

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY061520\
 Data File : VY002897.D
 Acq On : 15 Jun 2020 12:44
 Operator : SY/MD
 Sample : L3013-03
 Misc : 7.75G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 V-202

Quant Time: Jun 16 01:59:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 13:13:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	243924	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	387882	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	351801	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	151957	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	118153	55.79	ug/l	0.00
Spiked Amount			Recovery	=	111.58%	
35) Dibromofluoromethane	7.73	113	119824	52.71	ug/l	0.00
Spiked Amount			Recovery	=	105.42%	
50) Toluene-d8	10.18	98	449556	48.91	ug/l	0.00
Spiked Amount			Recovery	=	97.82%	
62) 4-Bromofluorobenzene	12.48	95	141527	45.06	ug/l	0.00
Spiked Amount			Recovery	=	90.12%	

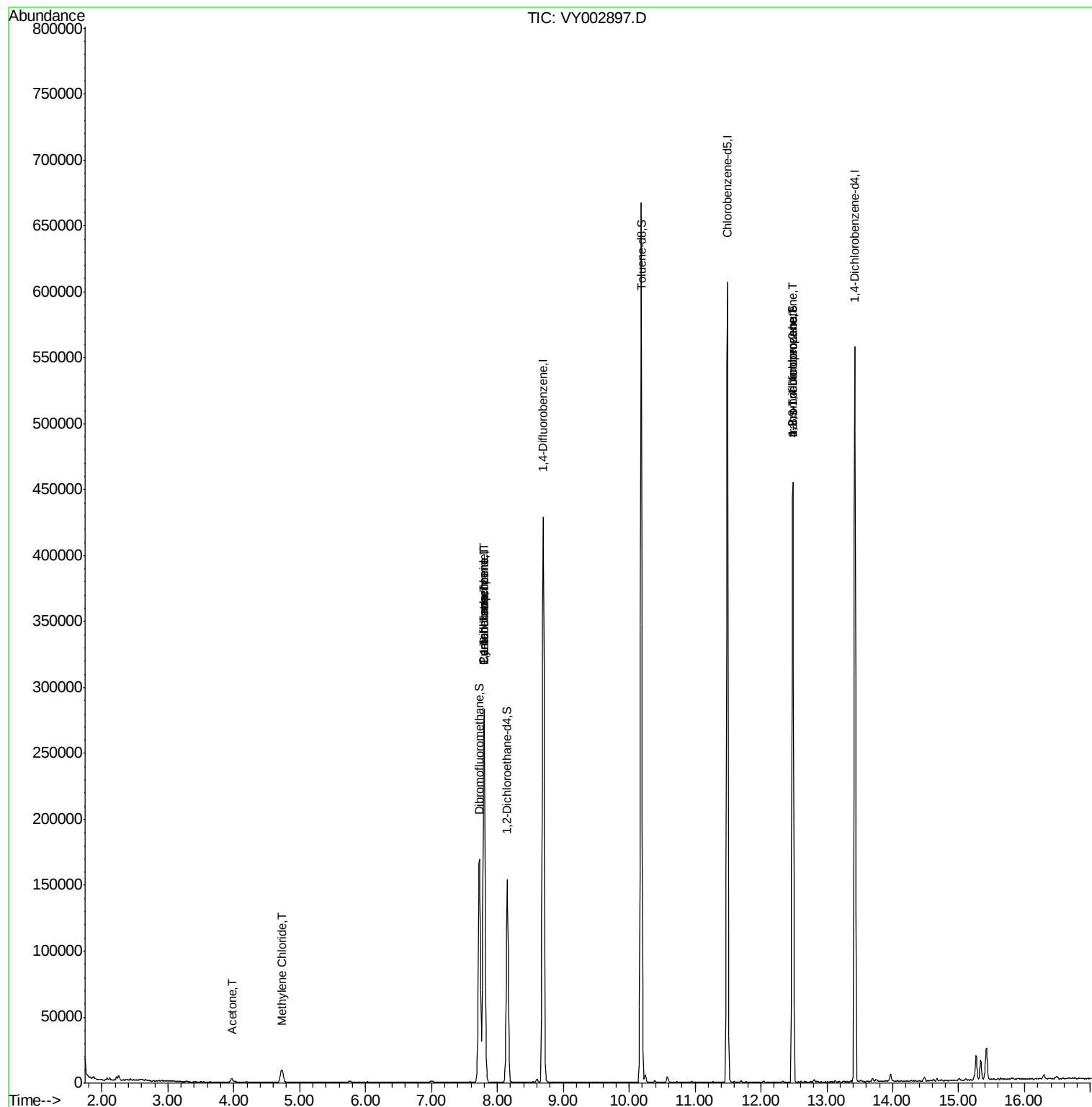
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.05	59	18	Below Cal	#	74
16) Acetone	3.97	43	4872	9.810	ug/l #	85
18) Methyl Acetate	4.49	43	791	Below Cal	#	80
20) Methylene Chloride	4.74	84	8310	3.424	ug/l	91
31) Cyclohexane	7.80	56	3638	1.013	ug/l #	1
36) 1,1-Dichloropropene	7.79	75	14427	4.415	ug/l #	50
38) Carbon Tetrachloride	7.80	117	21241	5.852	ug/l #	16
76) 1,2,3-Trichloropropane	12.48	75	67759	49.487	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	67759	93.233	ug/l #	17

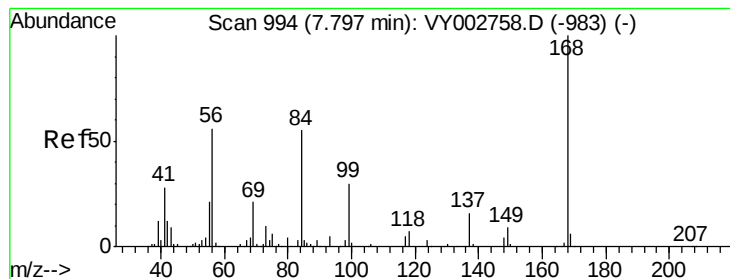
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY002897.D

Acq: 15 Jun 2020 12:44

Instrument :

MSVOA_Y

ClientSampleId :

