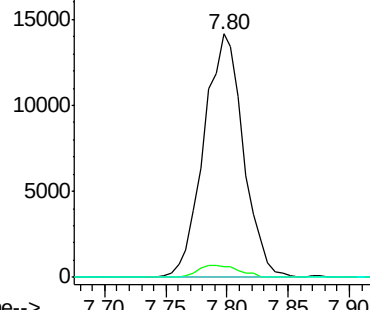
121 0.0 23.9 35.9#



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



#49

1,4-Dioxane

Concen: 2.146 ug/l

RT: 9.26 min Scan# 1234

Delta R.T. -0.04 min

Lab File: VY003042.D

Acq: 30 Jun 2020 18:03

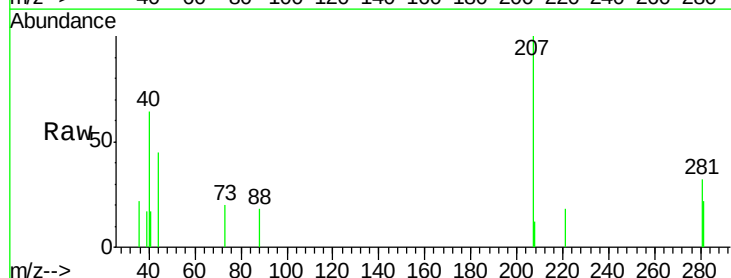
Tgt Ion: 88 Resp: 59

Ion Ratio Lower Upper

88 100

43 150.8 28.6 42.8#

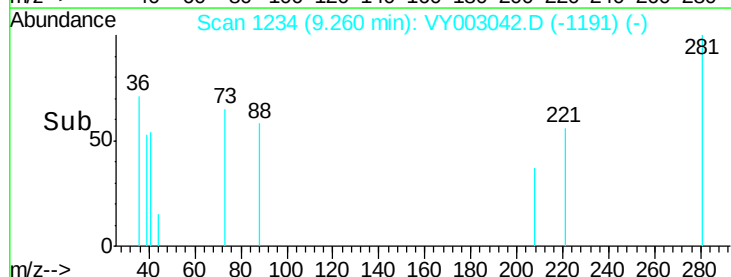
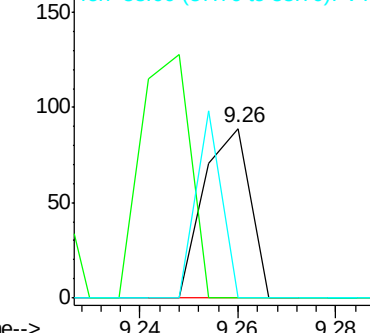
58 61.0 56.7 85.1

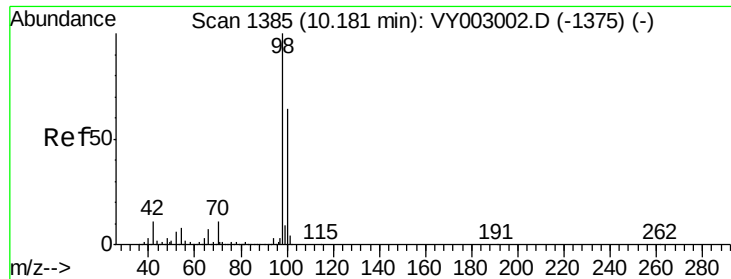


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#50

Toluene-d8

Concen: 51.641 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003042.D

Acq: 30 Jun 2020 18:03

Instrument :

MSVOA_Y

ClientSampleId :

