

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY071620\
 Data File : VY003221.D
 Acq On : 16 Jul 2020 19:45
 Operator : SY/MD
 Sample : L3308-14
 Misc : 5.04G/5ML/MSVOA Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 14RE

Quant Time: Jul 17 05:22:56 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	271580	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	414474	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	343506	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	142312	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	152612	66.58	ug/l	0.00
Spiked Amount			Recovery	=	133.16%	
35) Dibromofluoromethane	7.72	113	147464	61.82	ug/l	0.00
Spiked Amount			Recovery	=	123.64%	
50) Toluene-d8	10.18	98	538088	60.68	ug/l	0.00
Spiked Amount			Recovery	=	121.36%	
62) 4-Bromofluorobenzene	12.48	95	153091	47.79	ug/l	0.00
Spiked Amount			Recovery	=	95.58%	

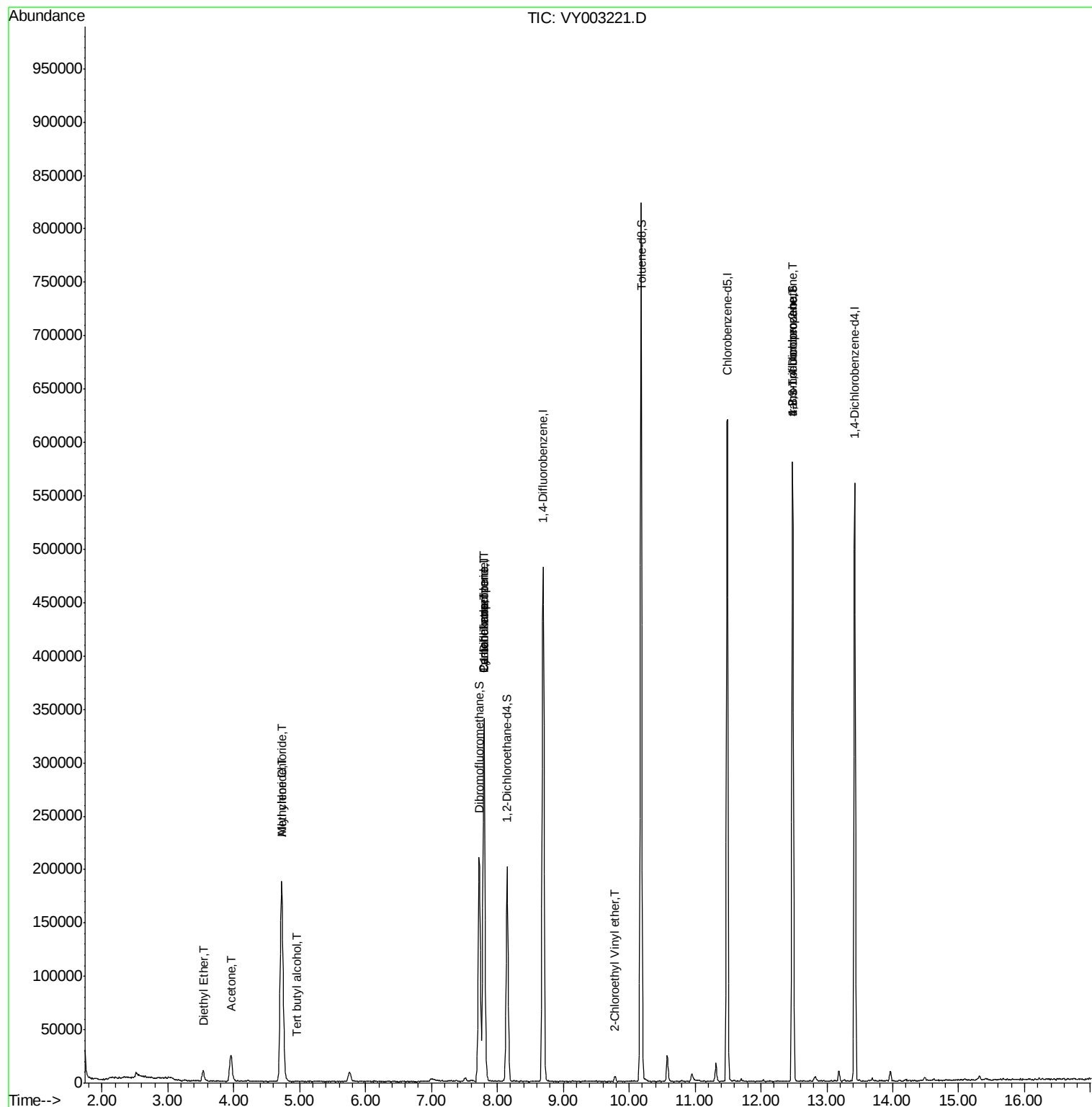
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.54	74	5803	4.377	ug/l	81
11) Tert butyl alcohol	4.96	59	270	1.089	ug/l #	72
14) Allyl chloride	4.73	41	6165	1.838	ug/l #	24
16) Acetone	3.96	43	42630	83.259	ug/l	98
20) Methylene Chloride	4.72	84	142439	55.945	ug/l	94
31) Cyclohexane	7.80	56	5501	1.319	ug/l #	24
36) 1,1-Dichloropropene	7.80	75	20381	5.426	ug/l #	50
38) Carbon Tetrachloride	7.80	117	25342	6.535	ug/l #	19
58) 2-Chloroethyl Vinyl ether	9.78	63	2097	1.365	ug/l	95
76) 1,2,3-Trichloropropane	12.48	75	81470	64.674	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	81470	125.868	ug/l #	13

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY071620\
Data File : VY003221.D
Acq On : 16 Jul 2020 19:45
Operator : SY/MD
Sample : L3308-14
Misc : 5.04G/5ML/MSVOA Y/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
14RE

Quant Time: Jul 17 05:22:56 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
Quant Title : SW846 8260
QLast Update : Fri Jul 10 13:18:03 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: VY003221.D

Acq: 16 Jul 2020 19:45

Instrument :

MSVOA_Y

ClientSampleId :

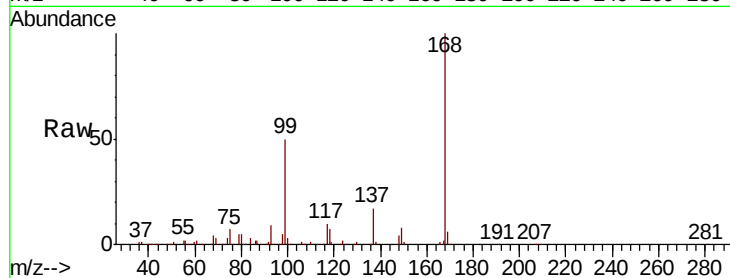
14RE

Tot Ion:168 Resp: 271580

Ion Ratio Lower Upper

168 100

99 50.5 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003221.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003221.D (-945) (-)