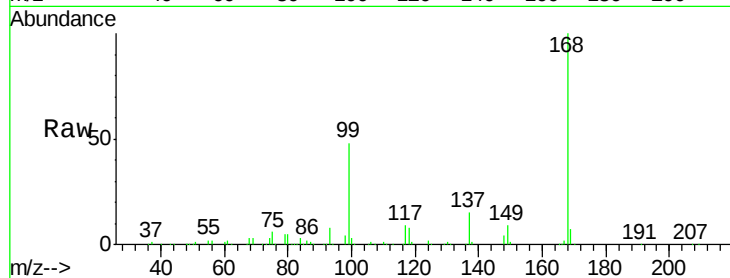
V-202

Tot Ion:168 Resp: 243924

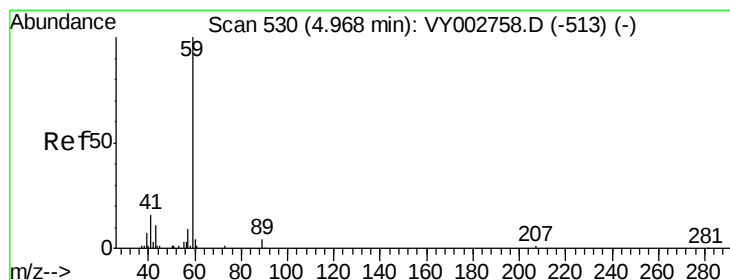
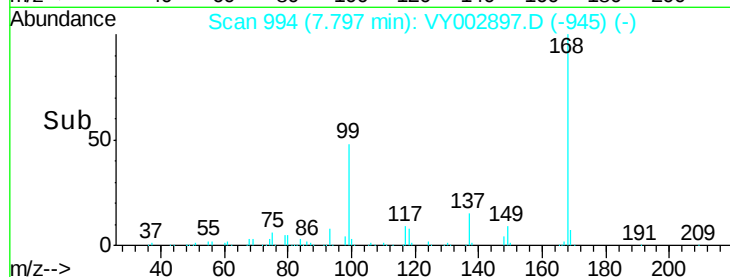
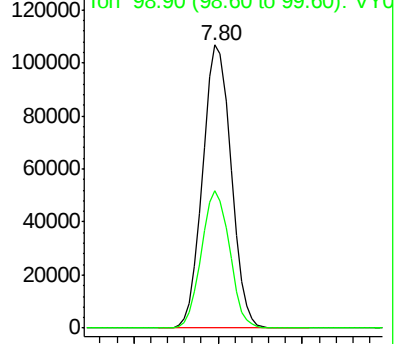
Ion Ratio Lower Upper

168 100

99 48.4 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): VY002897.D (-945) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.05 min Scan# 543

Delta R.T. 0.08 min

Lab File: VY002897.D

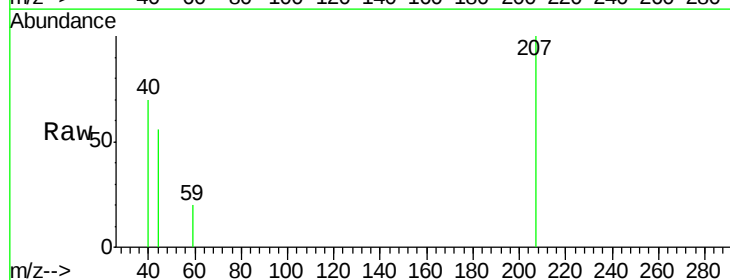
Acq: 15 Jun 2020 12:44

Tgt Ion: 59 Resp: 18

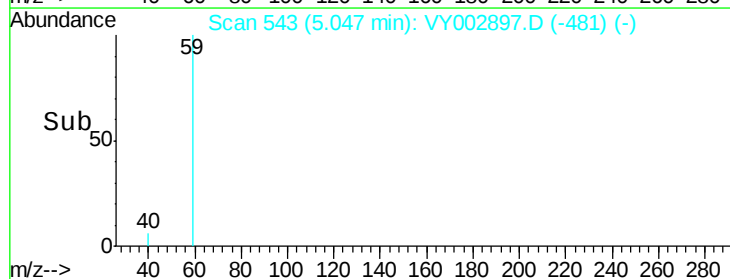
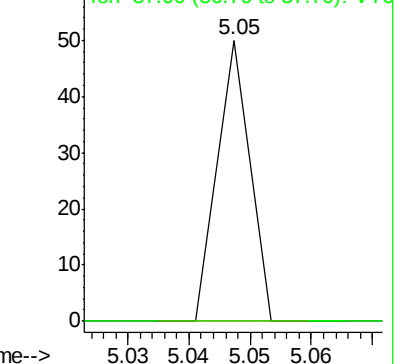
Ion Ratio Lower Upper

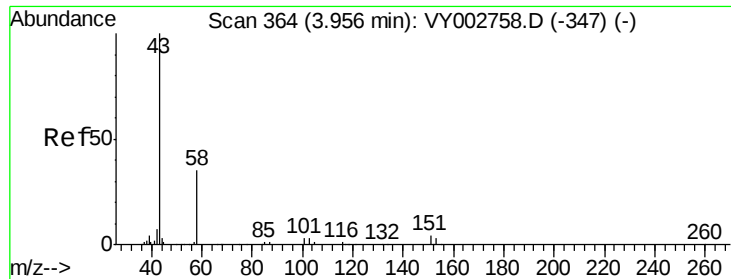
59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VY002897.D (-481) (-)





#16

Acetone

Concen: 9.810 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.02 min

Lab File: VY002897.D

Acq: 15 Jun 2020 12:44

Instrument :

MSVOA_Y

ClientSampleId :

