

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072020\
 Data File : VY003234.D
 Acq On : 20 Jul 2020 16:12
 Operator : SY/MD
 Sample : L3308-02RE
 Misc : 5.03G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 2RE

Quant Time: Jul 21 03:18:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 13:18:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	397857	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	604541	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	532687	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	241530	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	220244	65.59	ug/l	0.00
Spiked Amount			Recovery	=	131.18%	
35) Dibromofluoromethane	7.72	113	194576	55.93	ug/l	0.00
Spiked Amount			Recovery	=	111.86%	
50) Toluene-d8	10.18	98	722787	55.88	ug/l	0.00
Spiked Amount			Recovery	=	111.76%	
62) 4-Bromofluorobenzene	12.48	95	227110	48.60	ug/l	0.00
Spiked Amount			Recovery	=	97.20%	

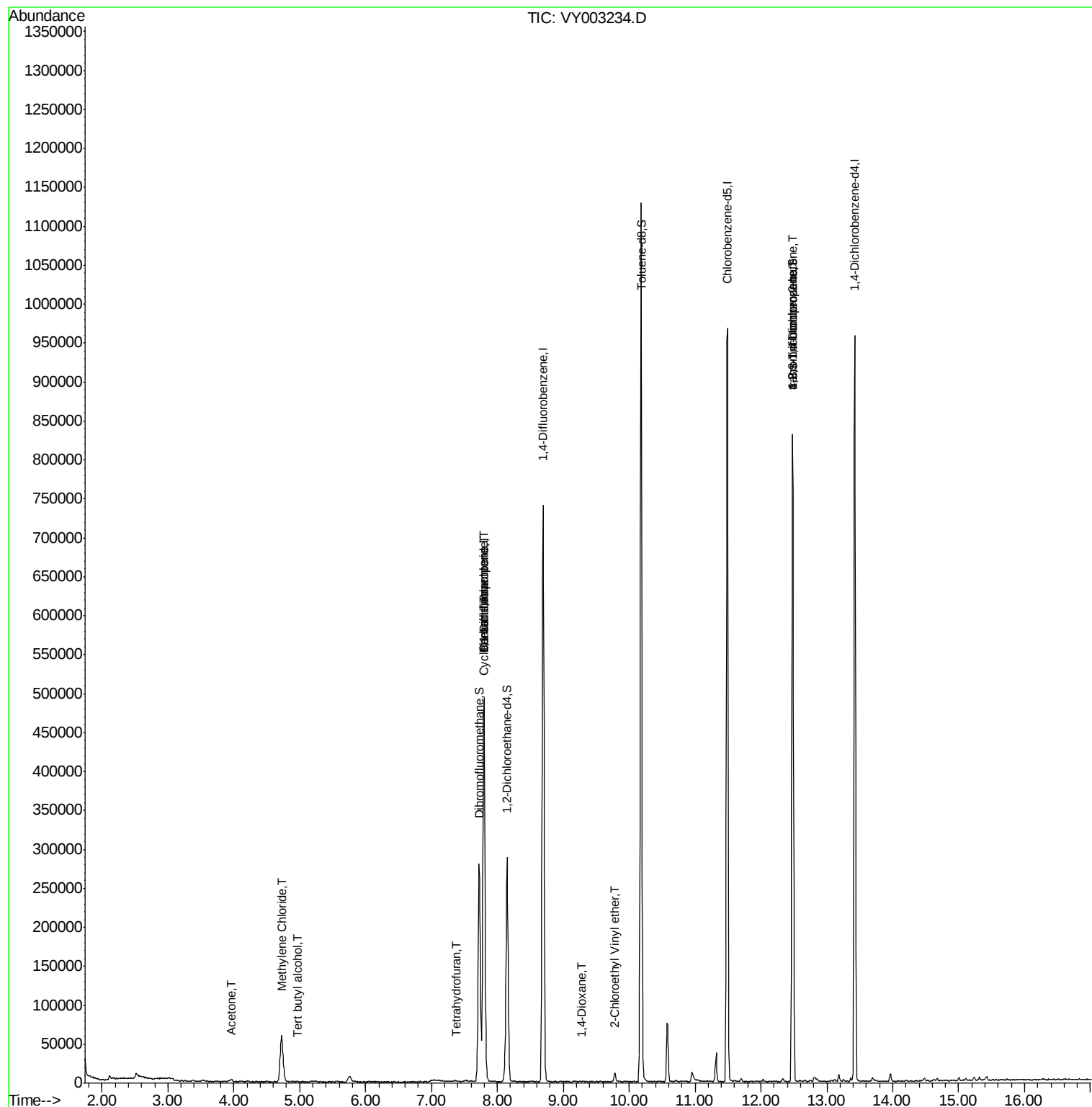
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.96	59	532	1.465	ug/l #	72
16) Acetone	3.96	43	3931	5.241	ug/l #	87
20) Methylene Chloride	4.72	84	44239	6.996	ug/l	97
29) Tetrahydrofuran	7.37	42	924	1.117	ug/l #	81
31) Cyclohexane	7.78	56	8084	1.324	ug/l #	23
36) 1,1-Dichloropropene	7.79	75	29771	5.434	ug/l #	48
38) Carbon Tetrachloride	7.79	117	36720	6.492	ug/l #	18
49) 1,4-Dioxane	9.28	88	41	1.417	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.78	63	4833	2.157	ug/l	97
76) 1,2,3-Trichloropropane	12.48	75	118310	55.338	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	118310	107.698	ug/l #	13

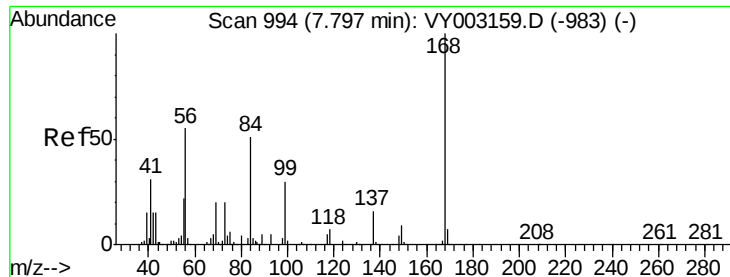
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY003234.D

Acq: 20 Jul 2020 16:12

Instrument :

MSVOA_Y

ClientSampleId :

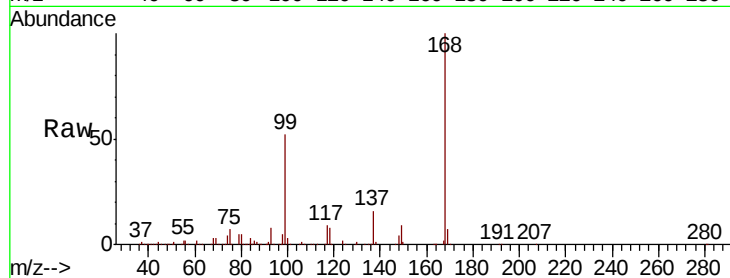
2RE

Tot Ion:168 Resp: 397857

Ion Ratio Lower Upper

168 100

99 51.6 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003159.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY003159.D (-983) (-)

