

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112020\
 Data File : VY003579.D
 Acq On : 20 Nov 2020 19:31
 Operator : SY/MD
 Sample : L4838-01
 Misc : 4.59G/5ML/MSVOA Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 21 01:55:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112020S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 21 01:00:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	84608	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	210712	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	203069	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	91751	50.00	ug/l	0.00

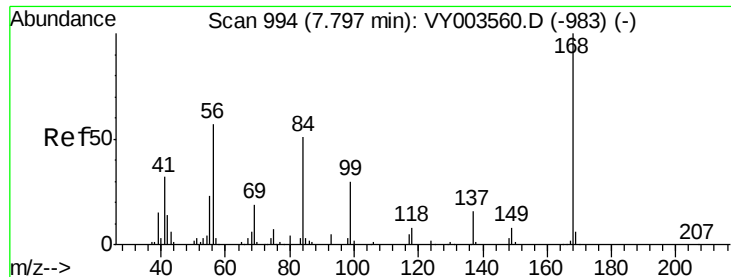
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	73232	83.36	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	166.72%#
35) Dibromofluoromethane	7.72	113	75924	54.82	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.64%
50) Toluene-d8	10.18	98	261331	48.52	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.04%
62) 4-Bromofluorobenzene	12.48	95	82230	48.11	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	96.22%

Target Compounds

					Qvalue	
11) Tert butyl alcohol	5.01	59	148	2.229	ug/l #	100
16) Acetone	4.00	43	1238	4.221	ug/l	89
20) Methylene Chloride	4.72	84	11703	7.581	ug/l	97
25) 2-Butanone	6.99	43	563	1.479	ug/l #	50
31) Cyclohexane	7.80	56	1957	1.541	ug/l #	39
36) 1,1-Dichloropropene	7.79	75	6042	2.913	ug/l #	48
38) Carbon Tetrachloride	7.80	117	7576	3.942	ug/l #	18
76) 1,2,3-Trichloropropane	12.48	75	42541	47.825	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	42541	76.027	ug/l #	14

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY003579.D

Acq: 20 Nov 2020 19:31

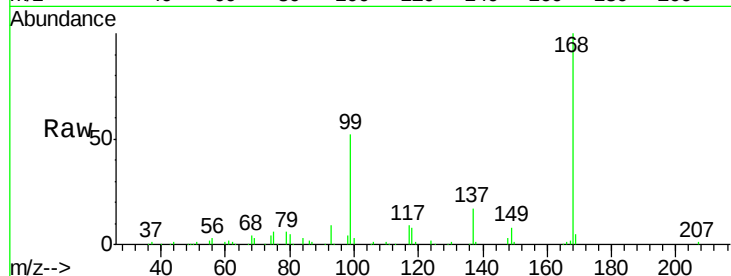
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 84608

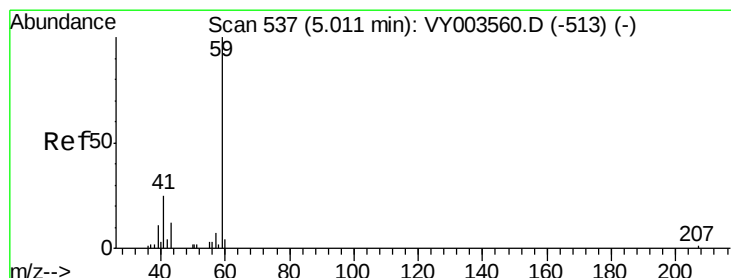
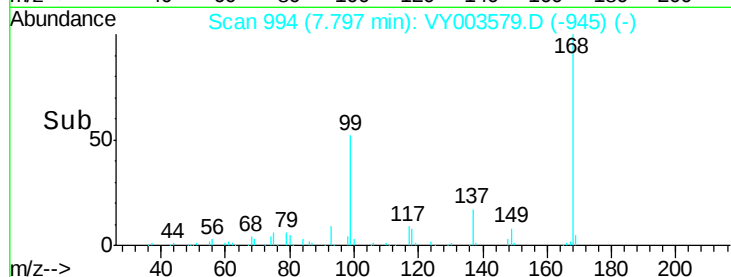
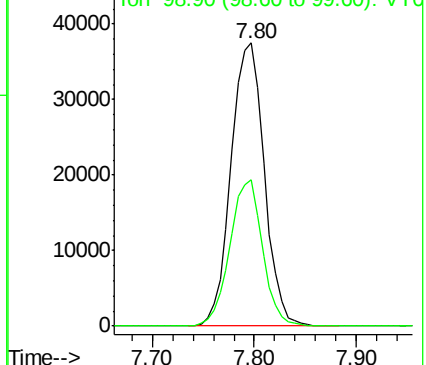
Ion Ratio Lower Upper

168 100

99 51.7 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): VY003579.D (-945) (-)



#11

Tert butyl alcohol

Concen: 2.229 ug/l

RT: 5.01 min Scan# 537

Delta R.T. -0.00 min

Lab File: VY003579.D

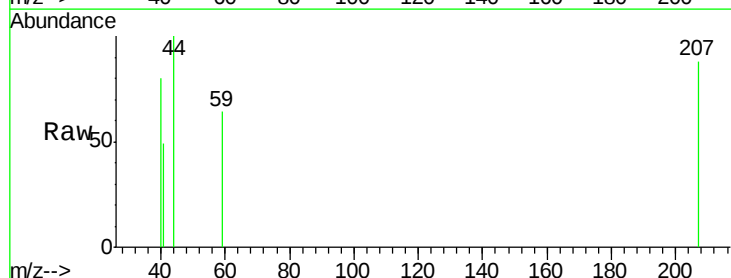
Acq: 20 Nov 2020 19:31

Tgt Ion: 59 Resp: 148

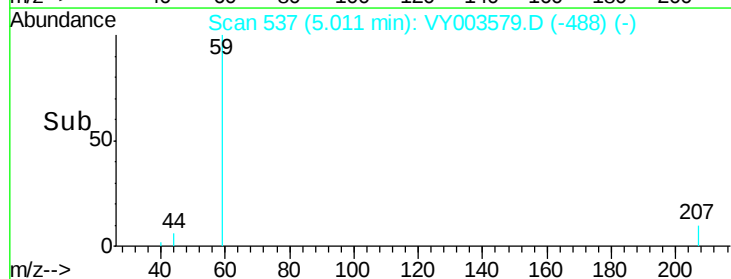
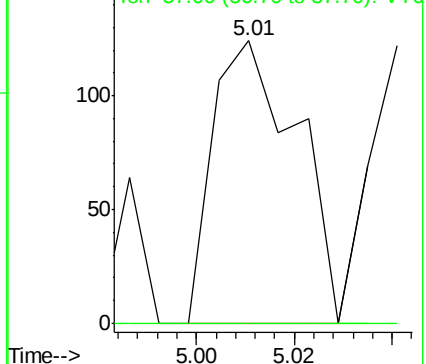
Ion Ratio Lower Upper