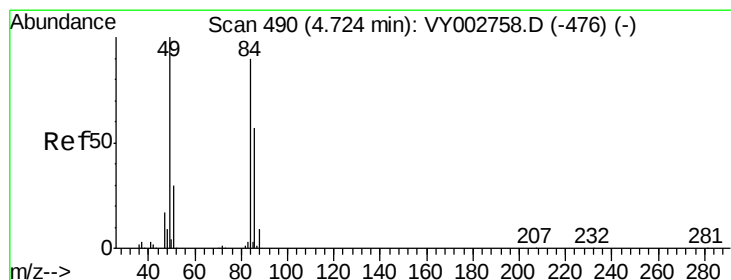
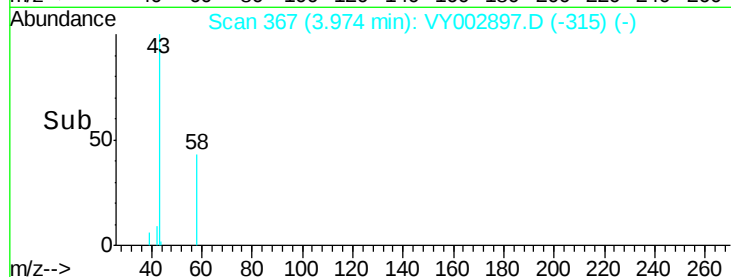
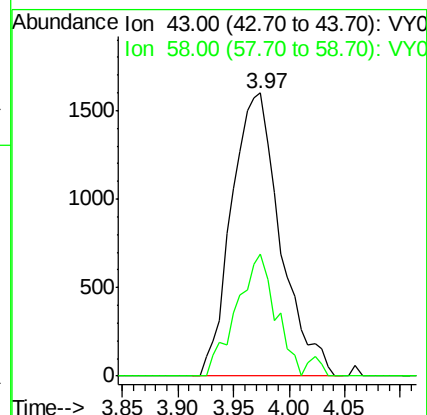
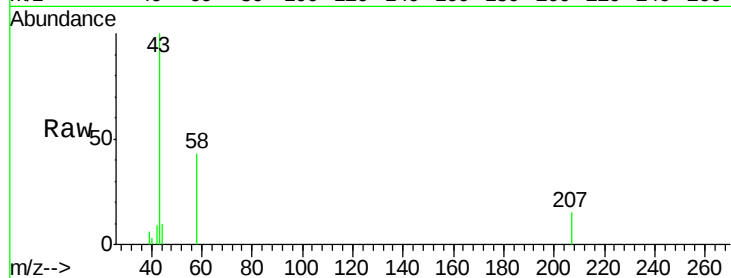
V-202

Tot Ion: 43 Resp: 4872

Ion Ratio Lower Upper

43 100

58 43.0 27.7 41.5#



#20

Methylene Chloride

Concen: 3.424 ug/l

RT: 4.74 min Scan# 492

Delta R.T. 0.01 min

Lab File: VY002897.D

Acq: 15 Jun 2020 12:44

Tgt Ion: 84 Resp: 8310

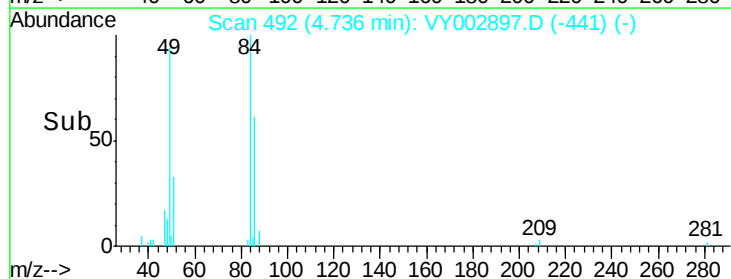
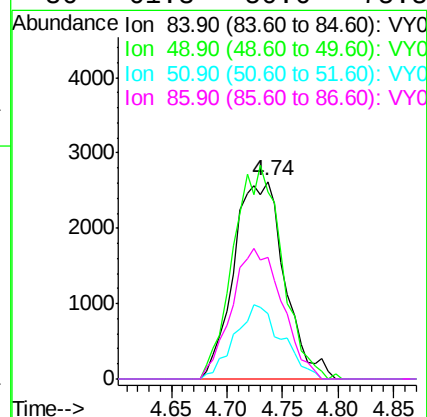
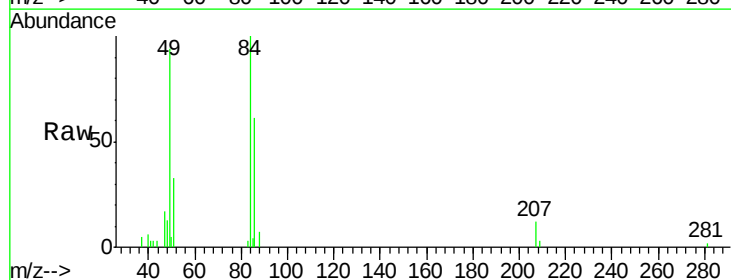
Ion Ratio Lower Upper

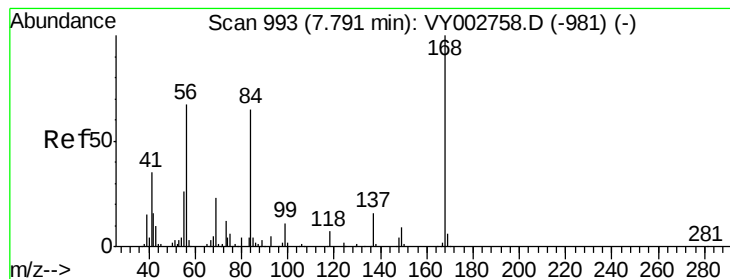
84 100

49 94.4 88.5 132.7

51 32.9 26.8 40.2

86 61.3 50.6 75.8





#31

Cyclohexane

Concen: 1.013 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY002897.D

Acq: 15 Jun 2020 12:44

Instrument :

MSVOA_Y

ClientSampled :

