

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072020\
 Data File : VY003249.D
 Acq On : 20 Jul 2020 21:57
 Operator : SY/MD
 Sample : L3308-23
 Misc : 5.04G/5ML/MSVOA Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 23

Quant Time: Jul 21 03:21:41 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

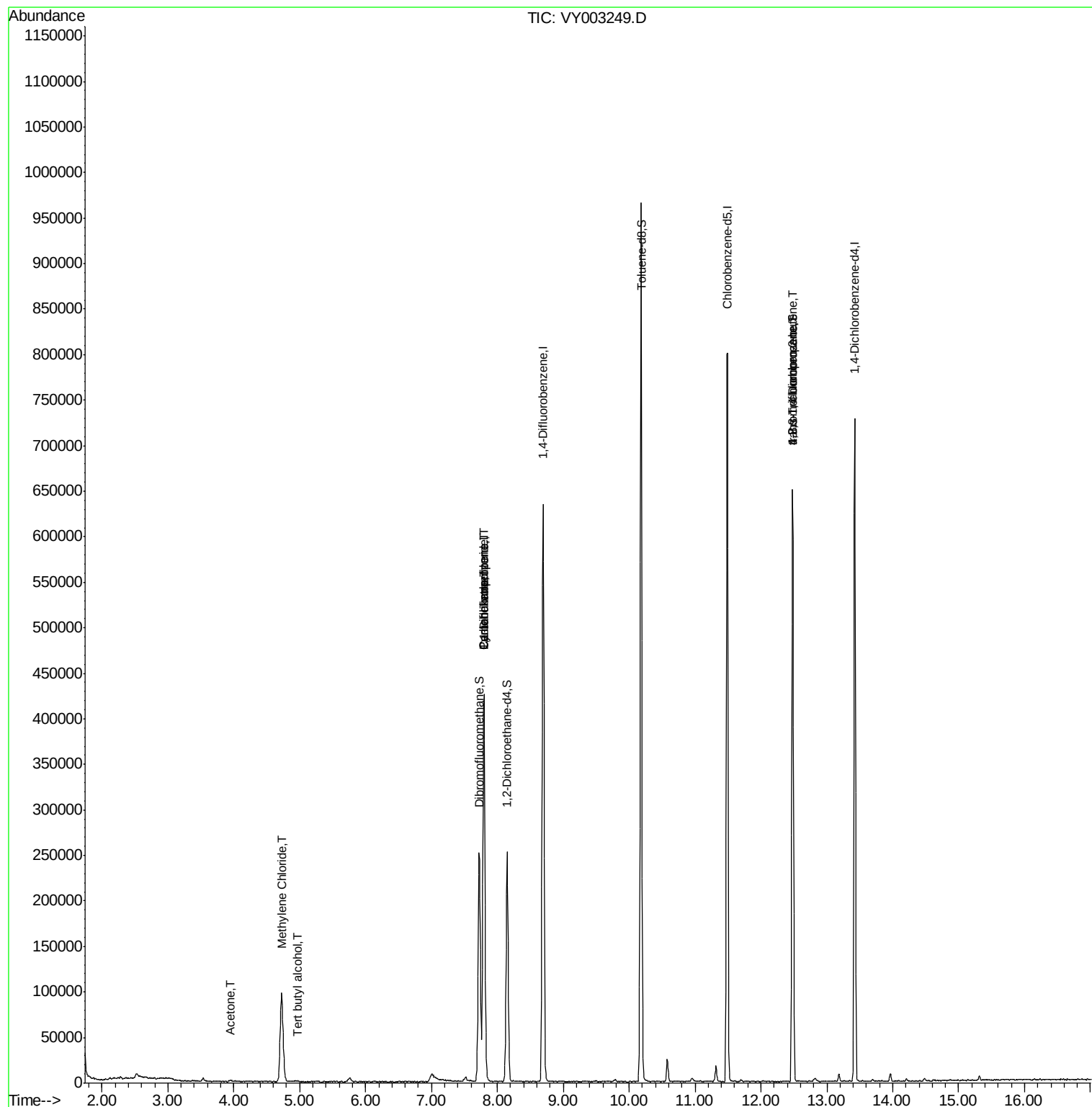
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	347665	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	525866	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	436435	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	180969	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	197245	67.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	134.44%	
35) Dibromofluoromethane	7.72	113	178220	58.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.78%	
50) Toluene-d8	10.18	98	619041	55.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.04%	
62) 4-Bromofluorobenzene	12.48	95	178502	43.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.84%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.97	59	448	1.412	ug/l #	89
16) Acetone	3.95	43	2821	4.304	ug/l	93
20) Methylene Chloride	4.73	84	73152	18.747	ug/l	97
31) Cyclohexane	7.80	56	6821	1.278	ug/l #	16
36) 1,1-Dichloropropene	7.79	75	25954	5.446	ug/l #	51
38) Carbon Tetrachloride	7.80	117	31334	6.368	ug/l #	17
76) 1,2,3-Trichloropropane	12.48	75	93384	58.296	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	93384	113.456	ug/l #	13

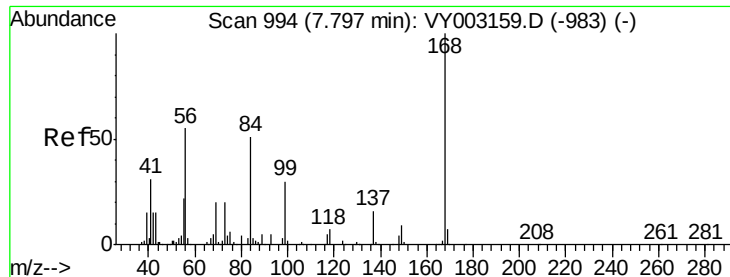
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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23

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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: VY003249.D

