

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052120\
 Data File : VY002740.D
 Acq On : 21 May 2020 14:52
 Operator : SY/MD
 Sample : L2728-10
 Misc : 5.57G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 21 15:47:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y051520S.M
 Quant Title : SW846 8260
 QLast Update : Sat May 16 04:52:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	341077	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	546360	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	493330	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	234006	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	152388	57.12	ug/l	0.00
Spiked Amount			Recovery	=	114.24%	
35) Dibromofluoromethane	7.72	113	162569	53.92	ug/l	0.00
Spiked Amount			Recovery	=	107.84%	
50) Toluene-d8	10.18	98	640843	52.79	ug/l	0.00
Spiked Amount			Recovery	=	105.58%	
62) 4-Bromofluorobenzene	12.48	95	209452	50.20	ug/l	0.00
Spiked Amount			Recovery	=	100.40%	

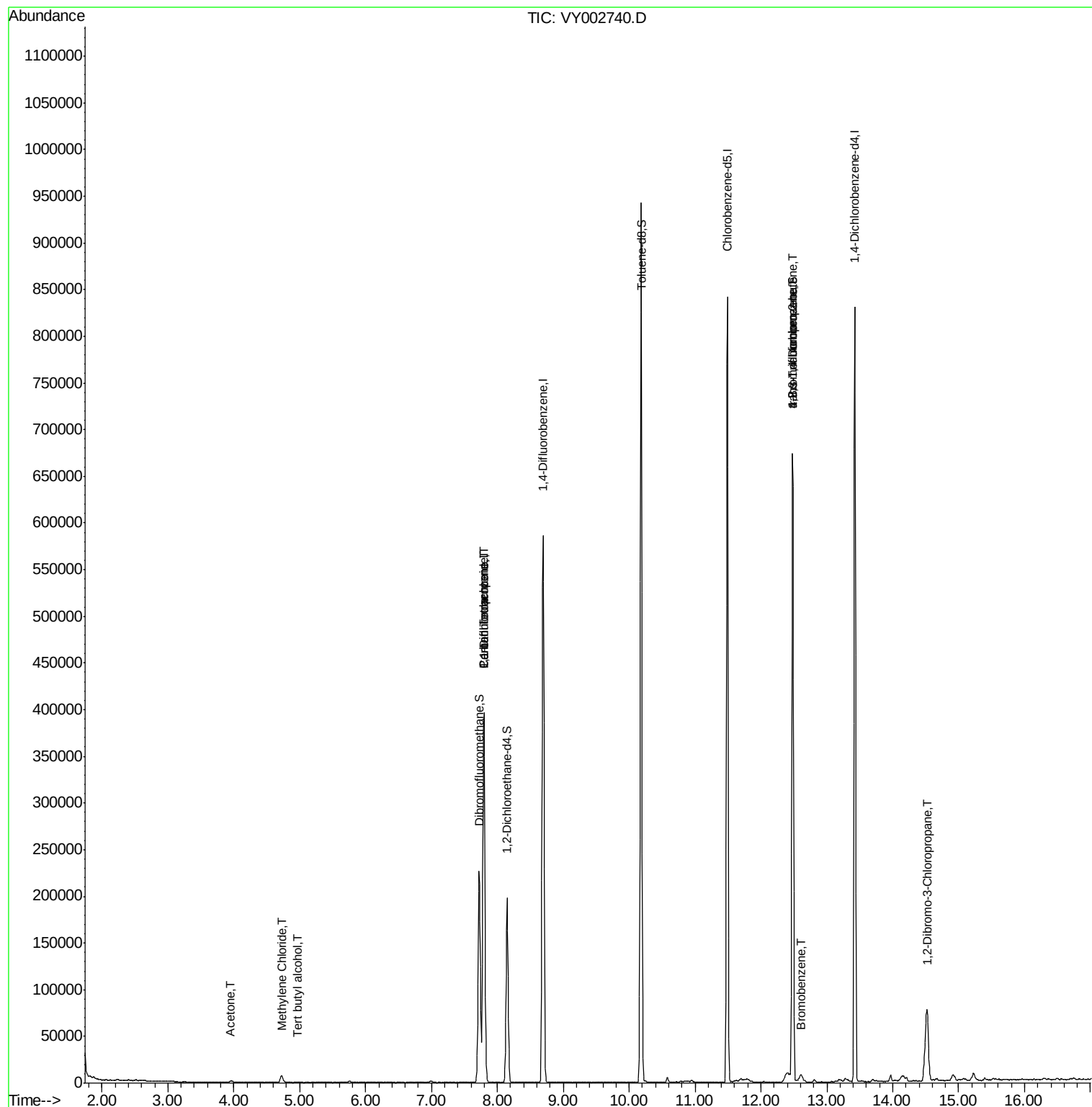
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.96	59	1205	4.447	ug/l #	74
16) Acetone	3.95	43	3470	6.309	ug/l #	81
20) Methylene Chloride	4.72	84	5996	1.804	ug/l	85
36) 1,1-Dichloropropene	7.80	75	20805	4.498	ug/l #	47
38) Carbon Tetrachloride	7.80	117	30517	6.139	ug/l #	16
76) 1,2,3-Trichloropropane	12.48	75	97988	50.975	ug/l #	100
77) Bromobenzene	12.61	156	8547	2.236	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.48	75	97988	96.404	ug/l #	8
92) 1,2-Dibromo-3-Chloropropan	14.53	75	4923	11.401	ug/l #	11
93) 1,2,4-Trichlorobenzene	15.00	180	190	Below Cal		81
96) 1,2,3-Trichlorobenzene	15.42	180	263	Below Cal	#	64