7.80

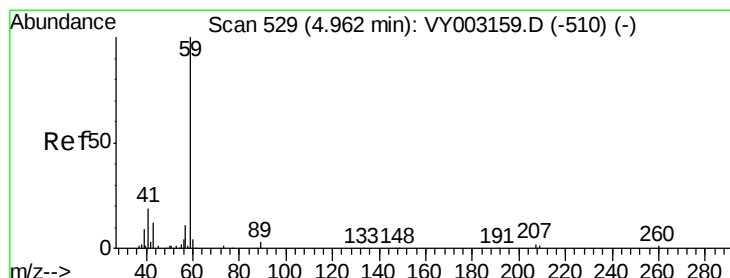
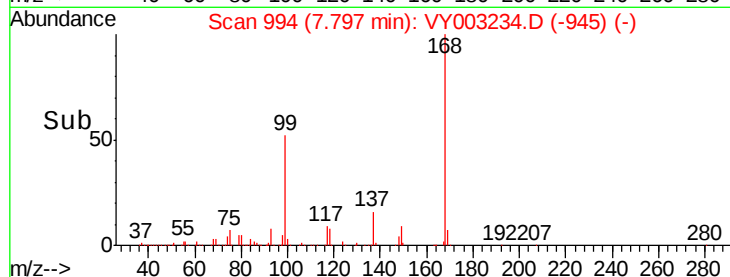
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.465 ug/l

RT: 4.96 min Scan# 528

Delta R.T. -0.01 min

Lab File: VY003234.D

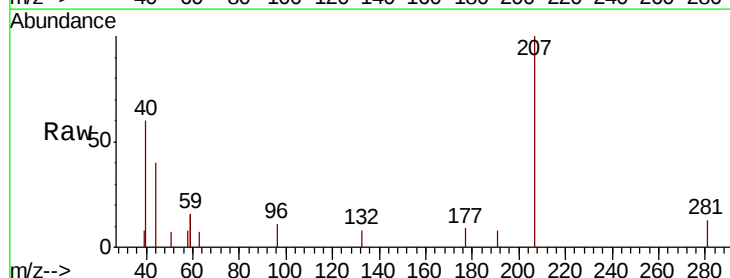
Acq: 20 Jul 2020 16:12

Tgt Ion: 59 Resp: 532

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VY003159.D (-510) (-)

Ion 57.00 (56.70 to 57.70): VY003159.D (-510) (-)

4.96

250

200

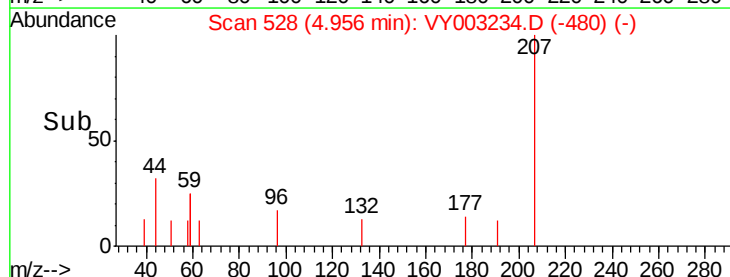
150

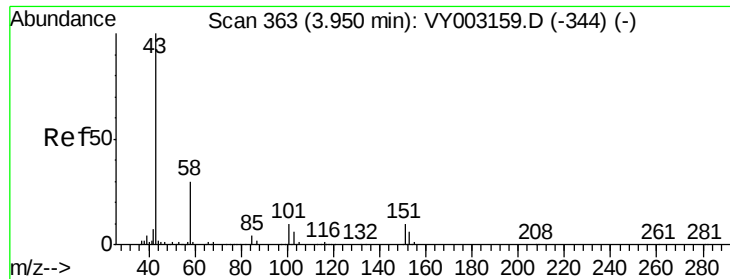
100

50

0

Time-->





#16

Acetone

Concen: 5.241 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY003234.D

Acq: 20 Jul 2020 16:12

Instrument :

MSVOA_Y

ClientSampleId :

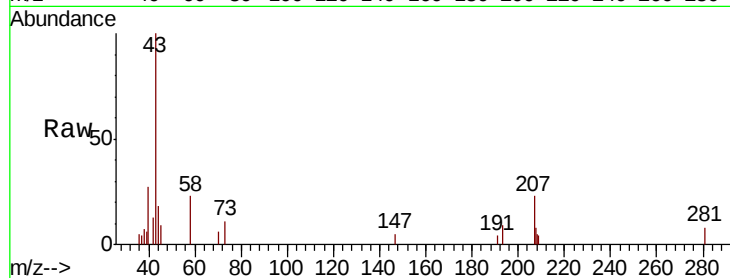
2RE

Tot Ion: 43 Resp: 3931

Ion Ratio Lower Upper

43 100

58 22.9 23.8 35.6#

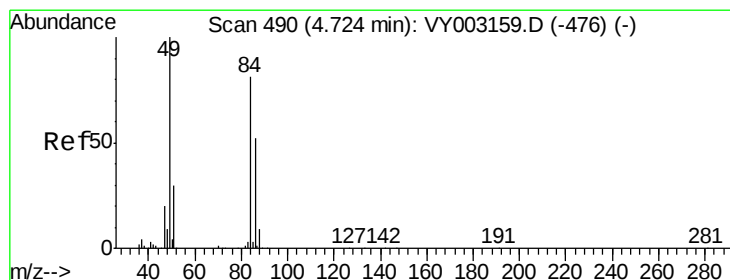
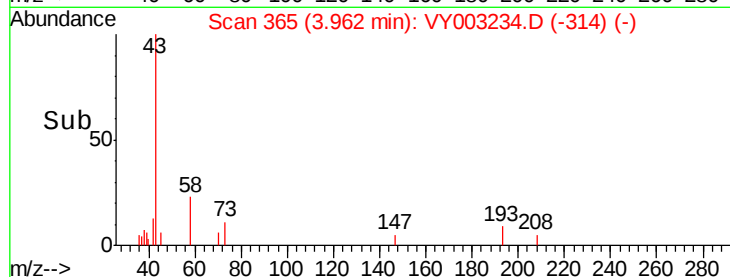


Abundance Ion 43.00 (42.70 to 43.70): VY003159.D (-344) (-)

Ion 58.00 (57.70 to 58.70): VY003159.D (-344) (-)

Time-->

3.90 3.95 4.00 4.05



#20

Methylene Chloride

Concen: 6.996 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY003234.D

Acq: 20 Jul 2020 16:12

Tgt Ion: 84 Resp: 44239

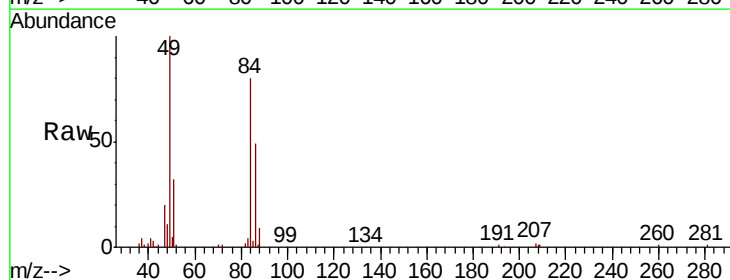
Ion Ratio Lower Upper

84 100

49 125.0 98.2 147.4

51 40.2 29.8 44.6

86 61.1 51.2 76.8



Abundance Ion 83.90 (83.60 to 84.60): VY003159.D (-476) (-)