Acq: 20 Jul 2020 21:57

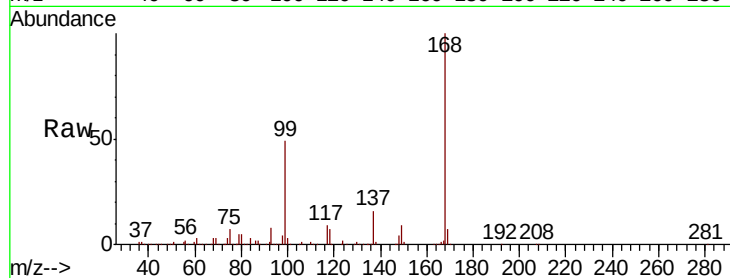
Instrument :
MSVOA_Y
ClientSampleId :
23

Tot Ion:168 Resp: 347665

Ion Ratio Lower Upper

168 100

99 49.4 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

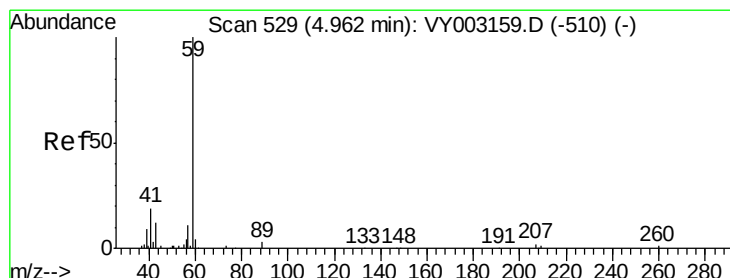
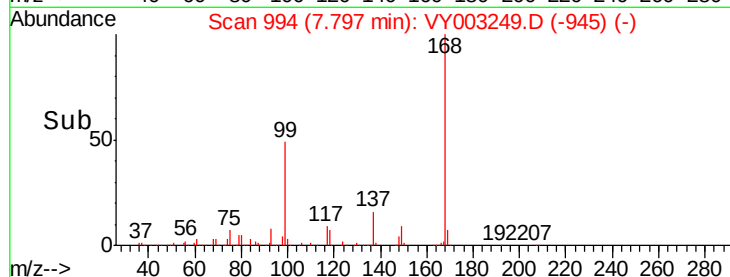
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.412 ug/l

RT: 4.97 min Scan# 531

Delta R.T. 0.01 min

Lab File: VY003249.D

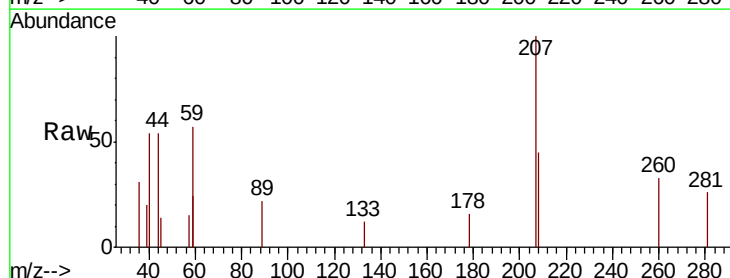
Acq: 20 Jul 2020 21:57

Tgt Ion: 59 Resp: 448

Ion Ratio Lower Upper

59 100

57 6.3 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VY003159.D (-510) (-)

Ion 57.00 (56.70 to 57.70): VY003159.D (-510) (-)

4.97

400

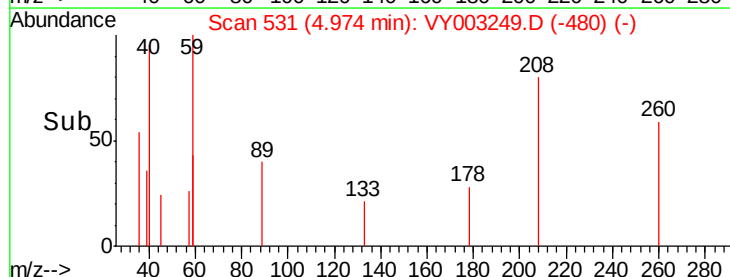
300

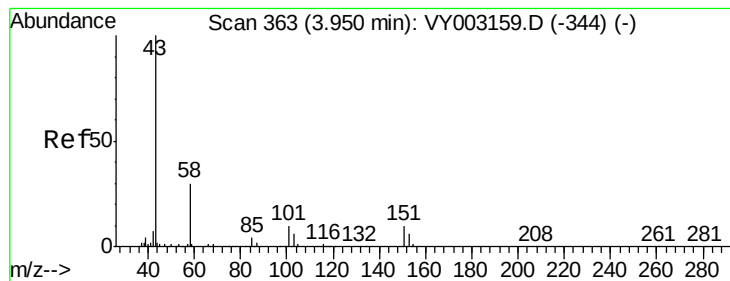
200

100

0

Time-->





#16

Acetone

Concen: 4.304 ug/l

RT: 3.95 min Scan# 363

Delta R.T. -0.00 min

Lab File: VY003249.D

Acq: 20 Jul 2020 21:57

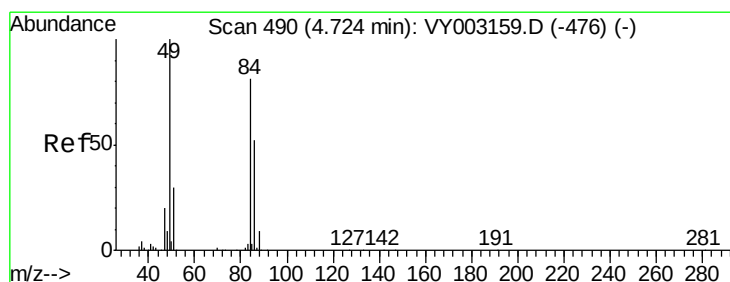
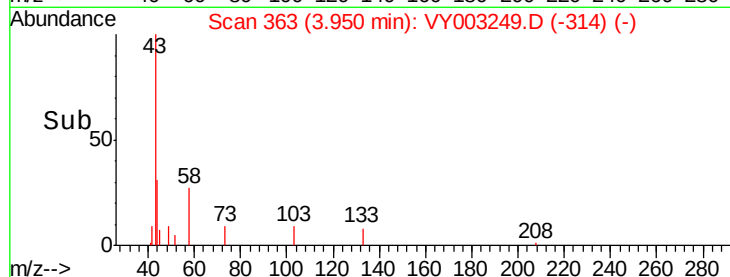
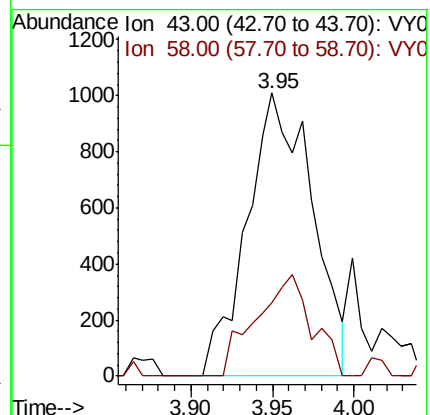
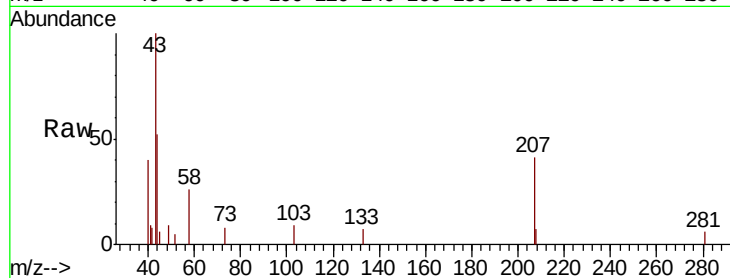
Instrument :
MSVOA_Y
ClientSampleId :
23