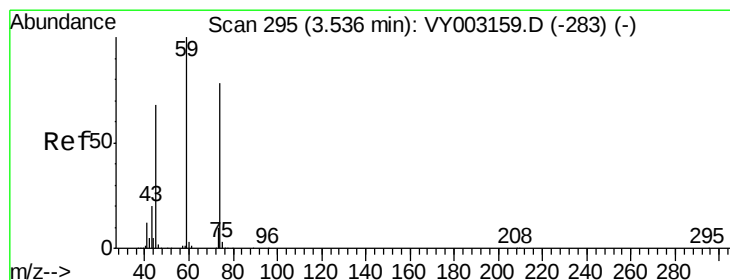
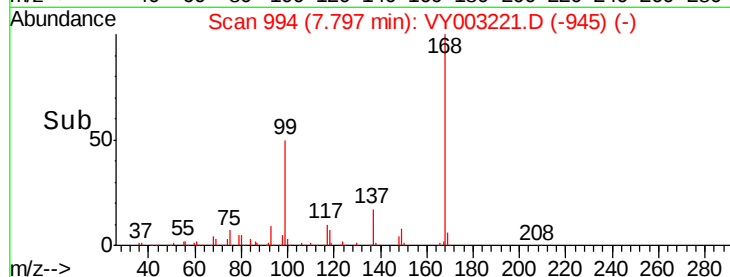
7.80

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 4.377 ug/l

RT: 3.54 min Scan# 295

Delta R.T. -0.00 min

Lab File: VY003221.D

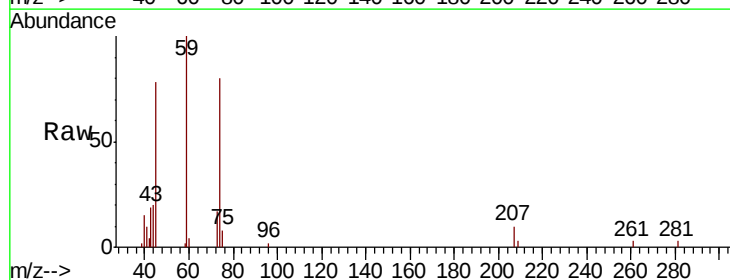
Acq: 16 Jul 2020 19:45

Tgt Ion: 74 Resp: 5803

Ion Ratio Lower Upper

74 100

45 108.3 45.3 135.8



Abundance Ion 74.00 (73.70 to 74.70): VY003221.D (-246) (-)

Ion 45.00 (44.70 to 45.70): VY003221.D (-246) (-)

3000

2500

2000

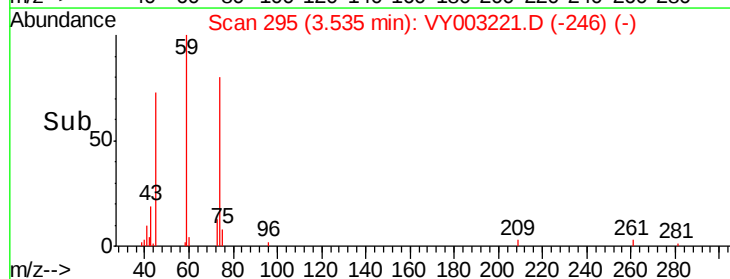
1500

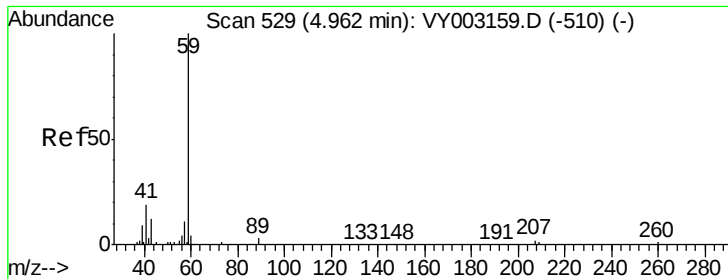
1000

500

0

Time-->



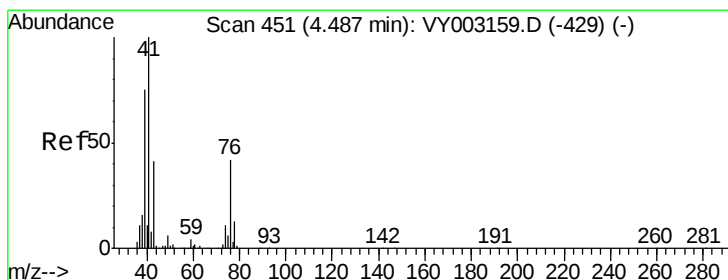
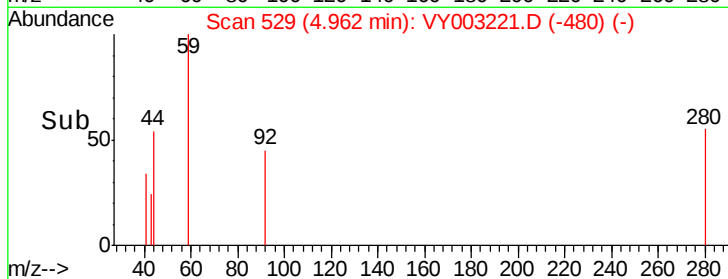
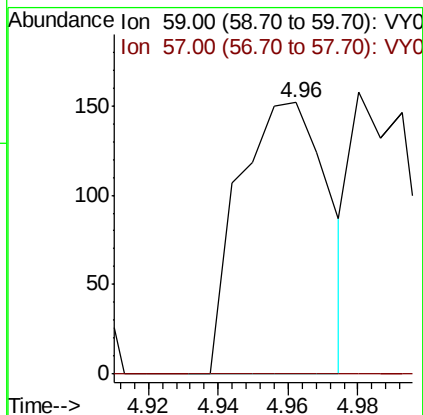
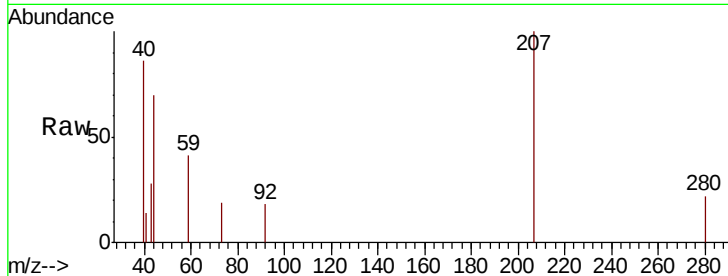


#11

Tert butyl alcohol
 Concen: 1.089 ug/l
 RT: 4.96 min Scan# 529
 Delta R.T. -0.00 min
 Lab File: VY003221.D
 Acq: 16 Jul 2020 19:45