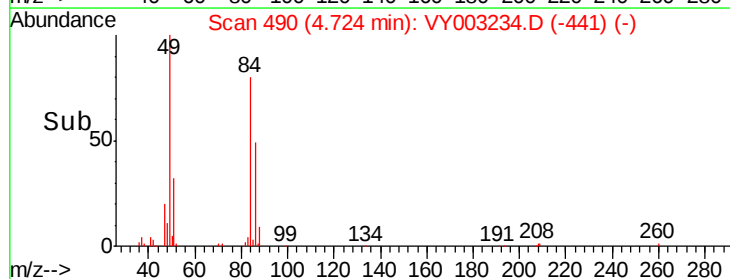
Ion 48.90 (48.60 to 49.60): VY003159.D (-476) (-)

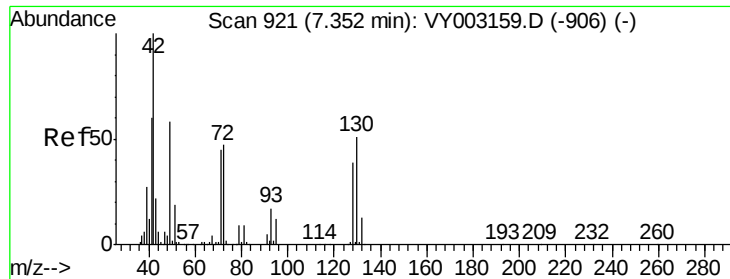
Ion 50.90 (50.60 to 51.60): VY003159.D (-476) (-)

Ion 85.90 (85.60 to 86.60): VY003159.D (-476) (-)

Time-->

4.60 4.70 4.80 4.90





#29

Tetrahydrofuran

Concen: 1.117 ug/l

RT: 7.37 min Scan# 924

Delta R.T. 0.02 min

Lab File: VY003234.D

Acq: 20 Jul 2020 16:12

Instrument :

MSVOA_Y

ClientSampleId :

2RE

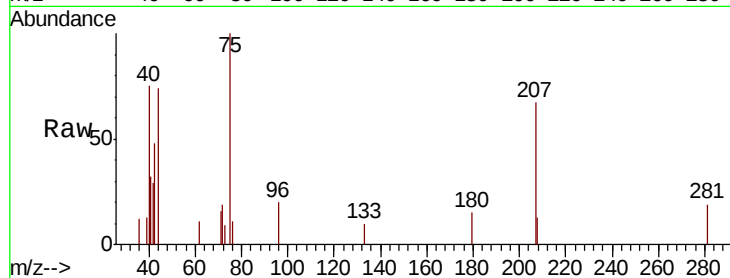
Tot Ion: 42 Resp: 924

Ion Ratio Lower Upper

42 100

72 34.0 36.7 55.1#

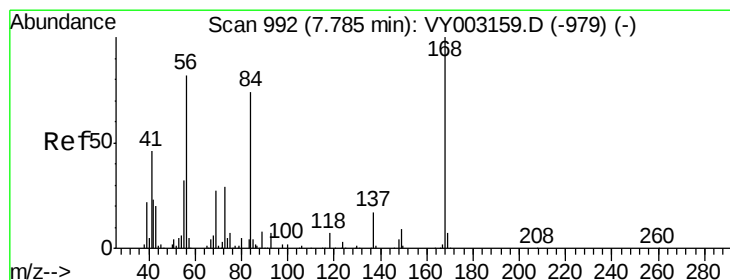
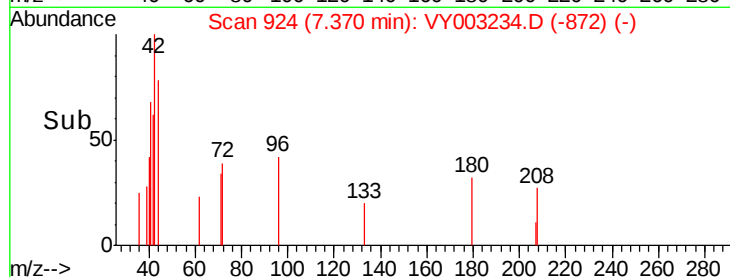
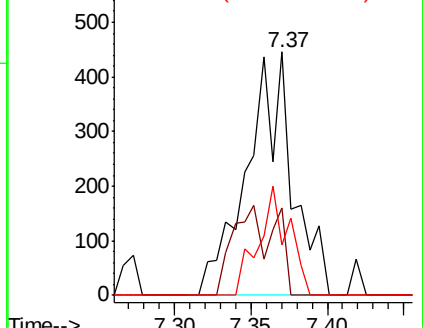
71 29.8 34.2 51.4#



Abundance Ion 42.00 (41.70 to 42.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

Ion 71.00 (70.70 to 71.70): VY0



#31

Cyclohexane

Concen: 1.324 ug/l

RT: 7.78 min Scan# 992

Delta R.T. 0.00 min

Lab File: VY003234.D

Acq: 20 Jul 2020 16:12

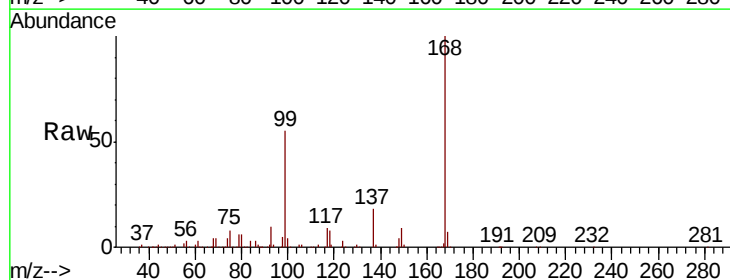
Tgt Ion: 56 Resp: 8084

Ion Ratio Lower Upper

56 100

69 156.6 26.7 40.1#

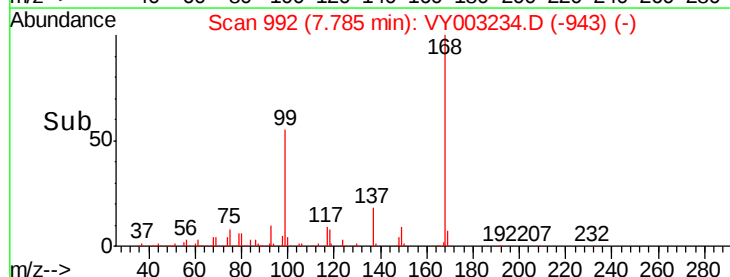
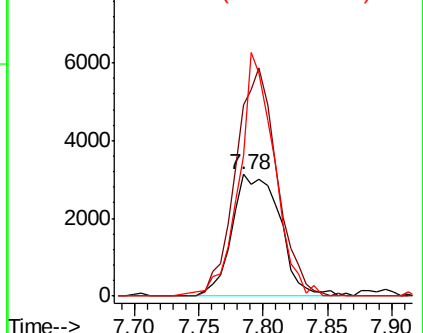
84 114.4 72.3 108.5#