Tot Ion: 43 Resp: 2821

Ion Ratio Lower Upper

43 100

58 25.8 23.8 35.6



#20

Methylene Chloride

Concen: 18.747 ug/l

RT: 4.73 min Scan# 491

Delta R.T. 0.01 min

Lab File: VY003249.D

Acq: 20 Jul 2020 21:57

Tgt Ion: 84 Resp: 73152

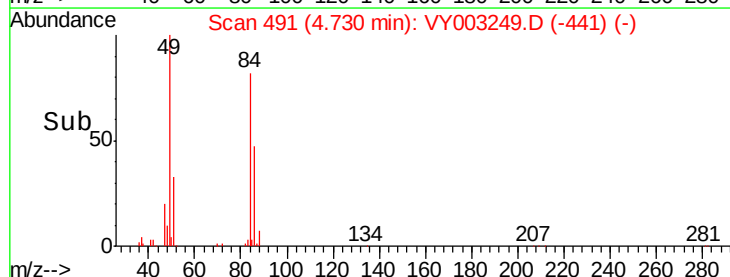
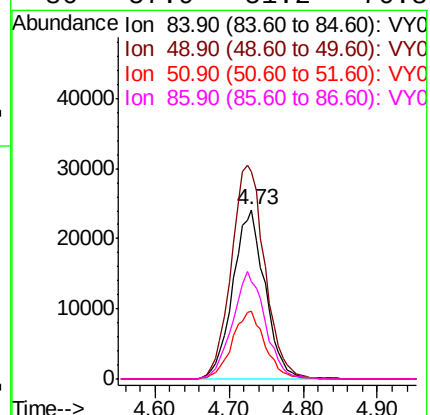
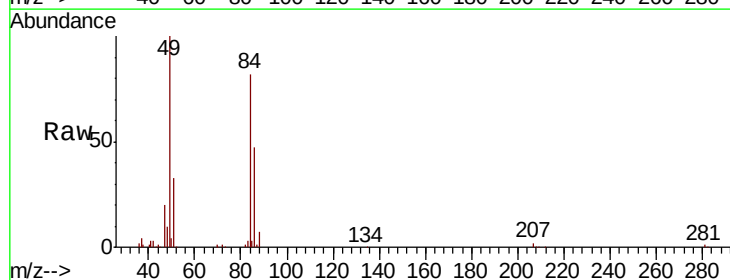
Ion Ratio Lower Upper

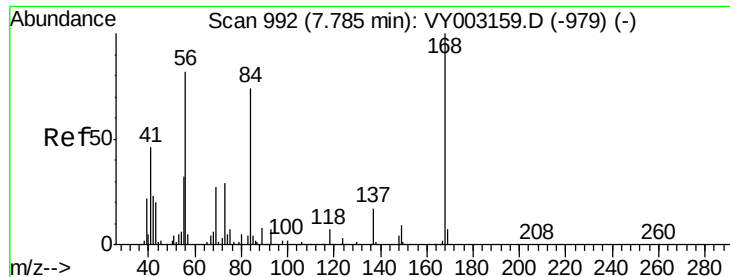
84 100

49 122.5 98.2 147.4

51 40.3 29.8 44.6

86 57.9 51.2 76.8

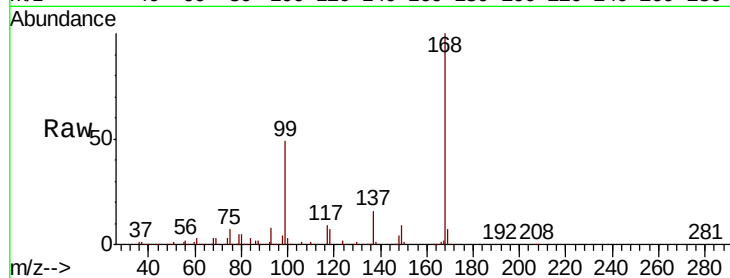




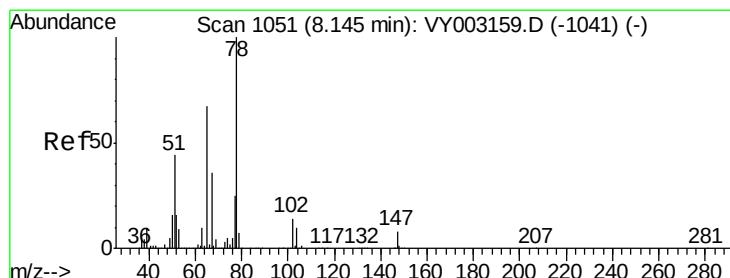
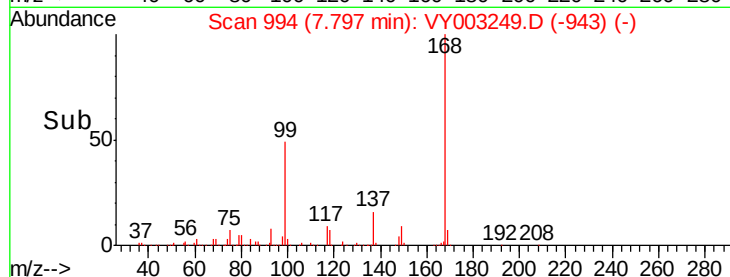
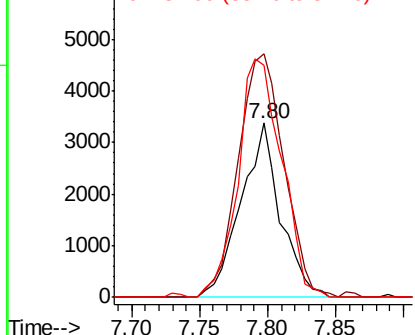
#31
Cyclohexane
Concen: 1.278 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY003249.D
Acq: 20 Jul 2020 21:57

