

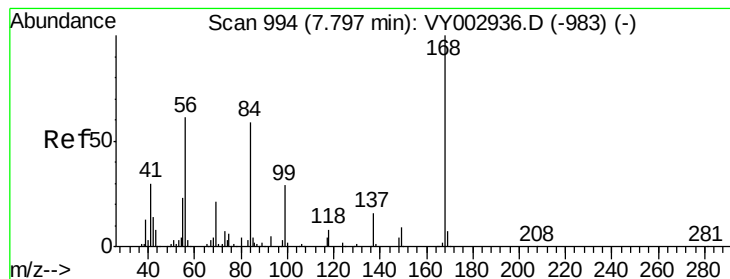
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY061920\
 Data File : VY002948.D
 Acq On : 19 Jun 2020 19:23
 Operator : SY/MD
 Sample : L3046-03
 Misc : 9.88G/5ML/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ISS-A1-G3

Quant Time: Jun 20 03:58:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 19 15:04:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	274033	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	451365	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	415721	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	190372	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	135026	59.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.30%	
35) Dibromofluoromethane	7.72	113	139896	54.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.56%	
50) Toluene-d8	10.18	98	525624	52.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.40%	
62) 4-Bromofluorobenzene	12.48	95	173918	49.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.58%	
Target Compounds						
18) Methyl Acetate	4.50	43	986	Below Cal	#	69
20) Methylene Chloride	4.72	84	12367	Below Cal		99
31) Cyclohexane	7.80	56	4180	1.075	ug/l #	1
36) 1,1-Dichloropropene	7.79	75	16585	4.524	ug/l #	48
38) Carbon Tetrachloride	7.80	117	24655	6.103	ug/l #	17
76) 1,2,3-Trichloropropane	12.48	75	81172	48.959	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	81172	93.473	ug/l #	16

(#) = 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: VY002948.D

Acq: 19 Jun 2020 19:23

Instrument :

MSVOA_Y

ClientSampleId :

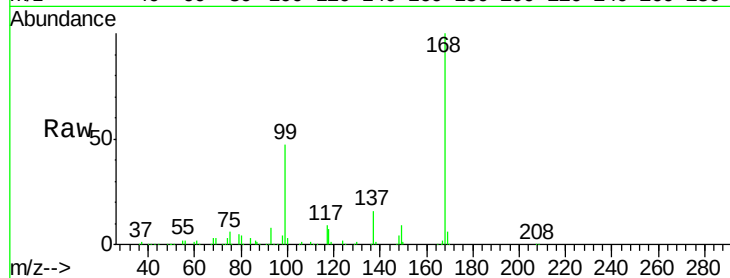
ISS-A1-G3

Tgt Ion:168 Resp: 274033

Ion Ratio Lower Upper

168 100

99 47.0 39.5 59.3



Abundance Ion 167.90 (167.60 to 168.60): VY002948.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY002948.D (-945) (-)

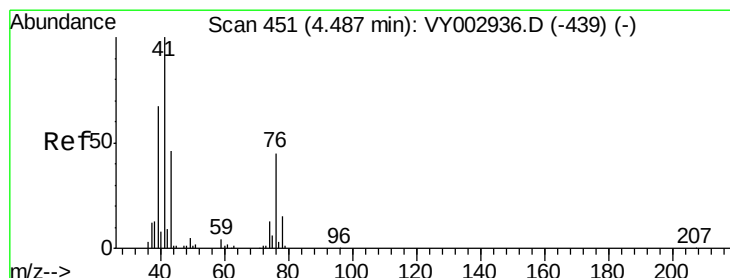
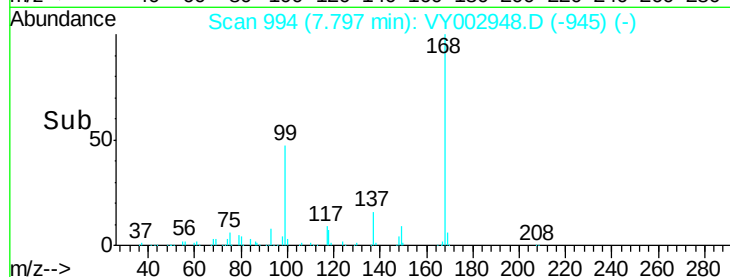
7.80

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: Below Cal

RT: 4.50 min Scan# 454

Delta R.T. 0.02 min

Lab File: VY002948.D

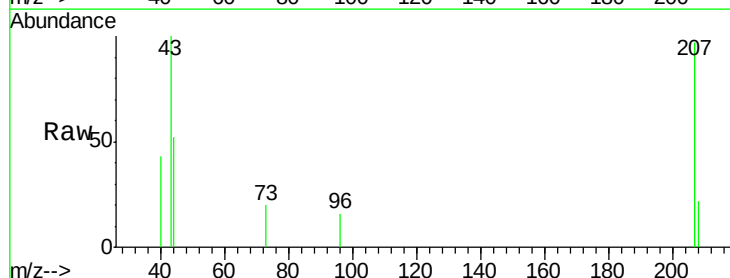
Acq: 19 Jun 2020 19:23

Tgt Ion: 43 Resp: 986

Ion Ratio Lower Upper

43 100

74 10.5 21.1 31.7#



Abundance Ion 43.00 (42.70 to 43.70): VY002948.D (-402) (-)