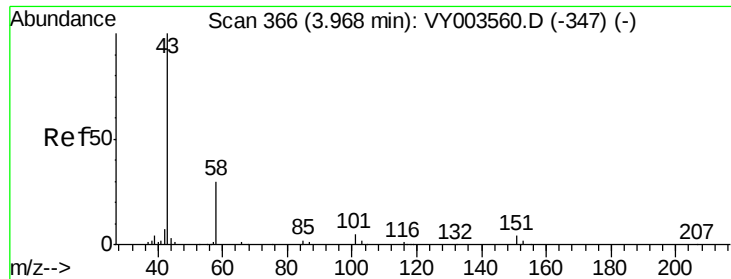
59 100

57 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VY003579.D (-488) (-)





#16

Acetone

Concen: 4.221 ug/l

RT: 4.00 min Scan# 371

Delta R.T. 0.03 min

Lab File: VY003579.D

Acq: 20 Nov 2020 19:31

Instrument :

MSVOA_Y

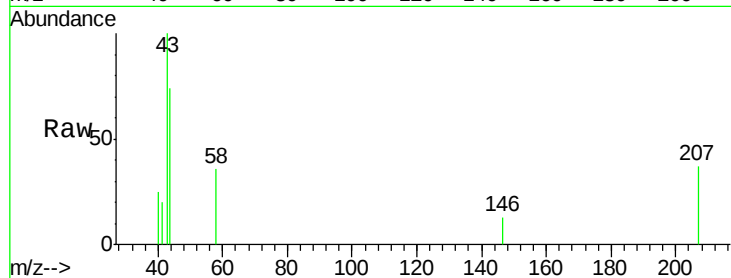
ClientSampleId :

Tot Ion: 43 Resp: 1238

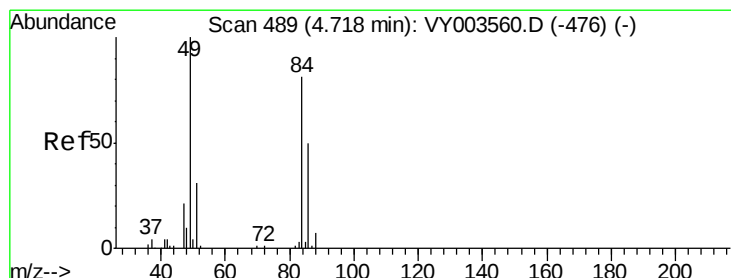
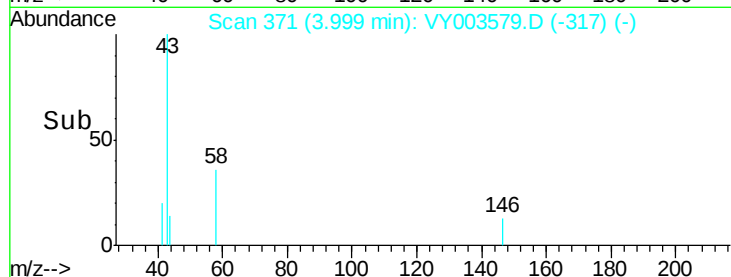
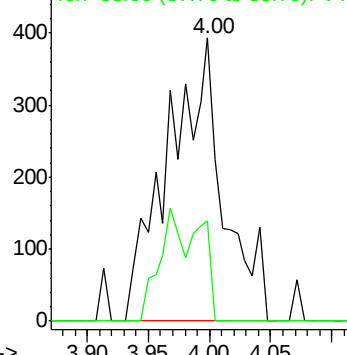
Ion Ratio Lower Upper

43 100

58 35.6 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VY003560.D (-347) (-)



#20

Methylene Chloride

Concen: 7.581 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.01 min

Lab File: VY003579.D

Acq: 20 Nov 2020 19:31

Tgt Ion: 84 Resp: 11703

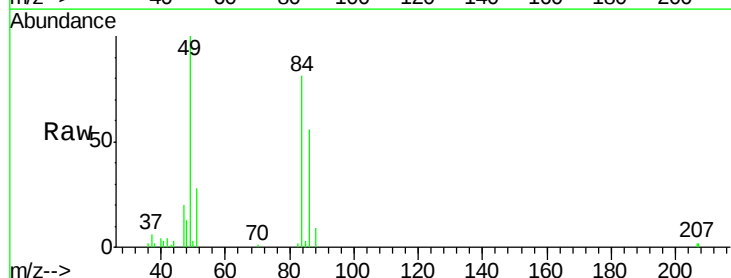
Ion Ratio Lower Upper

84 100

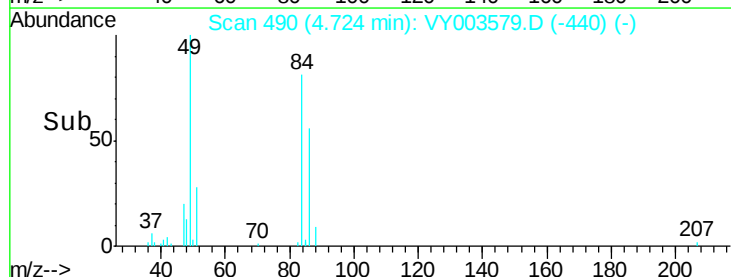
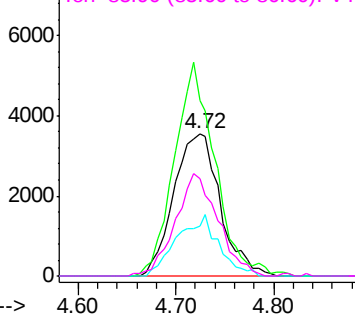
49 123.2 99.0 148.6