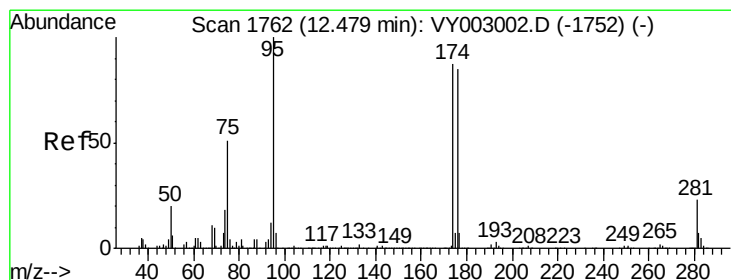
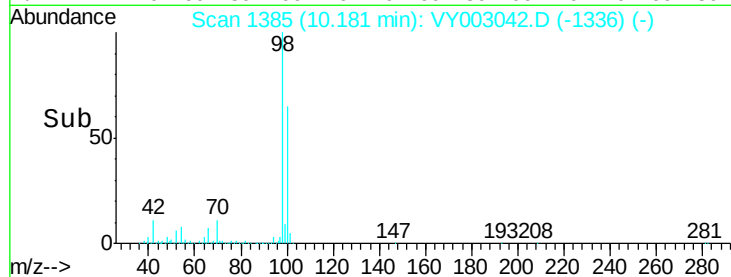
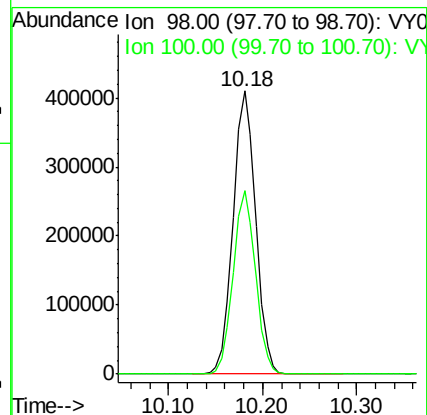
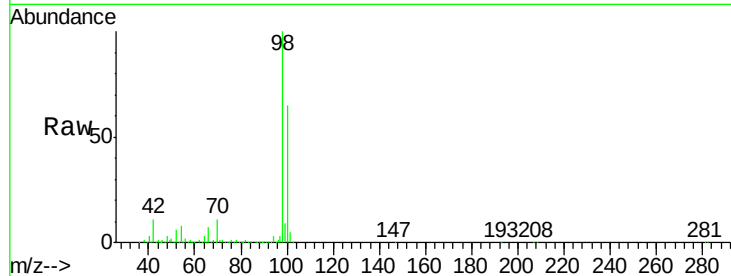
SP2-L

Tot Ion: 98 Resp: 682290

Ion Ratio Lower Upper

98 100

100 64.2 51.1 76.7



#62

4-Bromofluorobenzene

Concen: 49.537 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003042.D

Acq: 30 Jun 2020 18:03

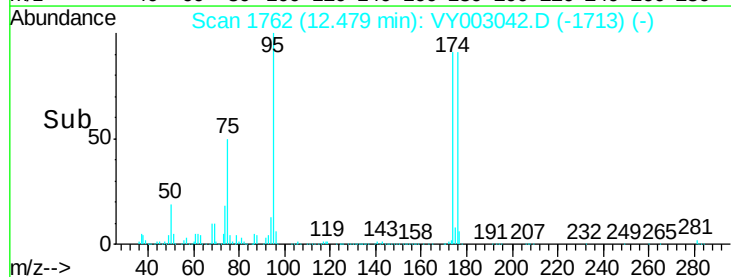
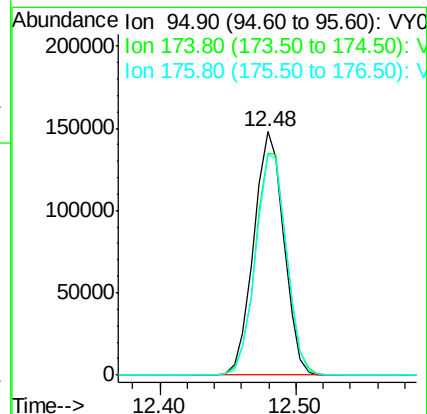
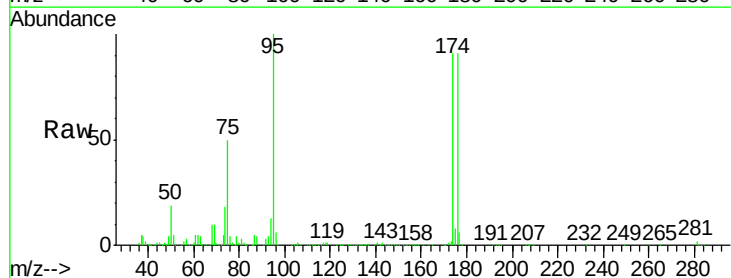
Tgt Ion: 95 Resp: 230383