V-202

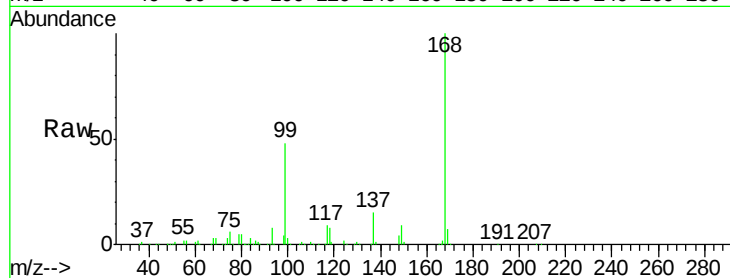
Tot Ion: 56 Resp: 3638

Ion Ratio Lower Upper

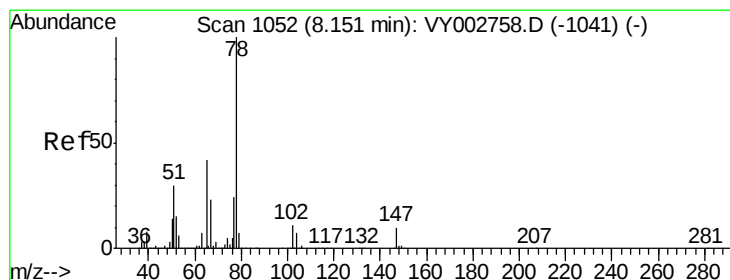
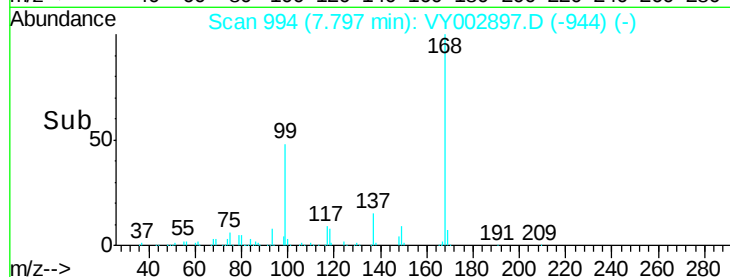
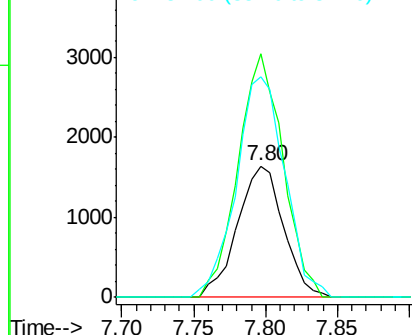
56 100

69 185.5 28.0 42.0#

84 174.7 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: 55.787 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY002897.D

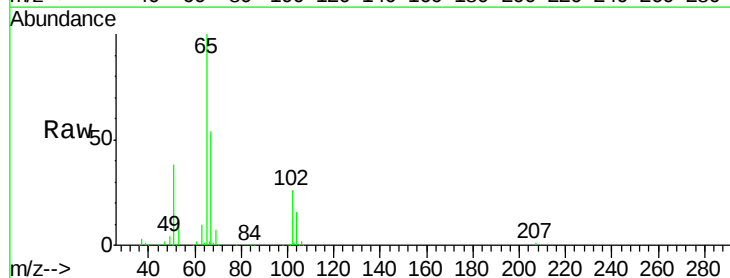
Acq: 15 Jun 2020 12:44

Tgt Ion: 65 Resp: 118153

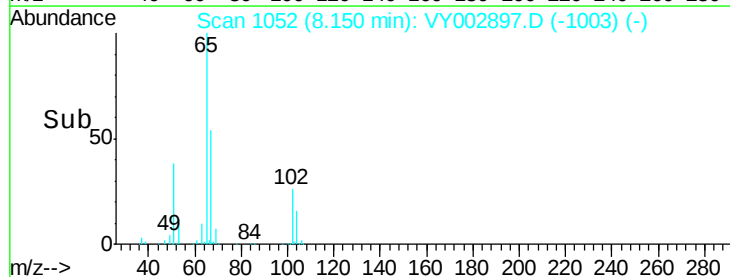
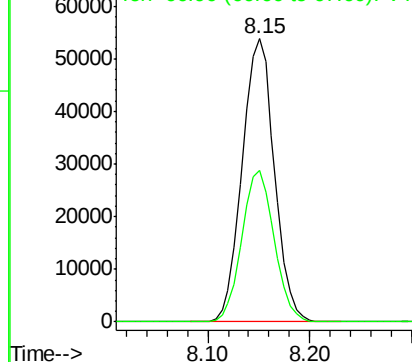
Ion Ratio Lower Upper

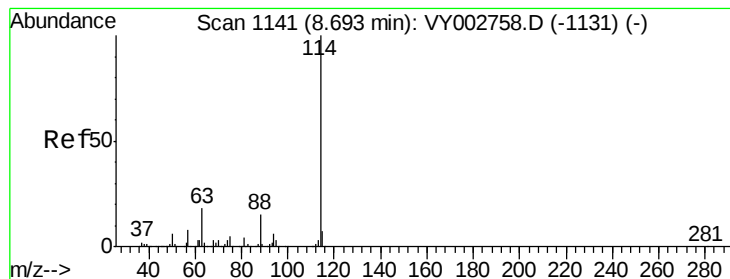
65 100

67 53.7 0.0 111.0



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: VY002897.D

Acq: 15 Jun 2020 12:44

Instrument :

MSVOA_Y

ClientSampleId :