Instrument :
 MSVOA_Y
 ClientSampled :
 14RE

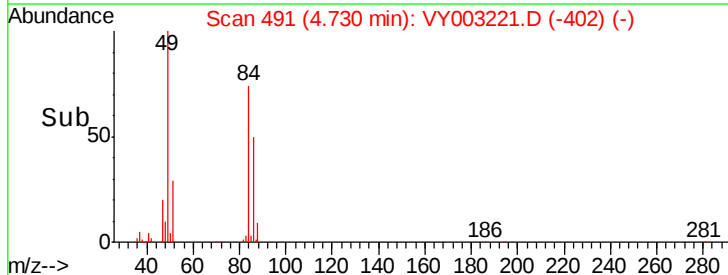
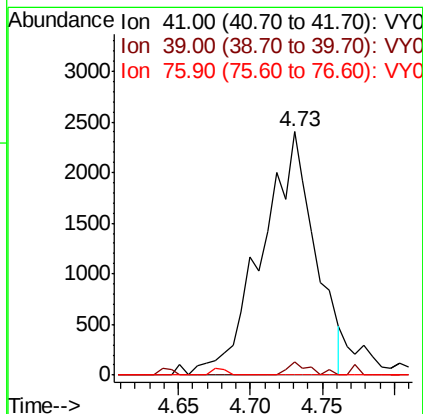
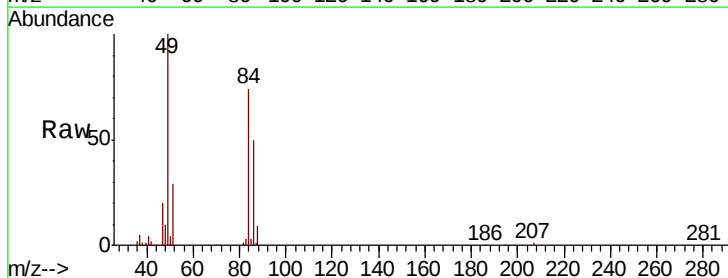
Tot Ion: 59 Resp: 270
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

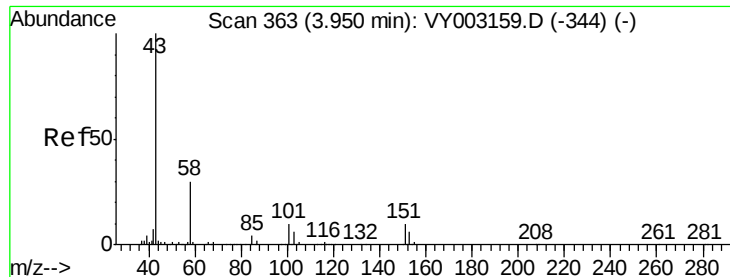


#14

Allyl chloride
 Concen: 1.838 ug/l
 RT: 4.73 min Scan# 491
 Delta R.T. 0.24 min
 Lab File: VY003221.D
 Acq: 16 Jul 2020 19:45

Tgt Ion: 41 Resp: 6165
 Ion Ratio Lower Upper
 41 100
 39 2.3 56.6 85.0#
 76 0.0 31.6 47.4#





#16

Acetone

Concen: 83.259 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY003221.D

Acq: 16 Jul 2020 19:45

Instrument :

MSVOA_Y

ClientSampleId :

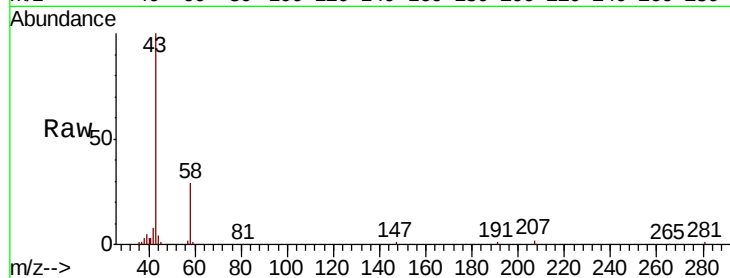
14RE

Tot Ion: 43 Resp: 42630

Ion Ratio Lower Upper

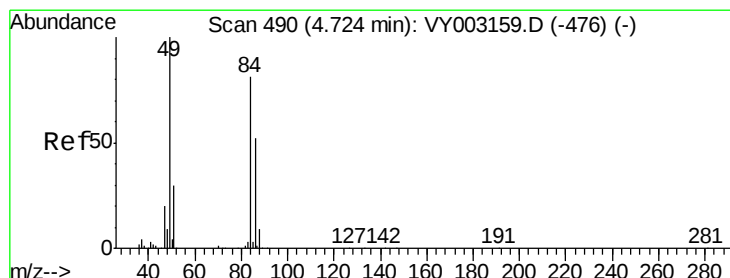
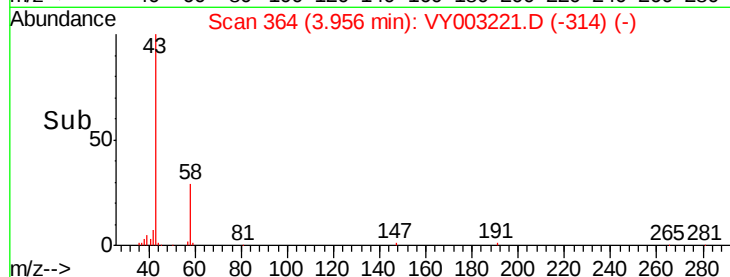
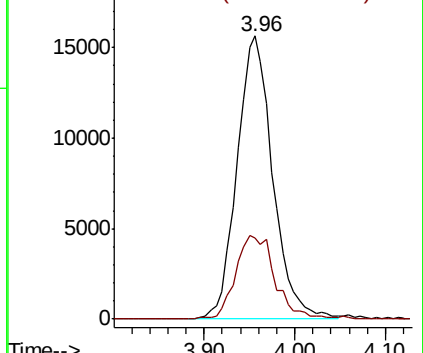
43 100

58 28.6 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VY003159.D (-344) (-)

Ion 58.00 (57.70 to 58.70): VY003159.D (-344) (-)



#20

Methylene Chloride

Concen: 55.945 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY003221.D

Acq: 16 Jul 2020 19:45

Tgt Ion: 84 Resp: 142439

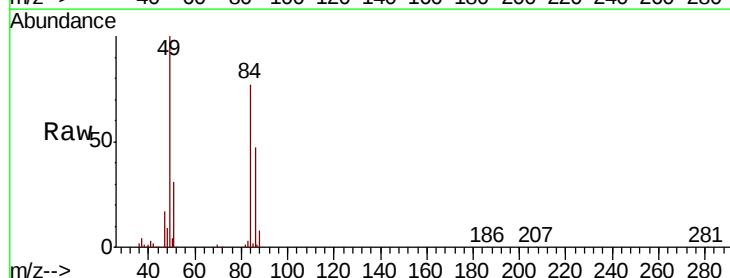
Ion Ratio Lower Upper

84 100

49 130.5 98.2 147.4

51 39.9 29.8 44.6

86 61.2 51.2 76.8

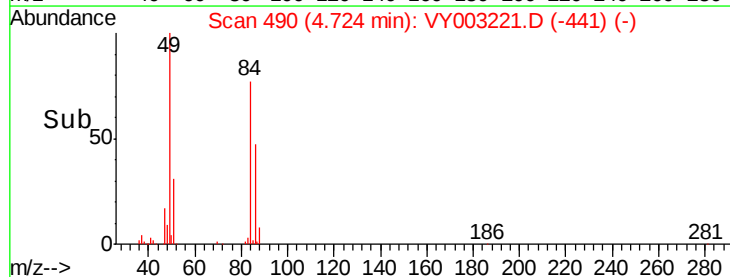
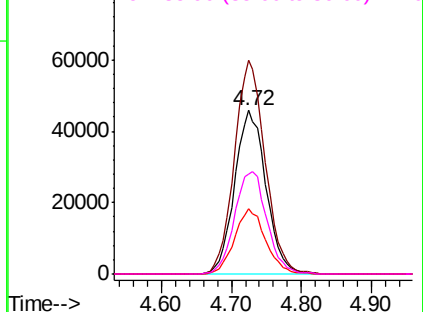


