

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY061620\
 Data File : VY002908.D
 Acq On : 16 Jun 2020 14:34
 Operator : SY/MD
 Sample : L3020-03
 Misc : 7.30G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MW-24(19-21)

Quant Time: Jun 17 01:47:05 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	226114	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	370430	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	351926	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	179529	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	112635	57.37	ug/l	0.00
Spiked Amount			Recovery	=	114.74%	
35) Dibromofluoromethane	7.72	113	112709	51.92	ug/l	0.00
Spiked Amount			Recovery	=	103.84%	
50) Toluene-d8	10.18	98	437712	49.87	ug/l	0.00
Spiked Amount			Recovery	=	99.74%	
62) 4-Bromofluorobenzene	12.48	95	147649	49.22	ug/l	0.00
Spiked Amount			Recovery	=	98.44%	

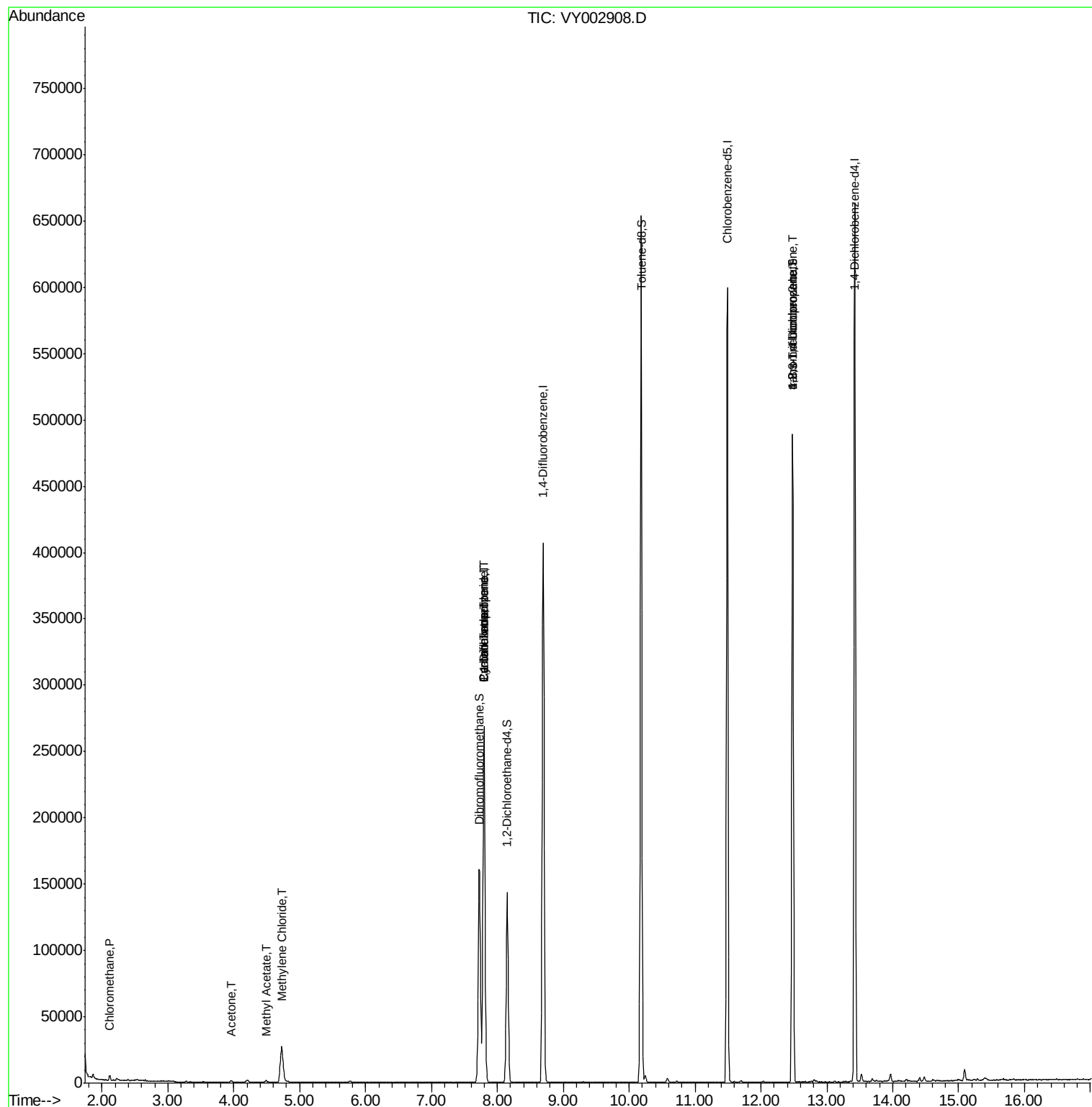
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.12	50	3426	1.991	ug/l	96
11) Tert butyl alcohol	4.94	59	120	Below Cal	#	74
16) Acetone	3.96	43	1677	3.643	ug/l	91
18) Methyl Acetate	4.49	43	2481	1.203	ug/l	94
20) Methylene Chloride	4.72	84	22283	9.904	ug/l	97
31) Cyclohexane	7.80	56	3561	1.069	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	13968	4.476	ug/l #	48
38) Carbon Tetrachloride	7.80	117	20393	5.883	ug/l #	15
76) 1,2,3-Trichloropropane	12.48	75	73186	45.241	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	73186	85.235	ug/l #	17

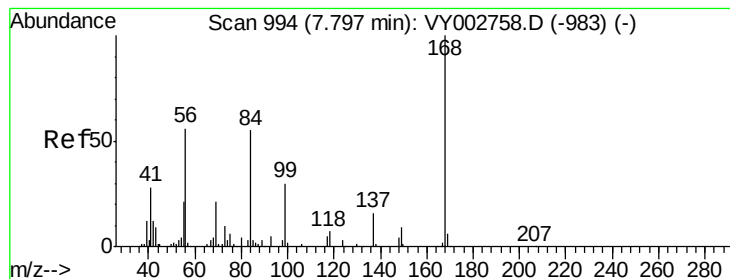
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed May 27 13:13:33 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: VY002908.D

Acq: 16 Jun 2020 14:34

Instrument :

MSVOA_Y

ClientSampled :

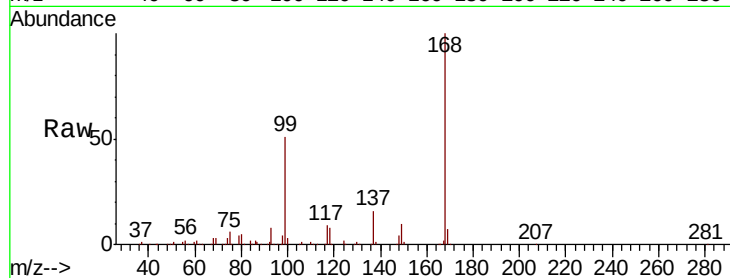
MW-24(19-21)