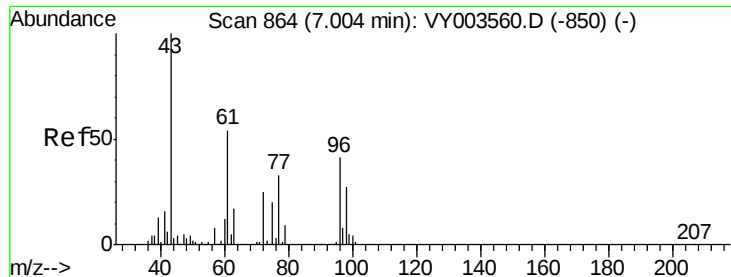
51 34.7 30.5 45.7

86 67.0 49.9 74.9



Abundance Ion 83.90 (83.60 to 84.60): VY003560.D (-476) (-)





#25

2-Butanone

Concen: 1.479 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY003579.D

Acq: 20 Nov 2020 19:31

Instrument :

MSVOA_Y

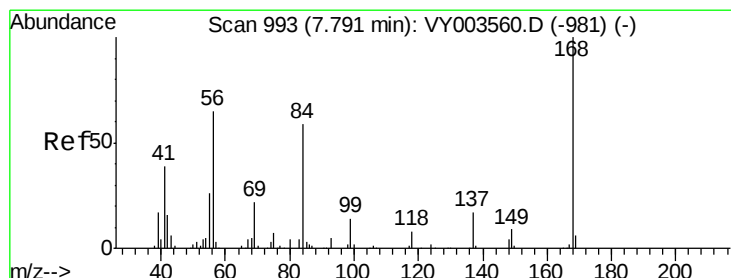
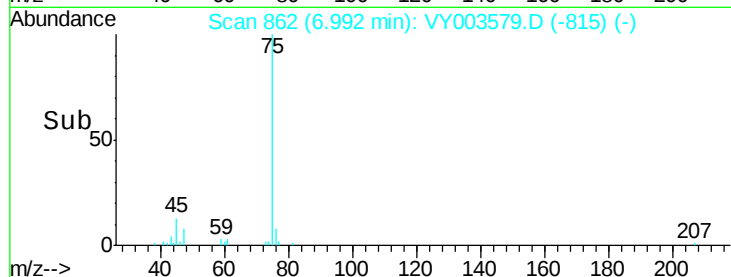
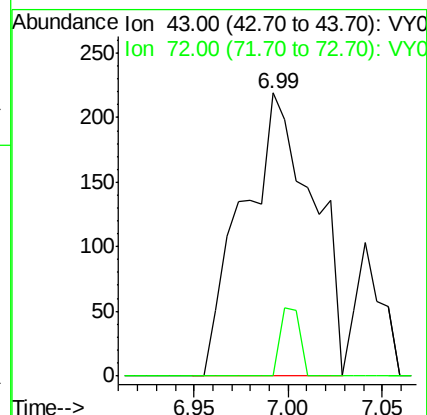
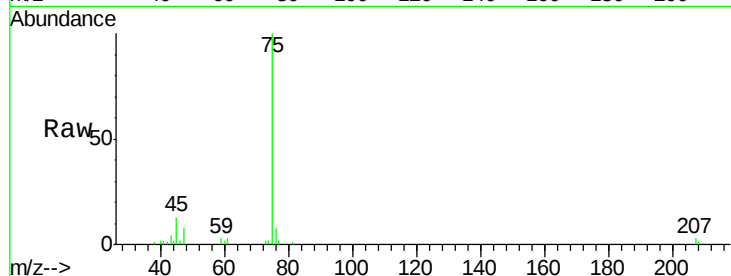
ClientSampleId :

Tot Ion: 43 Resp: 563

Ion Ratio Lower Upper

43 100

72 0.0 19.8 29.8#



#31

Cyclohexane

Concen: 1.541 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY003579.D

Acq: 20 Nov 2020 19:31

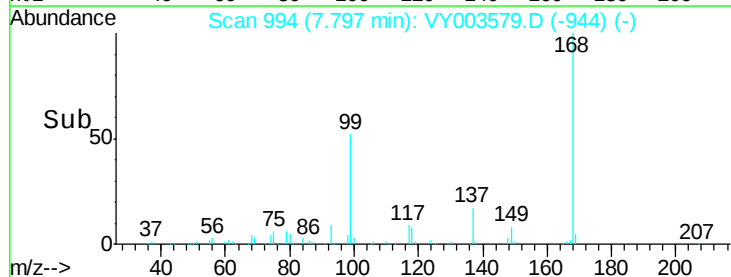
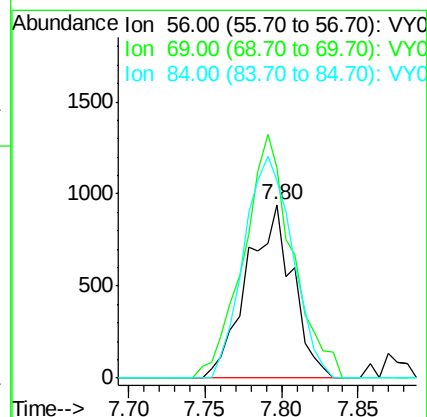
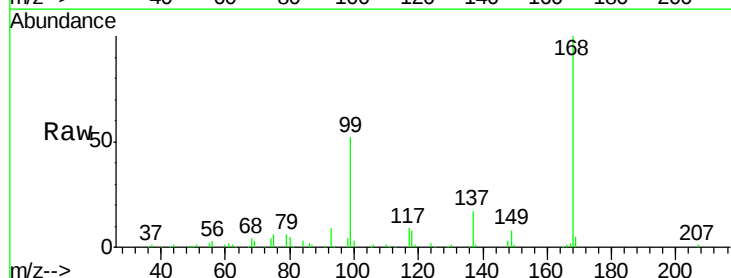
Tgt Ion: 56 Resp: 1957

