

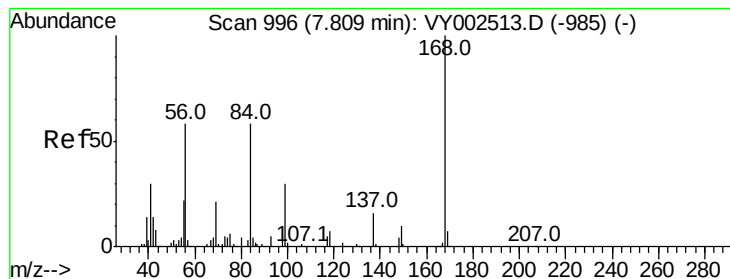
Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050720\
 Data File : VY002625.D
 Acq On : 07 May 2020 12:52
 Operator : SY/MD
 Sample : L2530-01
 Misc : 7.49G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RO-14

Quant Time: May 08 02:36:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	332213	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	514118	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	444428	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	189927	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	142474	51.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.02%	
35) Dibromofluoromethane	7.74	113	150109	51.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.10%	
50) Toluene-d8	10.19	98	595957	51.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.80%	
62) 4-Bromofluorobenzene	12.49	95	181816	46.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.34%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.91	85	67	1.808	ug/l #	62
16) Acetone	3.98	43	732	1.270	ug/l	97
20) Methylene Chloride	4.74	84	4463	1.384	ug/l #	87
31) Cyclohexane	7.80	56	5373	1.070	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	20973	4.866	ug/l #	49
38) Carbon Tetrachloride	7.80	117	29107	6.186	ug/l #	17
76) 1,2,3-Trichloropropane	12.49	75	87360	51.759	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	87360	103.787	ug/l #	15

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.00 min

Lab File: VY002625.D

Acq: 07 May 2020 12:52

Instrument :

MSVOA_Y

ClientSampleId :

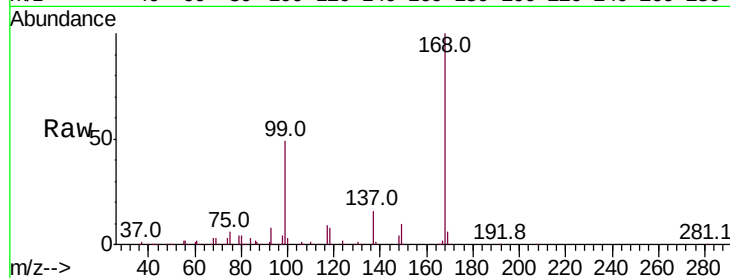
RO-14

Tot Ion:168 Resp: 332213

Ion Ratio Lower Upper

168 100

99 48.8 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002513.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002513.D (-985) (-)

7.81

150000

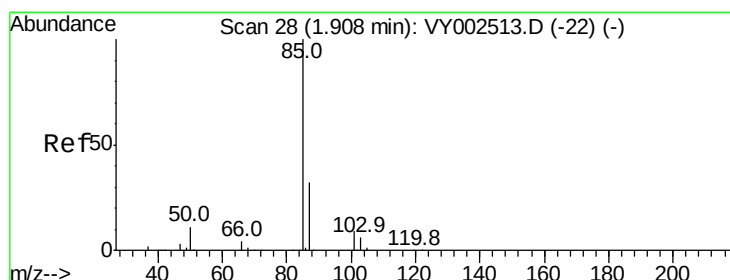
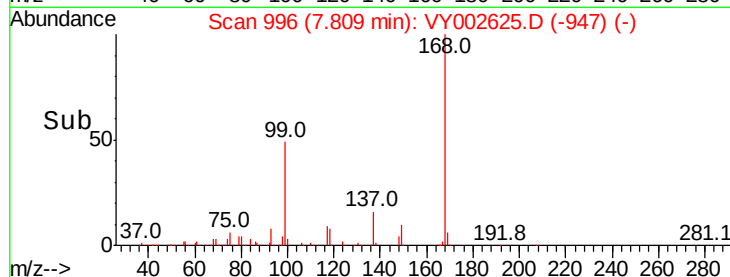
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 1.808 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.01 min

Lab File: VY002625.D

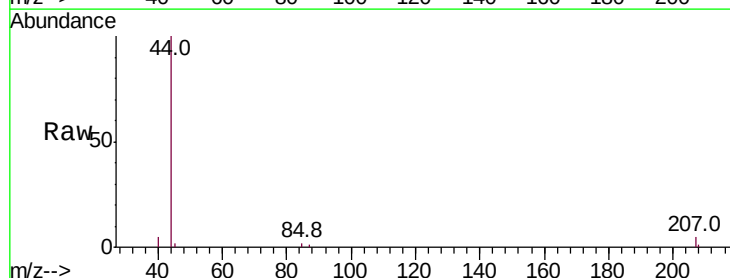
Acq: 07 May 2020 12:52

Tgt Ion: 85 Resp: 67

Ion Ratio Lower Upper

85 100

87 52.9 15.8 47.4#



Abundance Ion 84.90 (84.60 to 85.60): VY002625.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY002625.D (-1) (-)