Instrument :
MSVOA_Y
ClientSampleId :
23

Tot Ion: 56 Resp: 6821
Ion Ratio Lower Upper
56 100
69 139.6 26.7 40.1#
84 133.4 72.3 108.5#

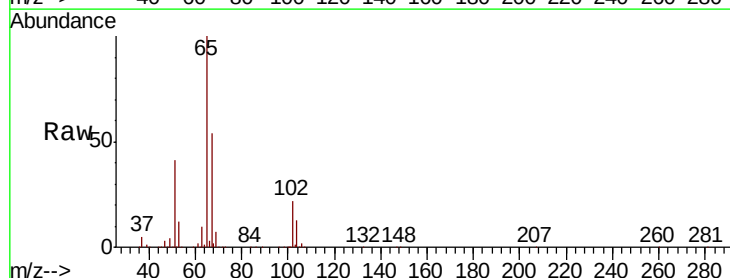


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

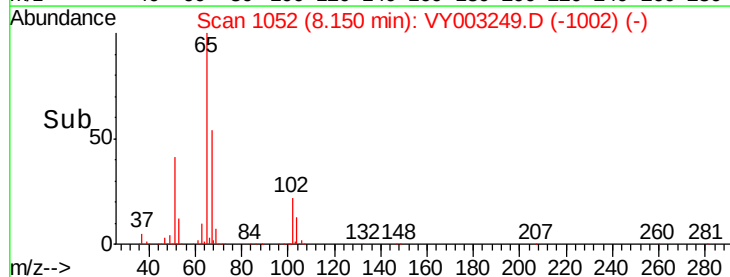
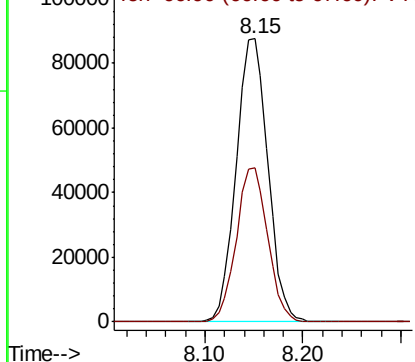


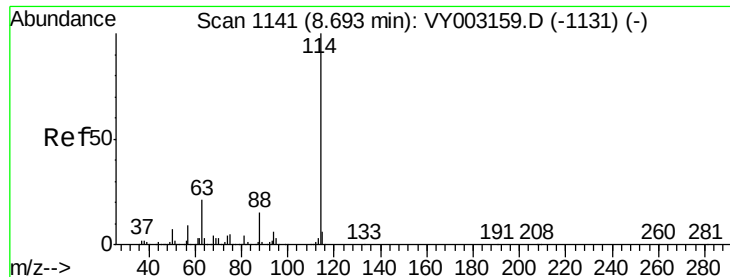
#33
1,2-Dichloroethane-d4
Concen: 67.218 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VY003249.D
Acq: 20 Jul 2020 21:57

Tgt Ion: 65 Resp: 197245
Ion Ratio Lower Upper
65 100
67 53.9 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: VY003249.D

Acq: 20 Jul 2020 21:57

Instrument :
MSVOA_Y
ClientSampleId :
23

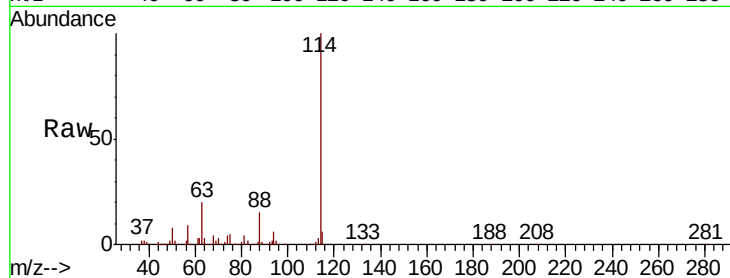
Tot Ion:114 Resp: 525866

Ion Ratio Lower Upper

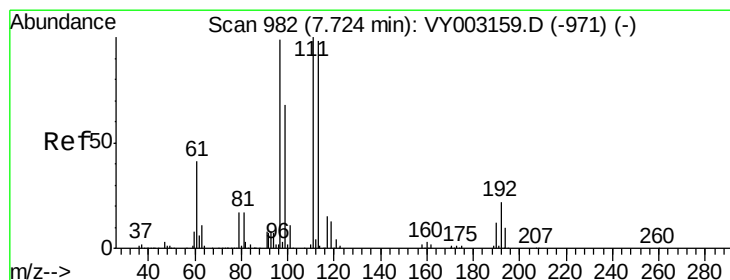
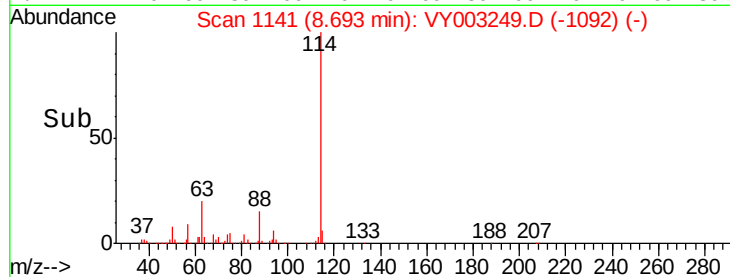
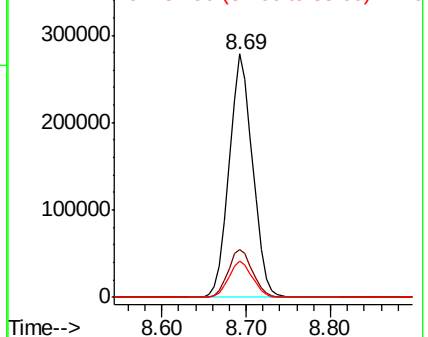
114 100