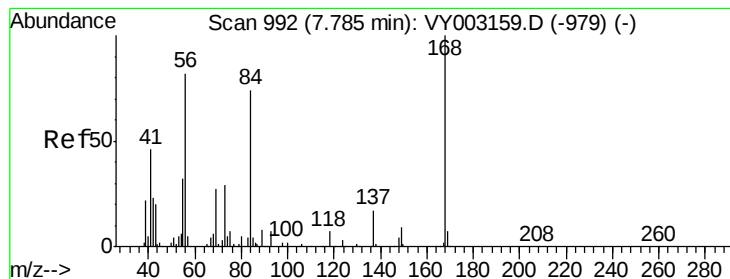
Abundance Ion 83.90 (83.60 to 84.60): VY003159.D (-476) (-)

Ion 48.90 (48.60 to 49.60): VY003159.D (-476) (-)

Ion 50.90 (50.60 to 51.60): VY003159.D (-476) (-)

Ion 85.90 (85.60 to 86.60): VY003159.D (-476) (-)





#31

Cyclohexane

Concen: 1.319 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.02 min

Lab File: VY003221.D

Acq: 16 Jul 2020 19:45

Instrument :

MSVOA_Y

ClientSampled :

14RE

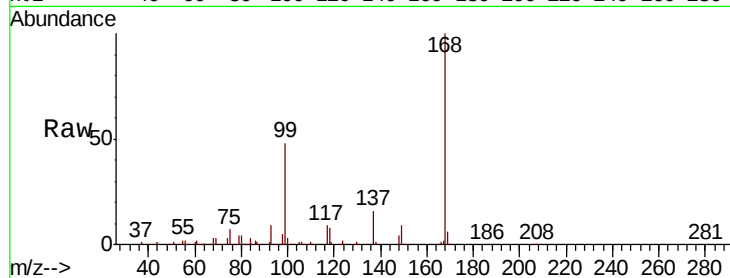
Tot Ion: 56 Resp: 5501

Ion Ratio Lower Upper

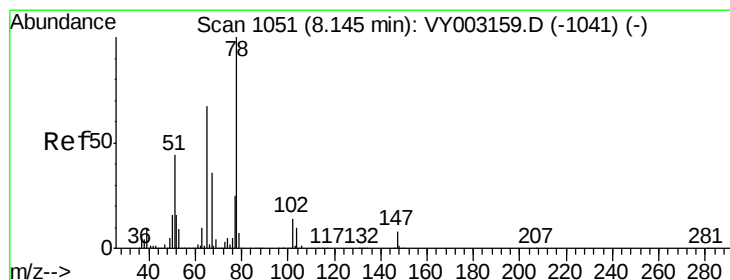
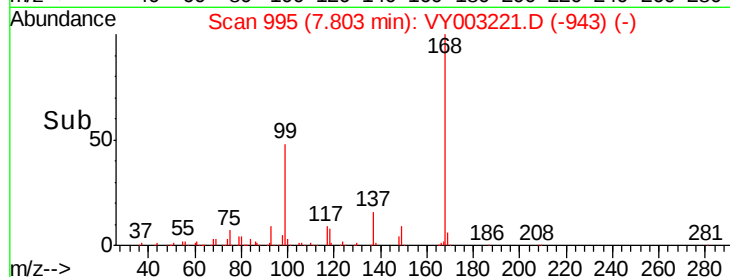
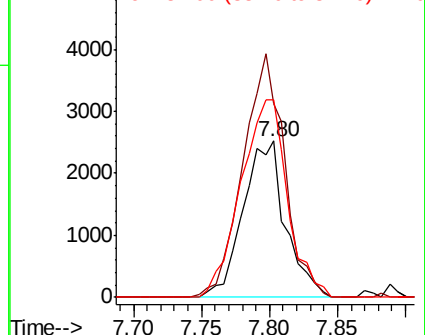
56 100

69 124.3 26.7 40.1#

84 133.3 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: 66.578 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VY003221.D

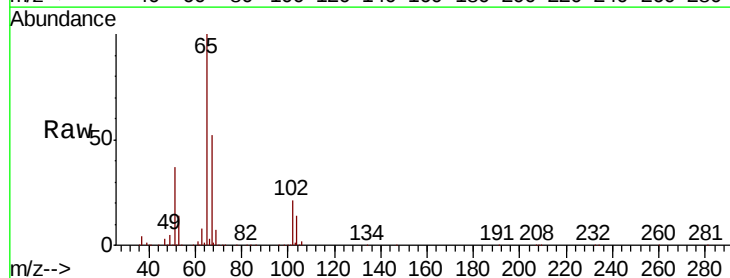
Acq: 16 Jul 2020 19:45

Tgt Ion: 65 Resp: 152612

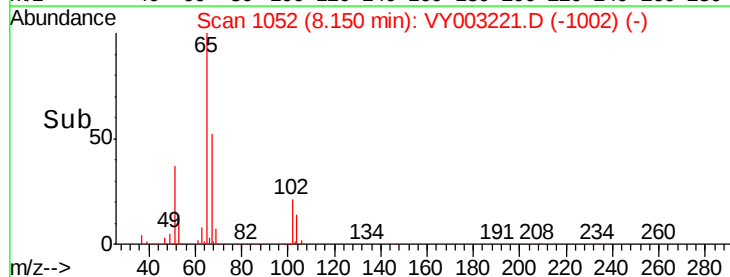
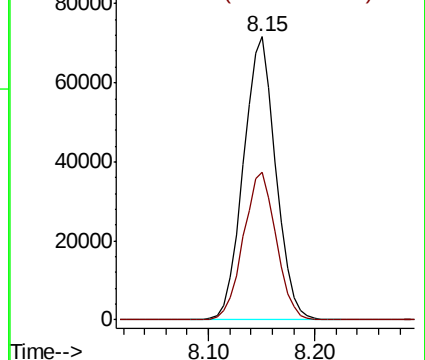
Ion Ratio Lower Upper