Ion 74.00 (73.70 to 74.70): VY002948.D (-402) (-)

4.50

500

400

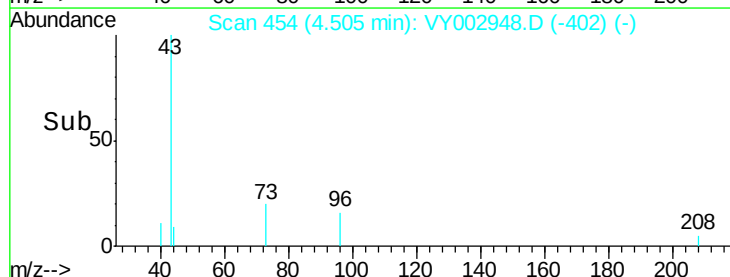
300

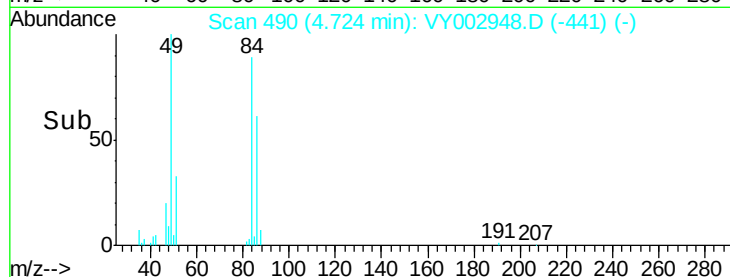
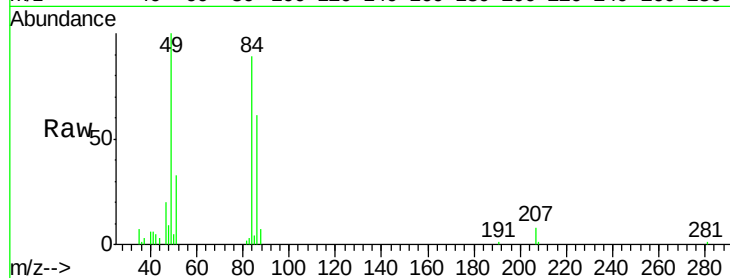
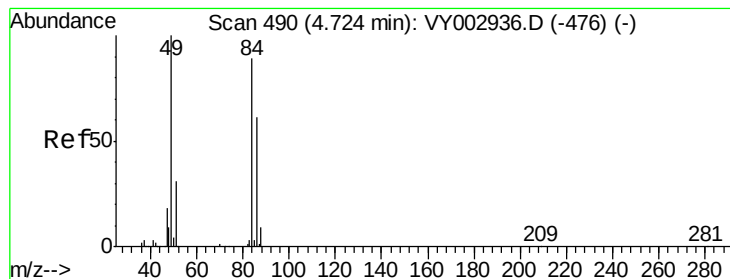
200

100

0

Time-->





#20

Methylene Chloride

Concen: Below Cal

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY002948.D

Acq: 19 Jun 2020 19:23

Instrument :

MSVOA_Y

ClientSampleId :

ISS-A1-G3

Tgt Ion: 84 Resp: 12367

Ion Ratio Lower Upper

84 100

49 112.7 90.0 135.0

51 37.0 27.9 41.9

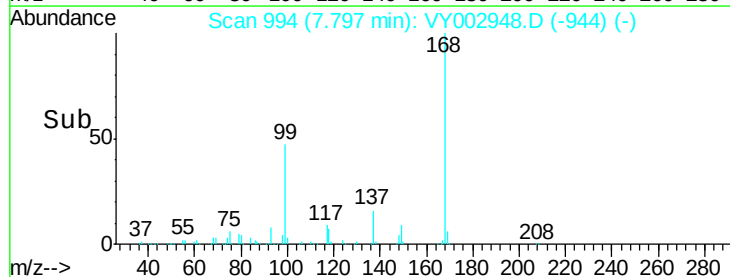
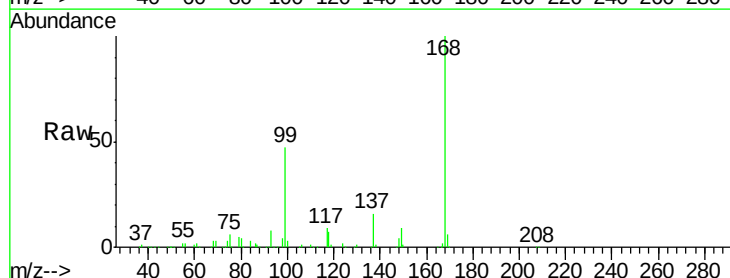
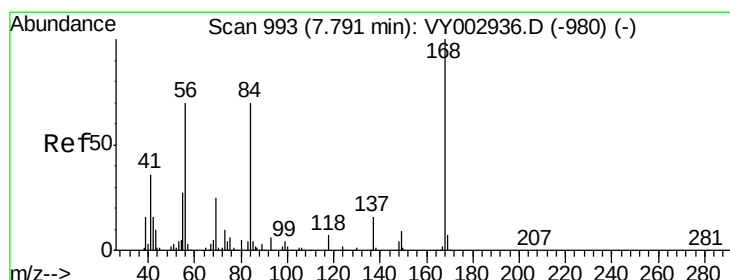
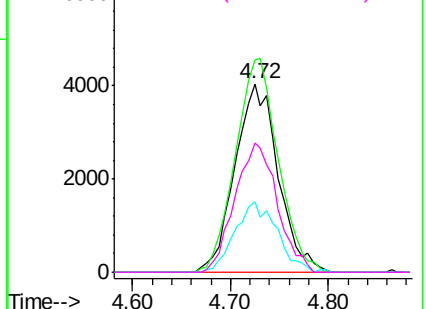
86 68.7 54.6 81.8