63 19.7 0.0 41.2

88 14.7 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: 58.892 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.00 min

Lab File: VY003249.D

Acq: 20 Jul 2020 21:57

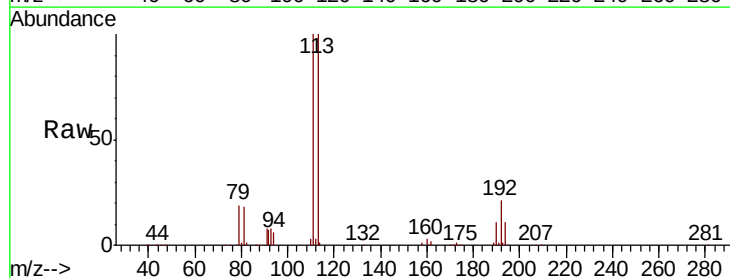
Tgt Ion:113 Resp: 178220

Ion Ratio Lower Upper

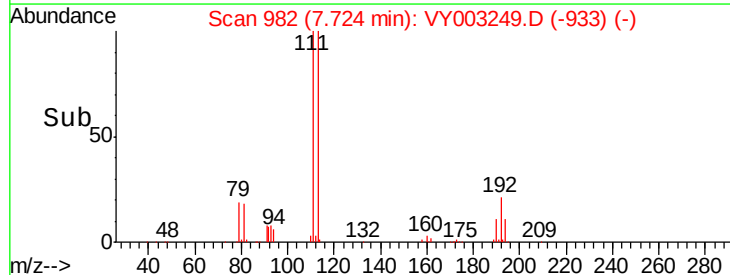
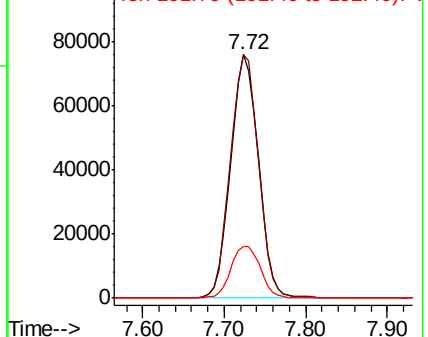
113 100

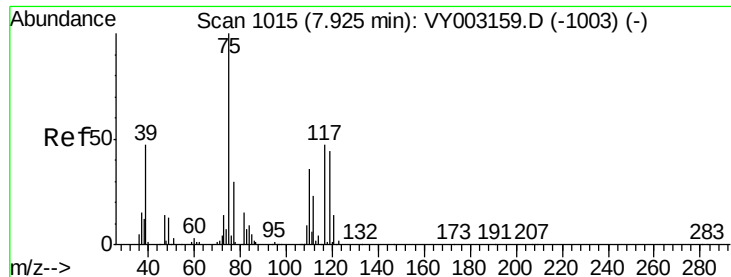
111 101.3 82.1 123.1

192 22.6 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: 5.446 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.13 min

Lab File: VY003249.D

Acq: 20 Jul 2020 21:57

Instrument :

MSVOA_Y

ClientSampleId :

23

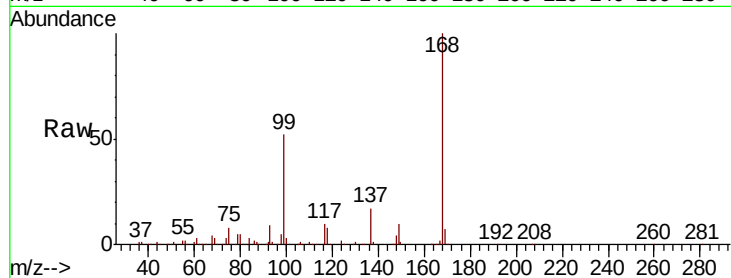
Tot Ion: 75 Resp: 25954

Ion Ratio Lower Upper

75 100

110 10.7 18.1 54.1#

77 0.0 24.8 37.2#

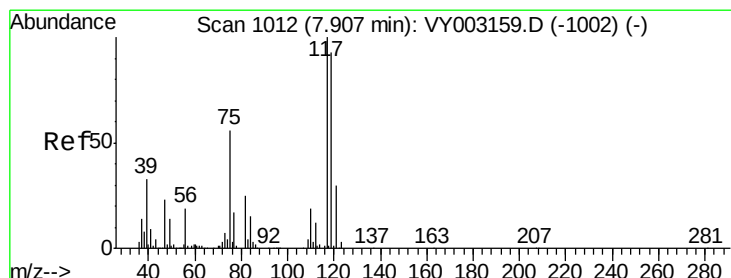
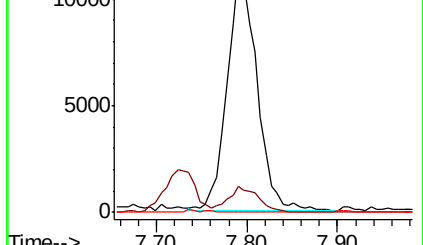
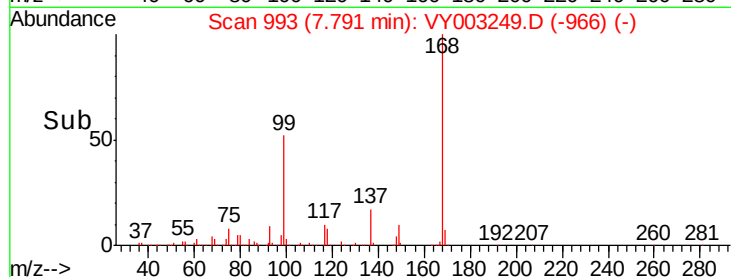