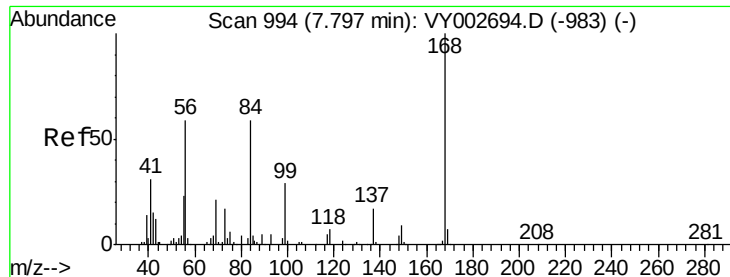
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat May 16 04:52:36 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: VY002740.D

Acq: 21 May 2020 14:52

Instrument :

MSVOA_Y

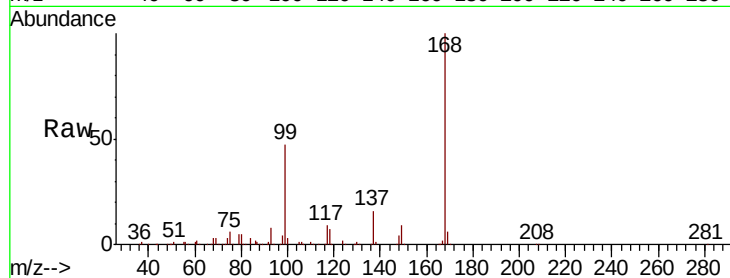
ClientSampleId :

Tot Ion:168 Resp: 341077

Ion Ratio Lower Upper

168 100

99 47.1 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002740.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY002740.D (-945) (-)

7.80

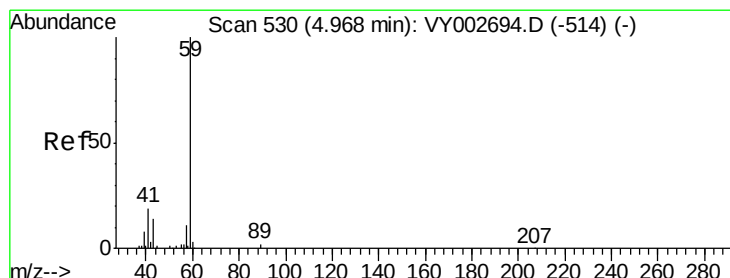
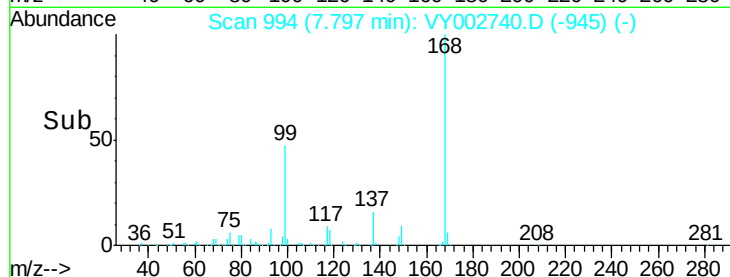
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 4.447 ug/l