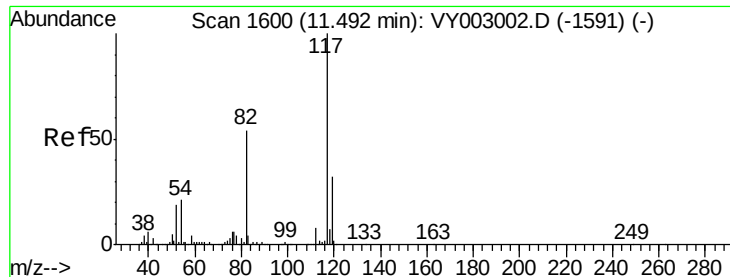
Ion Ratio Lower Upper

95 100

174 94.4 0.0 184.8

176 92.8 0.0 183.0

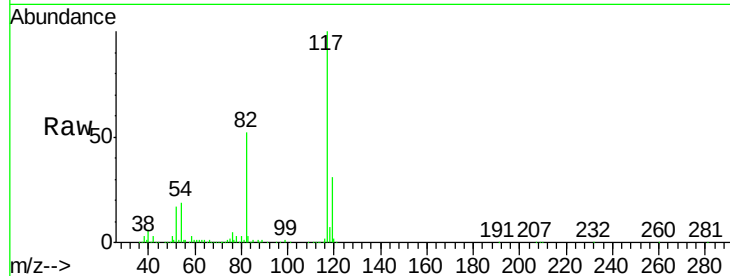




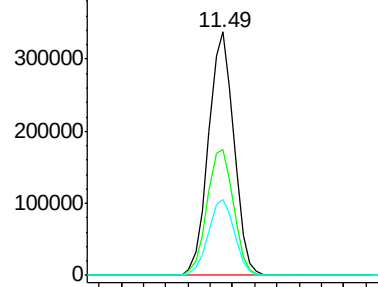
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003042.D
Acq: 30 Jun 2020 18:03

Instrument :
MSVOA_Y
ClientSampled :
SP2-L

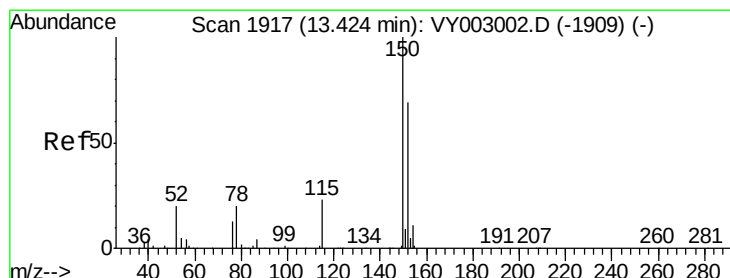
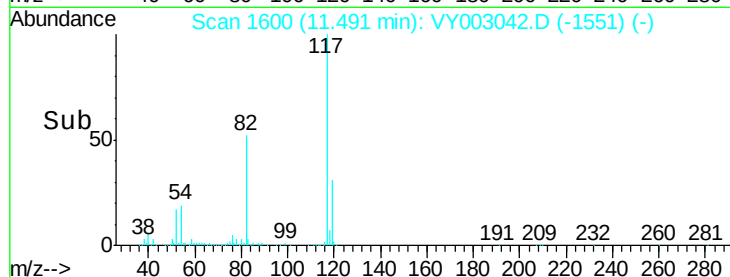
Tot Ion:117 Resp: 533299
Ion Ratio Lower Upper
117 100
82 51.8 43.0 64.6
119 31.3 25.8 38.8