Tot Ion:168 Resp: 226114

Ion Ratio Lower Upper

168 100

99 51.4 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): VY002908.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY002908.D (-945) (-)

7.80

100000

80000

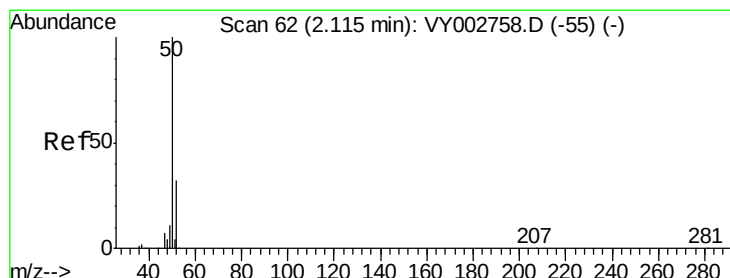
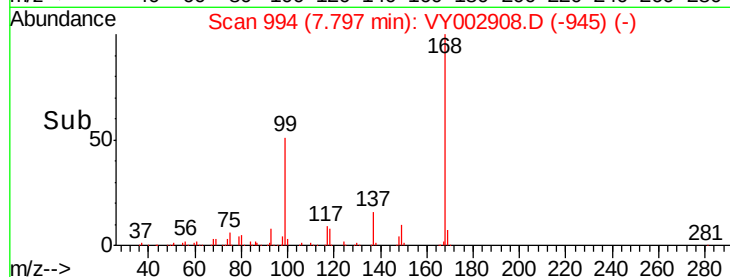
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 1.991 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY002908.D

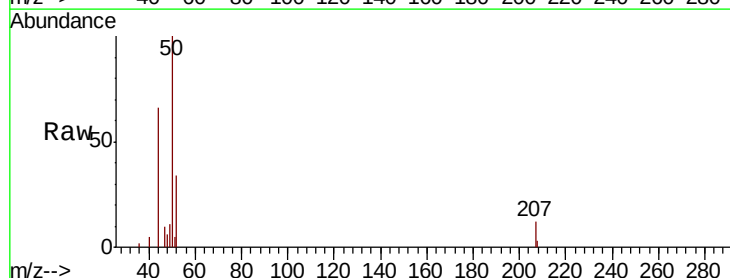
Acq: 16 Jun 2020 14:34

Tgt Ion: 50 Resp: 3426

Ion Ratio Lower Upper

50 100

52 34.3 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VY002908.D (-13) (-)

Ion 51.90 (51.60 to 52.60): VY002908.D (-13) (-)

2.12

2500

2000

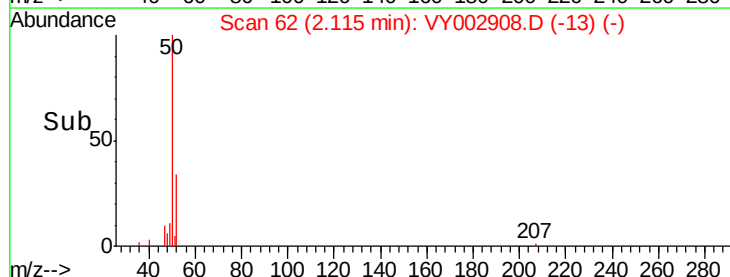
1500

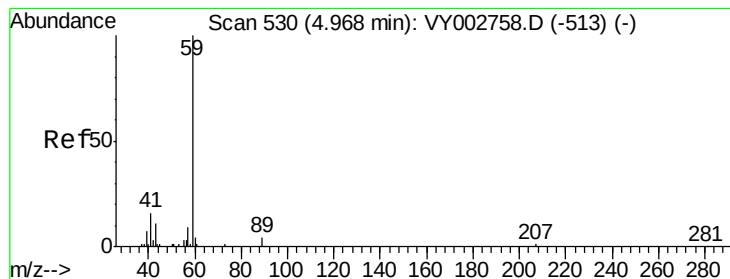
1000

500

0

Time-->



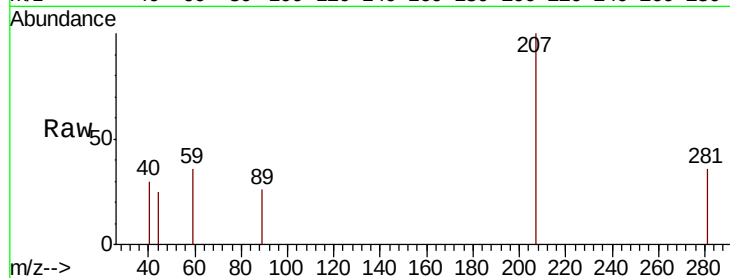


#11

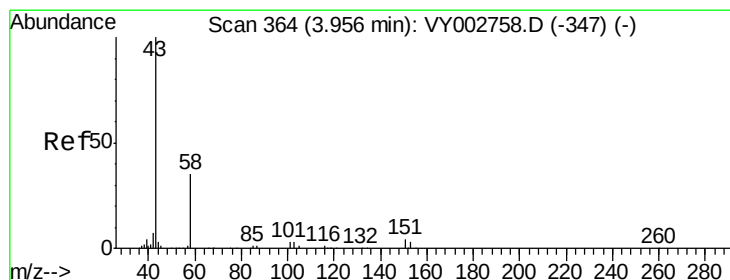
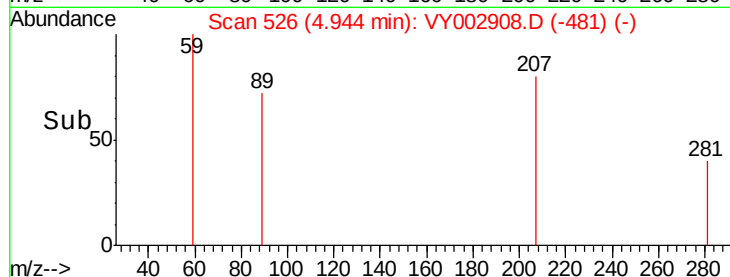
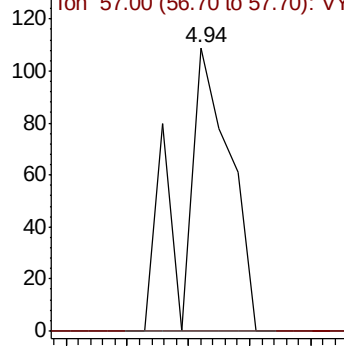
Tert butyl alcohol
 Concen: Below Cal
 RT: 4.94 min Scan# 526
 Delta R.T. -0.02 min
 Lab File: VY002908.D
 Acq: 16 Jun 2020 14:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 MW-24(19-21)

Tot Ion: 59 Resp: 120
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.7 11.5#