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: 1.075 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY002948.D

Acq: 19 Jun 2020 19:23

Tgt Ion: 56 Resp: 4180

Ion Ratio Lower Upper

56 100

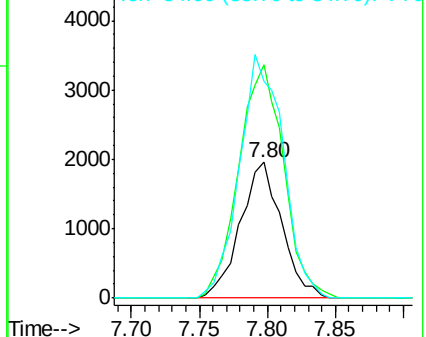
69 172.0 28.9 43.3#

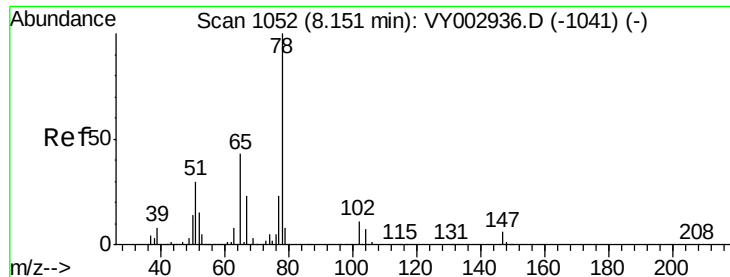
84 159.8 80.1 120.1#

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

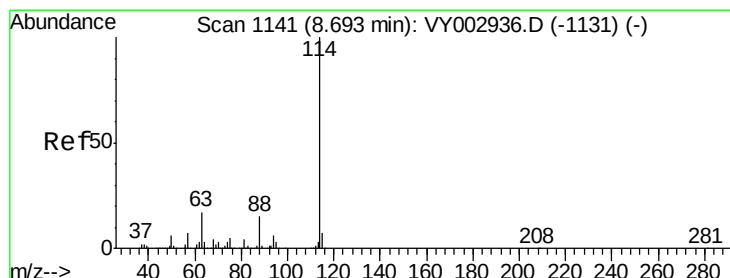
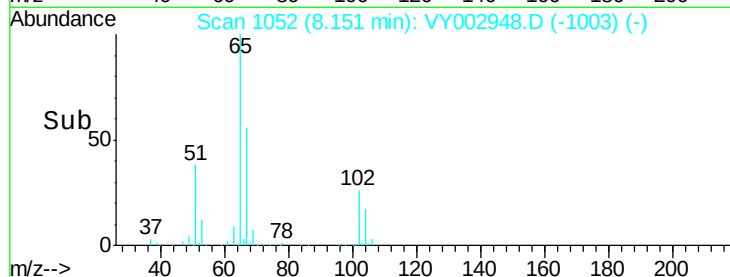
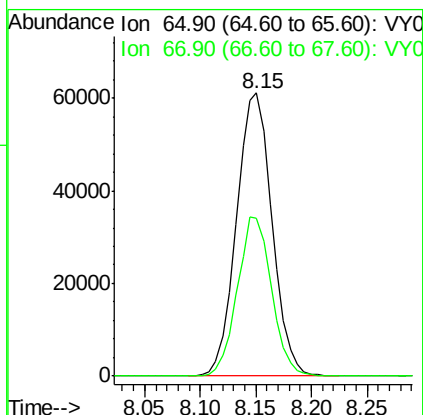
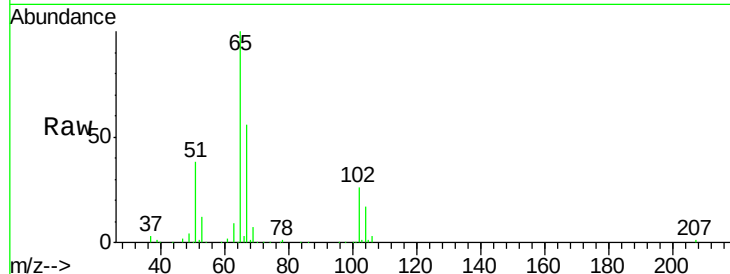




#33
 1,2-Dichloroethane-d4
 Concen: 59.654 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY002948.D
 Acq: 19 Jun 2020 19:23