1.91

120

100

80

60

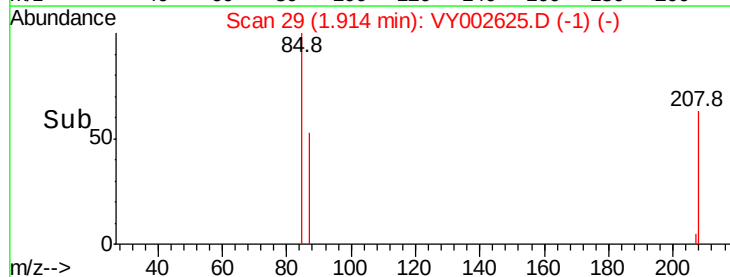
40

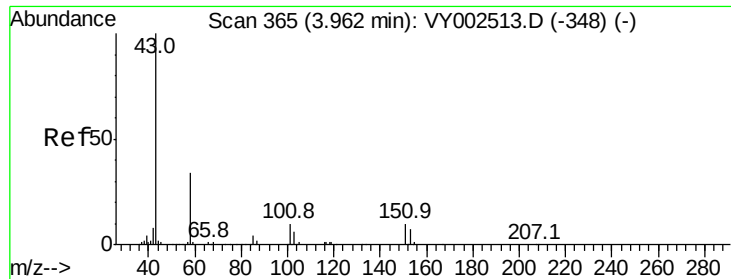
20

0

1.90 1.92

Time-->





#16

Acetone

Concen: 1.270 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.02 min

Lab File: VY002625.D

Acq: 07 May 2020 12:52

Instrument :

MSVOA_Y

ClientSampleId :

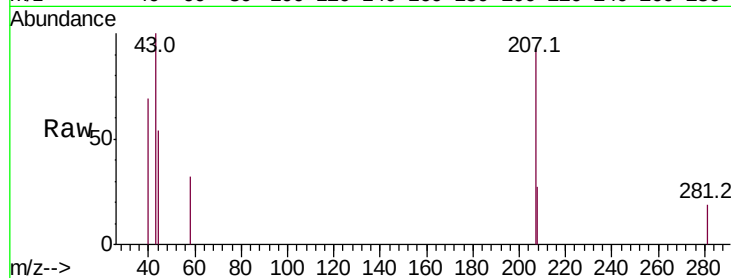
RO-14

Tot Ion: 43 Resp: 732

Ion Ratio Lower Upper

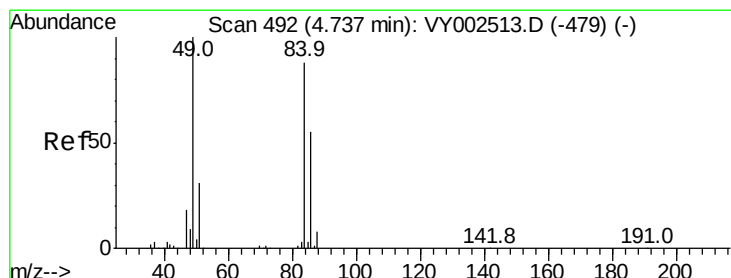
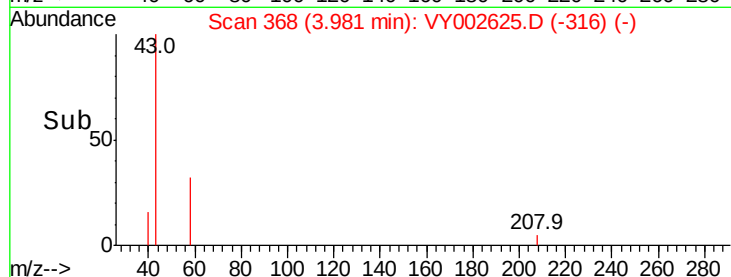
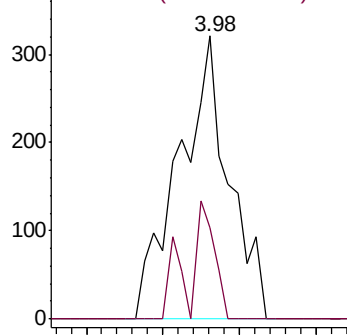
43 100

58 32.1 26.9 40.3



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#20

Methylene Chloride

Concen: 1.384 ug/l

RT: 4.74 min Scan# 492

Delta R.T. -0.00 min

Lab File: VY002625.D

Acq: 07 May 2020 12:52

Tgt Ion: 84 Resp: 4463

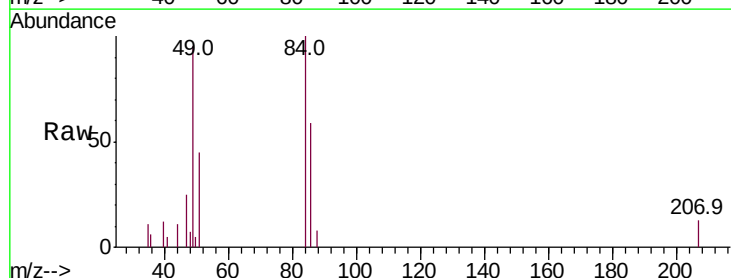
Ion Ratio Lower Upper

84 100

49 94.8 90.5 135.7

51 45.2 28.3 42.5#

86 59.0 49.9 74.9

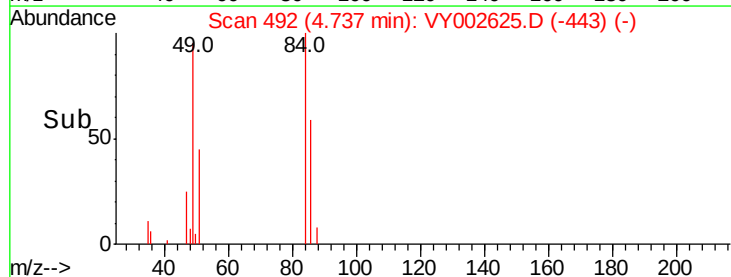
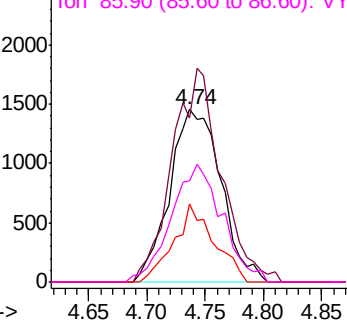