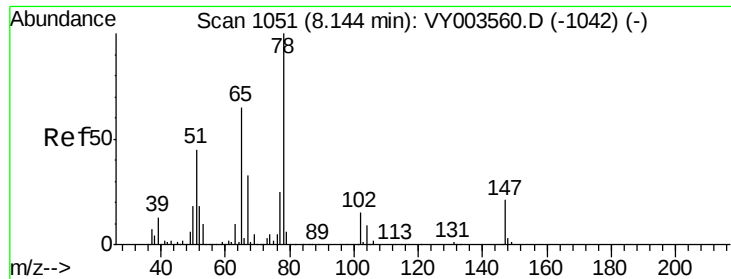
Ion Ratio Lower Upper

56 100

69 121.3 27.0 40.6#

84 114.2 71.8 107.6#

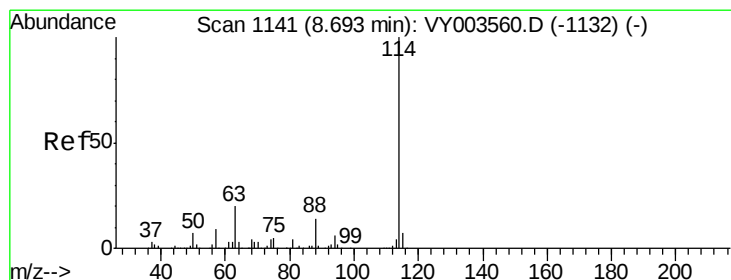
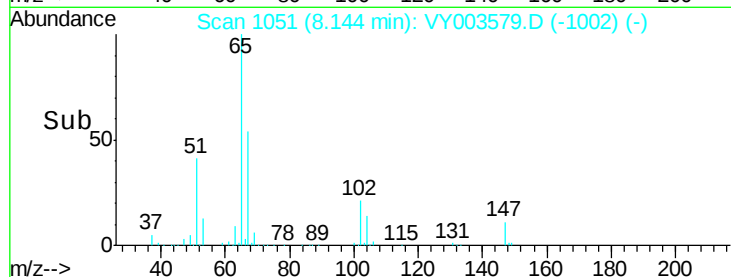
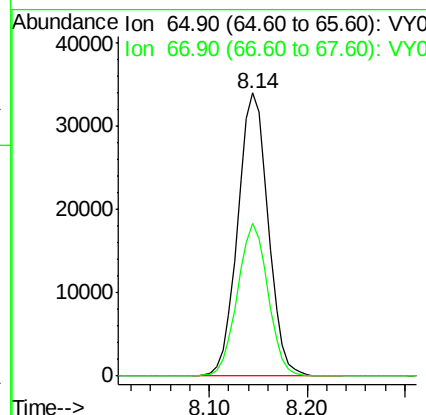
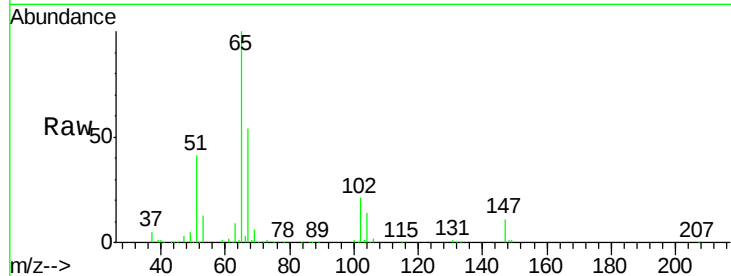




#33
 1,2-Dichloroethane-d4
 Concen: 83.360 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VY003579.D
 Acq: 20 Nov 2020 19:31

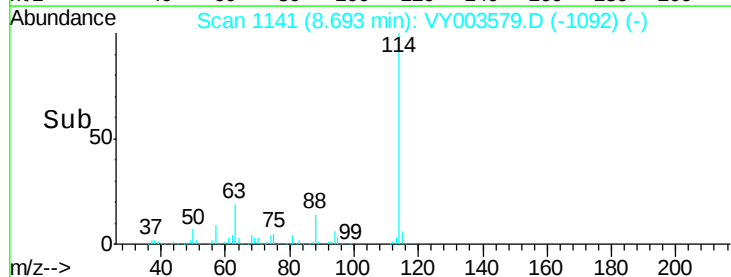
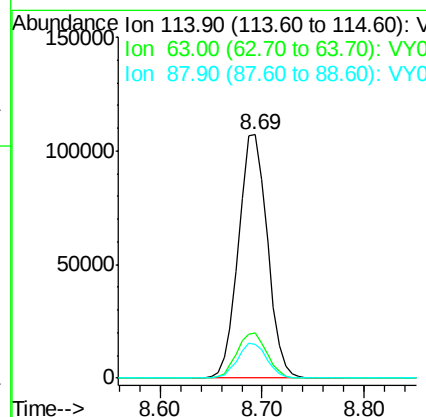
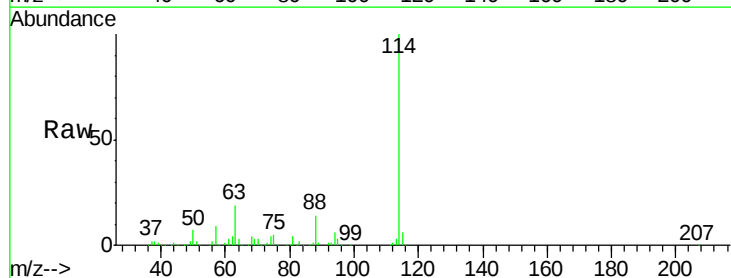
Instrument :
 MSVOA_Y
 ClientSampleId :