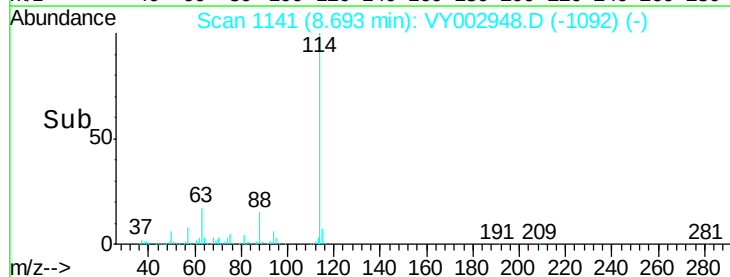
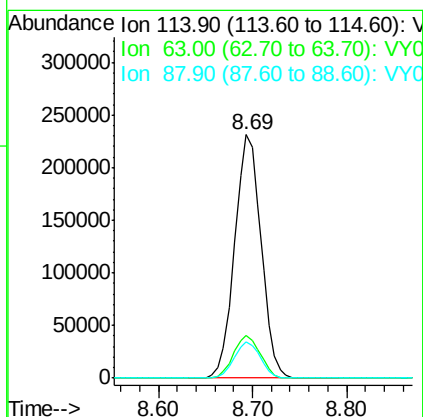
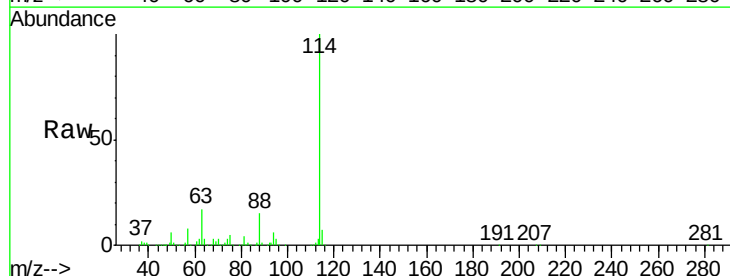
Instrument :
 MSVOA_Y
 ClientSampleId :
 ISS-A1-G3

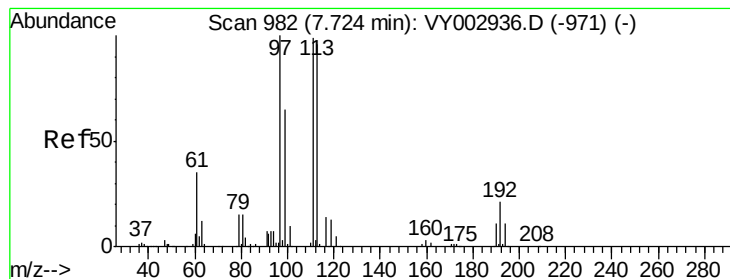
Tgt Ion: 65 Resp: 135026
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY002948.D
 Acq: 19 Jun 2020 19:23

Tgt Ion: 114 Resp: 451365
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 34.6
 88 14.7 0.0 29.2





#35

Dibromofluoromethane

Concen: 54.777 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.00 min

Lab File: VY002948.D

Acq: 19 Jun 2020 19:23

Instrument :

MSVOA_Y

ClientSampleId :

ISS-A1-G3

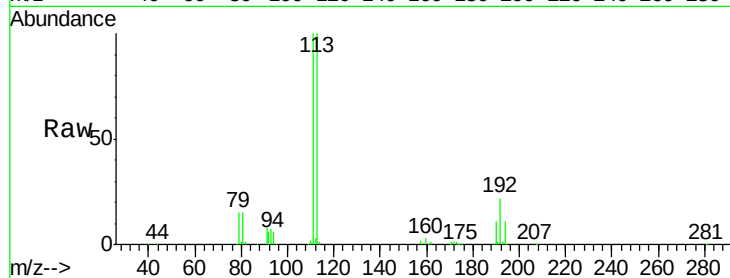
Tgt Ion:113 Resp: 139896

Ion Ratio Lower Upper

113 100

111 101.0 81.5 122.3

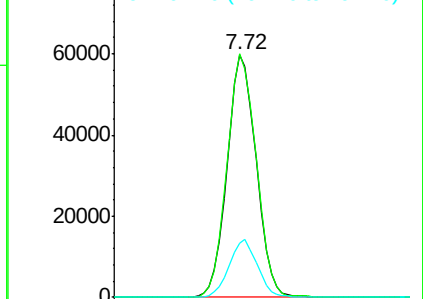
192 23.0 19.2 28.8



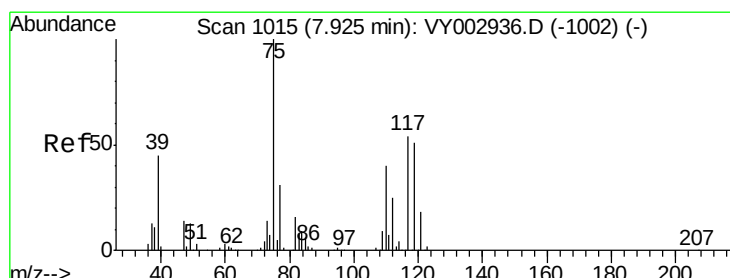
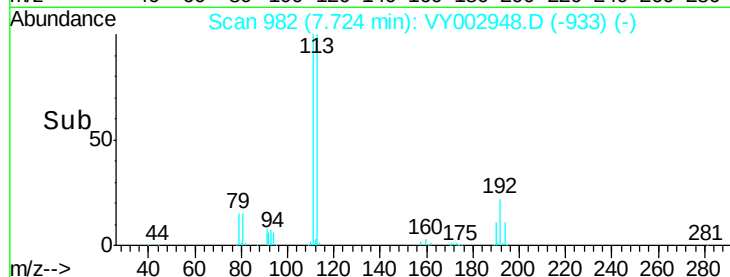
Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