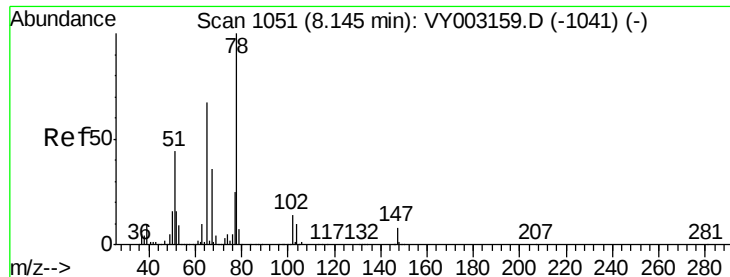


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0

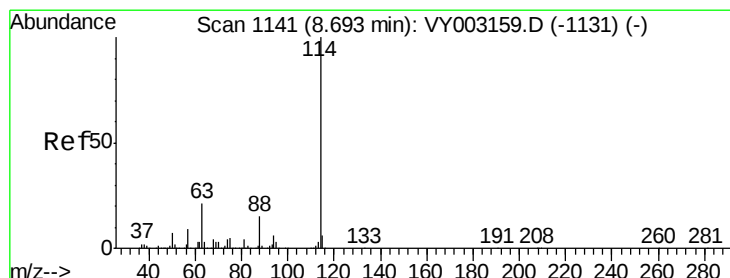
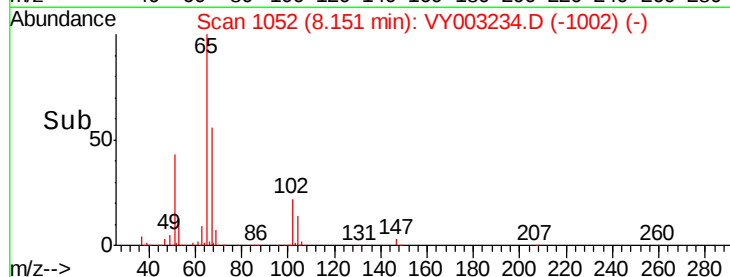
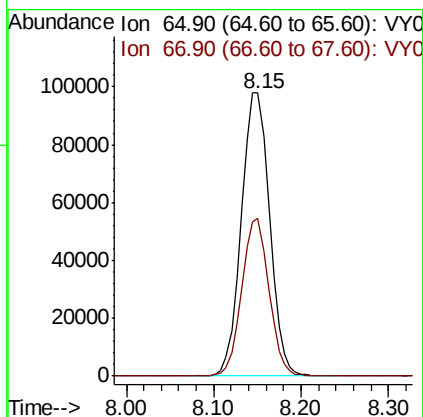
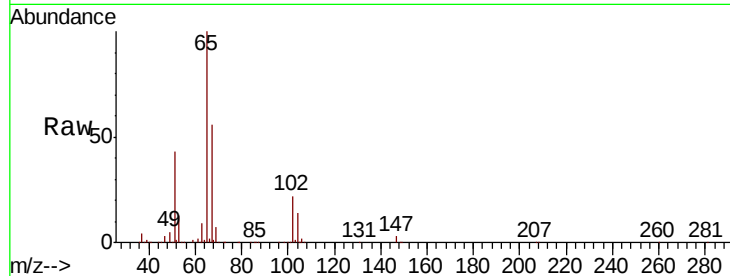




#33
 1,2-Dichloroethane-d4
 Concen: 65.587 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VY003234.D
 Acq: 20 Jul 2020 16:12

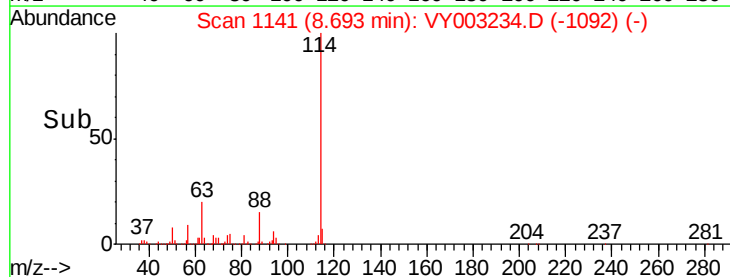
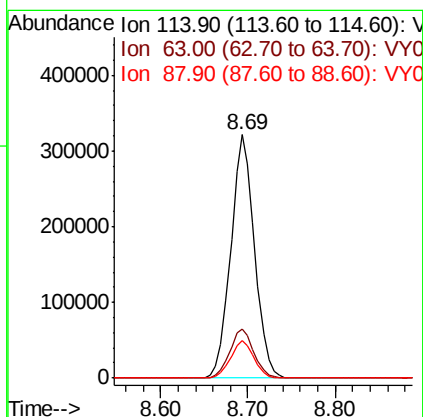
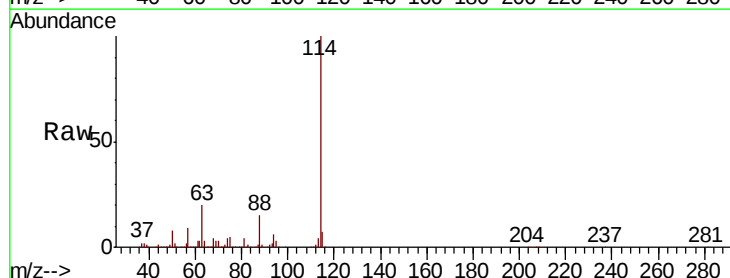
Instrument :
 MSVOA_Y
 ClientSampled :
 2RE

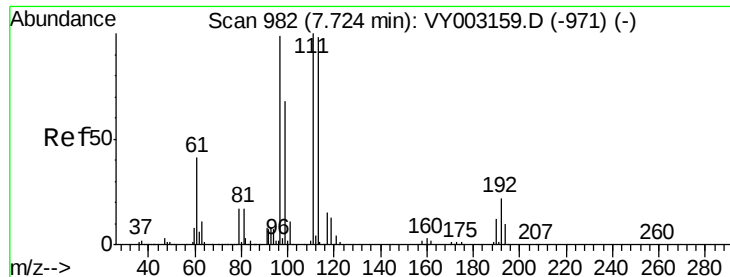
Tot Ion: 65 Resp: 220244
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY003234.D
 Acq: 20 Jul 2020 16:12

Tgt Ion: 114 Resp: 604541
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 41.2
 88 15.3 0.0 30.2