V-202

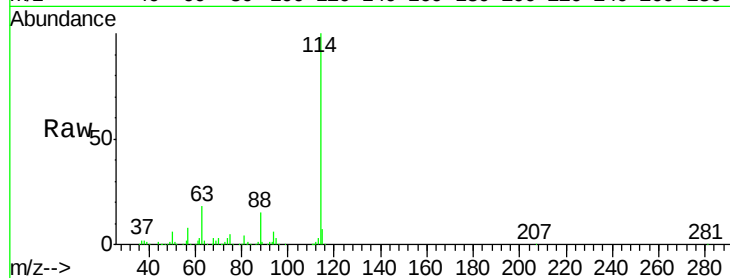
Tot Ion:114 Resp: 387882

Ion Ratio Lower Upper

114 100

63 18.5 0.0 35.2

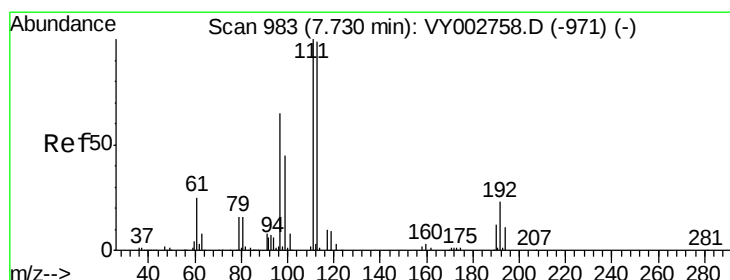
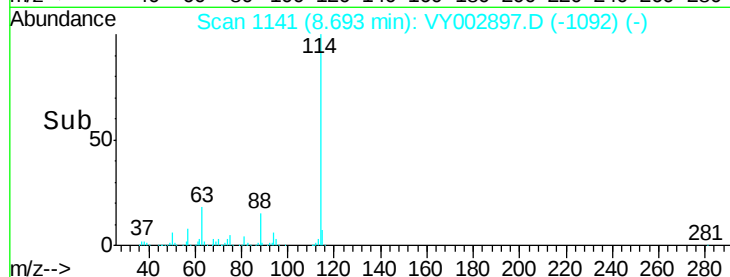
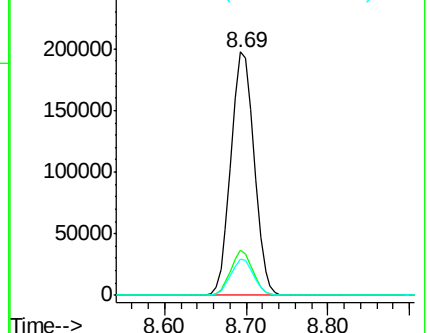
88 15.1 0.0 29.2



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: 52.712 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY002897.D

Acq: 15 Jun 2020 12:44

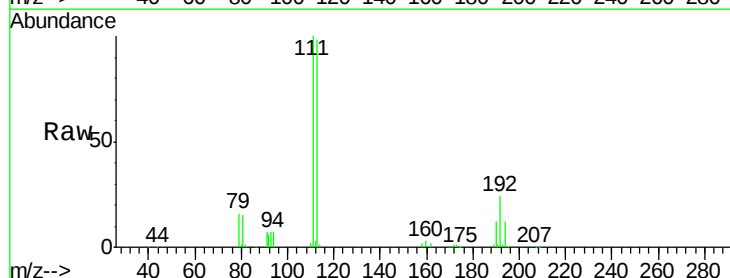
Tgt Ion:113 Resp: 119824

Ion Ratio Lower Upper

113 100

111 102.5 82.0 123.0

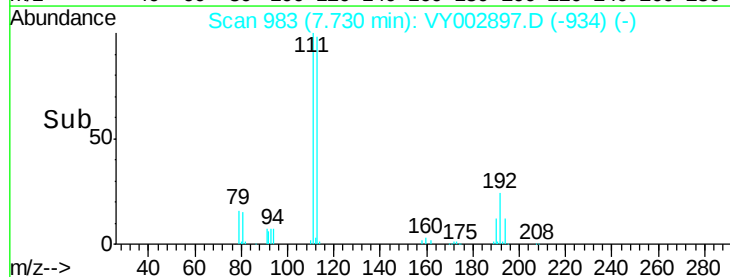
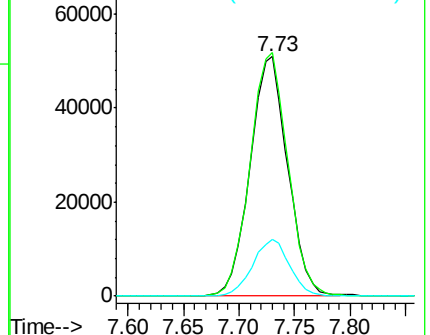
192 23.5 18.9 28.3

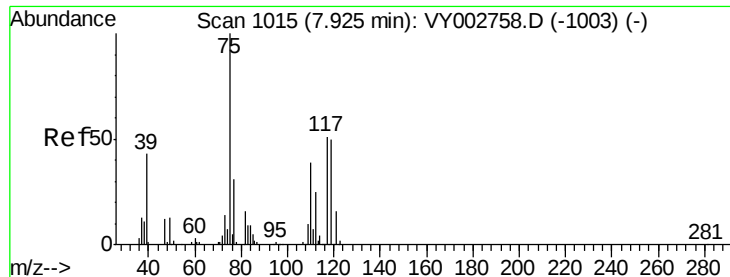


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

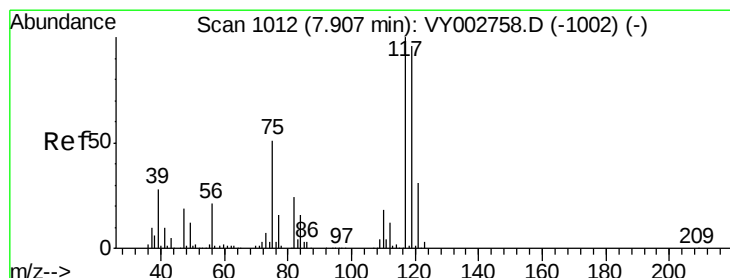
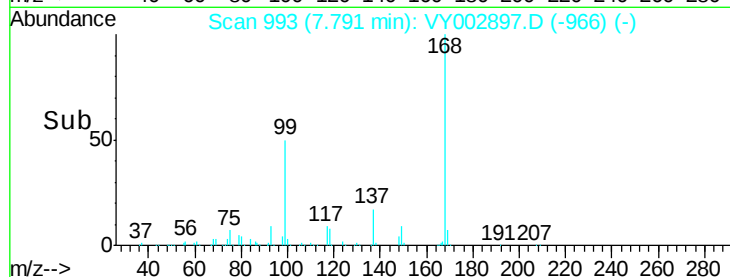
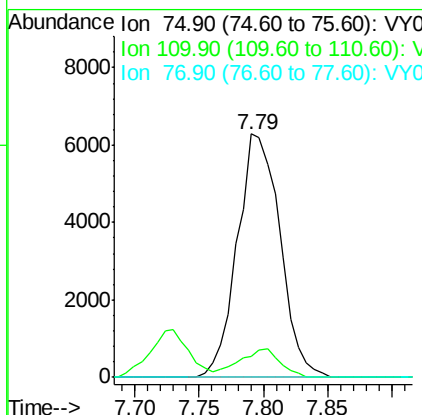
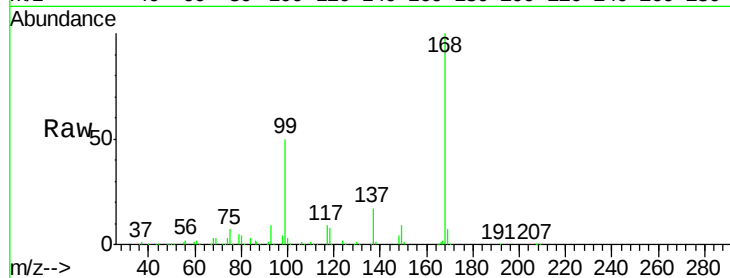