Time-->



#36

1,1-Dichloropropene

Concen: 4.524 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.13 min

Lab File: VY002948.D

Acq: 19 Jun 2020 19:23

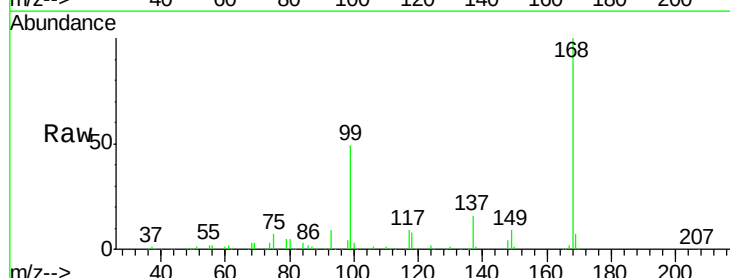
Tgt Ion: 75 Resp: 16585

Ion Ratio Lower Upper

75 100

110 10.0 19.7 59.0#

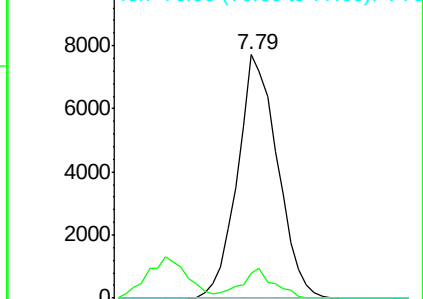
77 0.0 25.0 37.4#



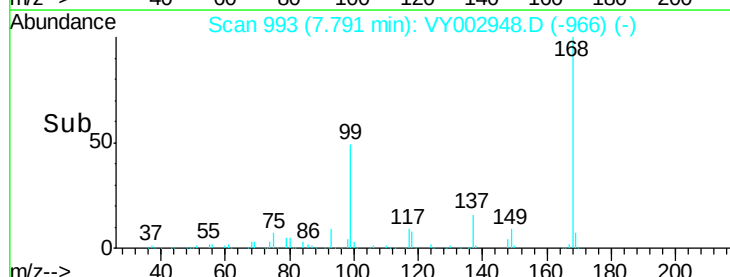
Abundance Ion 74.90 (74.60 to 75.60): VY0

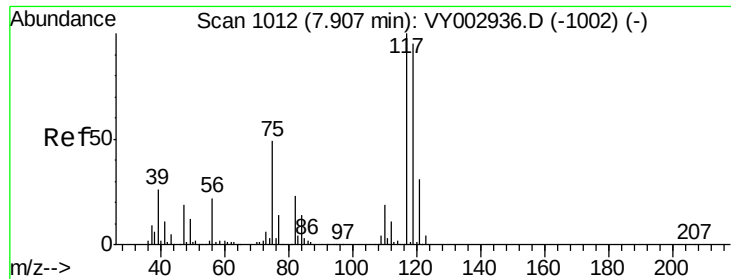
Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0



Time-->

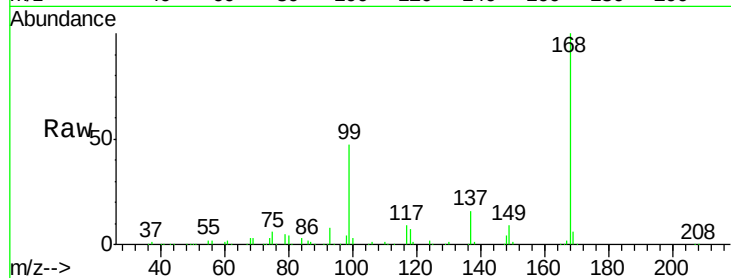




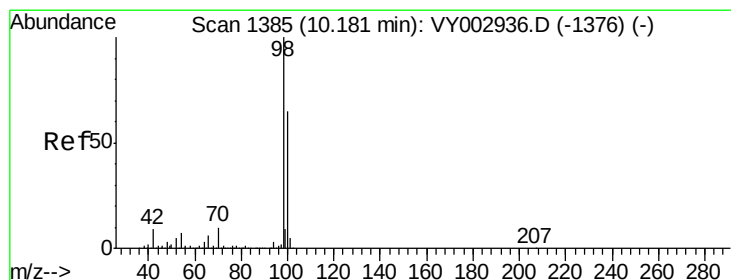
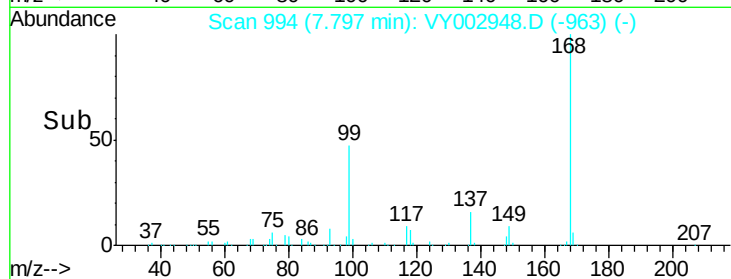
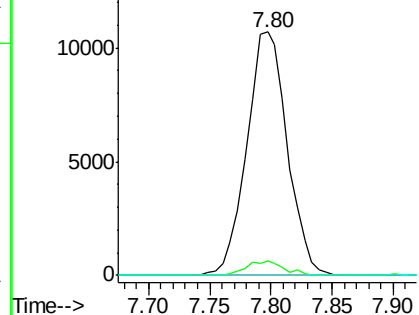
#38
Carbon Tetrachloride
Concen: 6.103 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.11 min
Lab File: VY002948.D
Acq: 19 Jun 2020 19:23