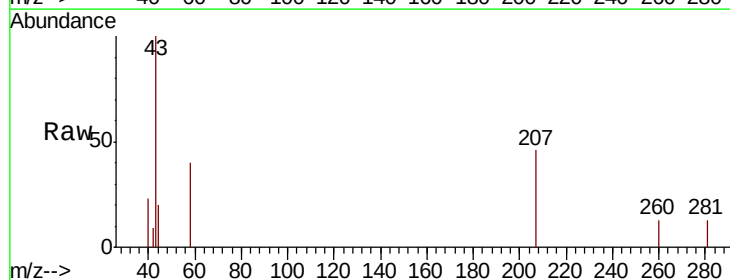
Abundance Ion 59.00 (58.70 to 59.70): VY0
 Ion 57.00 (56.70 to 57.70): VY0



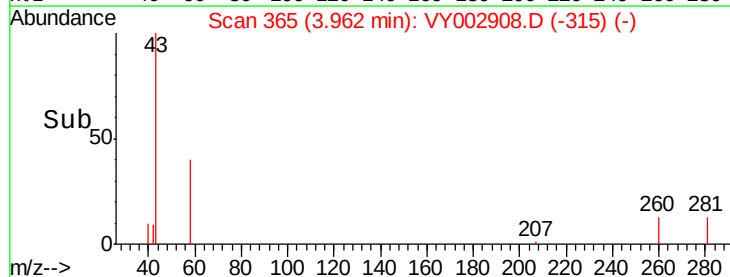
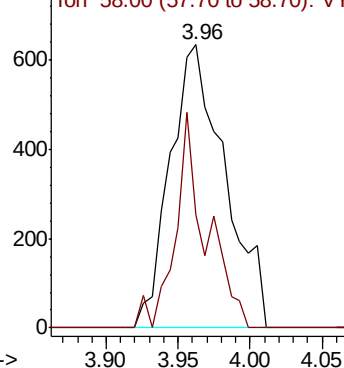
#16

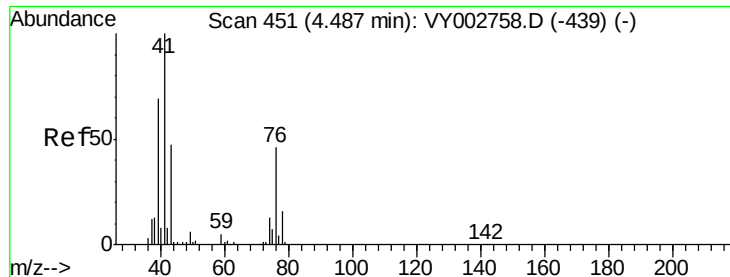
Acetone
 Concen: 3.643 ug/l
 RT: 3.96 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VY002908.D
 Acq: 16 Jun 2020 14:34

Tgt Ion: 43 Resp: 1677
 Ion Ratio Lower Upper
 43 100
 58 40.1 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VY0
 Ion 58.00 (57.70 to 58.70): VY0

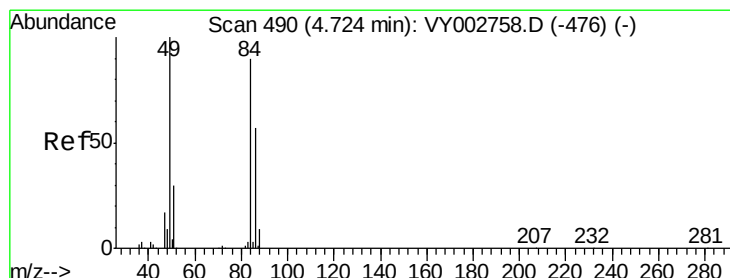
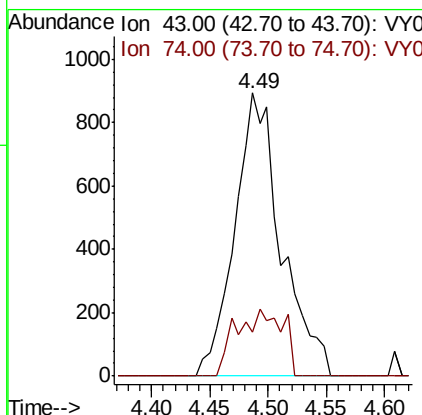
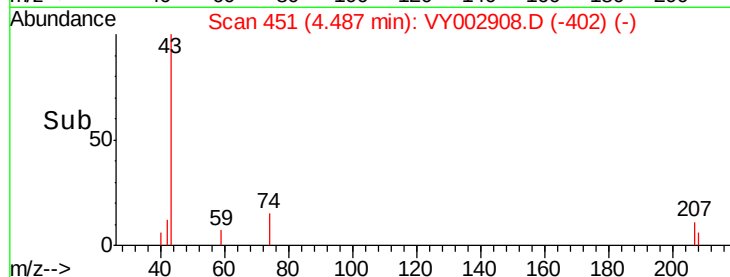
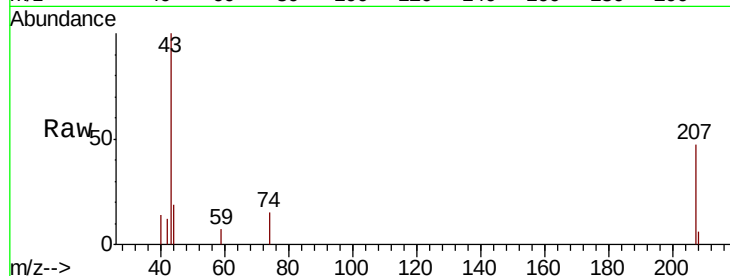




#18
Methyl Acetate
Concen: 1.203 ug/l
RT: 4.49 min Scan# 451
Delta R.T. 0.00 min
Lab File: VY002908.D
Acq: 16 Jun 2020 14:34