RT: 4.96 min Scan# 529

Delta R.T. -0.01 min

Lab File: VY002740.D

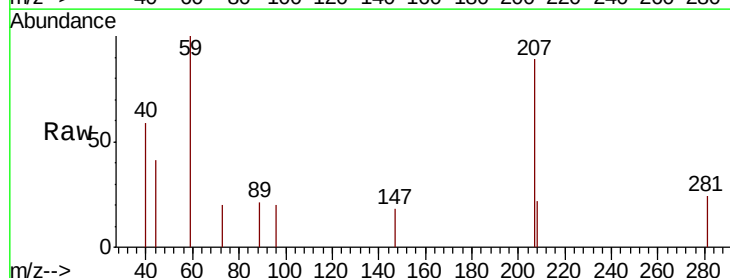
Acq: 21 May 2020 14:52

Tgt Ion: 59 Resp: 1205

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VY002740.D (-481) (-)

Ion 57.00 (56.70 to 57.70): VY002740.D (-481) (-)

4.96

400

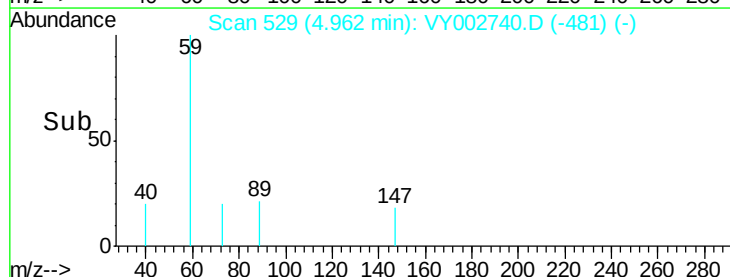
300

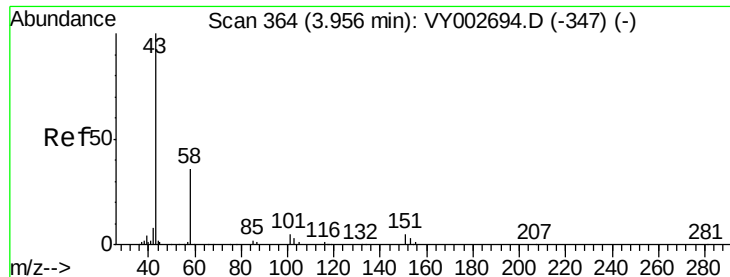
200

100

0

Time-->





#16

Acetone

Concen: 6.309 ug/l

RT: 3.95 min Scan# 363

Delta R.T. -0.01 min

Lab File: VY002740.D

Acq: 21 May 2020 14:52

Instrument :

MSVOA_Y

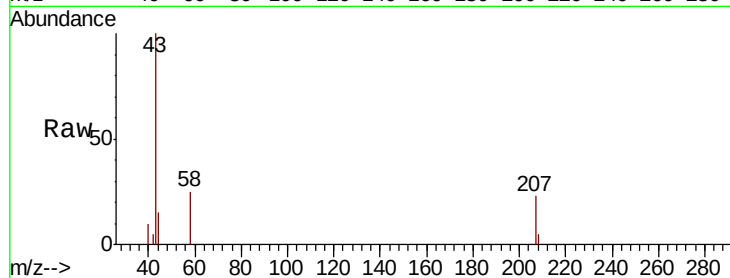
ClientSampleId :

Tot Ion: 43 Resp: 3470

Ion Ratio Lower Upper

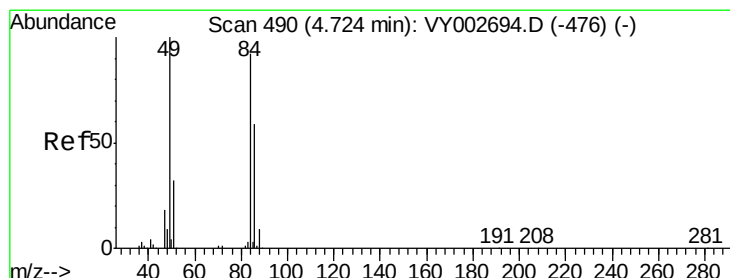
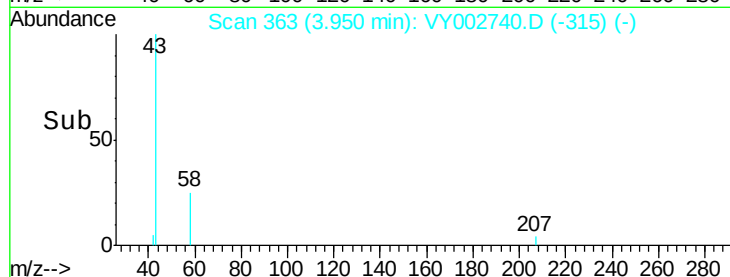
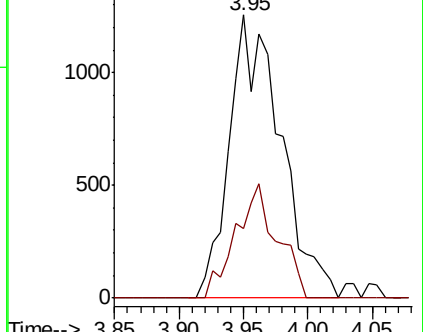
43 100