Abundance Ion 74.90 (74.60 to 75.60): VY003159.D (-1003) (-)

Ion 109.90 (109.60 to 110.60): VY003159.D (-1003) (-)

Ion 76.90 (76.60 to 77.60): VY003159.D (-1003) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.368 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003249.D

Acq: 20 Jul 2020 21:57

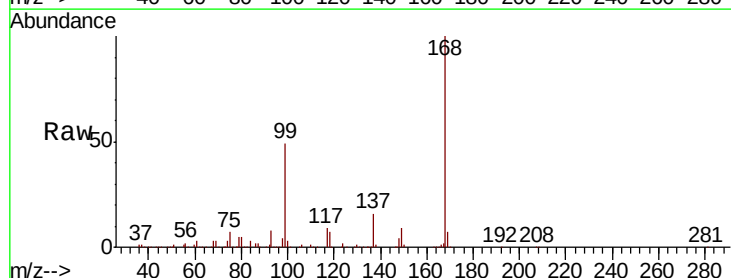
Tgt Ion: 117 Resp: 31334

Ion Ratio Lower Upper

117 100

119 4.9 74.5 111.7#

121 0.0 24.2 36.2#

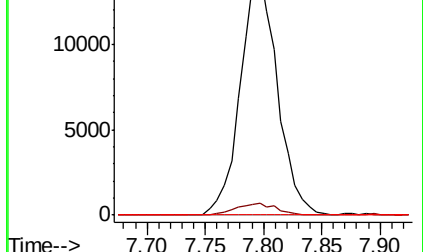
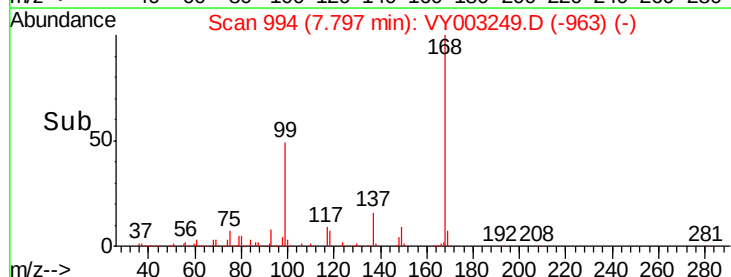


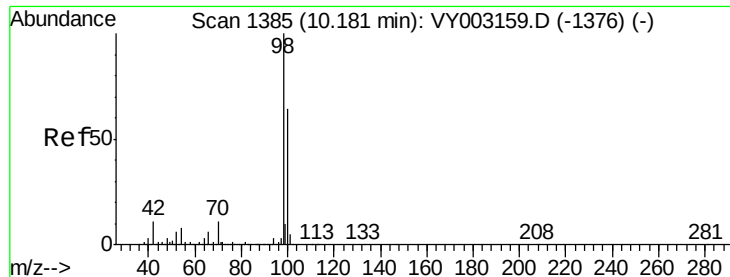
Abundance Ion 116.80 (116.50 to 117.50): VY003159.D (-1002) (-)

Ion 118.80 (118.50 to 119.50): VY003159.D (-1002) (-)

Ion 120.80 (120.50 to 121.50): VY003159.D (-1002) (-)

Time-->





#50

Toluene-d8

Concen: 55.021 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003249.D

Acq: 20 Jul 2020 21:57

Instrument :

MSVOA_Y

ClientSampleId :

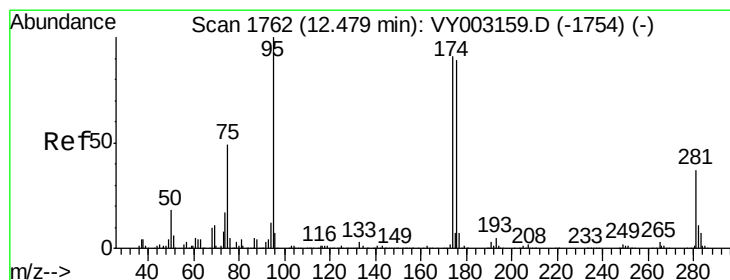
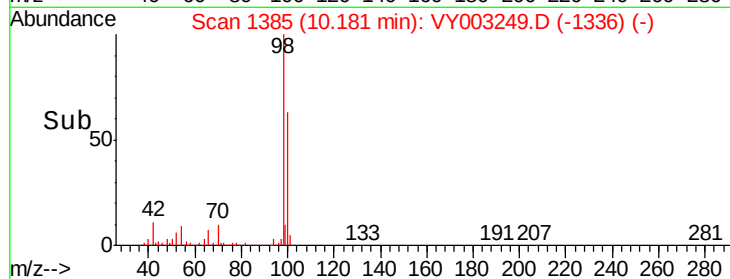
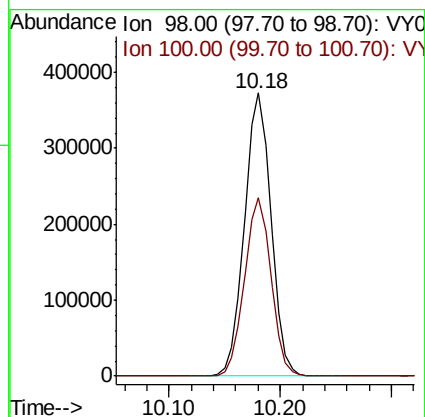
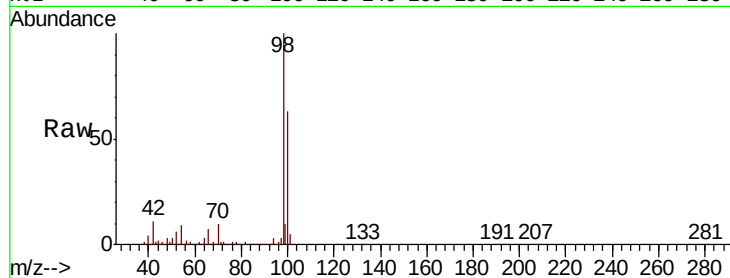
23