Instrument :
MSVOA_Y
ClientSampleId :
ISS-A1-G3

Tgt Ion: 117 Resp: 24655
Ion Ratio Lower Upper
117 100
119 5.9 76.1 114.1#
121 0.0 24.8 37.2#

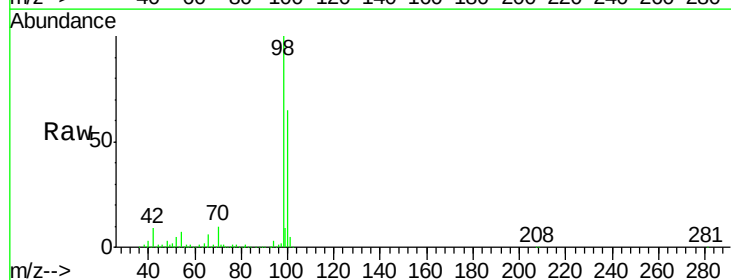


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

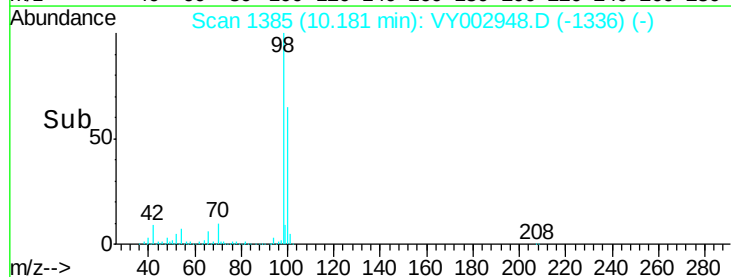
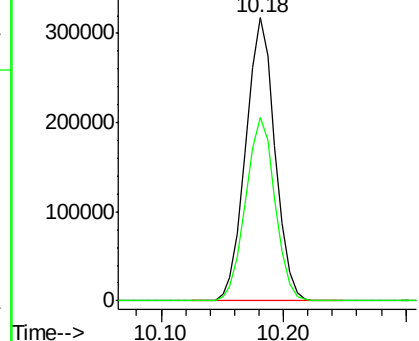


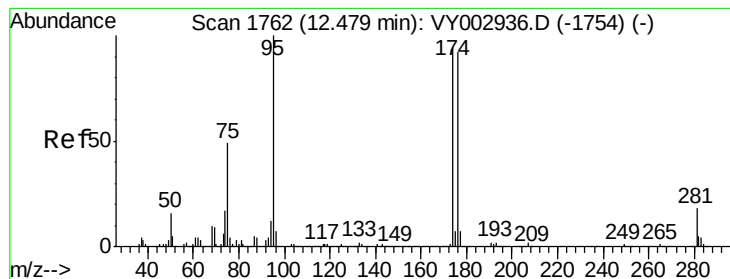
#50
Toluene-d8
Concen: 52.197 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY002948.D
Acq: 19 Jun 2020 19:23

Tgt Ion: 98 Resp: 525624
Ion Ratio Lower Upper
98 100
100 65.1 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY





#62

4-Bromofluorobenzene

Concen: 49.790 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY002948.D

Acq: 19 Jun 2020 19:23

Instrument :

MSVOA_Y

ClientSampleId :

ISS-A1-G3

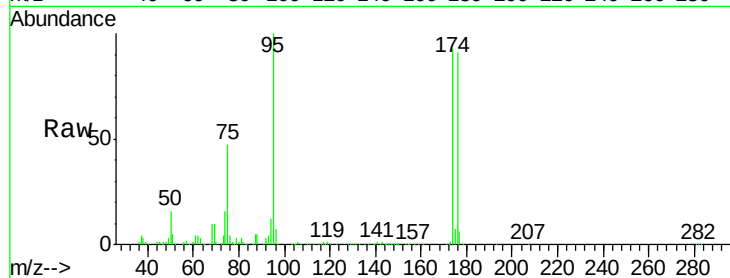
Tgt Ion: 95 Resp: 173918

Ion Ratio Lower Upper

95 100

174 93.7 0.0 191.2

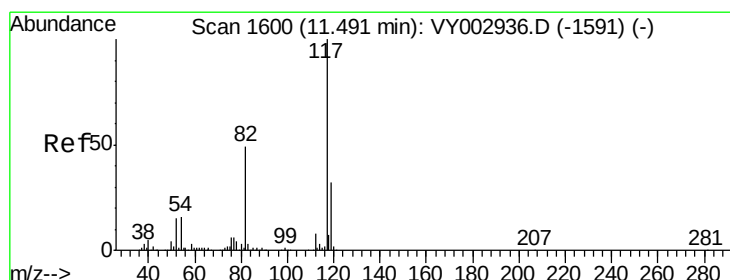
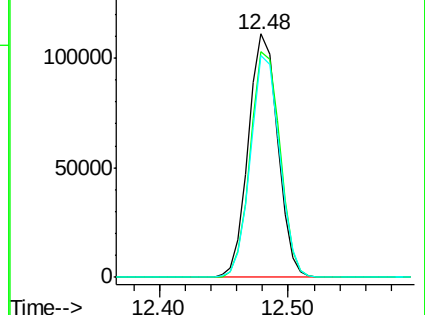
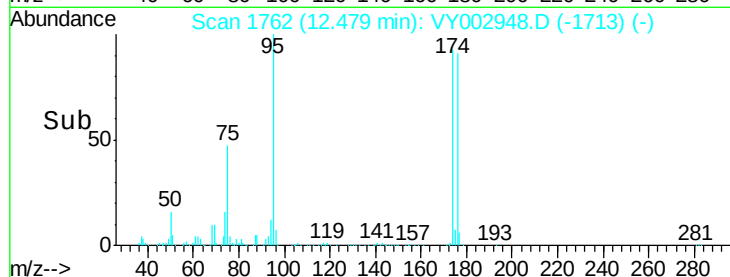
176 90.6 0.0 186.0