58 24.5 28.6 43.0#



Abundance Ion 43.00 (42.70 to 43.70): VY002740.D (-315) (-)

Ion 58.00 (57.70 to 58.70): VY002740.D (-315) (-)



#20

Methylene Chloride

Concen: 1.804 ug/l

RT: 4.72 min Scan# 489

Delta R.T. -0.01 min

Lab File: VY002740.D

Acq: 21 May 2020 14:52

Tgt Ion: 84 Resp: 5996

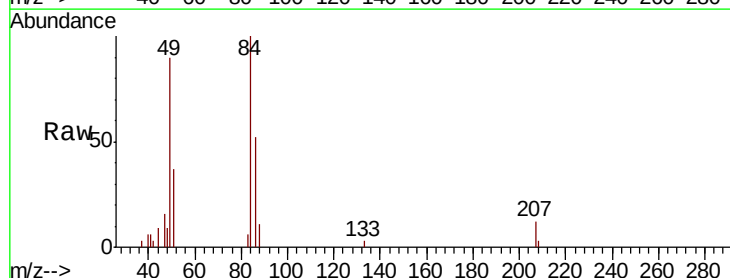
Ion Ratio Lower Upper

84 100

49 89.6 87.4 131.0

51 37.4 27.9 41.9

86 52.1 51.7 77.5

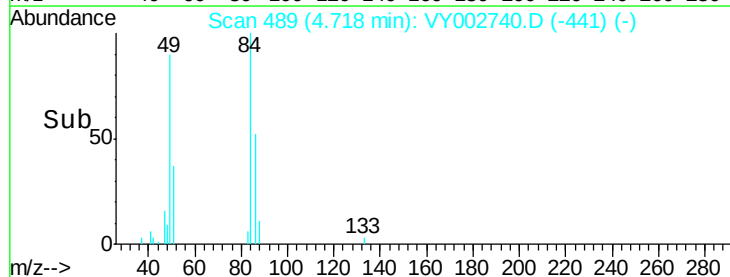
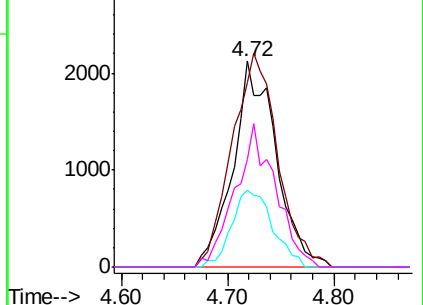


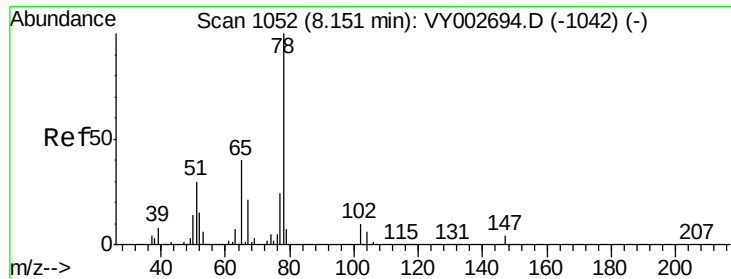
Abundance Ion 83.90 (83.60 to 84.60): VY002740.D (-441) (-)

Ion 48.90 (48.60 to 49.60): VY002740.D (-441) (-)

Ion 50.90 (50.60 to 51.60): VY002740.D (-441) (-)

Ion 85.90 (85.60 to 86.60): VY002740.D (-441) (-)