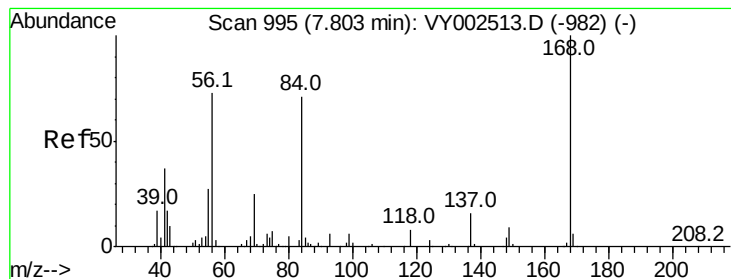
Abundance Ion 83.90 (83.60 to 84.60): VY0

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: 1.070 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY002625.D

Acq: 07 May 2020 12:52

Instrument :

MSVOA_Y

ClientSampled :

RO-14

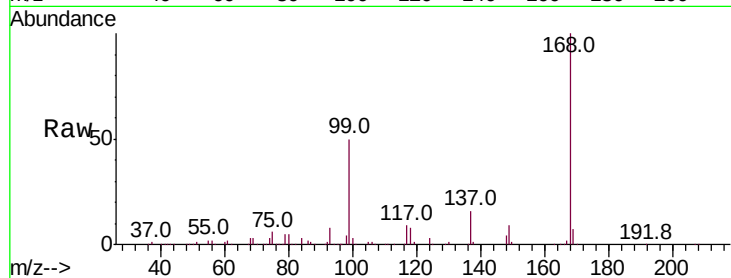
Tot Ion: 56 Resp: 5373

Ion Ratio Lower Upper

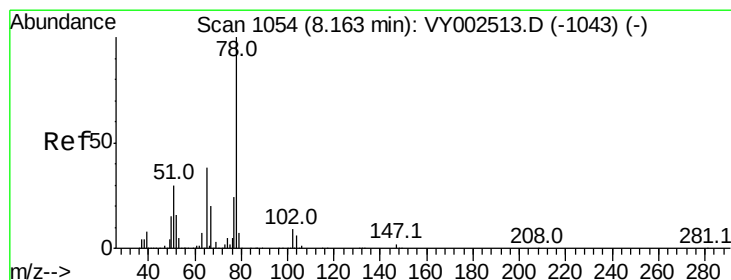
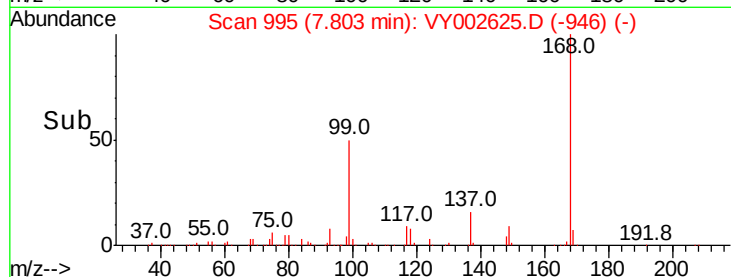
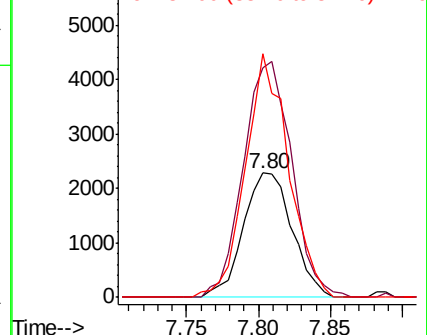
56 100

69 184.9 27.6 41.4#

84 195.8 77.7 116.5#



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: 51.006 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VY002625.D

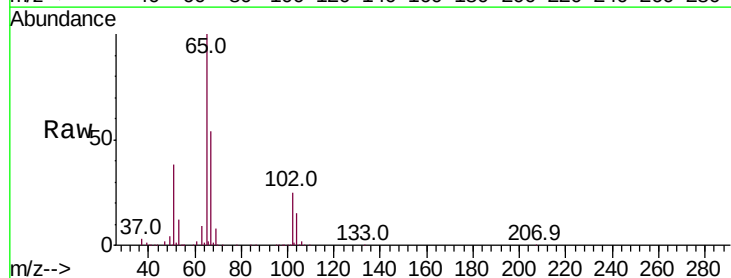
Acq: 07 May 2020 12:52

Tgt Ion: 65 Resp: 142474

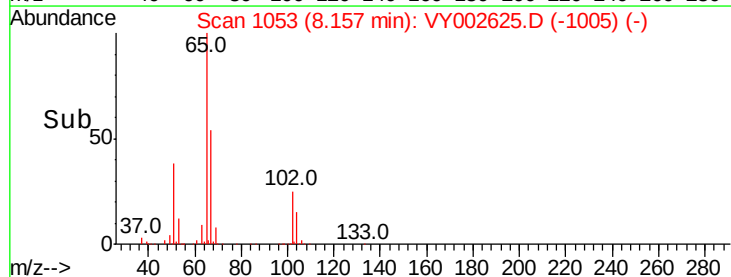
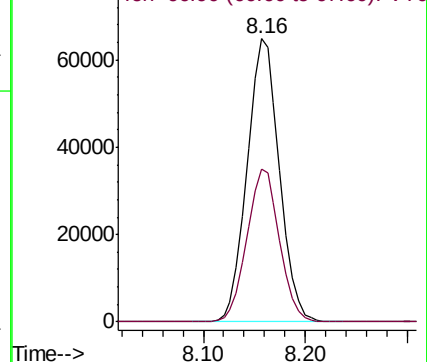
Ion Ratio Lower Upper