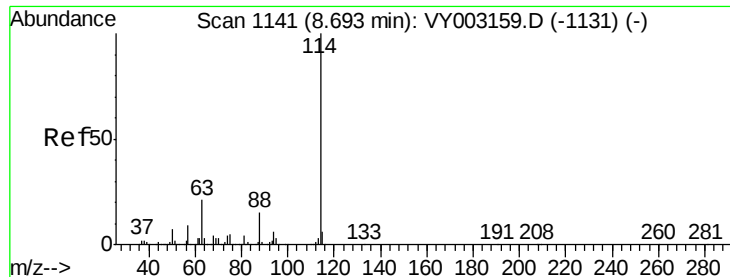
65 100

67 53.0 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0

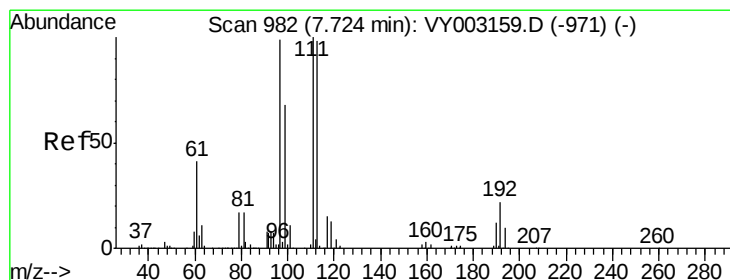
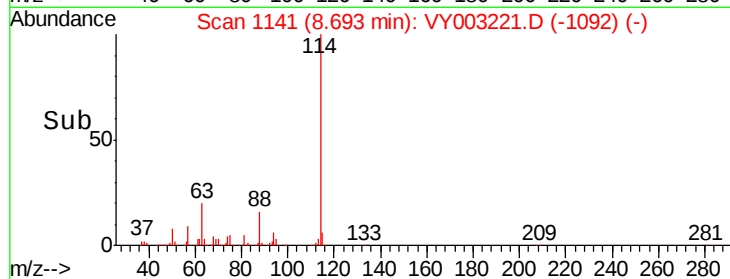
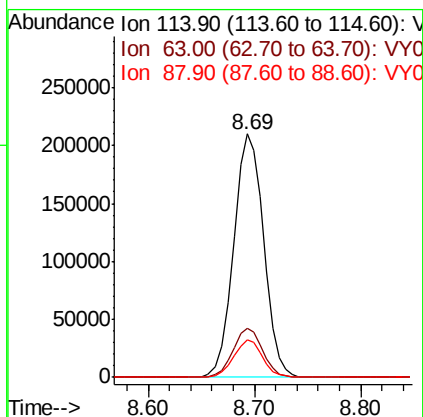
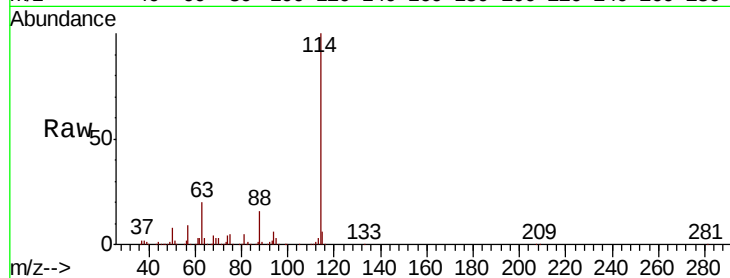




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003221.D
 Acq: 16 Jul 2020 19:45

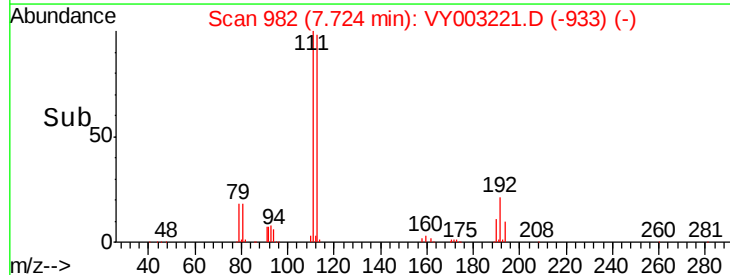
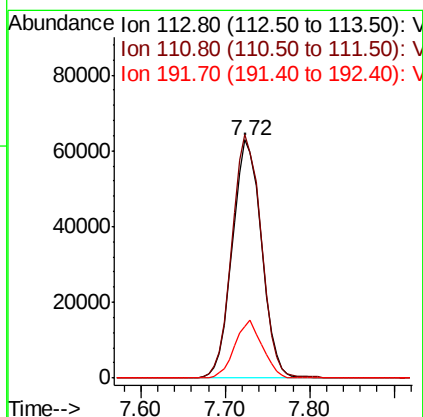
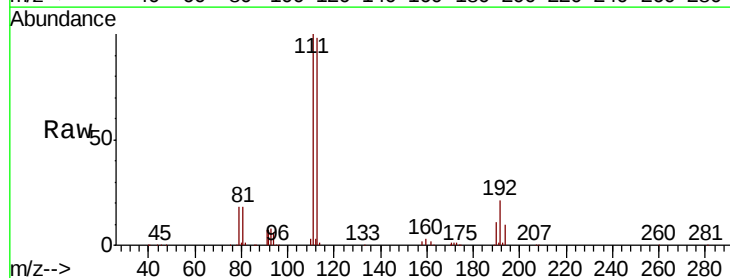
Instrument :
 MSVOA_Y
 ClientSampled :
 14RE

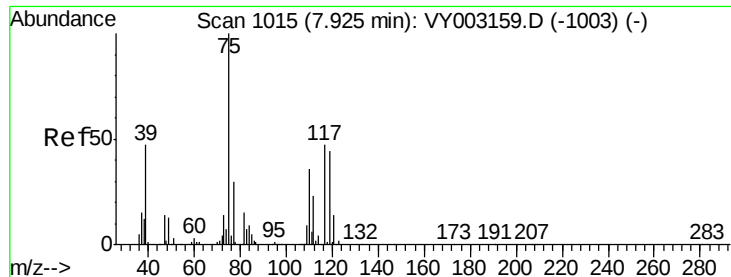
Tot Ion:114 Resp: 414474
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 41.2
 88 15.7 0.0 30.2



#35
 Dibromofluoromethane
 Concen: 61.825 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VY003221.D
 Acq: 16 Jul 2020 19:45

Tgt Ion:113 Resp: 147464
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.1 123.1
 192 23.0 18.8 28.2

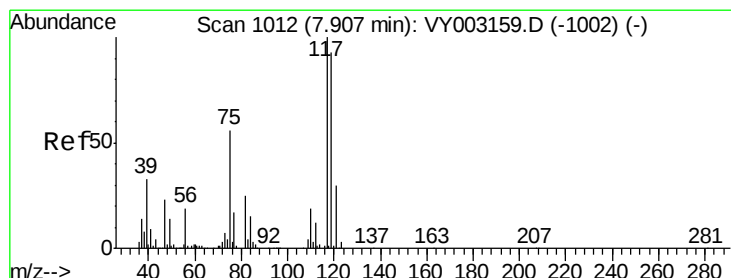
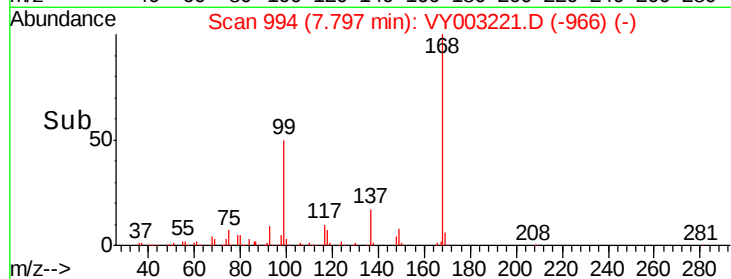
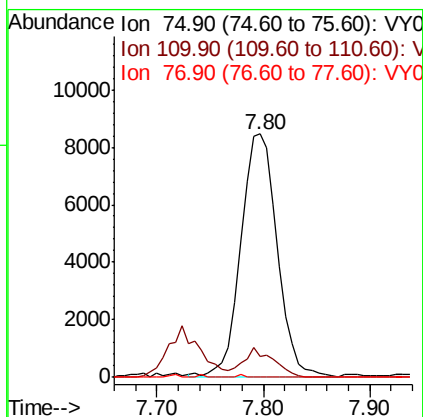
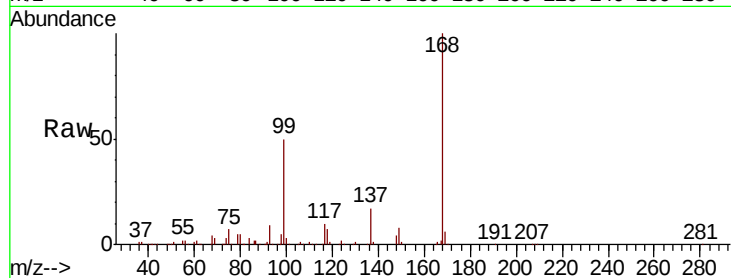