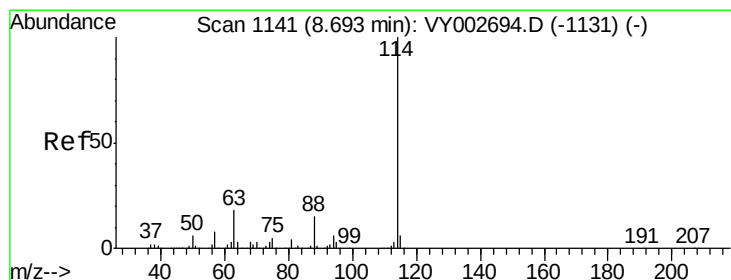
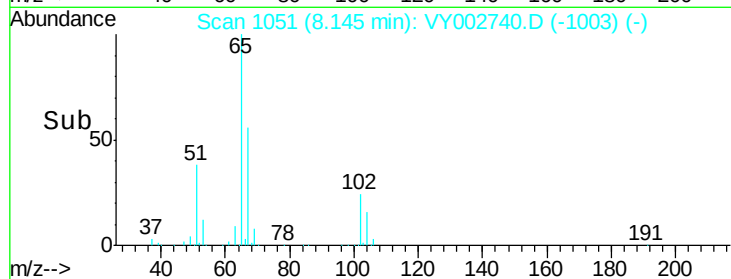
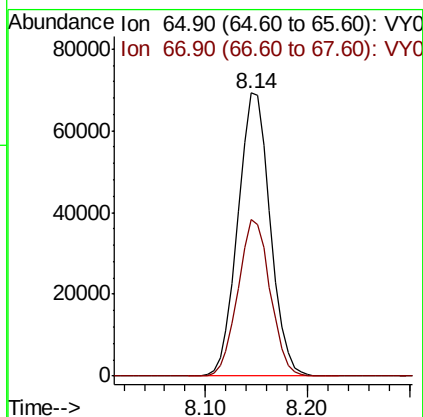
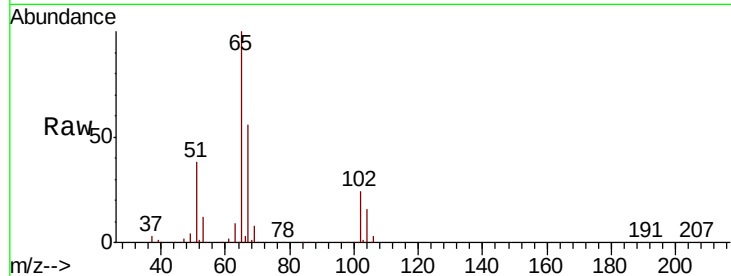




#33
 1,2-Dichloroethane-d4
 Concen: 57.118 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: VY002740.D
 Acq: 21 May 2020 14:52

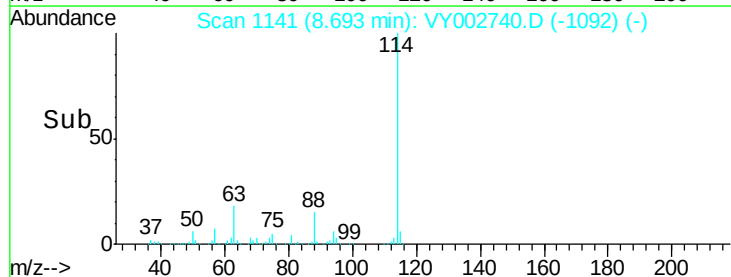
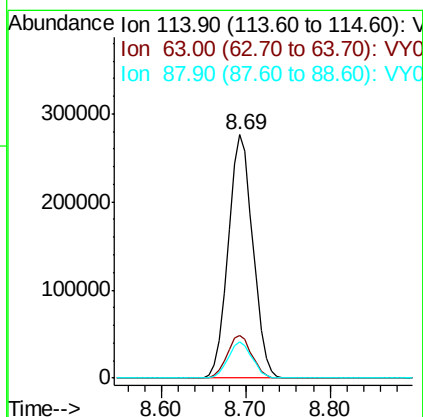
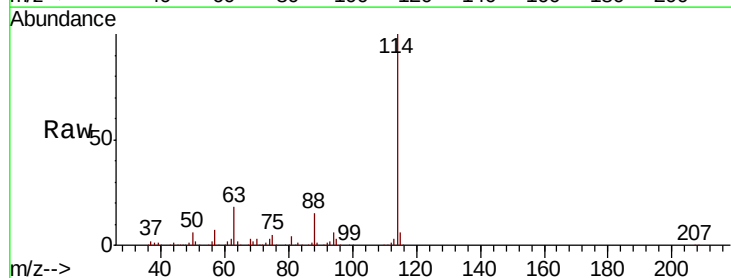
Instrument :
 MSVOA_Y
 ClientSampleId :