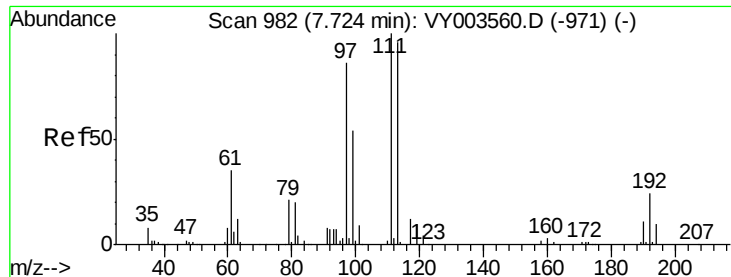
Tot Ion: 65 Resp: 73232
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 110.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003579.D
 Acq: 20 Nov 2020 19:31

Tgt Ion: 114 Resp: 210712
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 39.8
 88 13.8 0.0 29.0

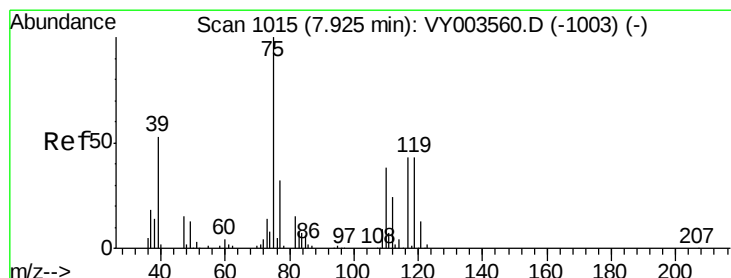
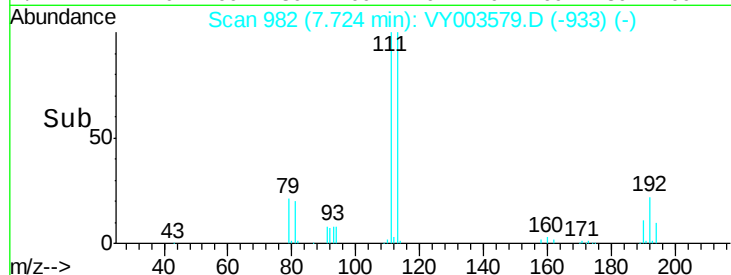
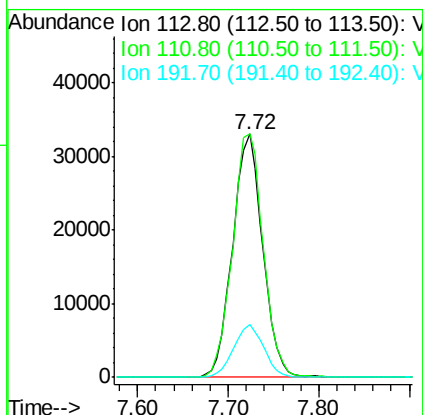
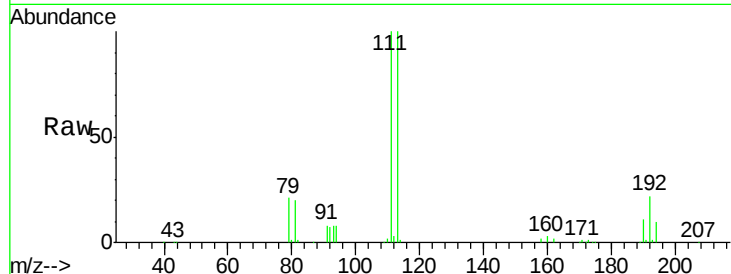




#35
 Dibromofluoromethane
 Concen: 54.815 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VY003579.D
 Acq: 20 Nov 2020 19:31

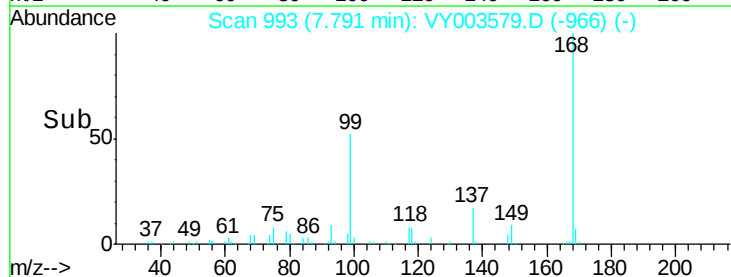
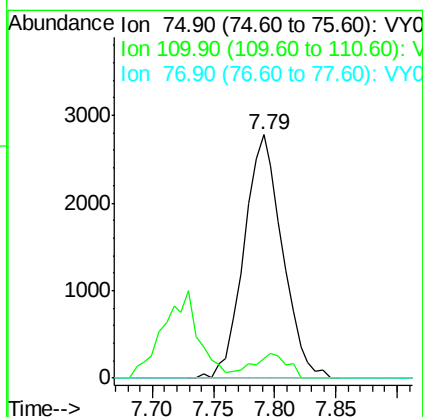
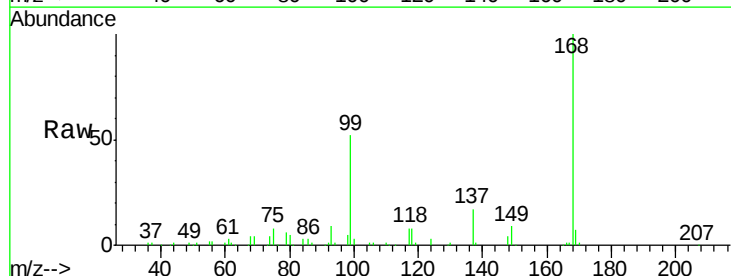
Instrument :
 MSVOA_Y
 ClientSampleId :

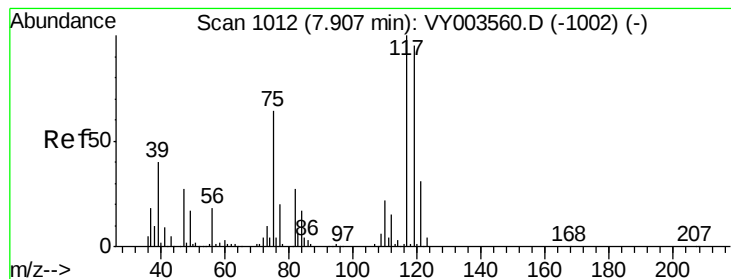
Tot Ion:113 Resp: 75924
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.4 122.0
 192 21.7 18.1 27.1