#36
 1,1-Dichloropropene
 Concen: 5.426 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY003221.D
 Acq: 16 Jul 2020 19:45

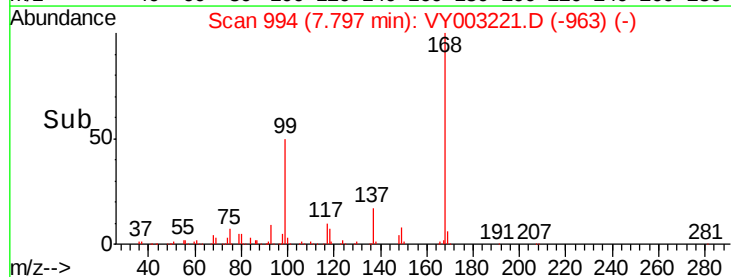
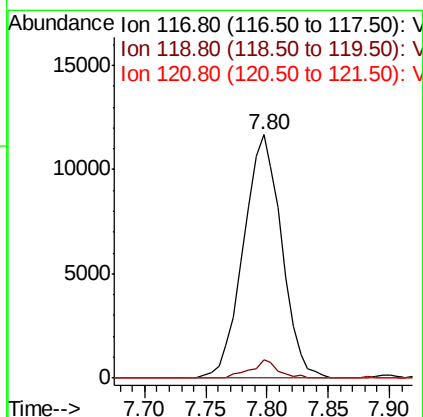
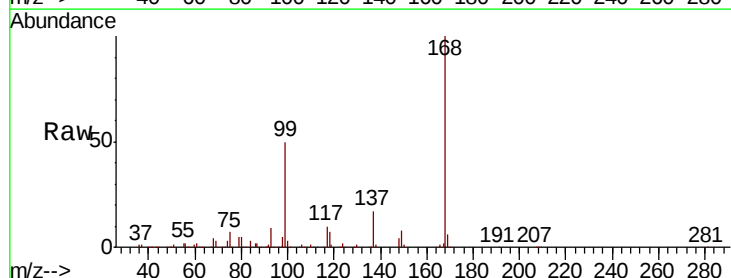
Instrument :
 MSVOA_Y
 ClientSampled :
 14RE

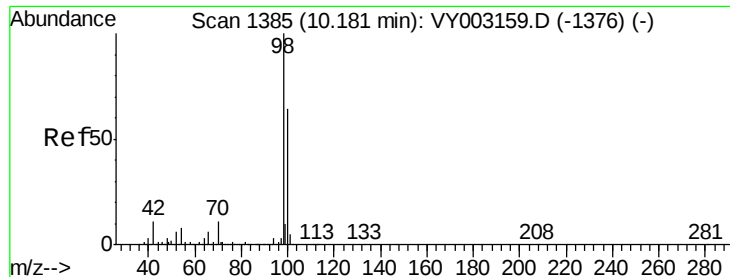
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.9	18.1	54.1#
77	0.2	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.535 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.11 min
 Lab File: VY003221.D
 Acq: 16 Jul 2020 19:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.7	74.5	111.7#
121	0.0	24.2	36.2#





#50

Toluene-d8

Concen: 60.679 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003221.D

Acq: 16 Jul 2020 19:45

Instrument :

MSVOA_Y

ClientSampleId :

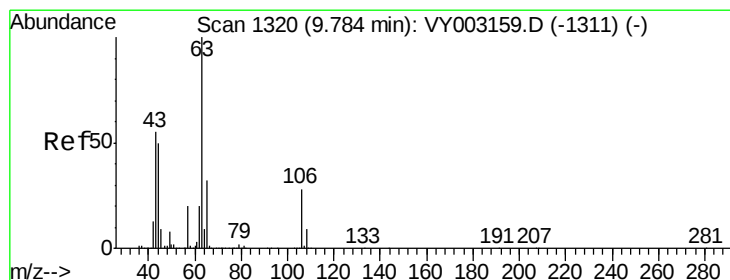
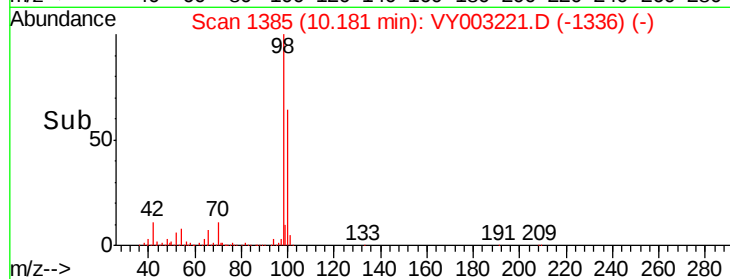
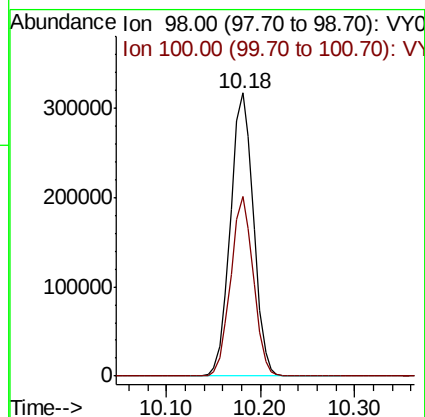
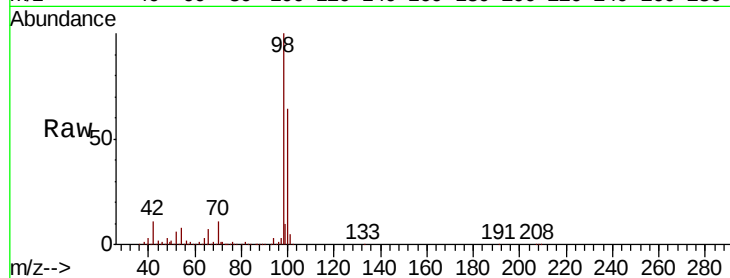
14RE