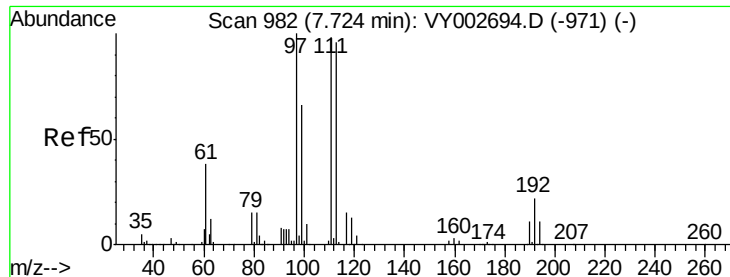
Tot Ion: 65 Resp: 152388
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY002740.D
 Acq: 21 May 2020 14:52

Tgt Ion: 114 Resp: 546360
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 35.4
 88 14.7 0.0 29.4

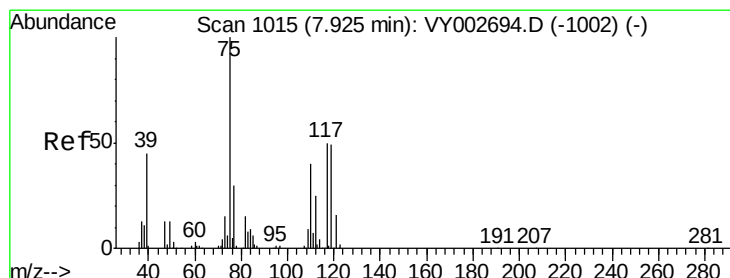
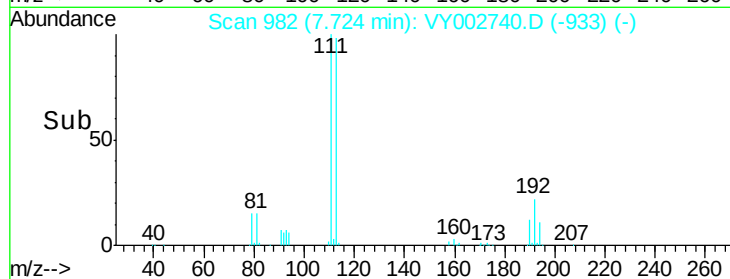
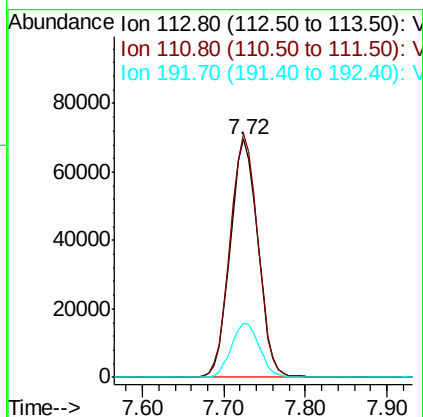
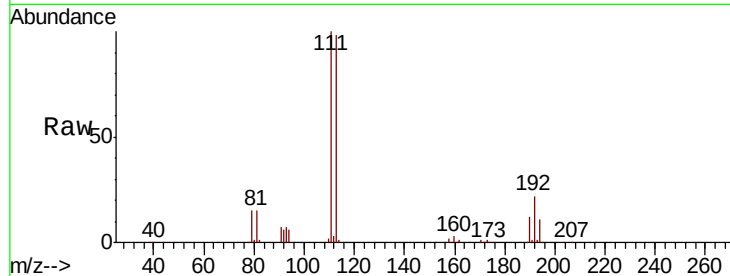




#35
 Dibromofluoromethane
 Concen: 53.916 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VY002740.D
 Acq: 21 May 2020 14:52