#36
 1,1-Dichloropropene
 Concen: 4.415 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VY002897.D
 Acq: 15 Jun 2020 12:44

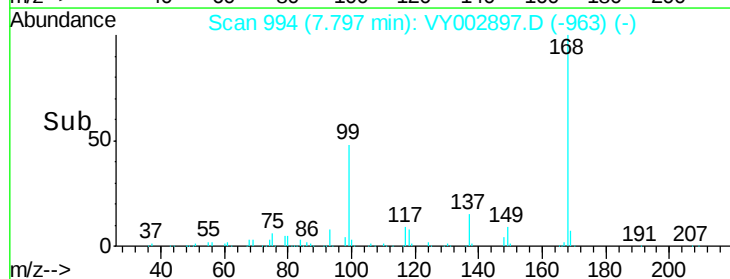
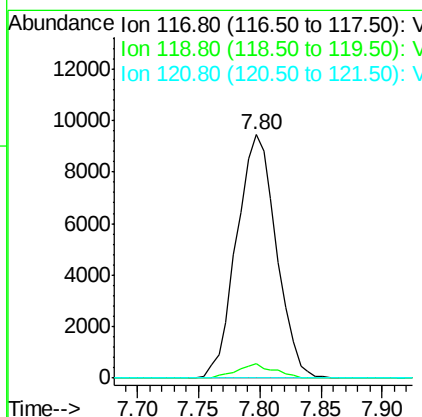
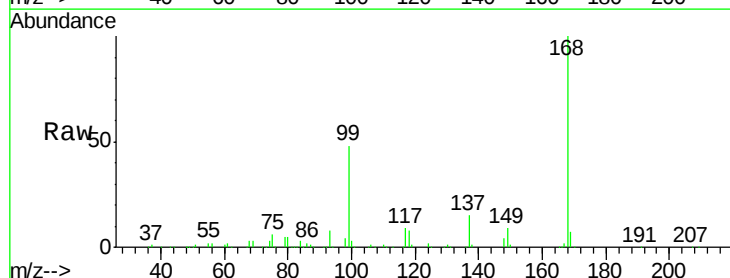
Instrument :
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 ClientSampleId :
 V-202

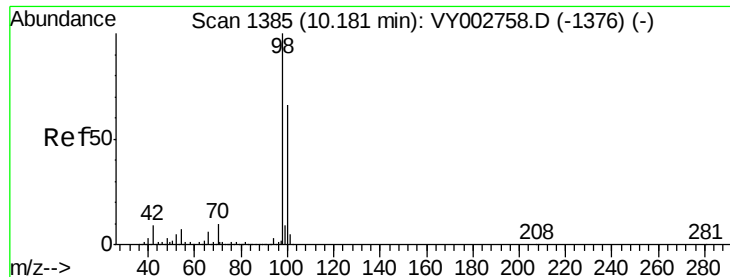
Tot Ion	75	Resp	14427
Ion Ratio	Lower	Upper	
75	100		
110	11.3	19.3	57.9#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 5.852 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.11 min
 Lab File: VY002897.D
 Acq: 15 Jun 2020 12:44

Tgt Ion	117	Resp	21241
Ion Ratio	Lower	Upper	
117	100		
119	5.7	76.8	115.2#
121	0.0	24.8	37.2#





#50

Toluene-d8

Concen: 48.912 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY002897.D

Acq: 15 Jun 2020 12:44

Instrument :

MSVOA_Y

ClientSampleId :

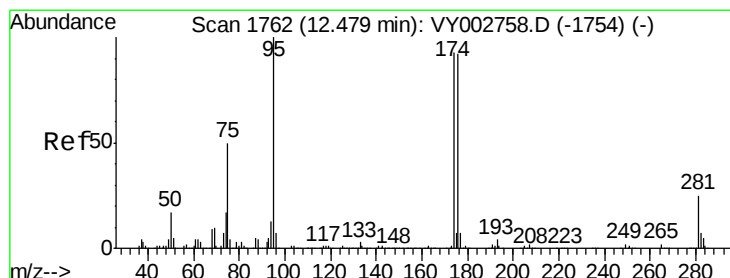
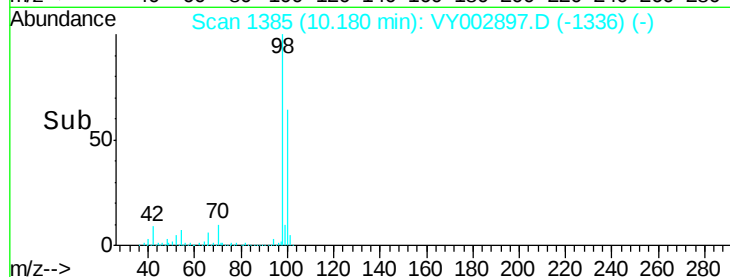
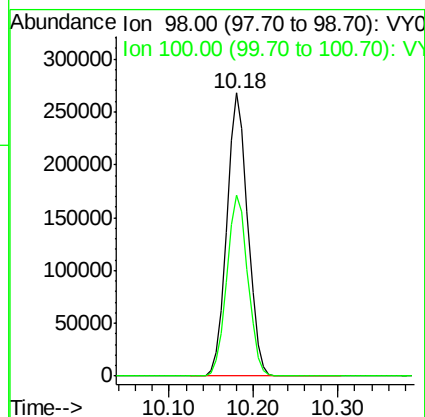
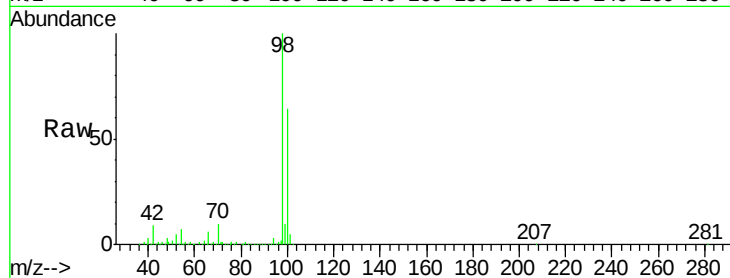
V-202