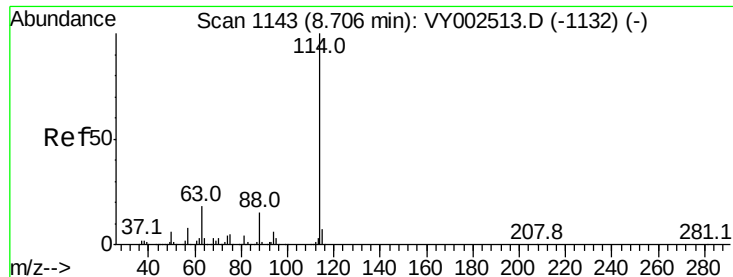
65 100

67 54.4 0.0 107.2



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

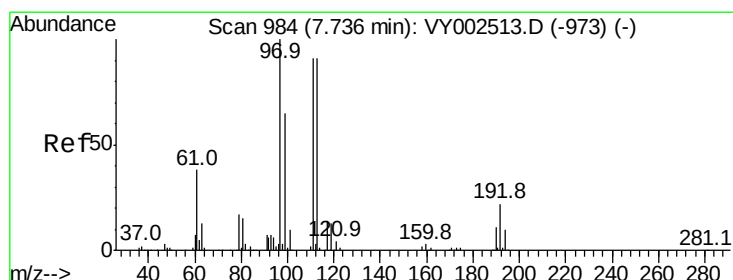
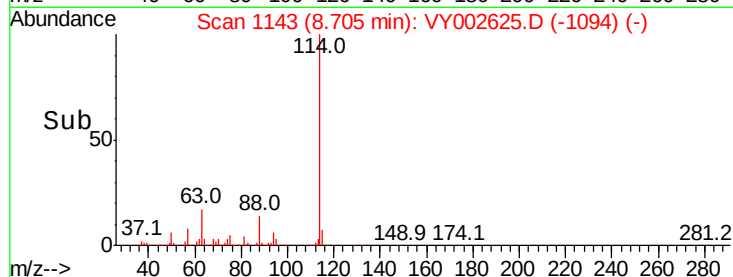
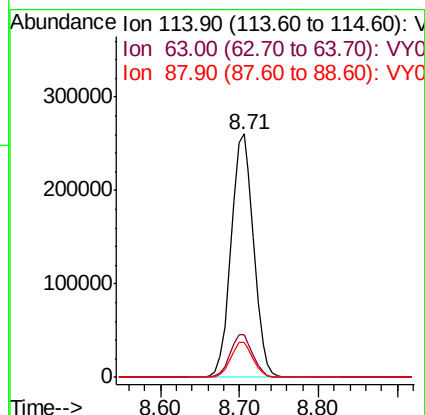
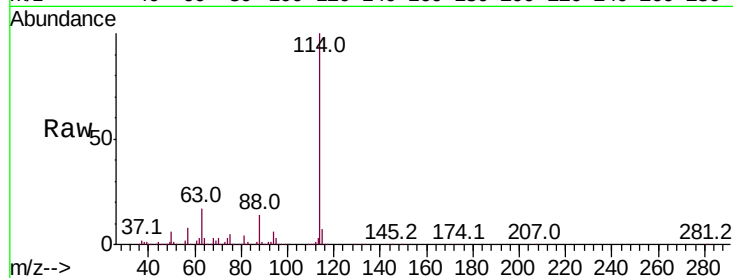




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.71 min Scan# 1143
Delta R.T. -0.00 min
Lab File: VY002625.D
Acq: 07 May 2020 12:52

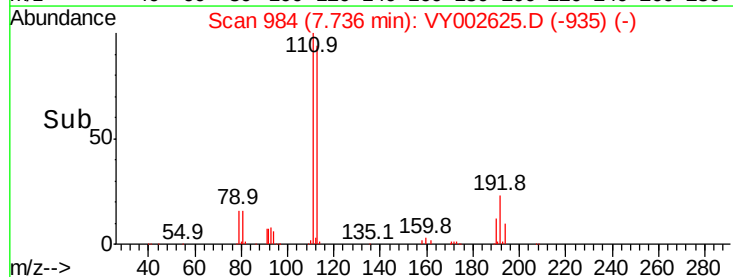
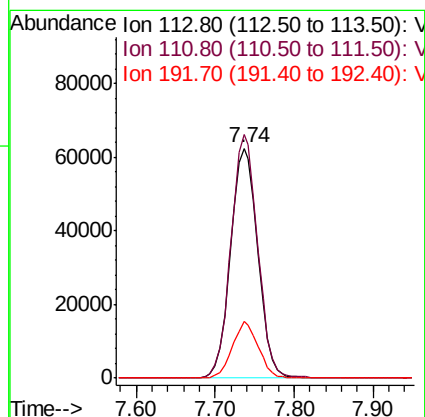
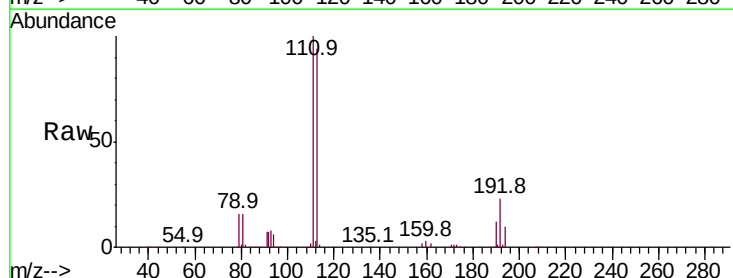
Instrument :
MSVOA_Y
ClientSampleId :
RO-14