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

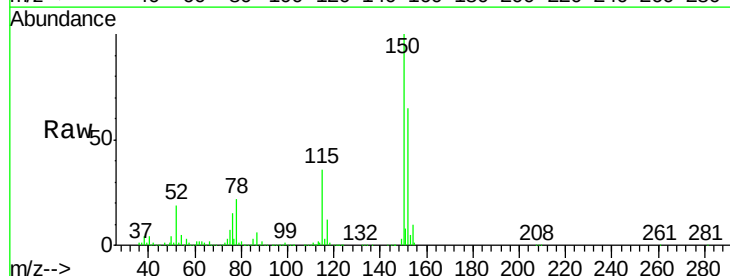


Time-->

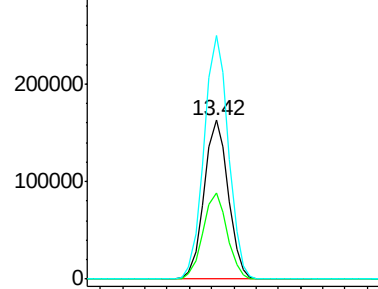


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003042.D
Acq: 30 Jun 2020 18:03

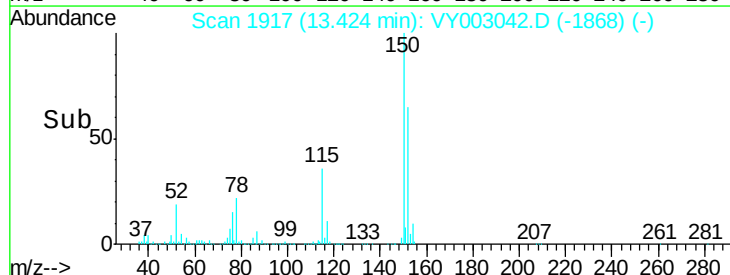
Tgt Ion:152 Resp: 244200
Ion Ratio Lower Upper
152 100
115 54.2 27.3 81.9
150 155.1 0.0 343.4

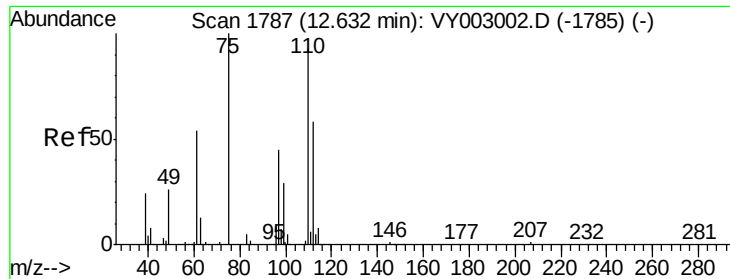


Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



Time-->





#76

1,2,3-Trichloropropane

Concen: 48.491 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003042.D

Acq: 30 Jun 2020 18:03

Instrument :

MSVOA_Y

ClientSampled :