Tot Ion: 98 Resp: 619041

Ion Ratio Lower Upper

98 100

100 62.8 50.7 76.1



#62

4-Bromofluorobenzene

Concen: 43.917 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003249.D

Acq: 20 Jul 2020 21:57

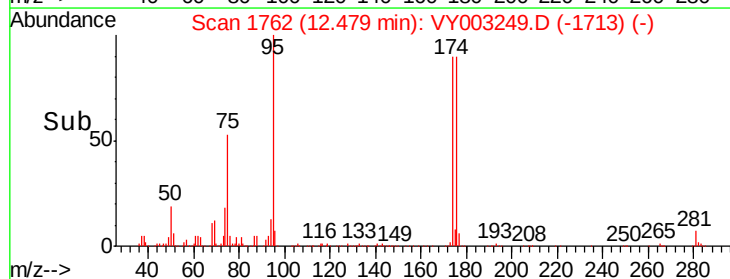
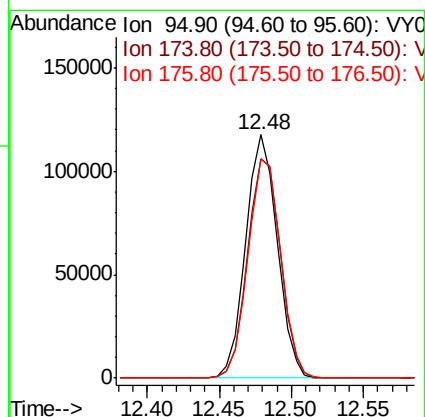
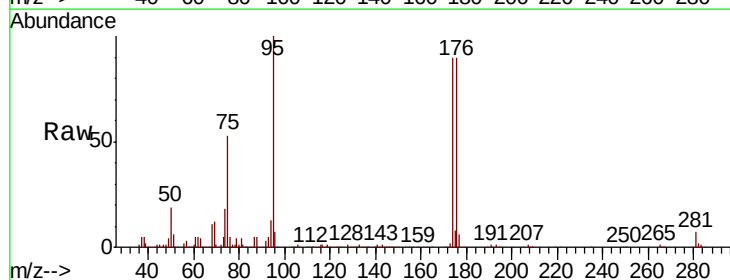
Tgt Ion: 95 Resp: 178502

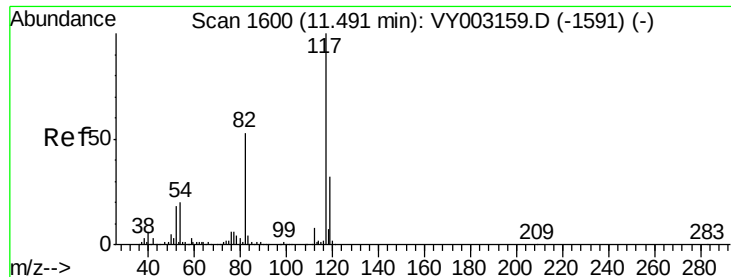
Ion Ratio Lower Upper

95 100

174 93.9 0.0 190.6

176 92.9 0.0 186.4

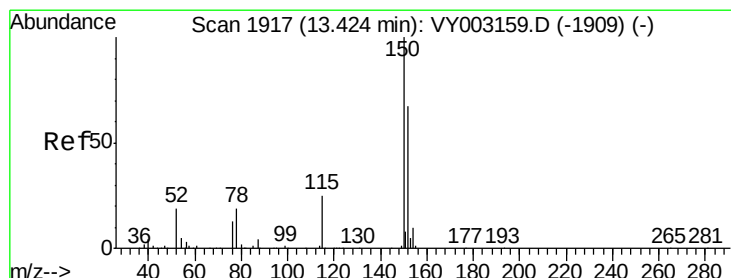
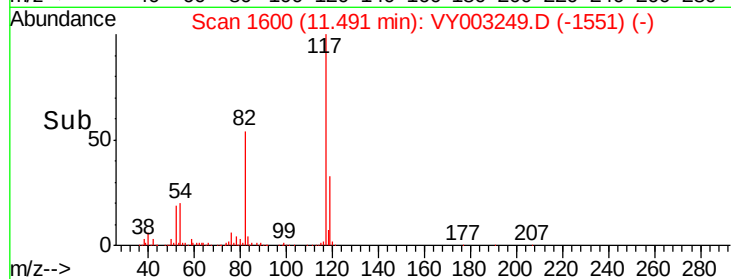
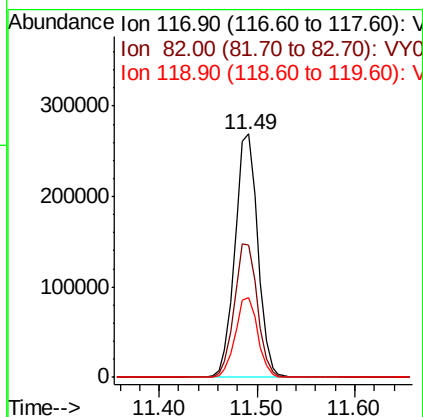
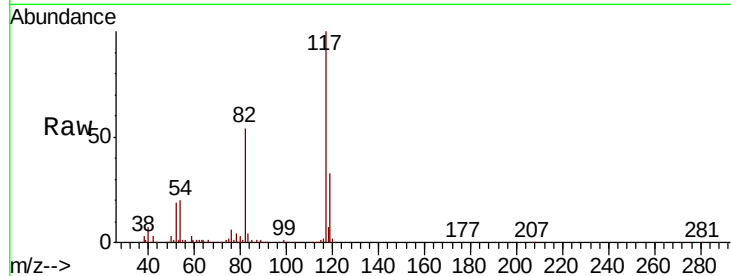




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003249.D
Acq: 20 Jul 2020 21:57