Abundance Ion 94.90 (94.60 to 95.60): VY002948.D (-1713) (-)

Ion 173.80 (173.50 to 174.50): VY002948.D (-1713) (-)

Ion 175.80 (175.50 to 176.50): VY002948.D (-1713) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VY002948.D

Acq: 19 Jun 2020 19:23

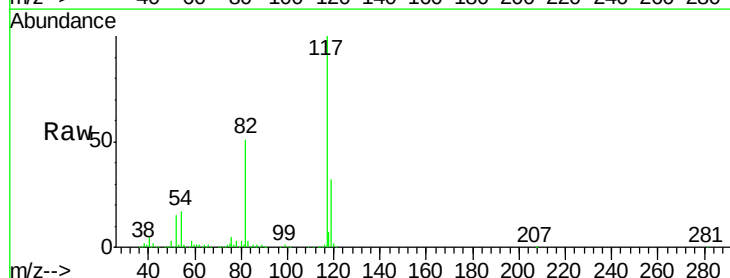
Tgt Ion: 117 Resp: 415721

Ion Ratio Lower Upper

117 100

82 50.7 39.4 59.0

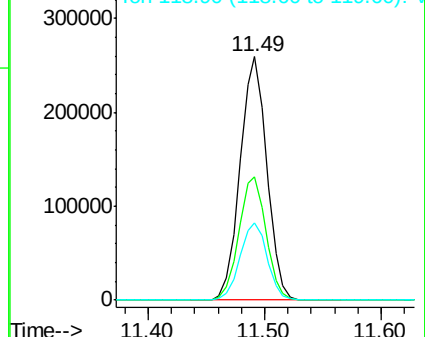
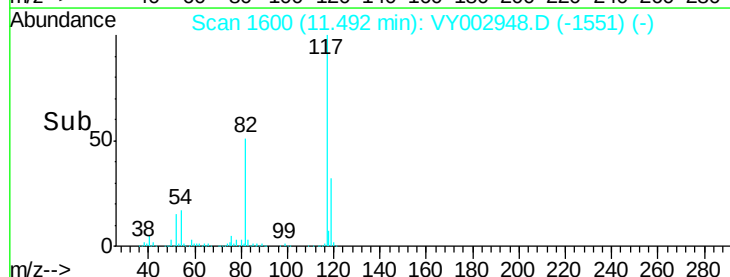
119 31.8 25.4 38.0

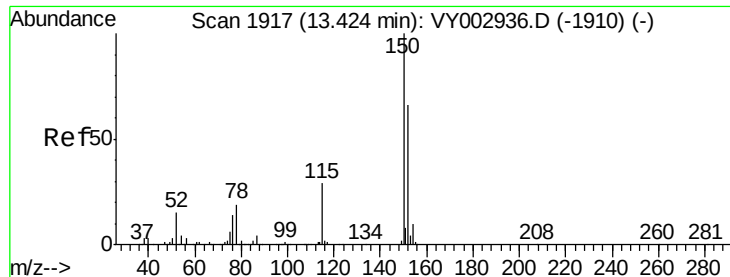


Abundance Ion 116.90 (116.60 to 117.60): VY002948.D (-1551) (-)

Ion 82.00 (81.70 to 82.70): VY002948.D (-1551) (-)

Ion 118.90 (118.60 to 119.60): VY002948.D (-1551) (-)