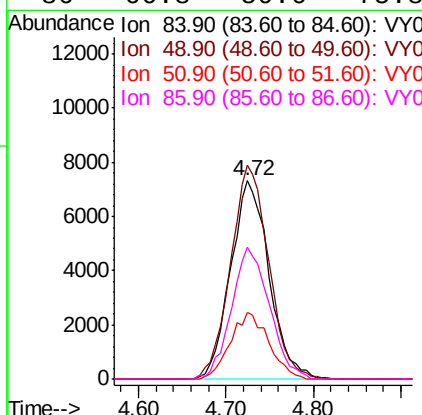
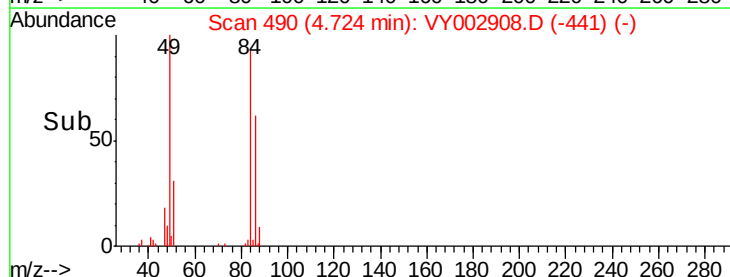
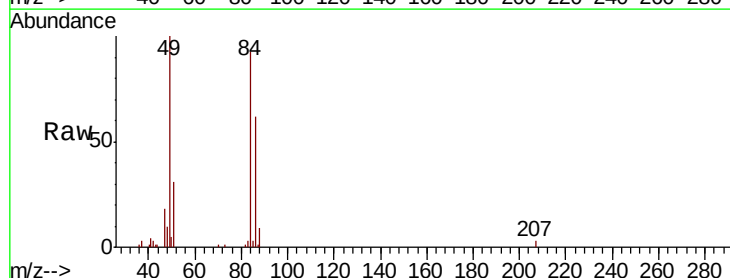
Instrument :
MSVOA_Y
ClientSampleId :
MW-24(19-21)

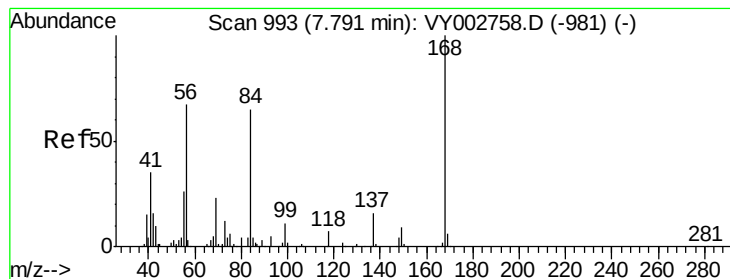
Tot Ion: 43 Resp: 2481
Ion Ratio Lower Upper
43 100
74 23.6 21.4 32.0



#20
Methylene Chloride
Concen: 9.904 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY002908.D
Acq: 16 Jun 2020 14:34

Tgt Ion: 84 Resp: 22283
Ion Ratio Lower Upper
84 100
49 107.9 88.5 132.7
51 33.4 26.8 40.2
86 66.8 50.6 75.8





#31

Cyclohexane

Concen: 1.069 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY002908.D

Acq: 16 Jun 2020 14:34

Instrument :

MSVOA_Y

ClientSampleId :

MW-24(19-21)

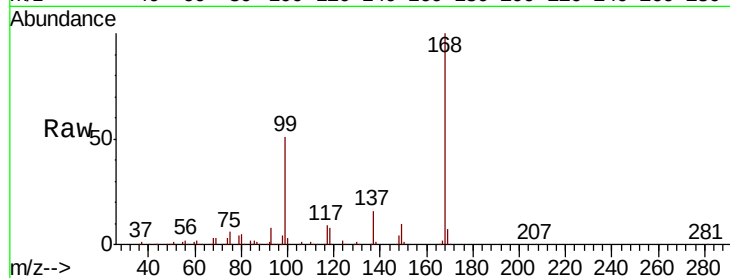
Tot Ion: 56 Resp: 3561

Ion Ratio Lower Upper

56 100

69 194.2 28.0 42.0#

84 167.1 77.7 116.5#

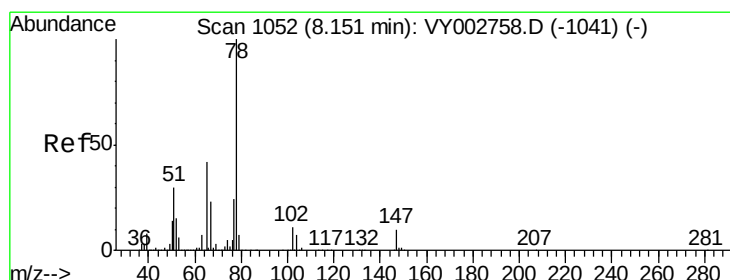
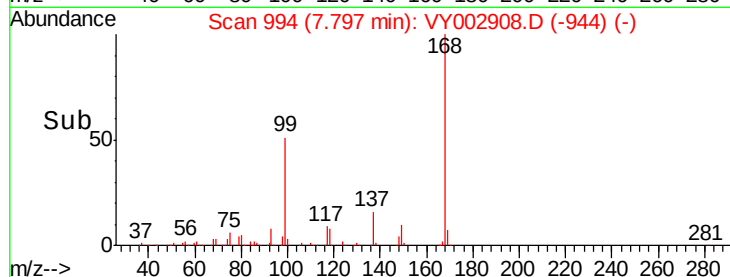
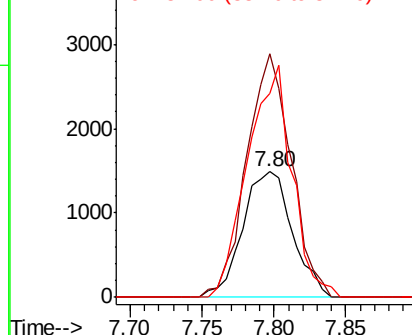


Abundance

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: 57.370 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY002908.D

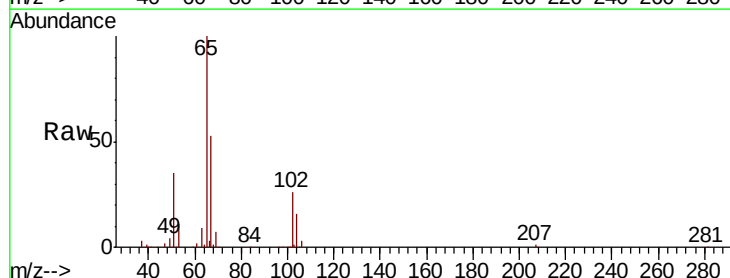
Acq: 16 Jun 2020 14:34

Tgt Ion: 65 Resp: 112635

Ion Ratio Lower Upper

65 100

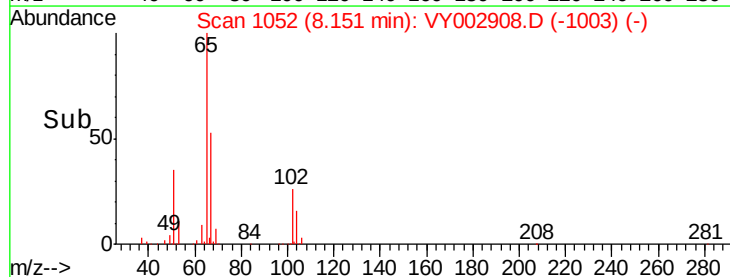
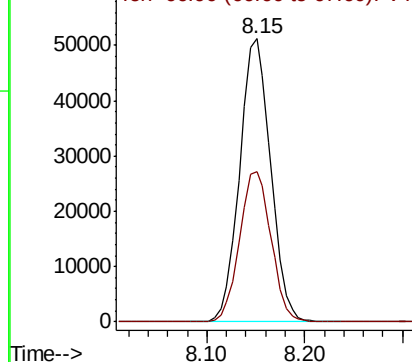
67 53.6 0.0 111.0