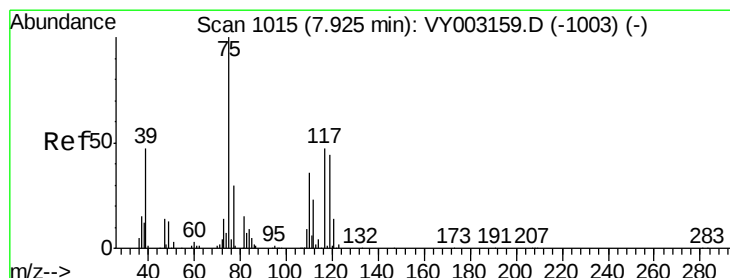
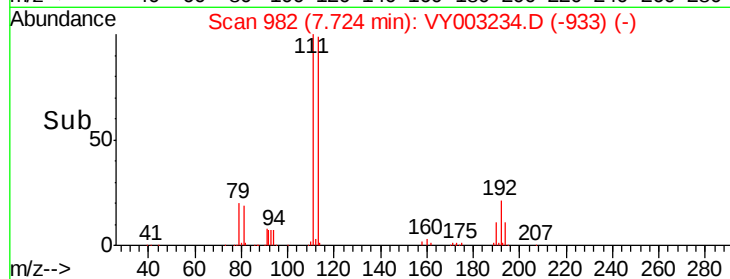
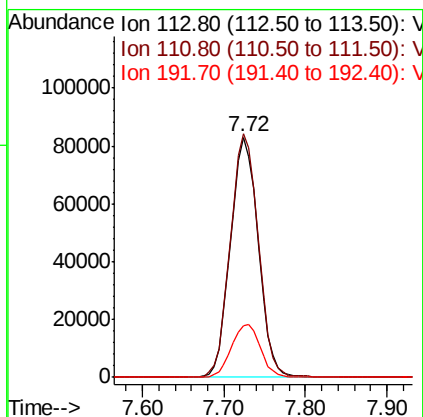
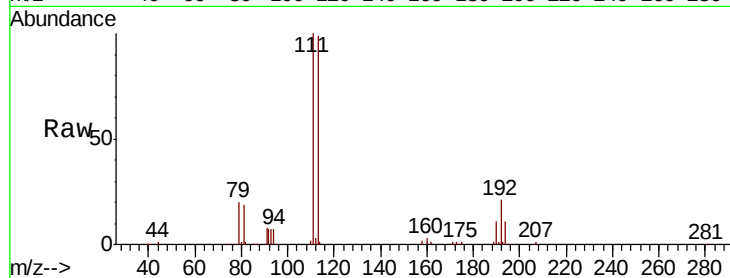




#35
Dibromofluoromethane
Concen: 55.929 ug/l
RT: 7.72 min Scan# 982
Delta R.T. 0.00 min
Lab File: VY003234.D
Acq: 20 Jul 2020 16:12

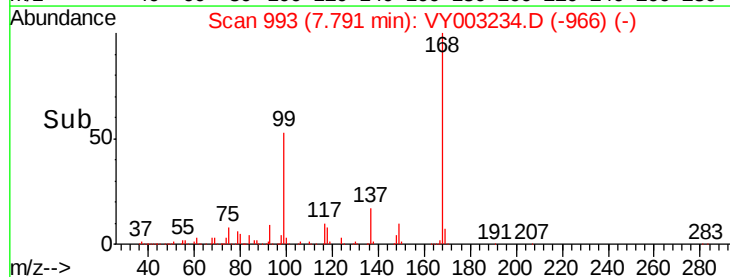
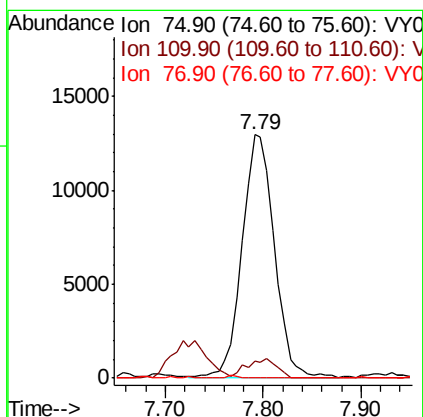
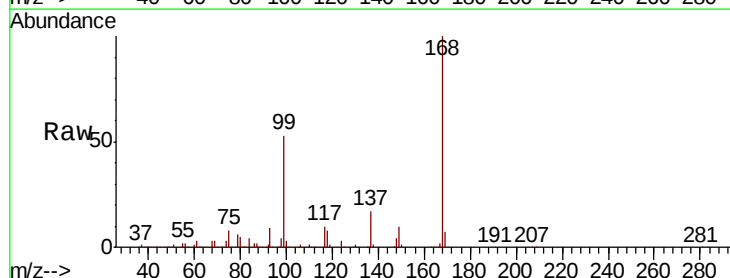
Instrument :
MSVOA_Y
ClientSampled :
2RE

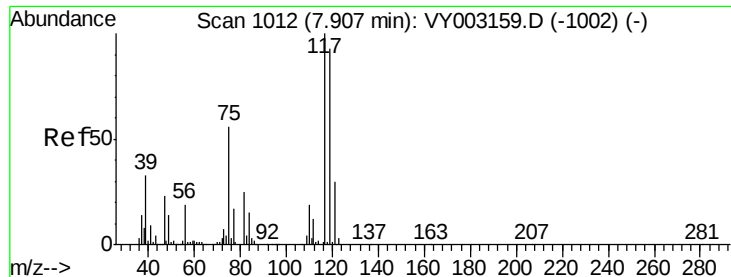
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.1	123.1
192	22.8	18.8	28.2



#36
1,1-Dichloropropene
Concen: 5.434 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.13 min
Lab File: VY003234.D
Acq: 20 Jul 2020 16:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.4	18.1	54.1#
77	0.0	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 6.492 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.12 min

Lab File: VY003234.D

Acq: 20 Jul 2020 16:12

Instrument :

MSVOA_Y

ClientSampleId :

2RE

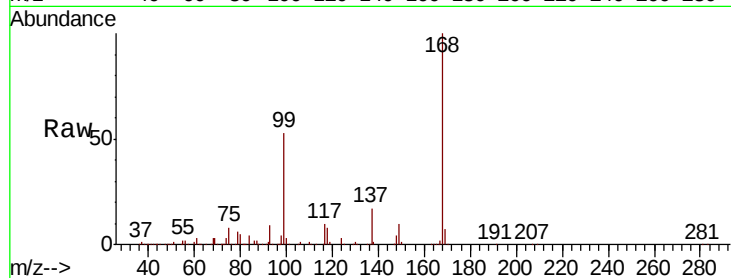
Tot Ion:117 Resp: 36720

Ion Ratio Lower Upper

117 100

119 6.1 74.5 111.7#

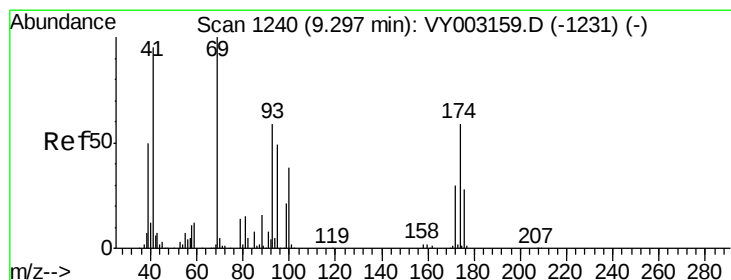
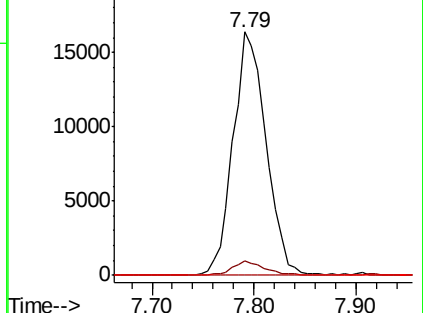
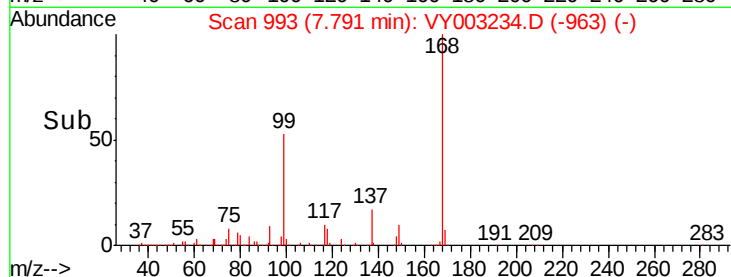
121 0.0 24.2 36.2#