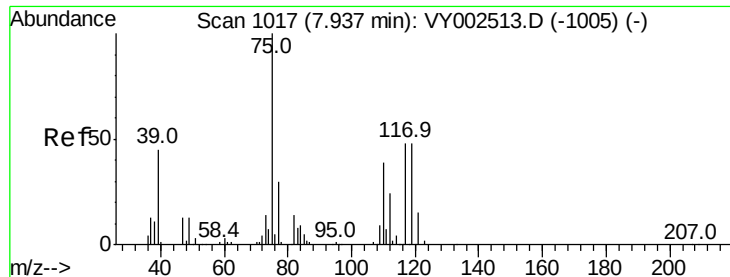
Tot Ion:114	Resp:	514118
Ion	Ratio	Lower Upper
114	100	
63	17.3	0.0 36.4
88	14.1	0.0 29.6



#35
Dibromofluoromethane
Concen: 51.053 ug/l
RT: 7.74 min Scan# 984
Delta R.T. -0.00 min
Lab File: VY002625.D
Acq: 07 May 2020 12:52

Tgt Ion:113	Resp:	150109
Ion	Ratio	Lower Upper
113	100	
111	103.6	81.8 122.6
192	23.3	18.2 27.4





#36

1,1-Dichloropropene

Concen: 4.866 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.13 min

Lab File: VY002625.D

Acq: 07 May 2020 12:52

Instrument :

MSVOA_Y

ClientSampleId :

RO-14

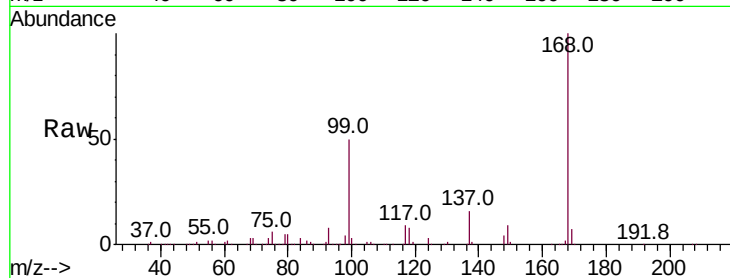
Tot Ion: 75 Resp: 20973

Ion Ratio Lower Upper

75 100

110 9.9 19.1 57.3#

77 0.2 24.6 37.0#



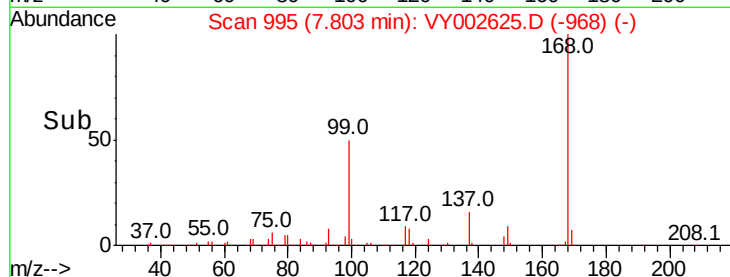
Abundance Ion 74.90 (74.60 to 75.60): VY002625.D (-968) (-)

Ion 109.90 (109.60 to 110.60): VY002625.D (-968) (-)

Ion 76.90 (76.60 to 77.60): VY002625.D (-968) (-)

7.80

Time-->



Abundance

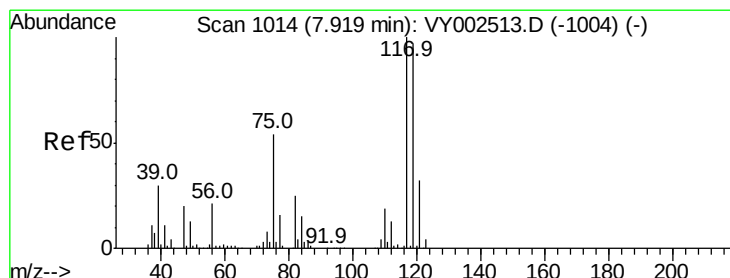
Ion 74.90 (74.60 to 75.60): VY002625.D (-968) (-)

Ion 109.90 (109.60 to 110.60): VY002625.D (-968) (-)

Ion 76.90 (76.60 to 77.60): VY002625.D (-968) (-)

7.80

Time-->



#38

Carbon Tetrachloride

Concen: 6.186 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.12 min

Lab File: VY002625.D

Acq: 07 May 2020 12:52

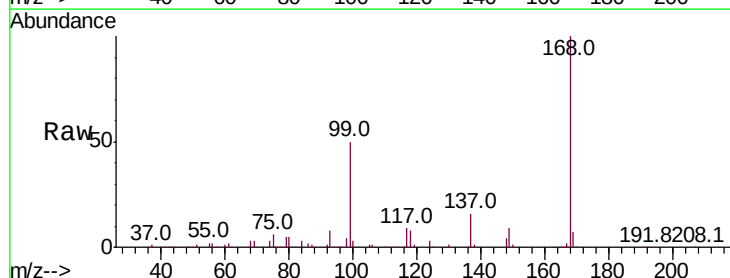
Tgt Ion: 117 Resp: 29107

Ion Ratio Lower Upper

117 100

119 6.3 77.1 115.7#

121 0.0 25.2 37.8#



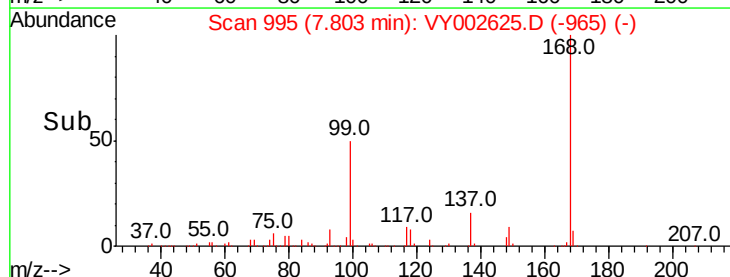
Abundance Ion 116.80 (116.50 to 117.50): VY002625.D (-965) (-)