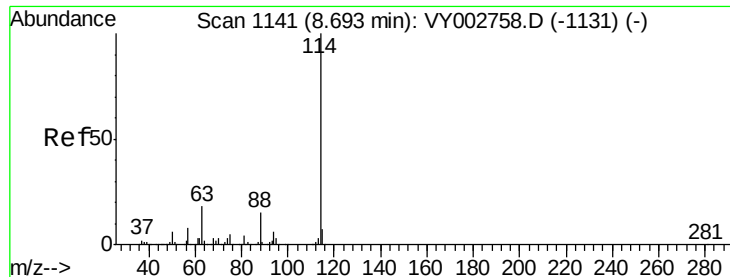


Abundance

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: VY002908.D

Acq: 16 Jun 2020 14:34

Instrument :

MSVOA_Y

ClientSampleId :

MW-24(19-21)

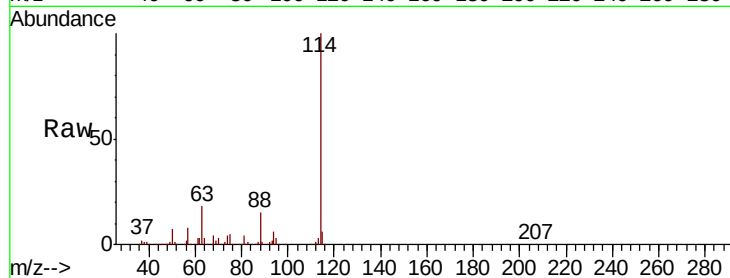
Tot Ion:114 Resp: 370430

Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.2

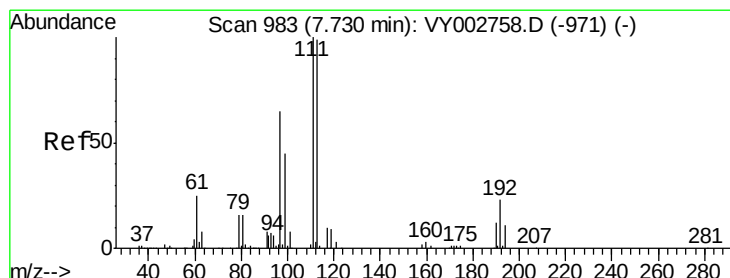
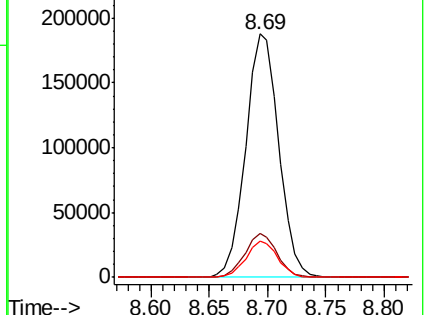
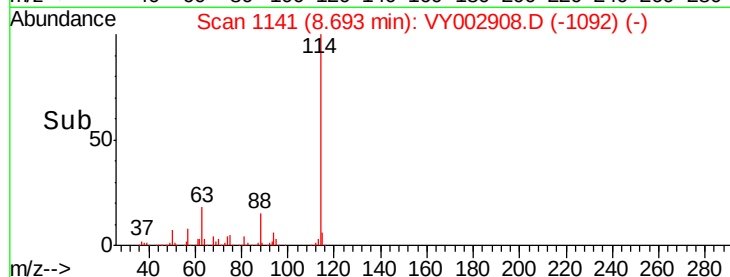
88 14.8 0.0 29.2



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: 51.918 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY002908.D

Acq: 16 Jun 2020 14:34

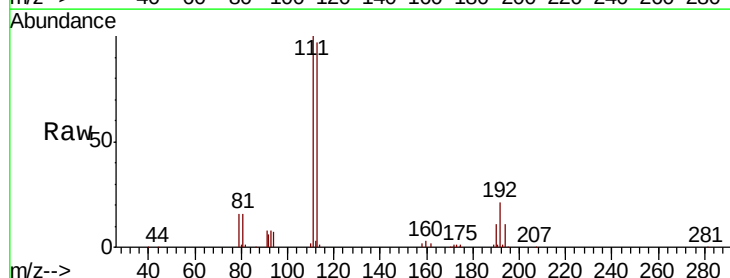
Tgt Ion:113 Resp: 112709

Ion Ratio Lower Upper

113 100

111 103.4 82.0 123.0

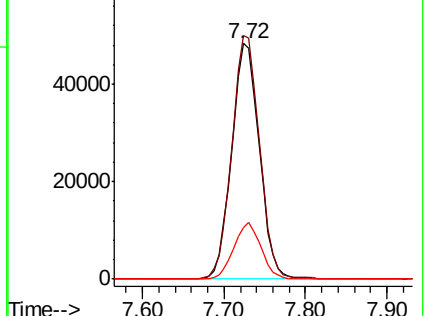
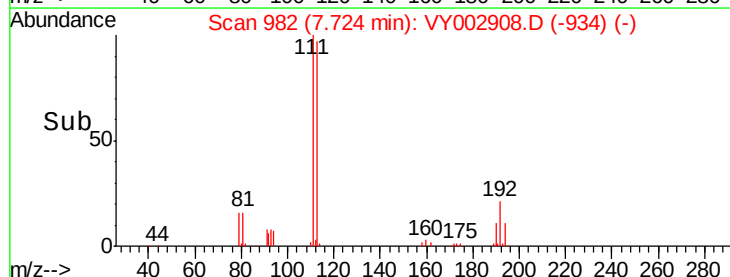
192 23.7 18.9 28.3