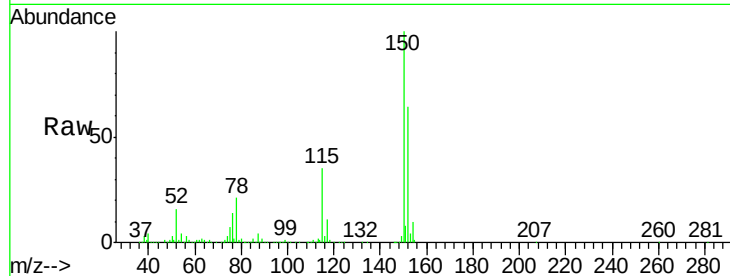


#72

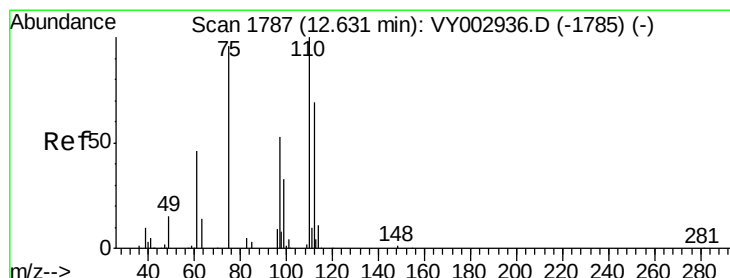
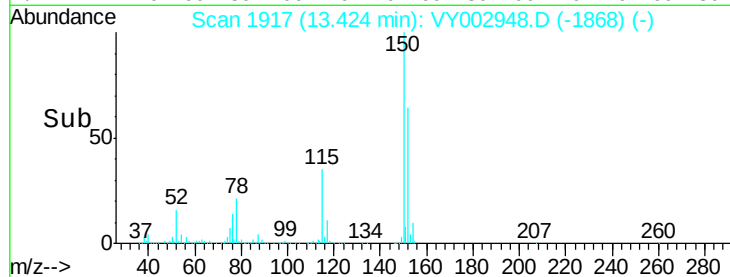
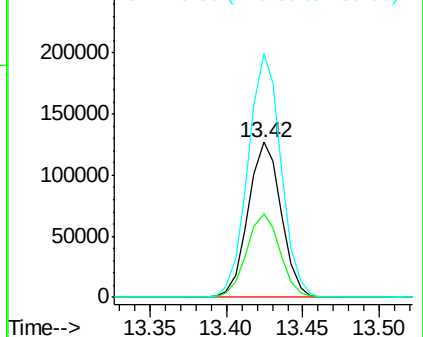
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY002948.D
Acq: 19 Jun 2020 19:23

Instrument :
MSVOA_Y
ClientSampleId :
ISS-A1-G3

Tgt Ion:152 Resp: 190372
Ion Ratio Lower Upper
152 100
115 54.5 26.9 80.6
150 157.1 0.0 341.8



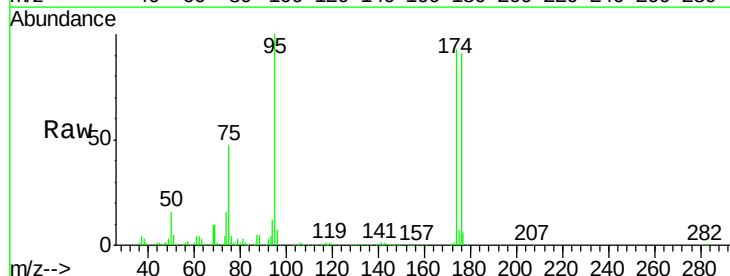
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



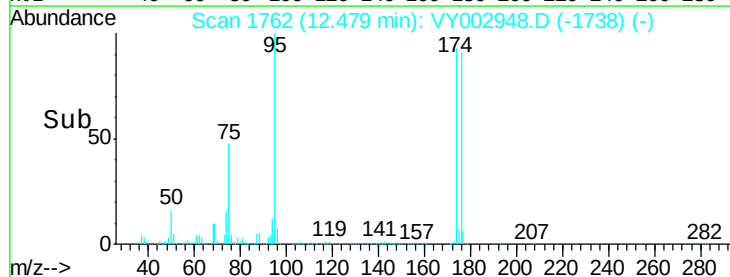
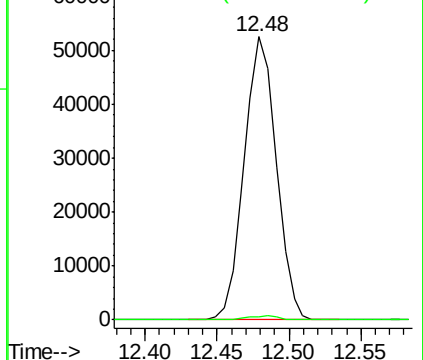
#76

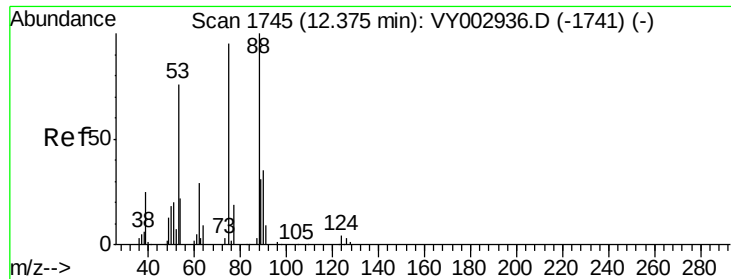
1,2,3-Trichloropropane
Concen: 48.959 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY002948.D
Acq: 19 Jun 2020 19:23

Tgt Ion: 75 Resp: 81172
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





#81

trans-1,4-Dichloro-2-butene

Concen: 93.473 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY002948.D

Acq: 19 Jun 2020 19:23

Instrument :

MSVOA_Y

ClientSampleId :

ISS-A1-G3

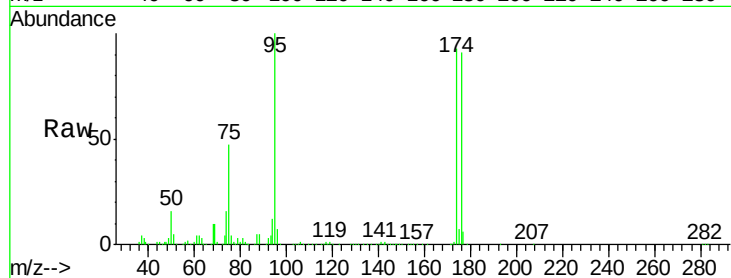
Tgt Ion: 75 Resp: 81172

Ion Ratio Lower Upper

75 100

53 0.0 65.1 97.7#

89 0.0 38.4 57.6#



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