#36
 1,1-Dichloropropene
 Concen: 2.913 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VY003579.D
 Acq: 20 Nov 2020 19:31

Tgt Ion: 75 Resp: 6042
 Ion Ratio Lower Upper
 75 100
 110 9.0 18.7 56.1#
 77 0.0 25.4 38.2#





#38

Carbon Tetrachloride

Concen: 3.942 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003579.D

Acq: 20 Nov 2020 19:31

Instrument :

MSVOA_Y

ClientSampleId :

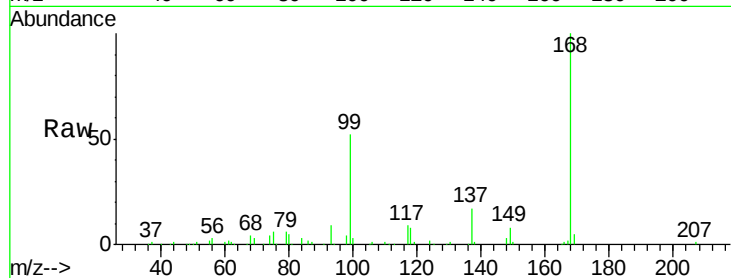
Tot Ion:117 Resp: 7576

Ion Ratio Lower Upper

117 100

119 6.9 76.3 114.5#

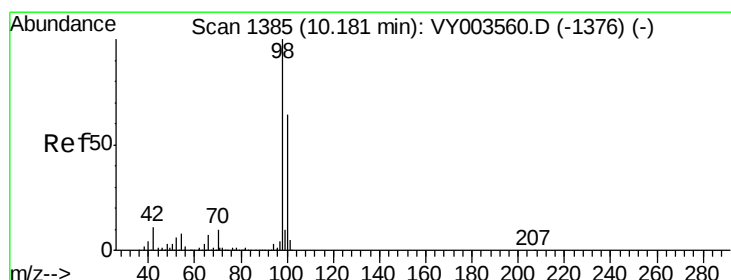
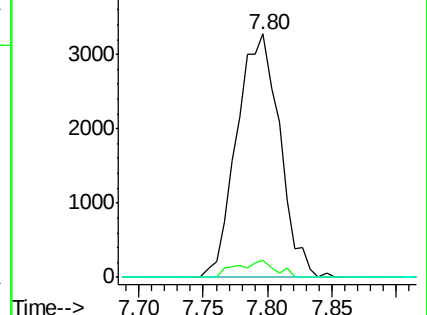
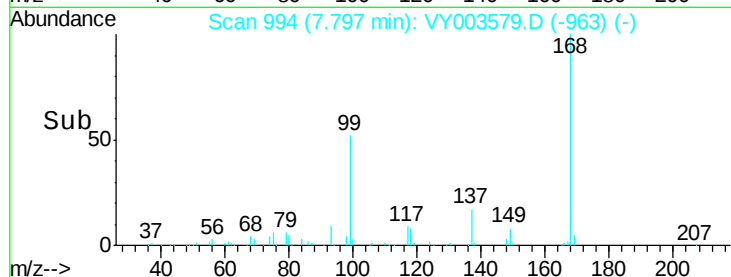
121 0.0 25.1 37.7#



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: 48.521 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003579.D

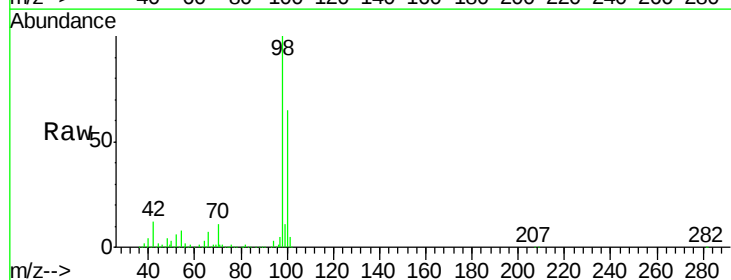
Acq: 20 Nov 2020 19:31

Tgt Ion: 98 Resp: 261331

Ion Ratio Lower Upper

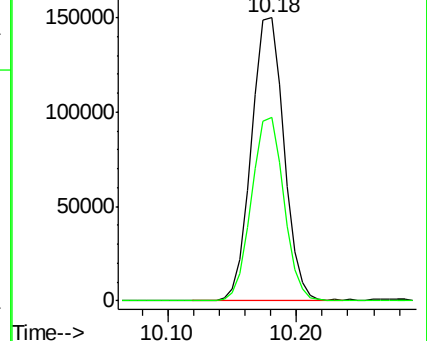
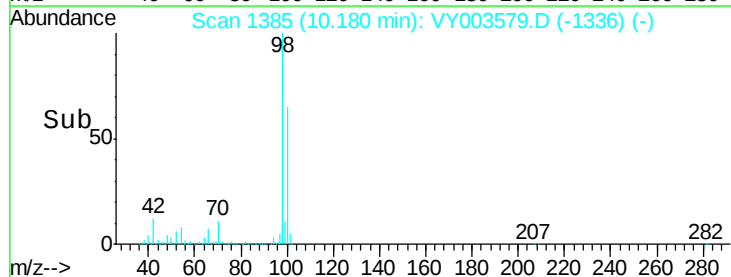
98 100

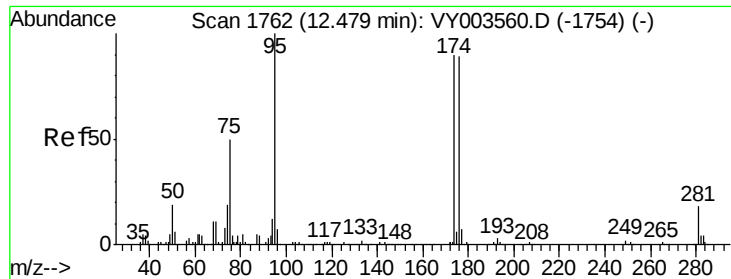
100 64.7 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