Tot Ion: 98 Resp: 538088

Ion Ratio Lower Upper

98 100

100 62.6 50.7 76.1



#58

2-Chloroethyl Vinyl ether

Concen: 1.365 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VY003221.D

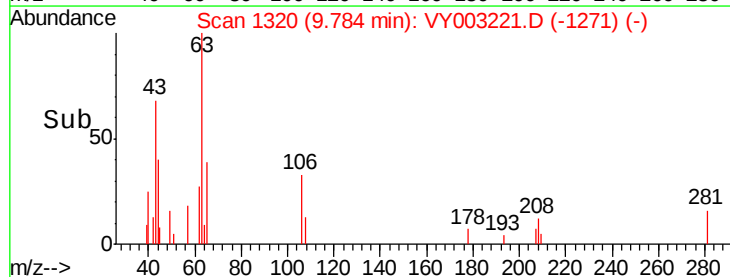
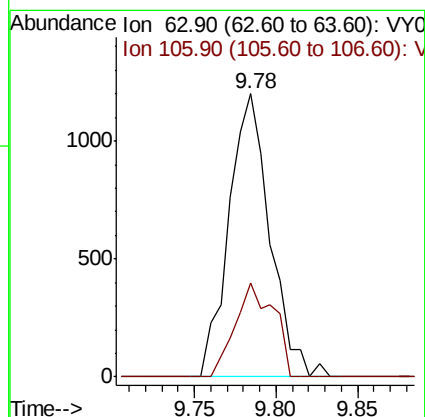
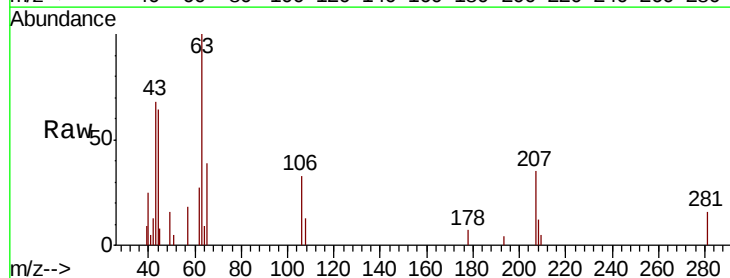
Acq: 16 Jul 2020 19:45

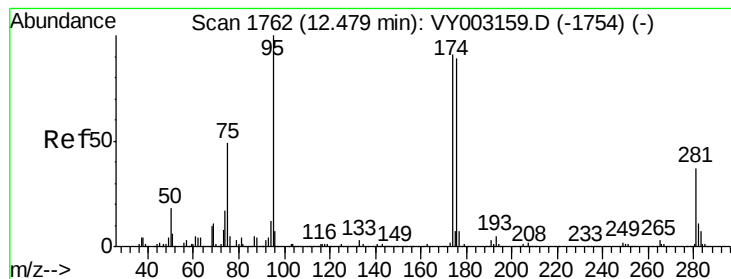
Tgt Ion: 63 Resp: 2097

Ion Ratio Lower Upper

63 100

106 31.3 22.9 34.3





#62

4-Bromofluorobenzene

Concen: 47.788 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003221.D

Acq: 16 Jul 2020 19:45

Instrument :

MSVOA_Y

ClientSampleId :

14RE

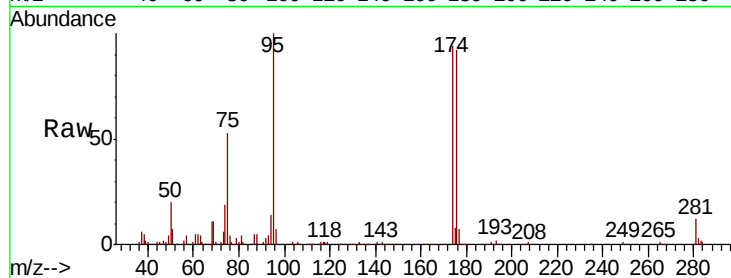
Tot Ion: 95 Resp: 153091

Ion Ratio Lower Upper

95 100

174 95.3 0.0 190.6

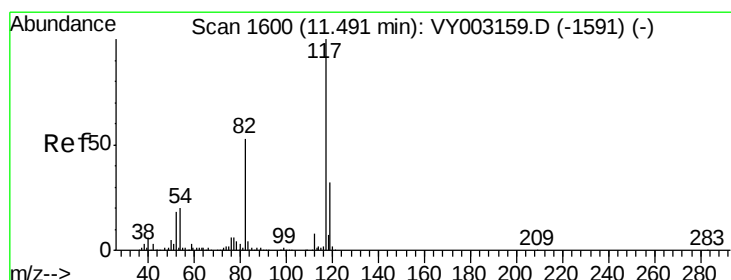
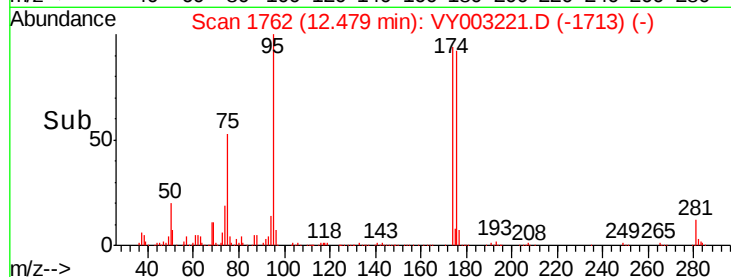
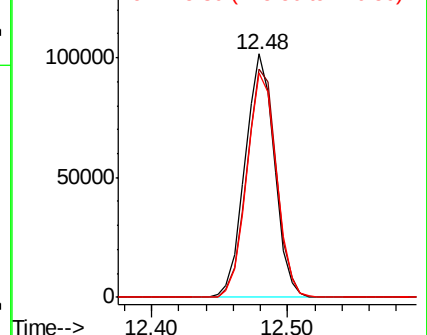
176 93.2 0.0 186.4



Abundance Ion 94.90 (94.60 to 95.60): VY003221.D (-1754) (-)

Ion 173.80 (173.50 to 174.50): VY003221.D (-1754) (-)

Ion 175.80 (175.50 to 176.50): VY003221.D (-1754) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VY003221.D

Acq: 16 Jul 2020 19:45

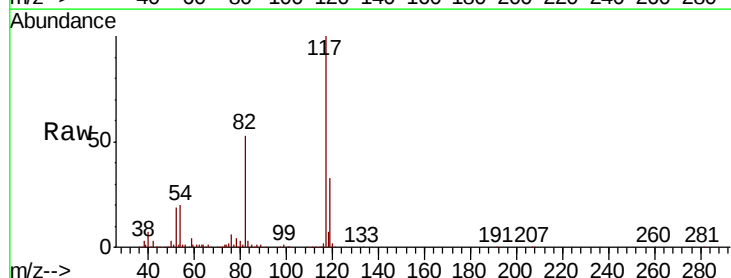
Tgt Ion: 117 Resp: 343506

Ion Ratio Lower Upper

117 100

82 53.3 42.0 63.0

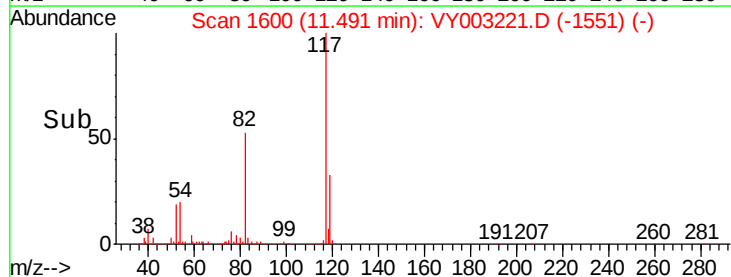
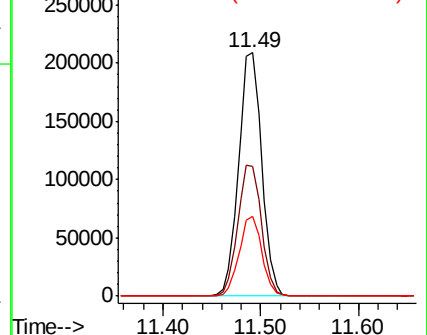
119 33.0 25.5 38.3