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



#49

1,4-Dioxane

Concen: 1.417 ug/l

RT: 9.28 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VY003234.D

Acq: 20 Jul 2020 16:12

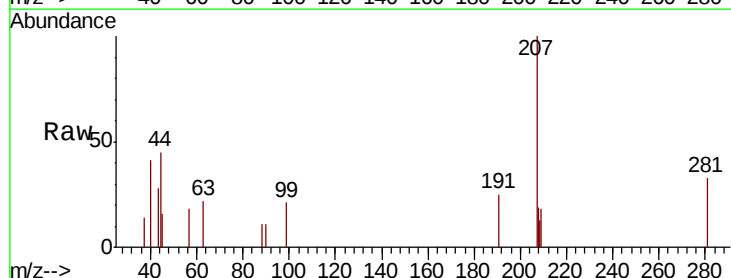
Tgt Ion: 88 Resp: 41

Ion Ratio Lower Upper

88 100

43 285.4 25.6 38.4#

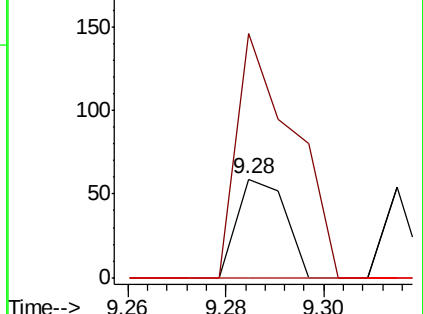
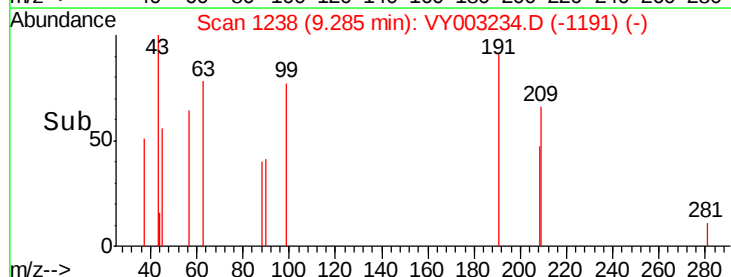
58 0.0 47.8 71.6#

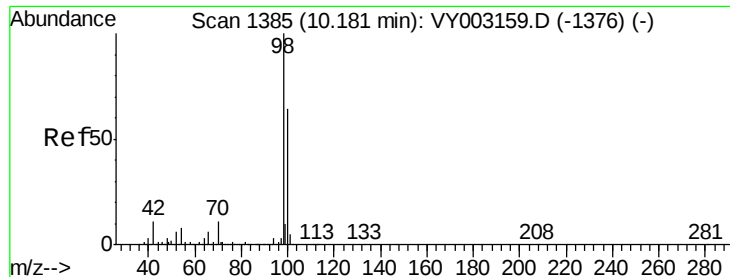


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#50

Toluene-d8

Concen: 55.881 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY003234.D

Acq: 20 Jul 2020 16:12

Instrument :

MSVOA_Y

ClientSampleId :

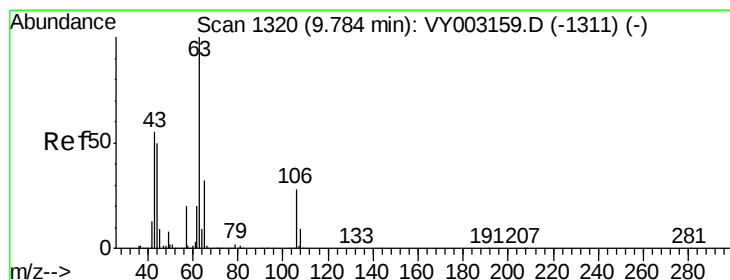
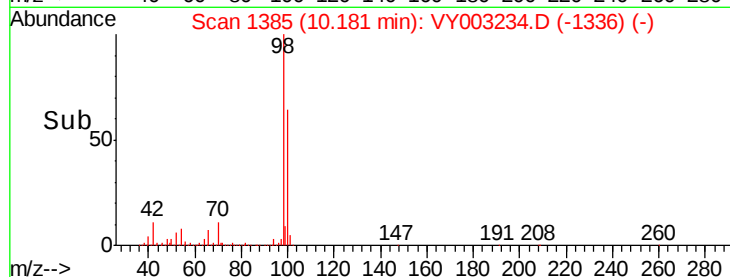
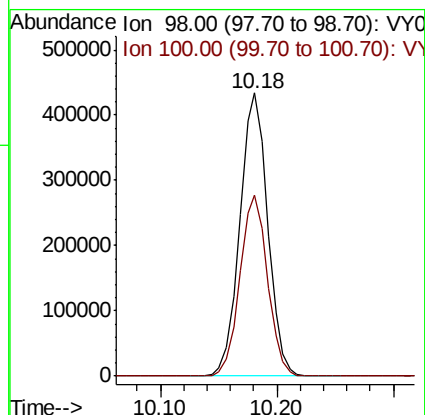
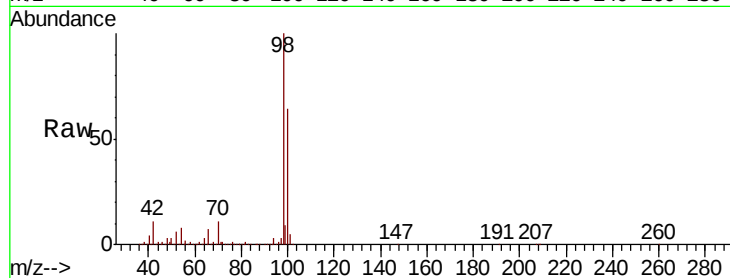
2RE