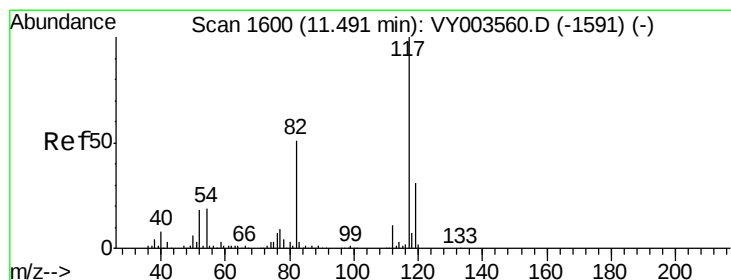
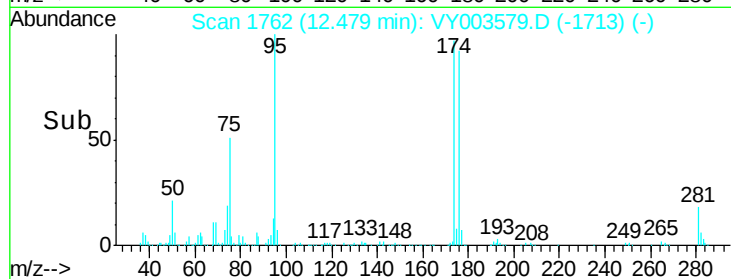
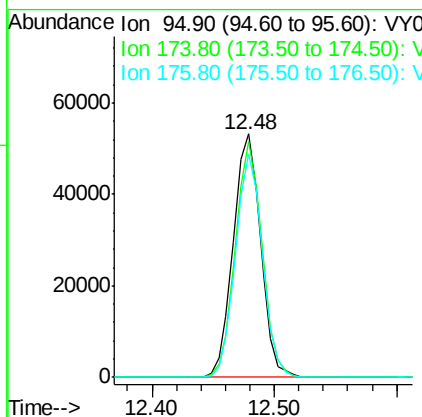
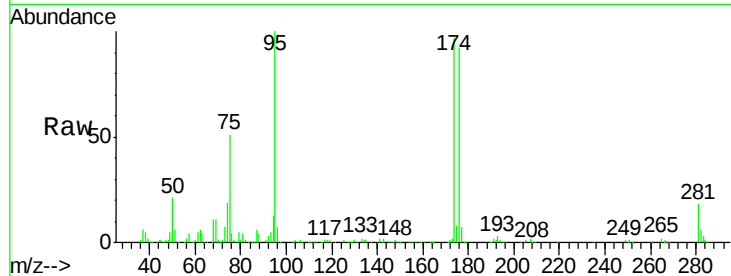




#62
4-Bromofluorobenzene
Concen: 48.109 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY003579.D
Acq: 20 Nov 2020 19:31

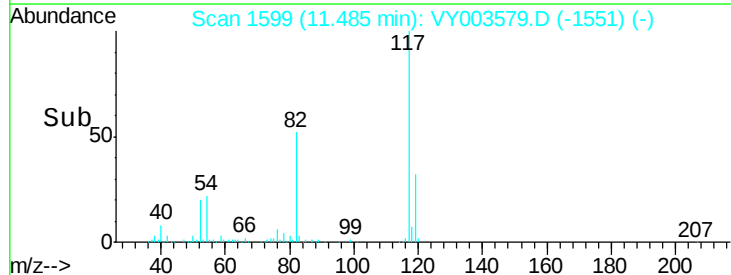
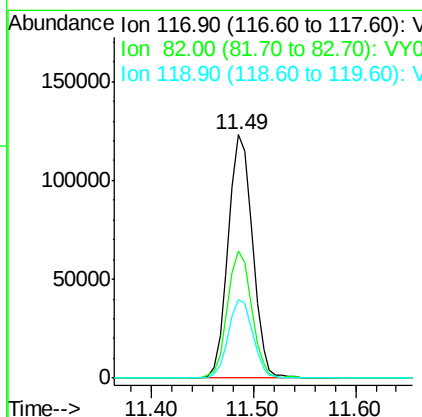
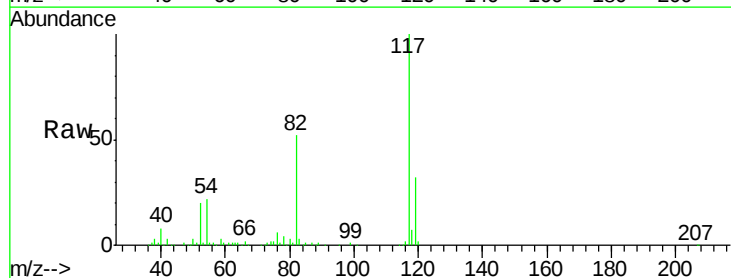
Instrument :
MSVOA_Y
ClientSampleId :

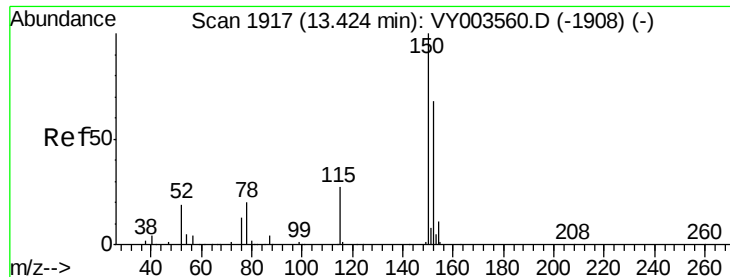
Tot Ion: 95 Resp: 82230
Ion Ratio Lower Upper
95 100
174 94.7 0.0 184.0
176 90.3 0.0 180.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY003579.D
Acq: 20 Nov 2020 19:31

Tgt Ion: 117 Resp: 203069
Ion Ratio Lower Upper
117 100
82 52.2 41.0 61.6
119 32.4 25.0 37.6