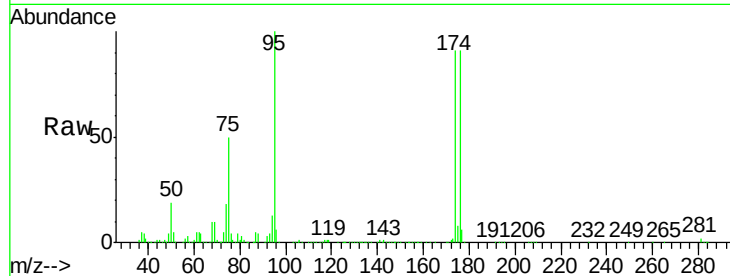
SP2-L

Tot Ion: 75 Resp: 117194

Ion Ratio Lower Upper

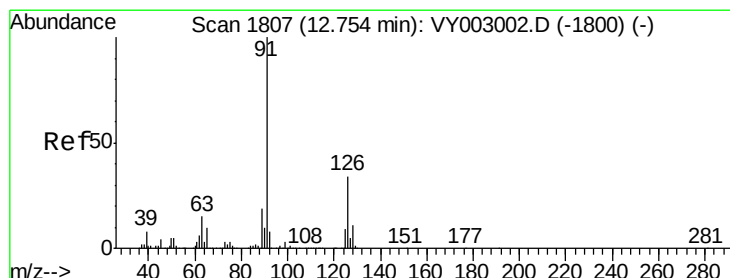
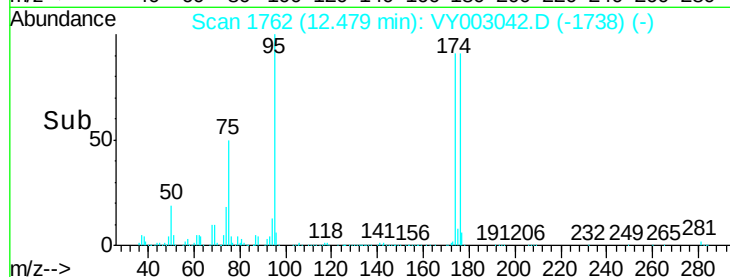
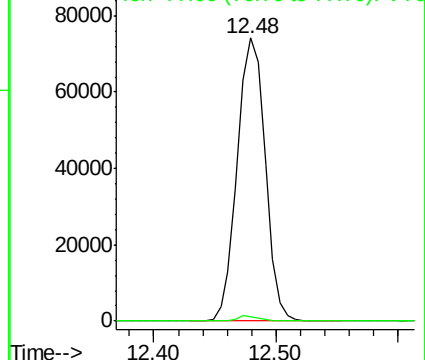
75 100

77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0



#79

2-Chlorotoluene

Concen: 2.278 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY003042.D

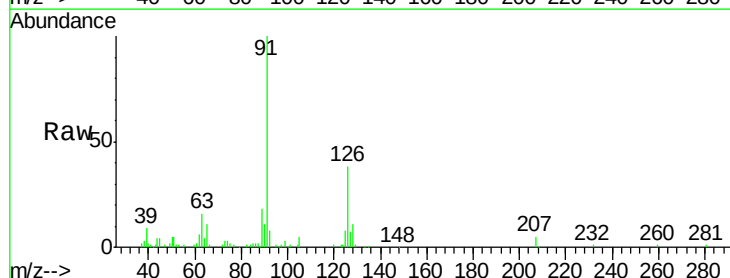
Acq: 30 Jun 2020 18:03

Tgt Ion: 91 Resp: 24438

Ion Ratio Lower Upper

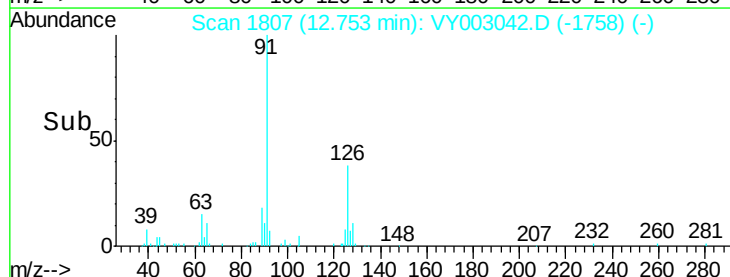
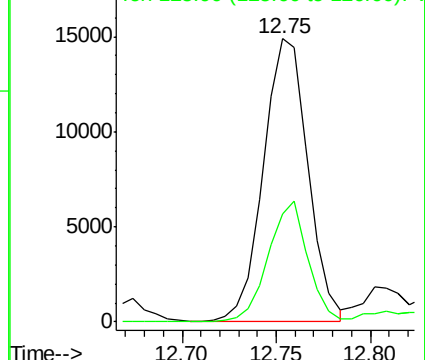
91 100