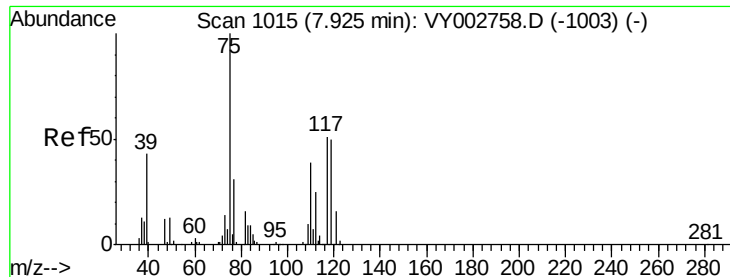


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

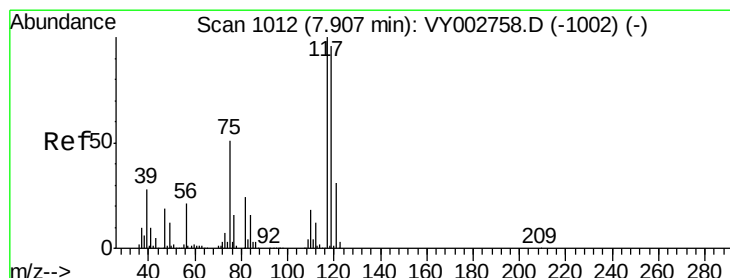
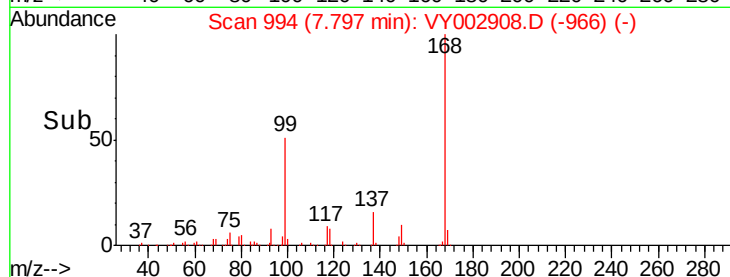
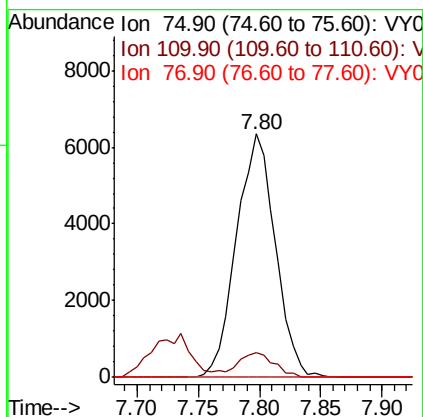
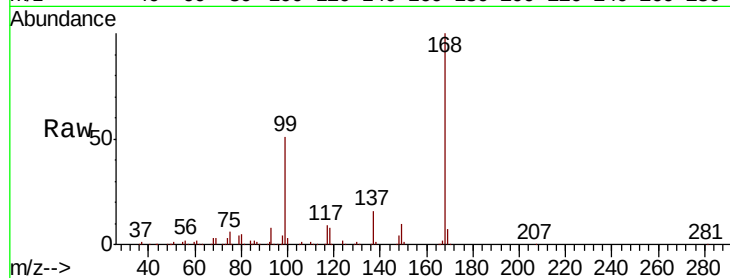




#36
 1,1-Dichloropropene
 Concen: 4.476 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY002908.D
 Acq: 16 Jun 2020 14:34

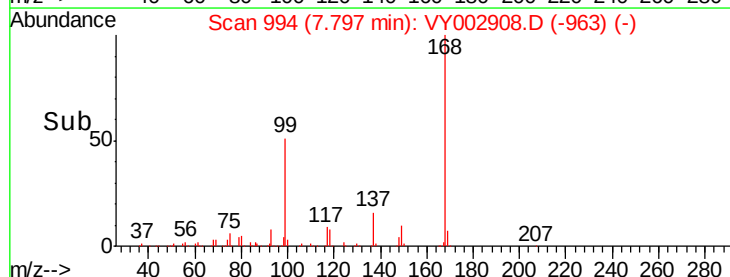
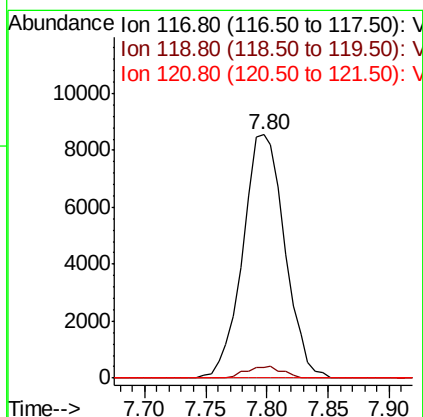
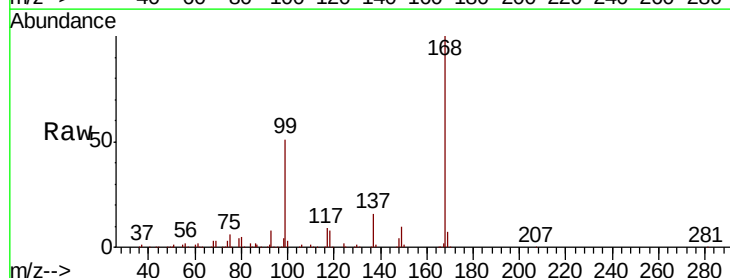
Instrument :
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 MW-24(19-21)

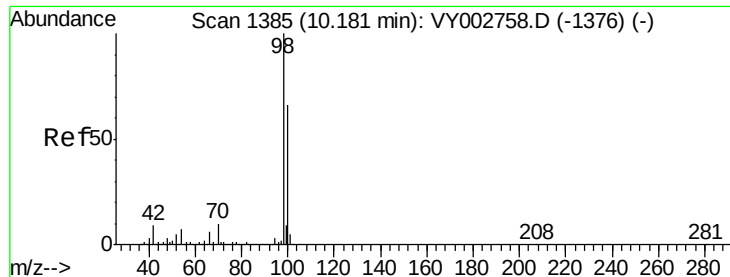
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.0	19.3	57.9#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 5.883 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.11 min
 Lab File: VY002908.D
 Acq: 16 Jun 2020 14:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.4	76.8	115.2#
121	0.0	24.8	37.2#





#50

Toluene-d8

Concen: 49.867 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY002908.D

Acq: 16 Jun 2020 14:34

Instrument :

MSVOA_Y

ClientSampleId :