Tot Ion: 98 Resp: 722787

Ion Ratio Lower Upper

98 100

100 63.5 50.7 76.1



#58

2-Chloroethyl Vinyl ether

Concen: 2.157 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VY003234.D

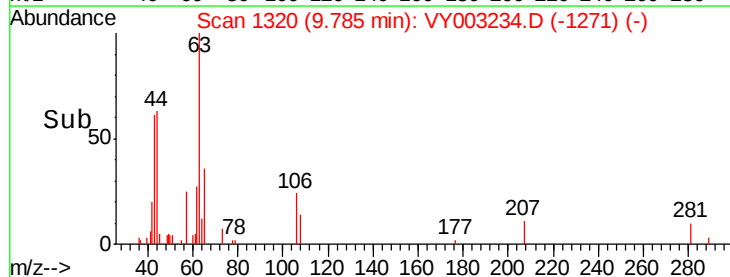
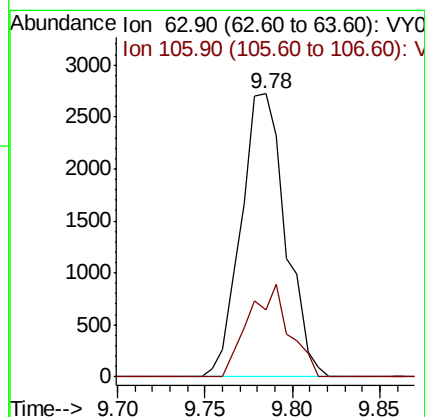
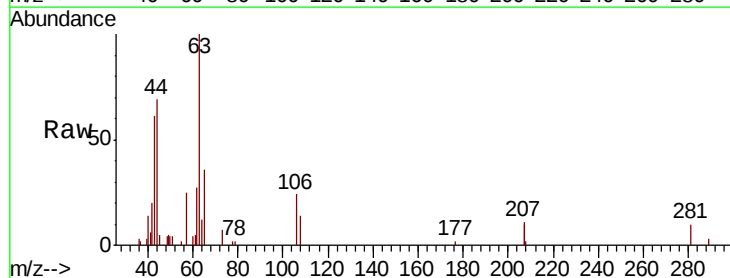
Acq: 20 Jul 2020 16:12

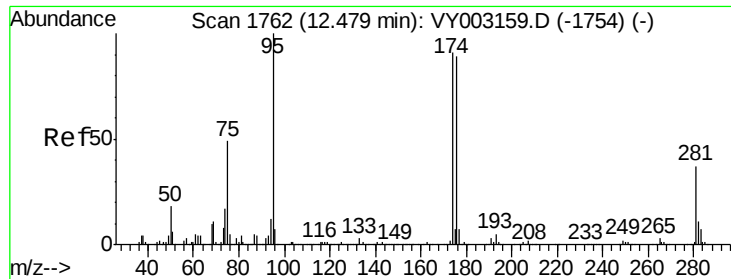
Tgt Ion: 63 Resp: 4833

Ion Ratio Lower Upper

63 100

106 30.0 22.9 34.3

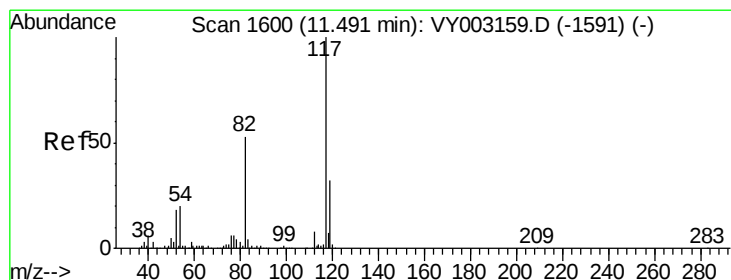
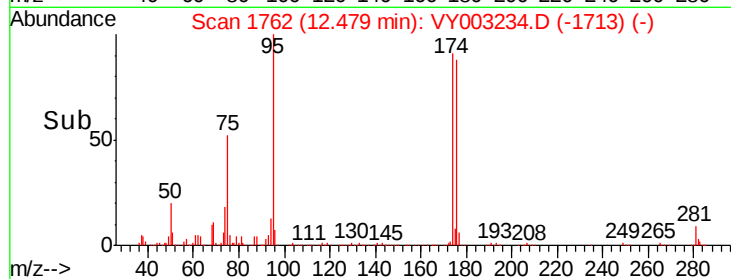
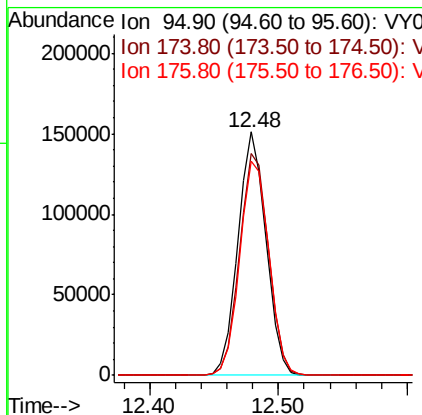
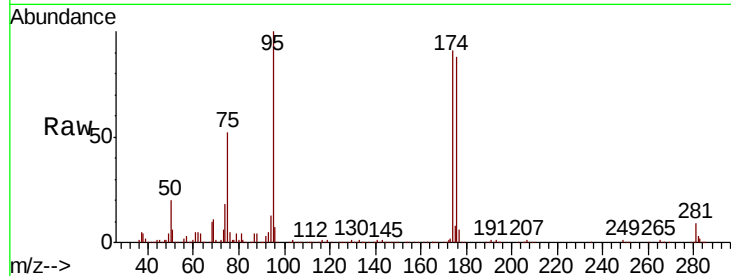




#62
4-Bromofluorobenzene
Concen: 48.604 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY003234.D
Acq: 20 Jul 2020 16:12

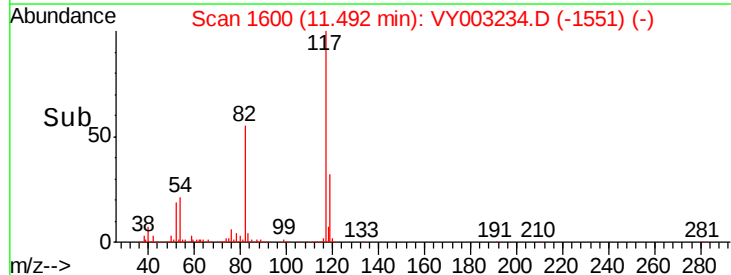
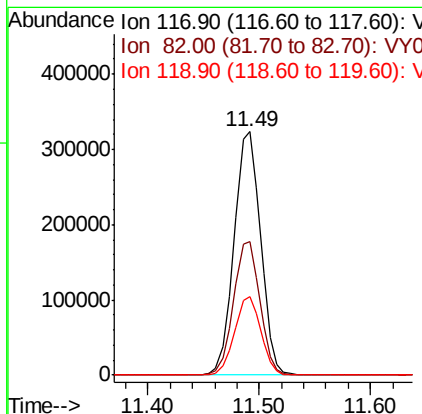
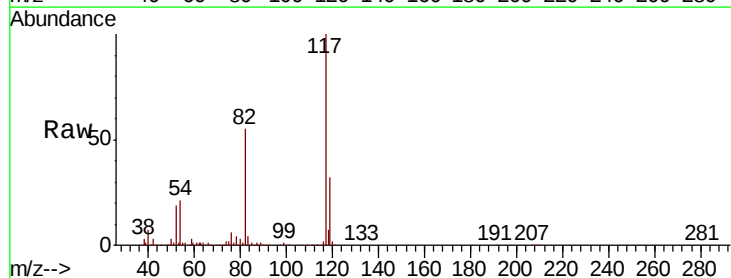
Instrument :
MSVOA_Y
ClientSampleId :
2RE