Ion 118.80 (118.50 to 119.50): VY002625.D (-965) (-)

Ion 120.80 (120.50 to 121.50): VY002625.D (-965) (-)

7.80

Time-->



Abundance

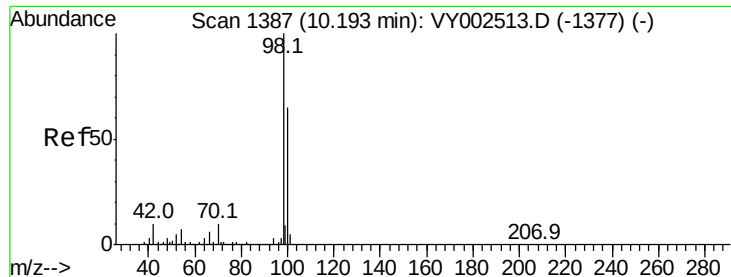
Ion 116.80 (116.50 to 117.50): VY002625.D (-965) (-)

Ion 118.80 (118.50 to 119.50): VY002625.D (-965) (-)

Ion 120.80 (120.50 to 121.50): VY002625.D (-965) (-)

7.80

Time-->



#50

Toluene-d8

Concen: 51.903 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.01 min

Lab File: VY002625.D

Acq: 07 May 2020 12:52

Instrument :

MSVOA_Y

ClientSampleId :

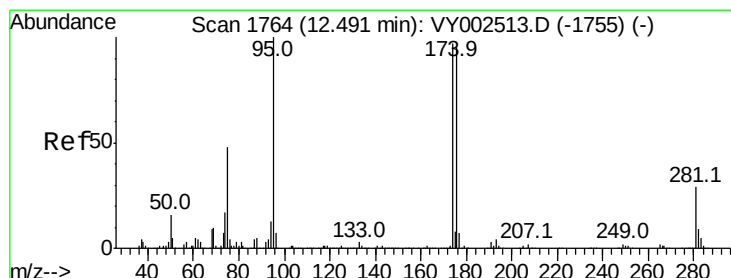
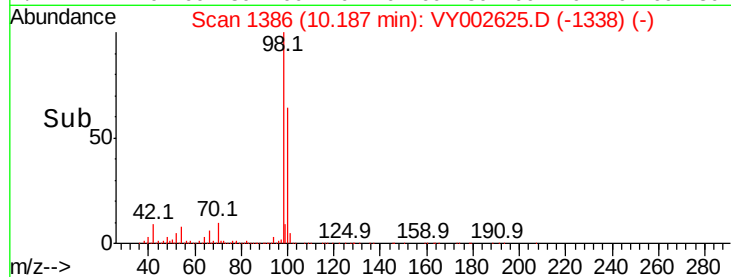
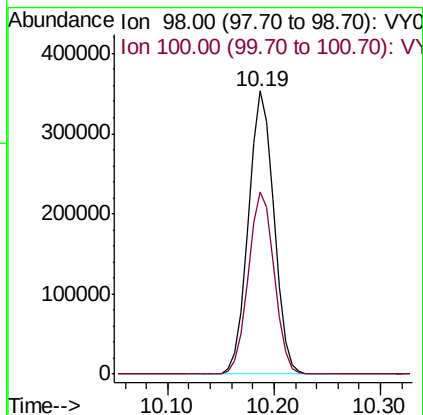
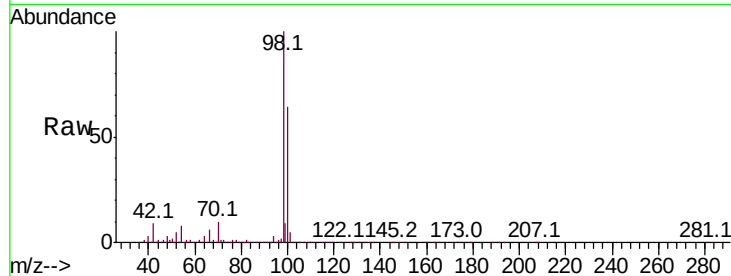
RO-14

Tot Ion: 98 Resp: 595957

Ion Ratio Lower Upper

98 100

100 65.2 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 46.665 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VY002625.D