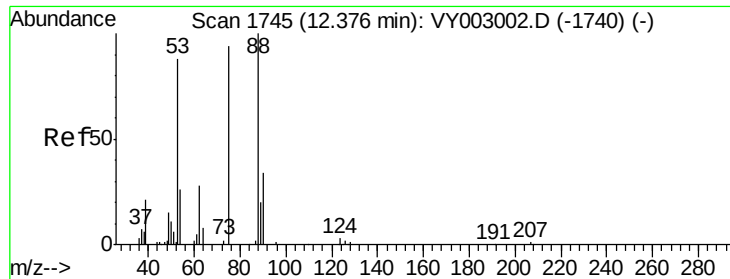
126 37.7 17.1 51.3



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V

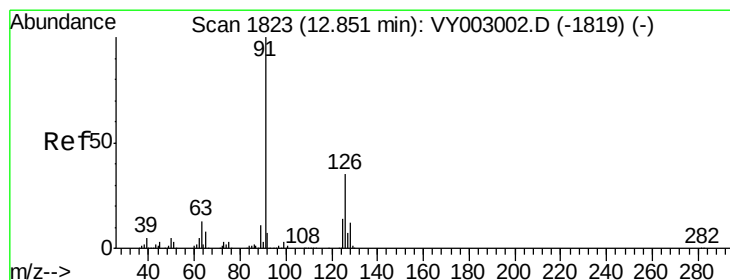
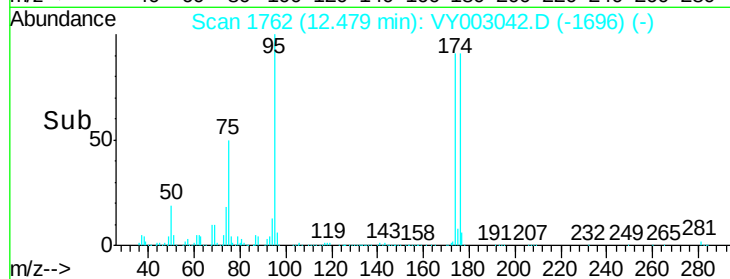
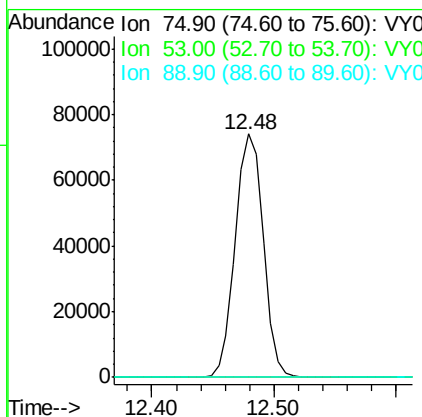
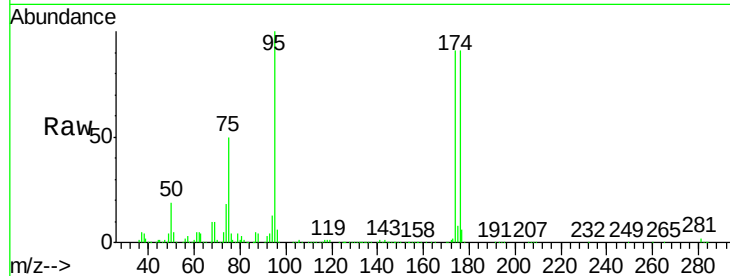




#81
trans-1,4-Dichloro-2-butene
Concen: 94.343 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.10 min
Lab File: VY003042.D
Acq: 30 Jun 2020 18:03

Instrument :
MSVOA_Y
ClientSampleId :
SP2-L

Tot Ion: 75 Resp: 117194
Ion Ratio Lower Upper
75 100
53 0.0 73.9 110.9#
89 0.1 37.5 56.3#



#82
4-Chlorotoluene
Concen: 4.418 ug/l
RT: 12.85 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VY003042.D
Acq: 30 Jun 2020 18:03

Tgt Ion: 91 Resp: 49346
Ion Ratio Lower Upper
91 100
126 33.7 17.4 52.3