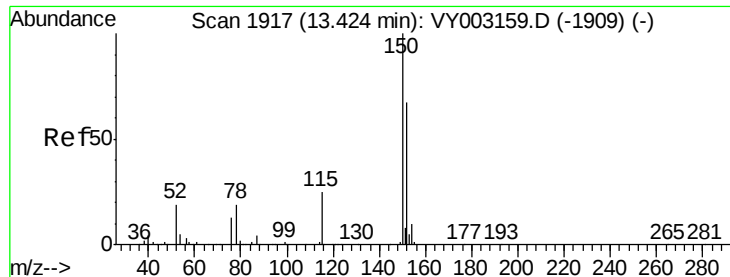
Tot Ion	Ratio	Lower	Upper
95	100		
174	94.1	0.0	190.6
176	91.4	0.0	186.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY003234.D
Acq: 20 Jul 2020 16:12

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.6	42.0	63.0
119	32.2	25.5	38.3



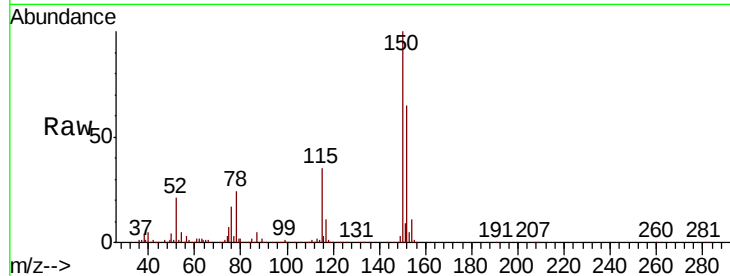


#72

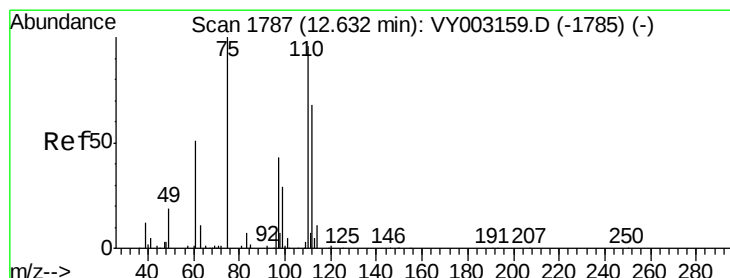
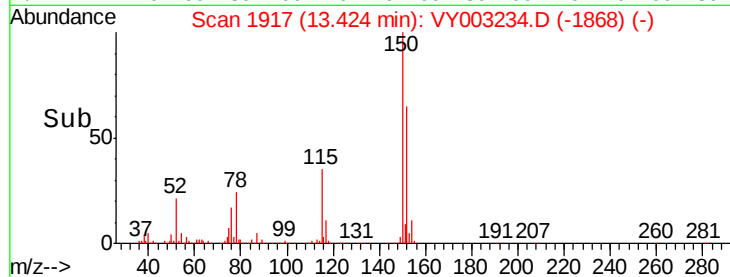
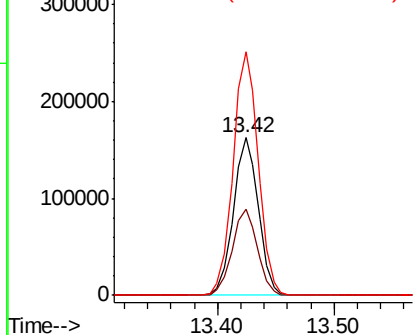
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY003234.D
Acq: 20 Jul 2020 16:12

Instrument :
MSVOA_Y
ClientSampleId :
2RE

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.2	26.9	80.7
150	155.9	0.0	338.0



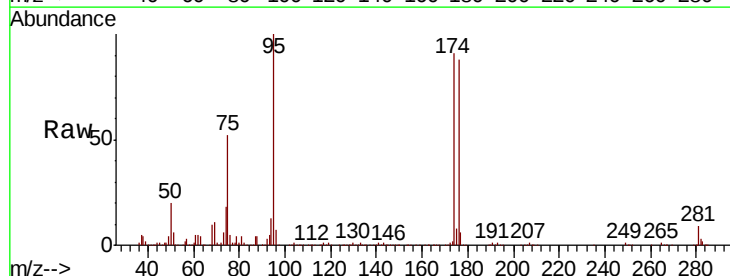
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



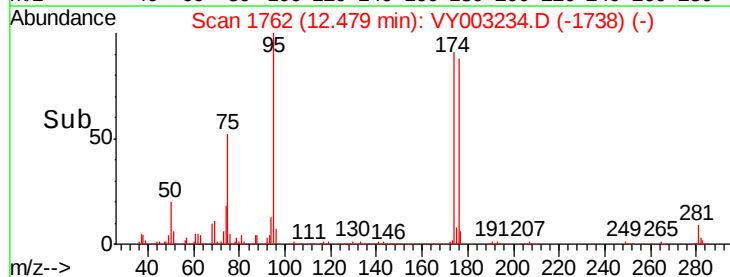
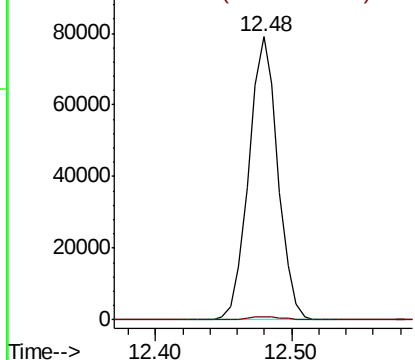
#76

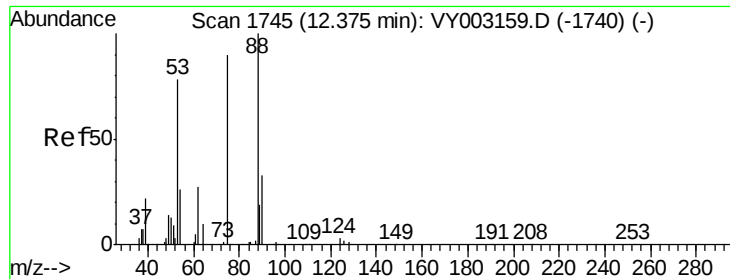
1,2,3-Trichloropropane
Concen: 55.338 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY003234.D
Acq: 20 Jul 2020 16:12

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	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: 107.698 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003234.D

Acq: 20 Jul 2020 16:12

Instrument :

MSVOA_Y

ClientSampleId :

2RE

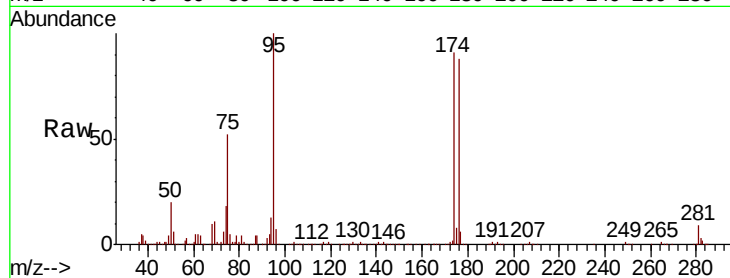
Tot Ion: 75 Resp: 118310

Ion Ratio Lower Upper

75 100

53 0.1 72.0 108.0#

89 0.1 37.3 55.9#



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