Tot Ion: 98 Resp: 449556

Ion Ratio Lower Upper

98 100

100 64.6 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 45.057 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY002897.D

Acq: 15 Jun 2020 12:44

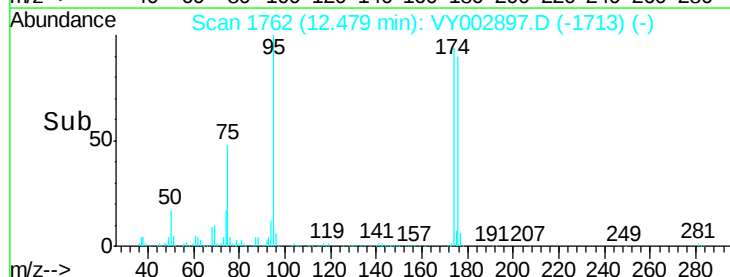
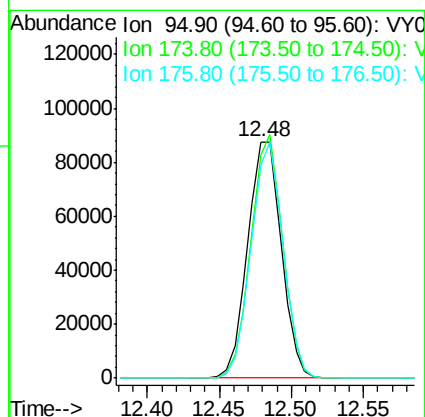
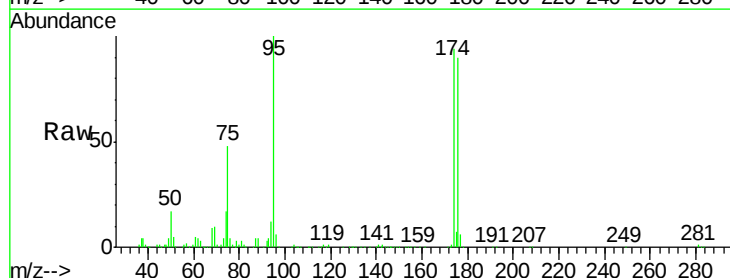
Tgt Ion: 95 Resp: 141527

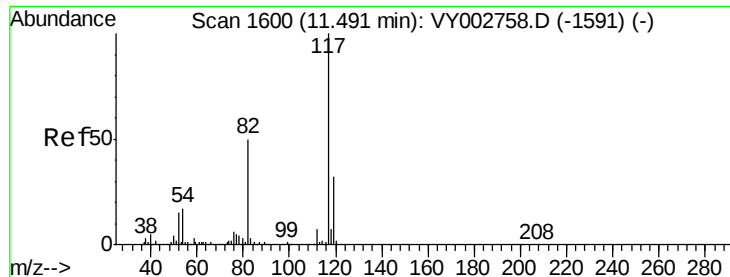
Ion Ratio Lower Upper

95 100

174 97.3 0.0 191.2

176 94.6 0.0 188.8

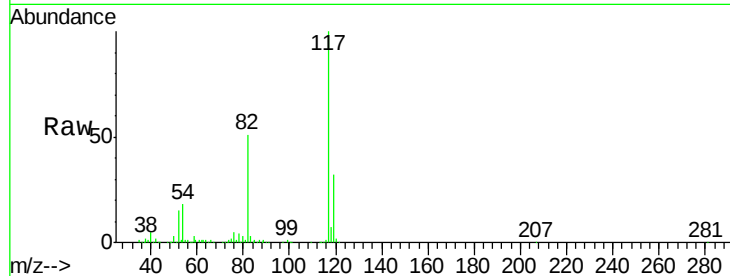




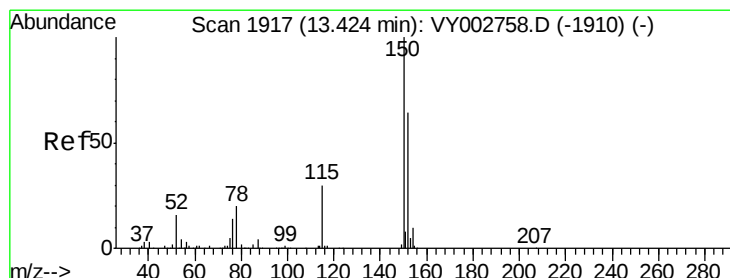
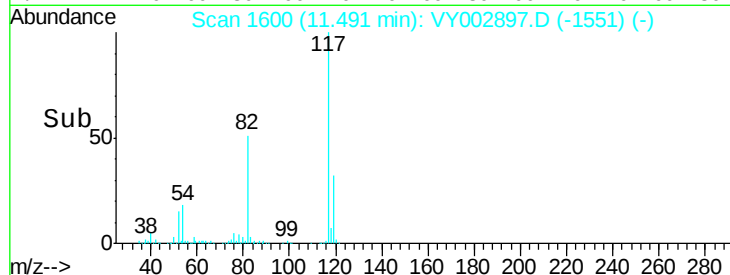
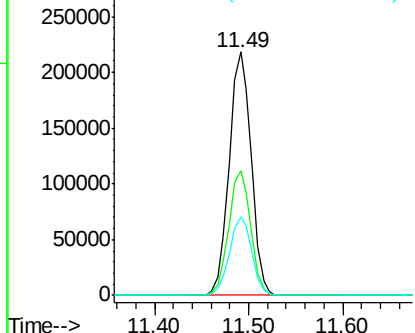
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY002897.D
Acq: 15 Jun 2020 12:44