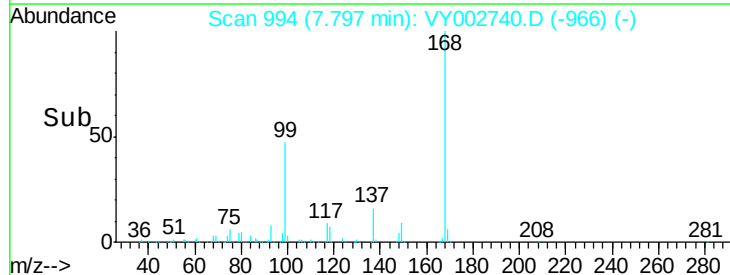
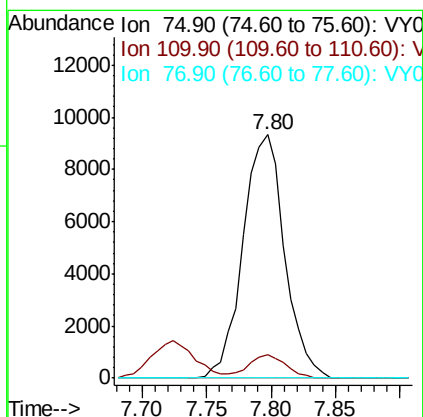
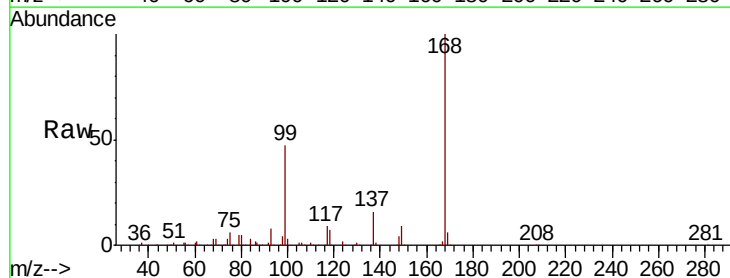
Instrument :
 MSVOA_Y
 ClientSampleId :

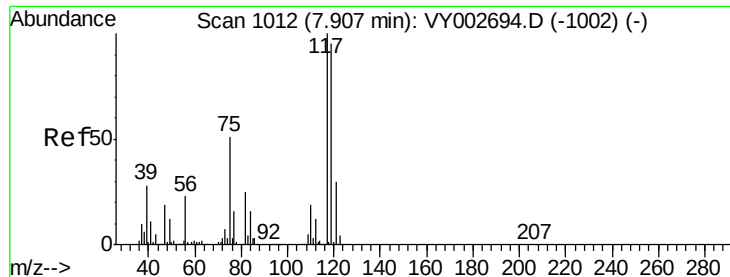
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.9	122.9
192	23.2	18.6	27.8



#36
 1,1-Dichloropropene
 Concen: 4.498 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY002740.D
 Acq: 21 May 2020 14:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	19.4	58.4#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 6.139 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY002740.D

Acq: 21 May 2020 14:52

Instrument :

MSVOA_Y

ClientSampleId :

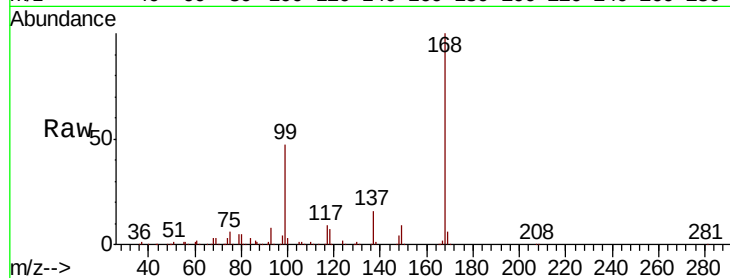
Tot Ion:117 Resp: 30517

Ion Ratio Lower Upper

117 100

119 4.4 76.3 114.5#

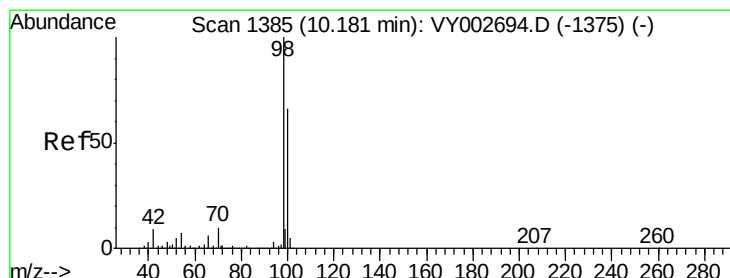
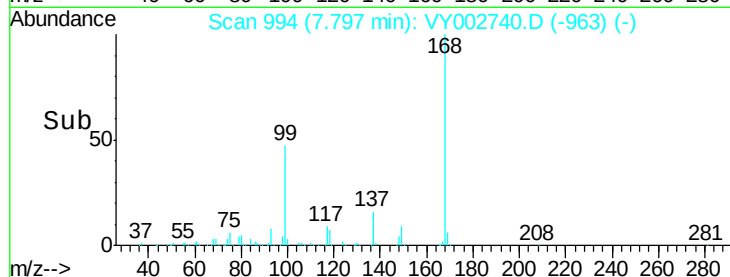
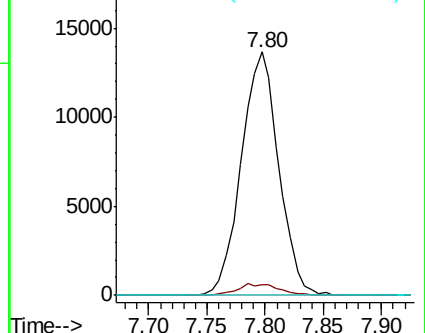
121 0.0 24.2 36.2#