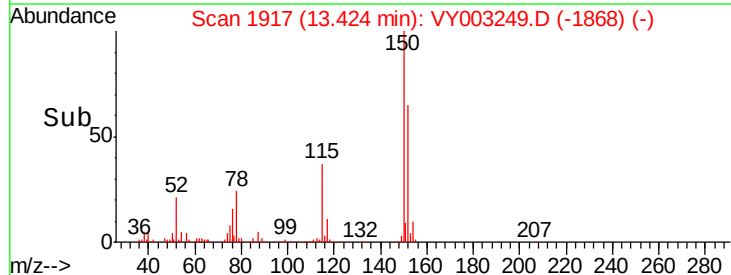
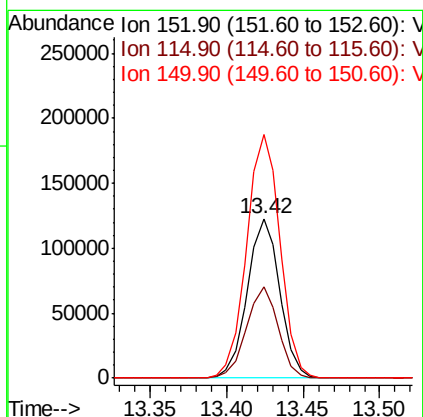
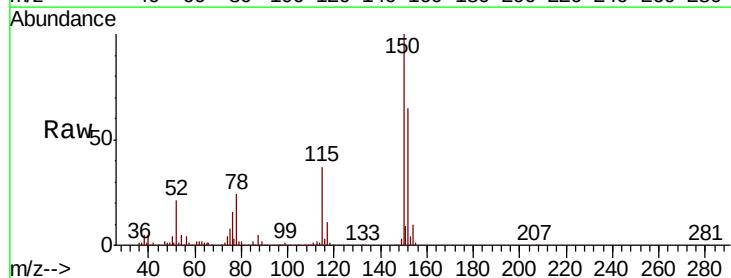
Instrument :
MSVOA_Y
ClientSampleId :
23

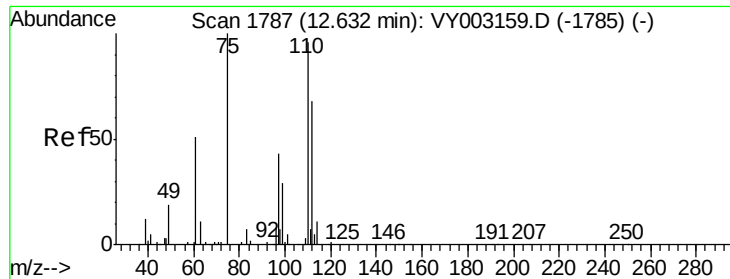
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.4	42.0	63.0
119	32.5	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003249.D
Acq: 20 Jul 2020 21:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.9	26.9	80.7
150	157.1	0.0	338.0





#76

1,2,3-Trichloropropane

Concen: 58.296 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003249.D

Acq: 20 Jul 2020 21:57

Instrument :

MSVOA_Y

ClientSampleId :

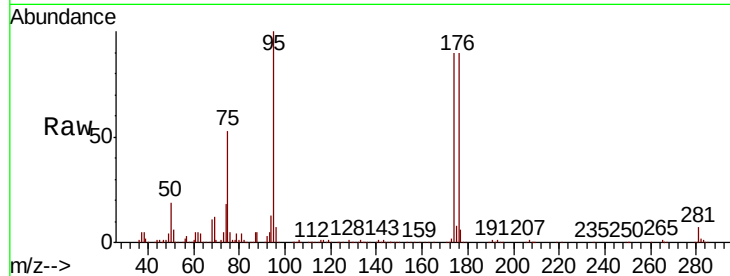
23

Tot Ion: 75 Resp: 93384

Ion Ratio Lower Upper

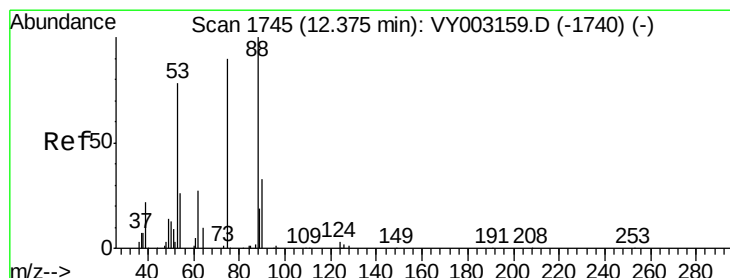
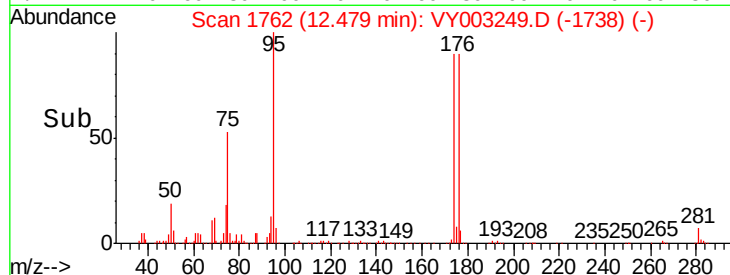
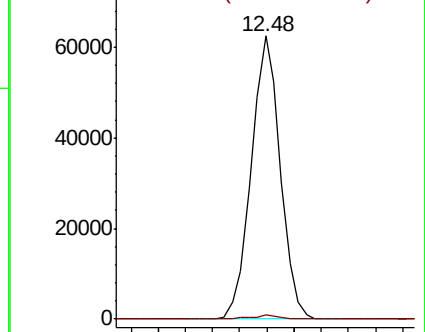
75 100

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



#81

trans-1,4-Dichloro-2-butene

Concen: 113.456 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003249.D

Acq: 20 Jul 2020 21:57

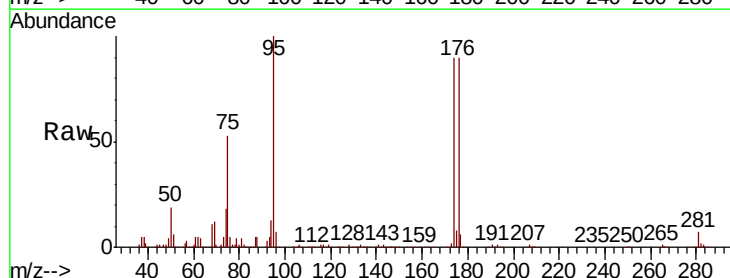
Tgt Ion: 75 Resp: 93384

Ion Ratio Lower Upper

75 100

53 0.1 72.0 108.0#

89 0.0 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