Instrument :
MSVOA_Y
ClientSampled :
V-202

Tot Ion:117 Resp: 351801
Ion Ratio Lower Upper
117 100
82 51.0 40.2 60.4
119 32.4 25.8 38.8

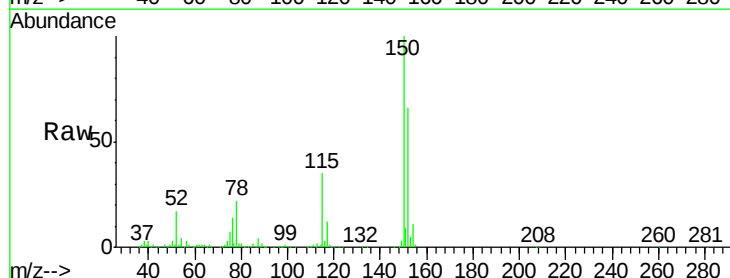


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

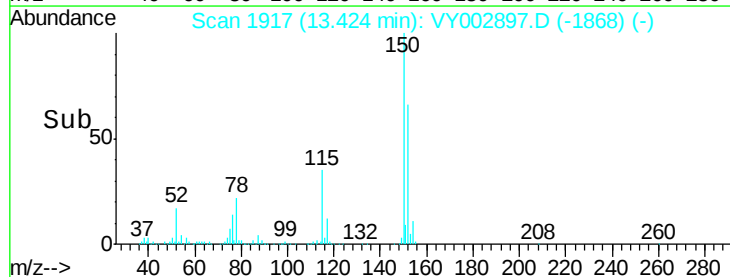
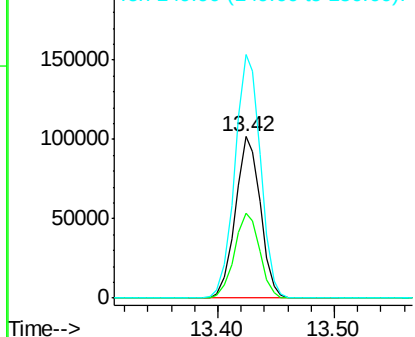


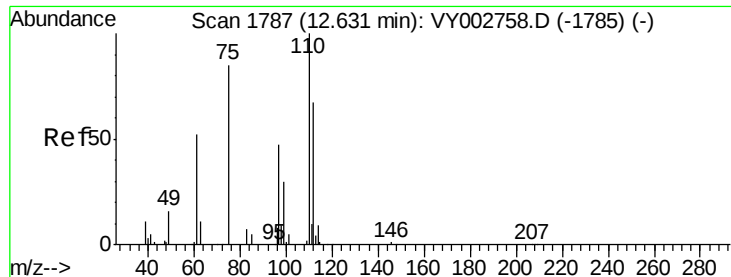
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY002897.D
Acq: 15 Jun 2020 12:44

Tgt Ion:152 Resp: 151957
Ion Ratio Lower Upper
152 100
115 53.1 27.0 81.0
150 154.3 0.0 344.8



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: 49.487 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY002897.D

Acq: 15 Jun 2020 12:44

Instrument :

MSVOA_Y

ClientSampleId :

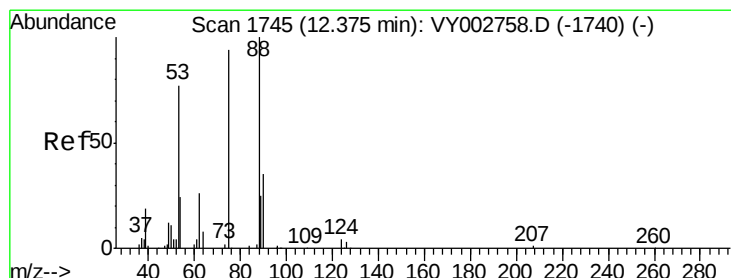
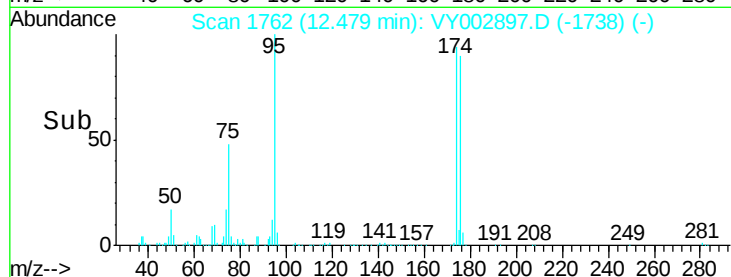
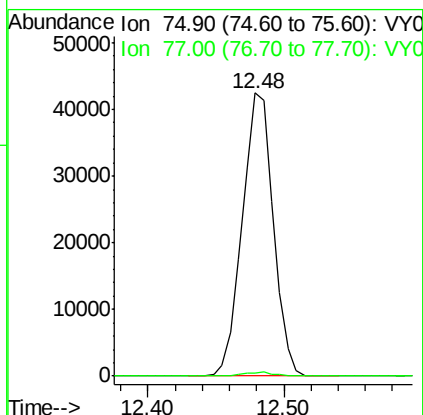
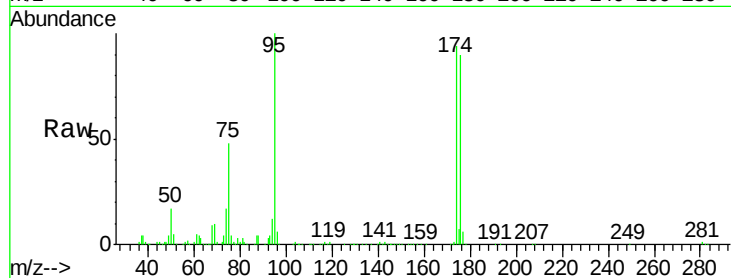
V-202

Tot Ion: 75 Resp: 67759

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 93.233 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY002897.D

Acq: 15 Jun 2020 12:44

Tgt Ion: 75 Resp: 67759

Ion Ratio Lower Upper

75 100

53 0.0 64.0 96.0#

89 0.0 37.4 56.2#