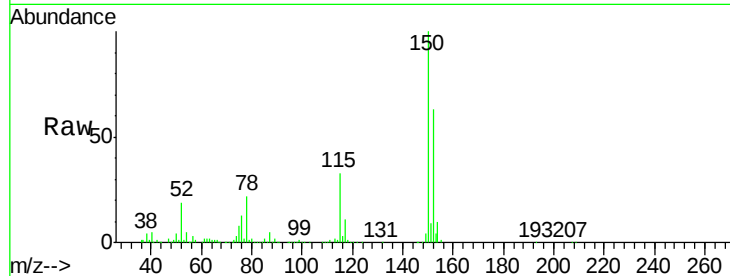


#72

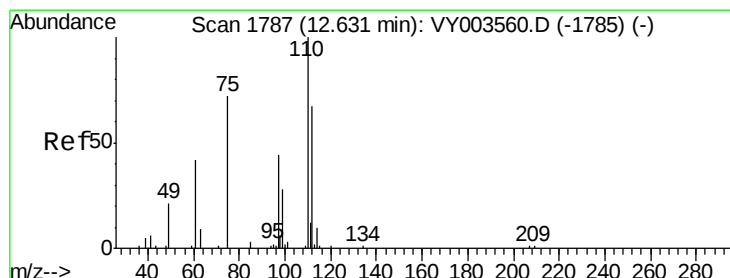
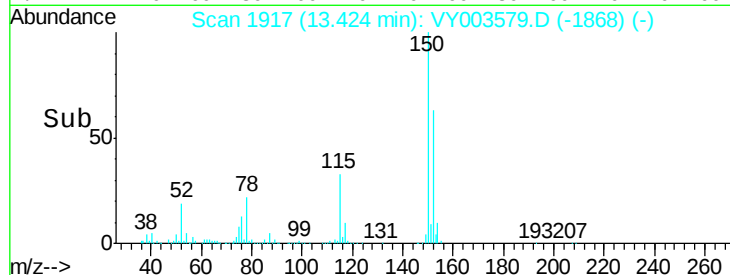
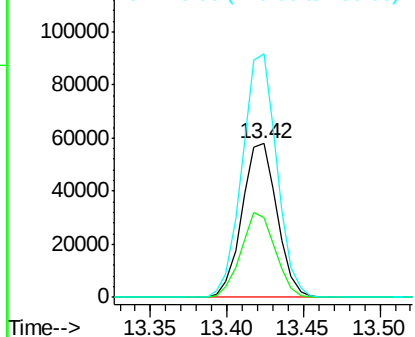
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003579.D
Acq: 20 Nov 2020 19:31

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:152 Resp: 91751
Ion Ratio Lower Upper
152 100
115 54.0 27.4 82.0
150 157.2 0.0 349.6



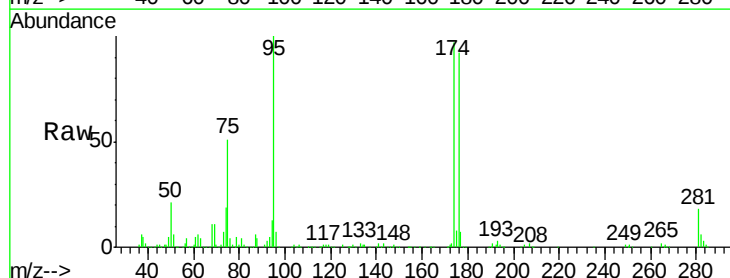
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



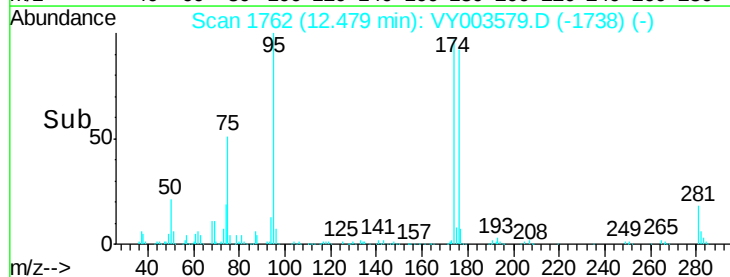
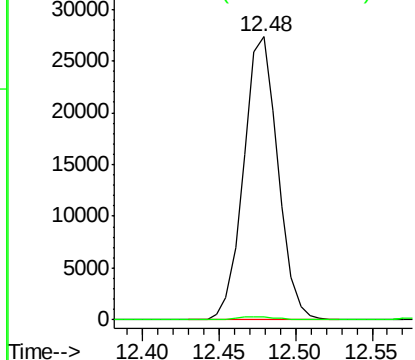
#76

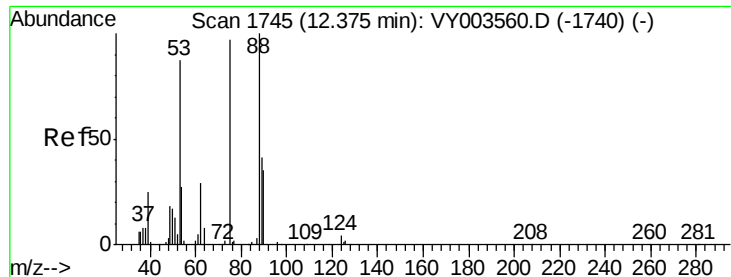
1,2,3-Trichloropropane
Concen: 47.825 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY003579.D
Acq: 20 Nov 2020 19:31

Tgt Ion: 75 Resp: 42541
Ion Ratio Lower Upper
75 100
77 1.3 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: 76.027 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003579.D

Acq: 20 Nov 2020 19:31

Instrument :

MSVOA_Y

ClientSampleId :

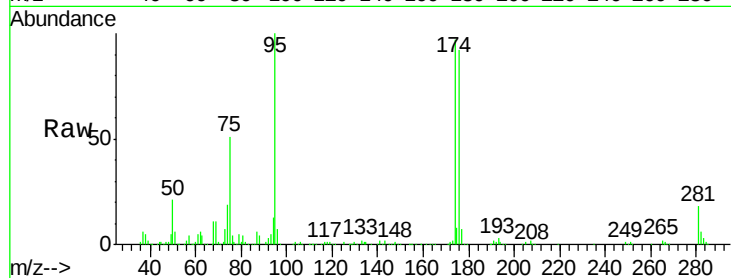
Tot Ion: 75 Resp: 42541

Ion Ratio Lower Upper

75 100

53 0.1 71.4 107.2#

89 0.5 34.7 52.1#



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