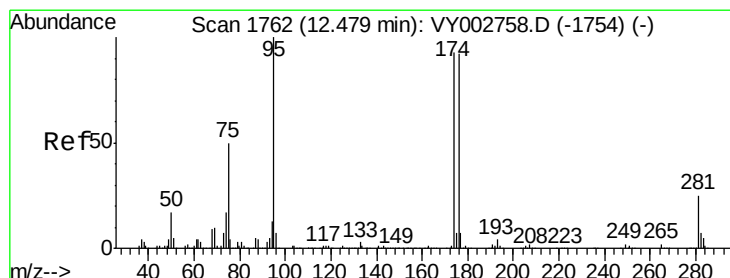
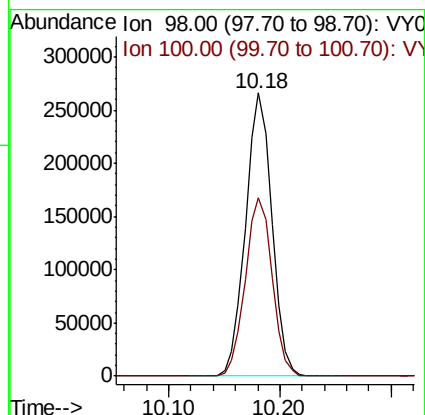
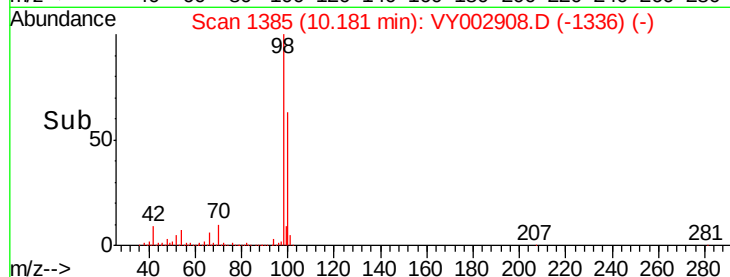
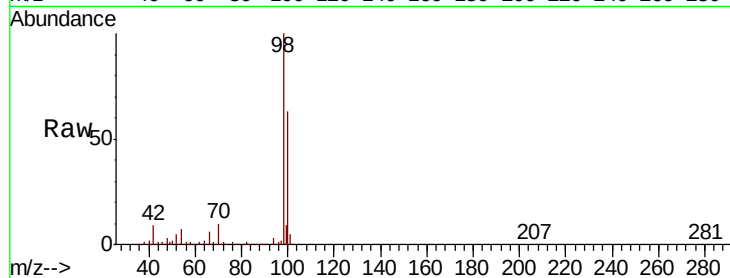
MW-24(19-21)

Tot Ion: 98 Resp: 437712

Ion Ratio Lower Upper

98 100

100 64.2 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 49.221 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY002908.D

Acq: 16 Jun 2020 14:34

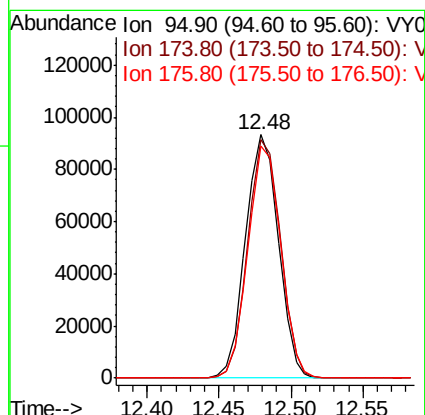
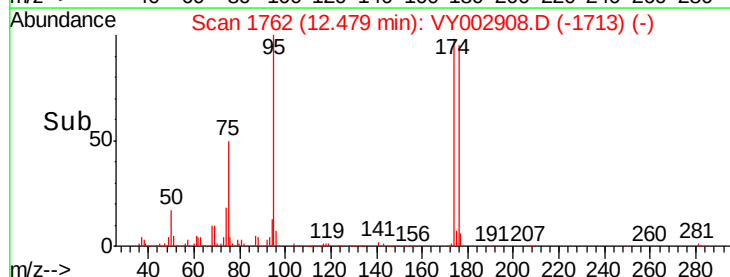
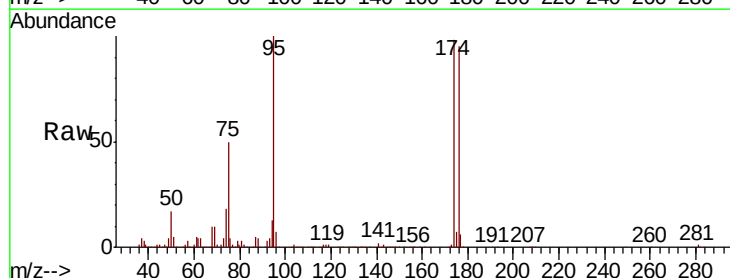
Tgt Ion: 95 Resp: 147649

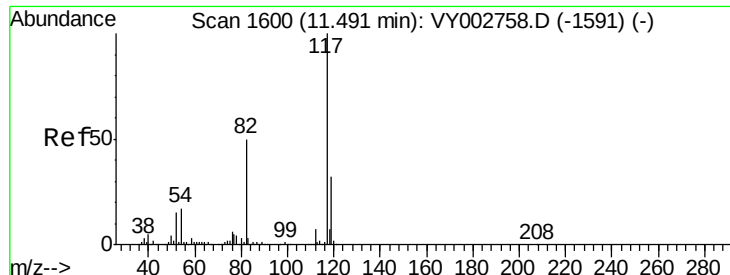
Ion Ratio Lower Upper

95 100

174 97.5 0.0 191.2

176 95.0 0.0 188.8

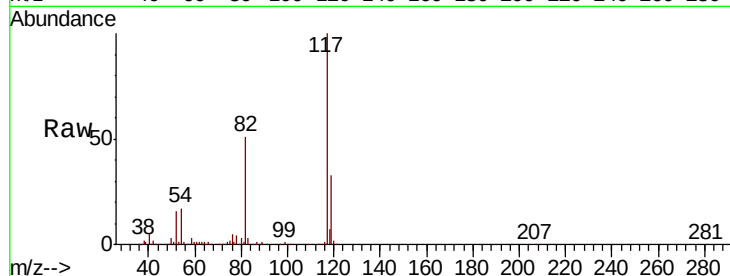




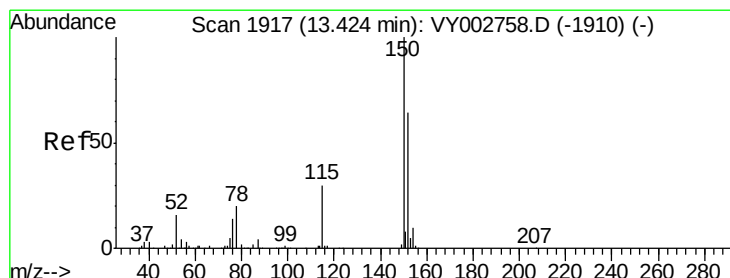
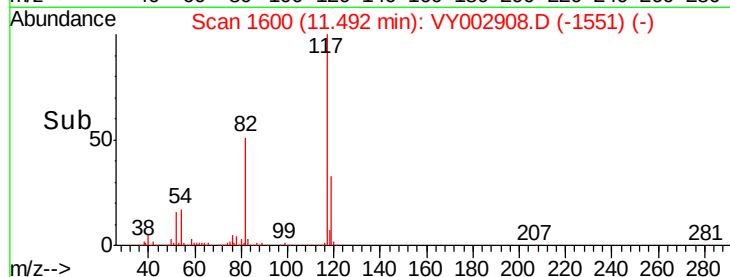
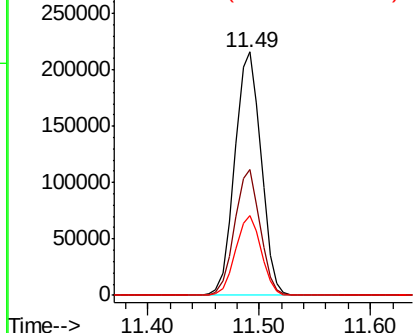
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY002908.D
Acq: 16 Jun 2020 14:34