Acq: 07 May 2020 12:52

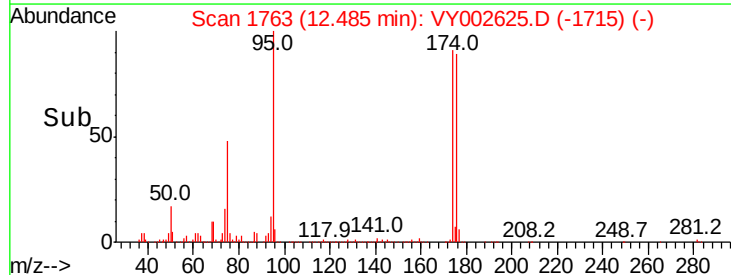
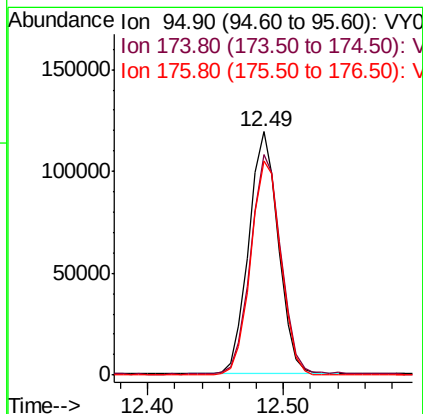
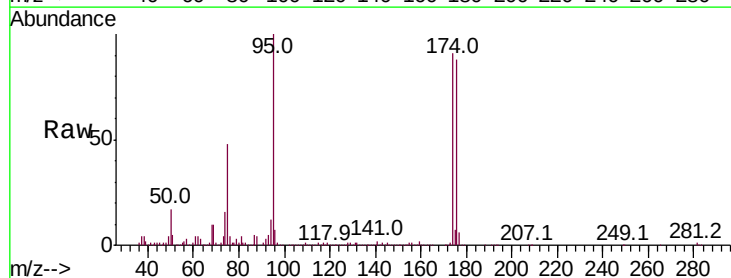
Tgt Ion: 95 Resp: 181816

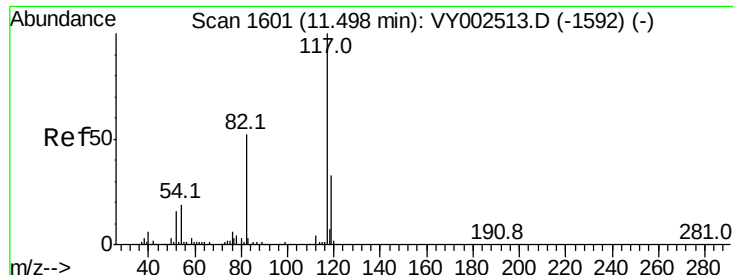
Ion Ratio Lower Upper

95 100

174 96.2 0.0 188.8

176 89.9 0.0 183.2

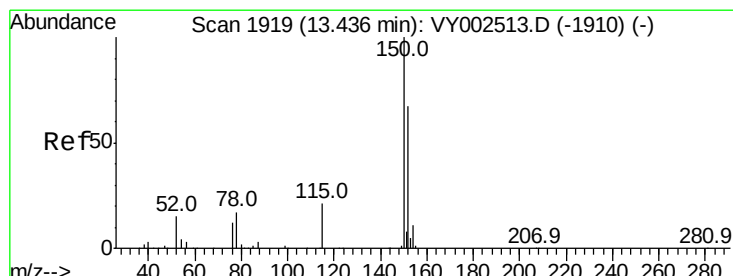
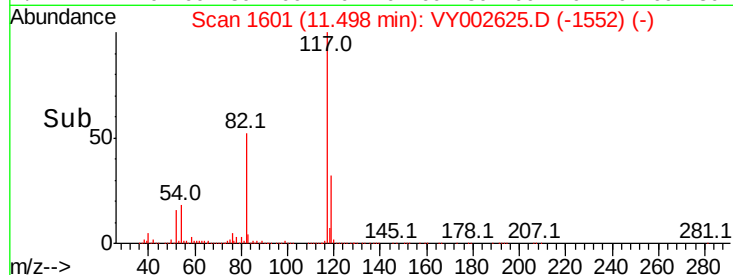
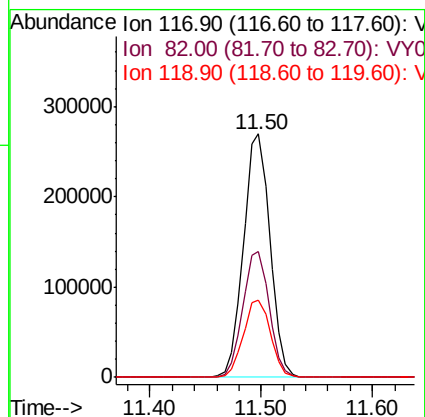
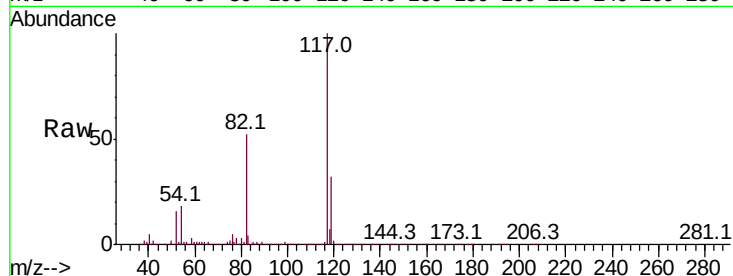




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VY002625.D
Acq: 07 May 2020 12:52

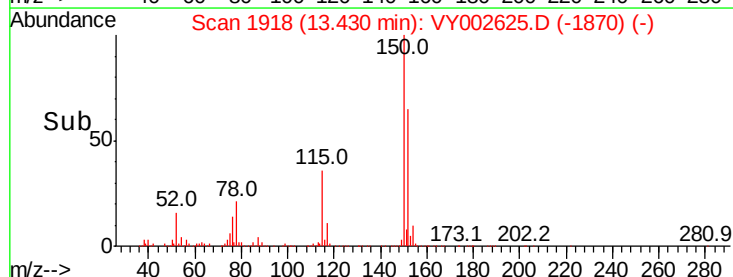
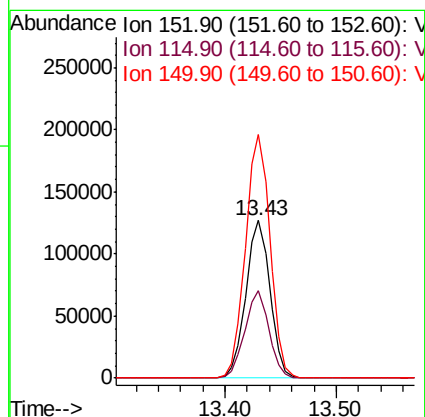
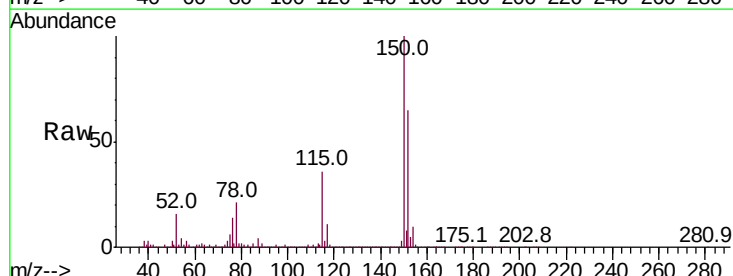
Instrument :
MSVOA_Y
ClientSampleId :
RO-14