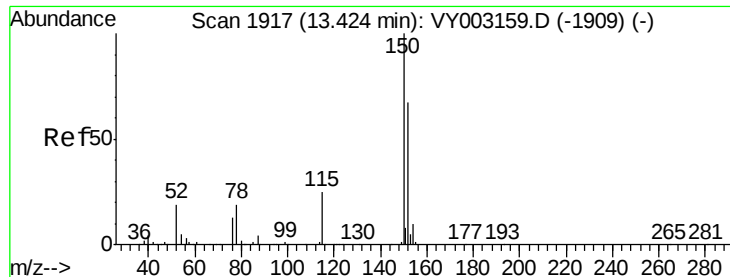


Abundance Ion 116.90 (116.60 to 117.60): VY003221.D (-1551) (-)

Ion 82.00 (81.70 to 82.70): VY003221.D (-1551) (-)

Ion 118.90 (118.60 to 119.60): VY003221.D (-1551) (-)



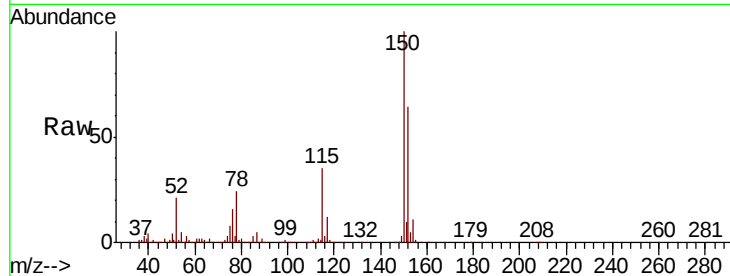


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003221.D
Acq: 16 Jul 2020 19:45

Instrument :
MSVOA_Y
ClientSampleId :
14RE

Tot Ion	Ratio	Lower	Upper
152	100		
115	56.5	26.9	80.7
150	155.2	0.0	338.0

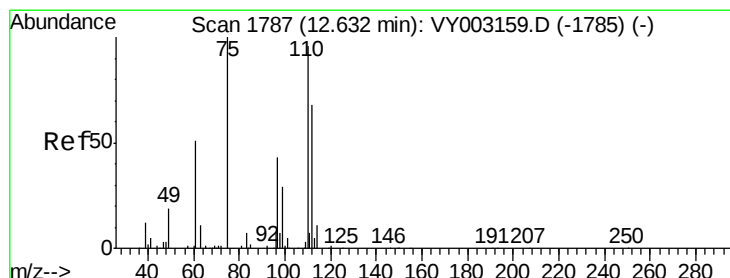
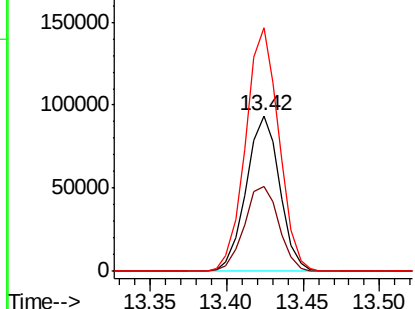
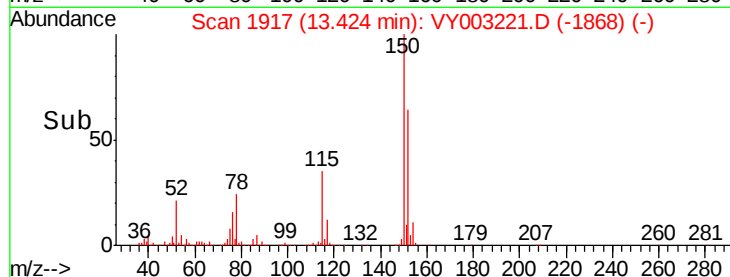


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

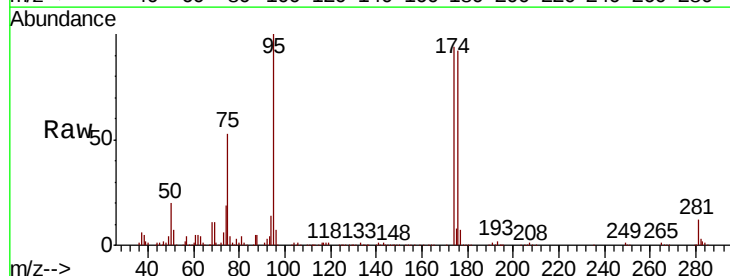
Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane
Concen: 64.674 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY003221.D
Acq: 16 Jul 2020 19:45

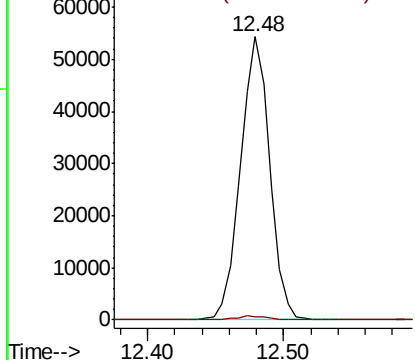
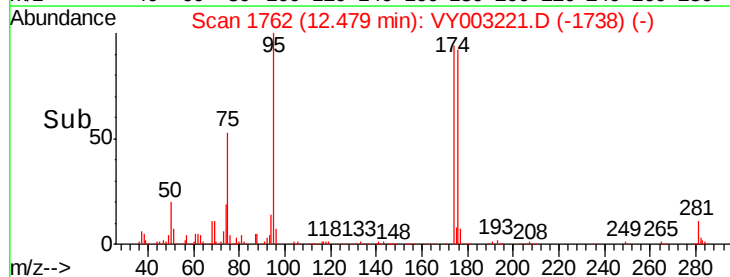
Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	0.0	0.0

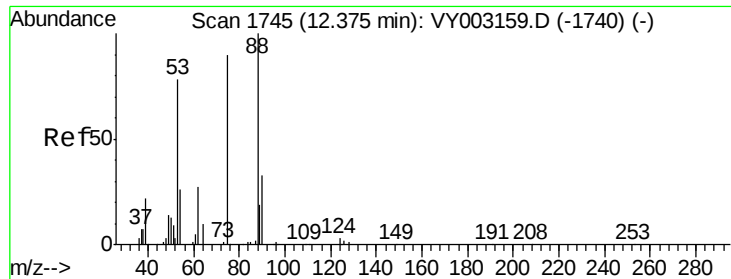


Abundance

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: 125.868 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003221.D

Acq: 16 Jul 2020 19:45

Instrument :

MSVOA_Y

ClientSampleId :

14RE

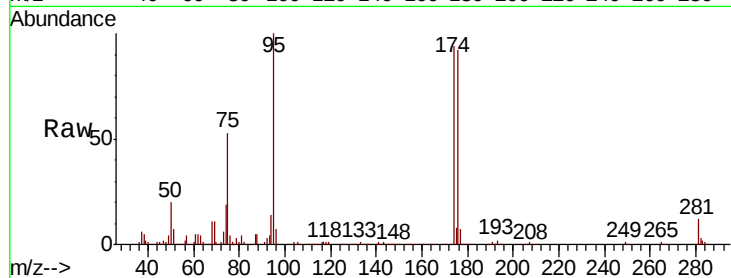
Tot Ion: 75 Resp: 81470

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

89 0.2 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