Instrument :
MSVOA_Y
ClientSampleId :
MW-24(19-21)

Tot Ion:117 Resp: 351926
Ion Ratio Lower Upper
117 100
82 51.5 40.2 60.4
119 32.5 25.8 38.8

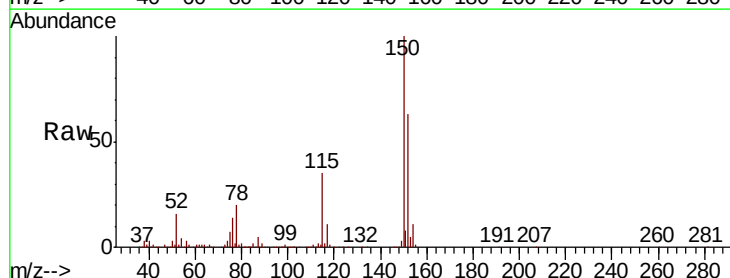


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

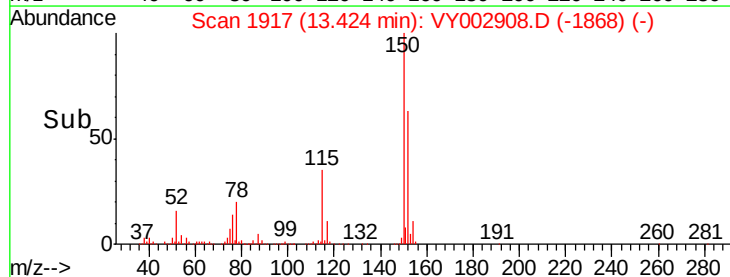
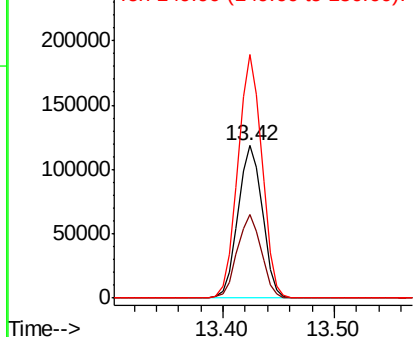


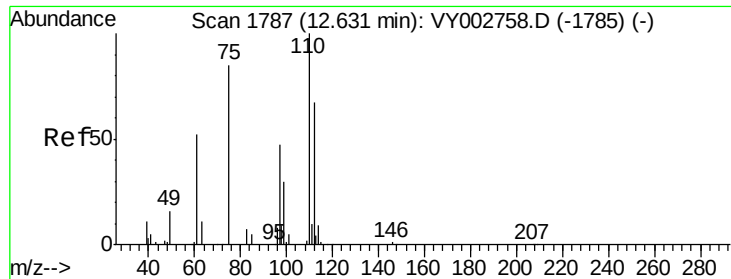
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY002908.D
Acq: 16 Jun 2020 14:34

Tgt Ion:152 Resp: 179529
Ion Ratio Lower Upper
152 100
115 54.0 27.0 81.0
150 157.9 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: 45.241 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY002908.D

Acq: 16 Jun 2020 14:34

Instrument :

MSVOA_Y

ClientSampleId :

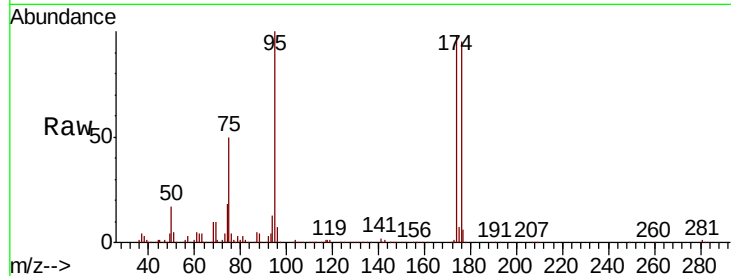
MW-24(19-21)

Tot Ion: 75 Resp: 73186

Ion Ratio Lower Upper

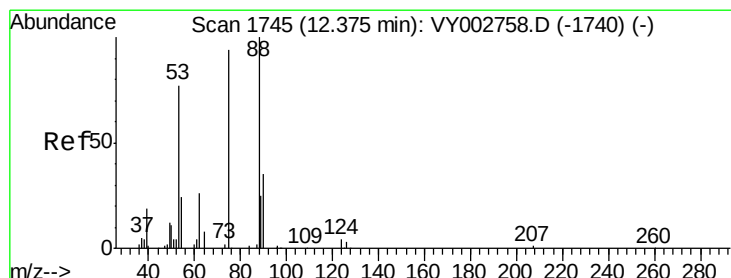
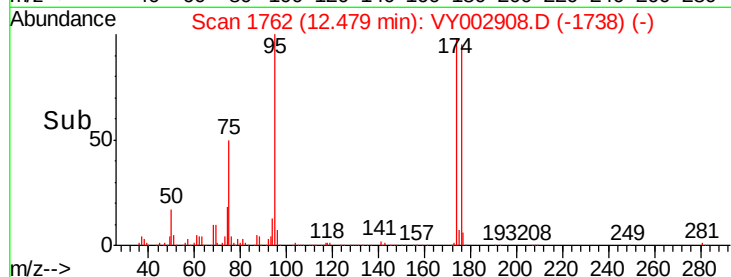
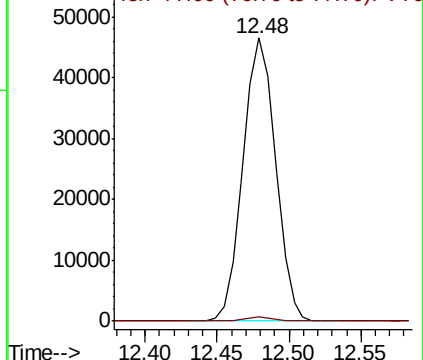
75 100

77 1.2 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: 85.235 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY002908.D

Acq: 16 Jun 2020 14:34

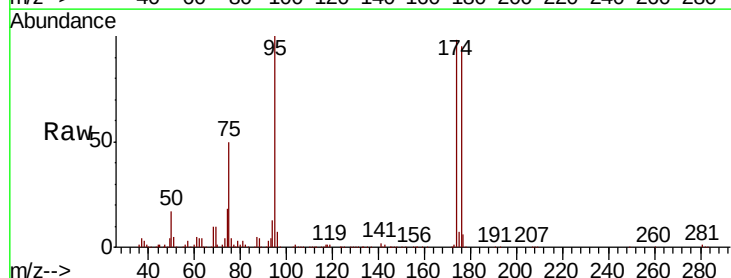
Tgt Ion: 75 Resp: 73186

Ion Ratio Lower Upper

75 100

53 0.0 64.0 96.0#

89 0.1 37.4 56.2#



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