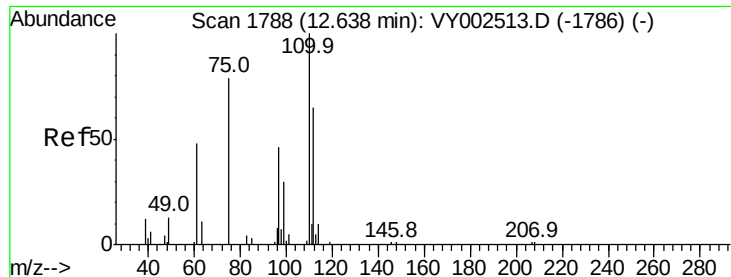
Tot Ion:117 Resp: 444428
Ion Ratio Lower Upper
117 100
82 51.6 41.3 61.9
119 31.7 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY002625.D
Acq: 07 May 2020 12:52

Tgt Ion:152 Resp: 189927
Ion Ratio Lower Upper
152 100
115 55.2 27.5 82.4
150 157.8 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 51.759 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY002625.D

Acq: 07 May 2020 12:52

Instrument :

MSVOA_Y

ClientSampleId :

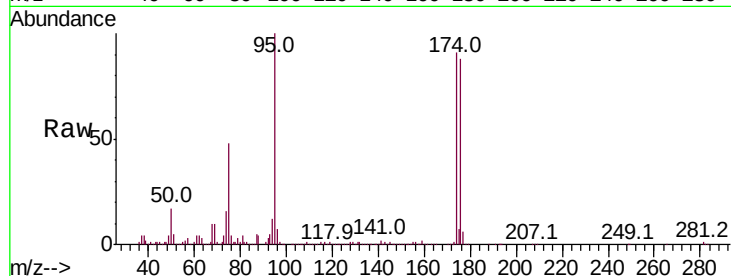
RO-14

Tot Ion: 75 Resp: 87360

Ion Ratio Lower Upper

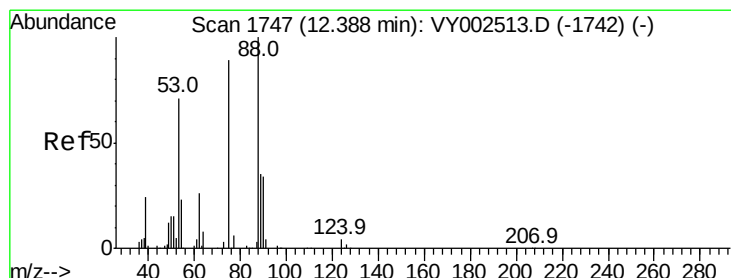
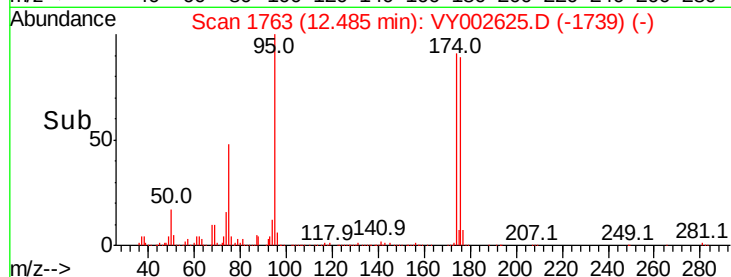
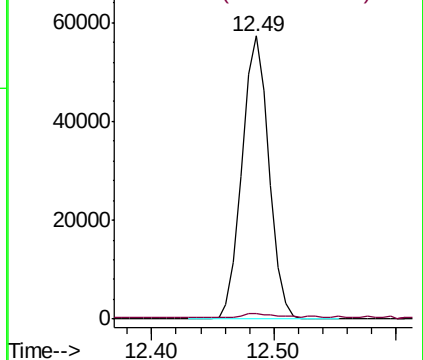
75 100

77 2.0 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: 103.787 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002625.D

Acq: 07 May 2020 12:52

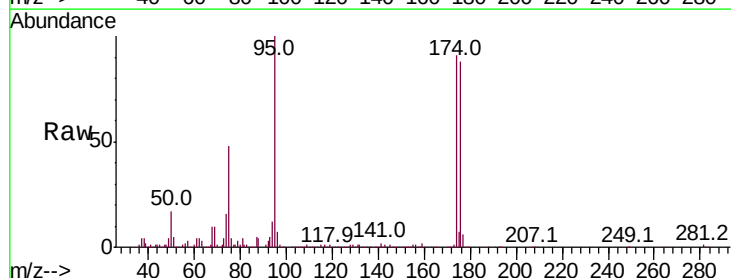
Tgt Ion: 75 Resp: 87360

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.0#

89 0.2 37.4 56.0#



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