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



#50

Toluene-d8

Concen: 52.790 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY002740.D

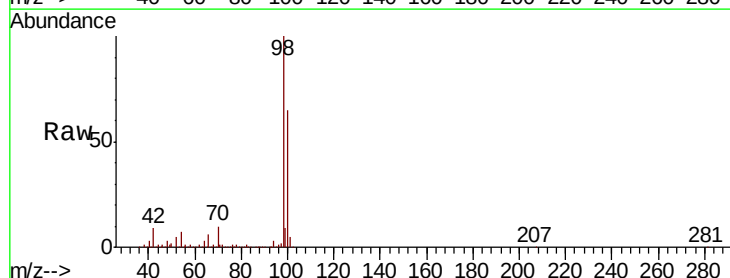
Acq: 21 May 2020 14:52

Tgt Ion: 98 Resp: 640843

Ion Ratio Lower Upper

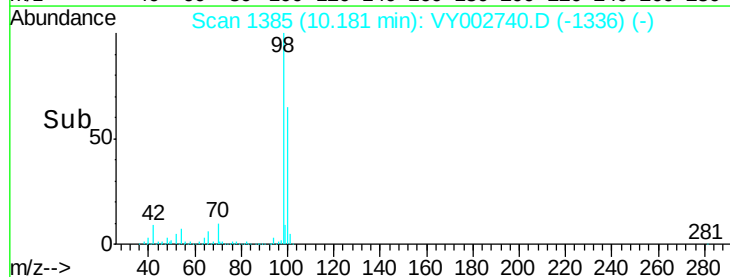
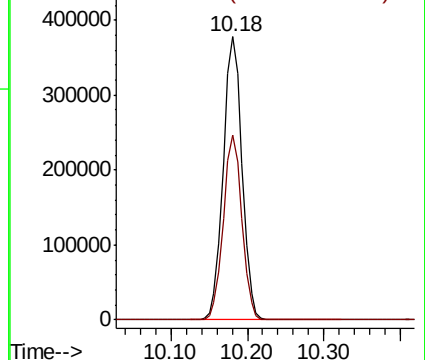
98 100

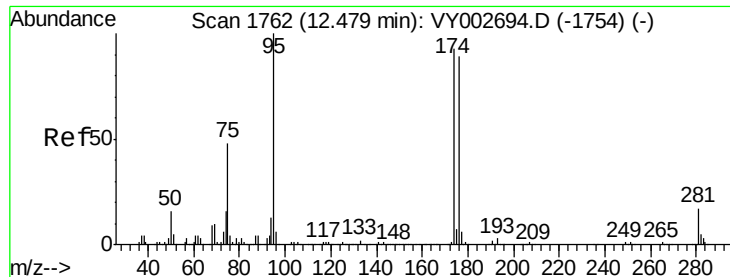
100 64.5 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#62

4-Bromofluorobenzene

Concen: 50.199 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY002740.D

Acq: 21 May 2020 14:52

Instrument :

MSVOA_Y

ClientSampleId :

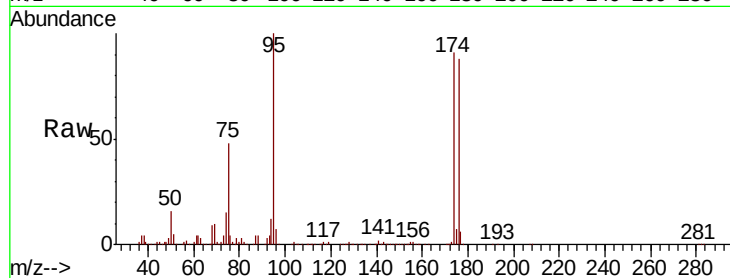
Tot Ion: 95 Resp: 209452

Ion Ratio Lower Upper

95 100

174 94.2 0.0 191.4

176 90.8 0.0 186.0



Abundance Ion 94.90 (94.60 to 95.60): VY002740.D (-1754) (-)

Ion 173.80 (173.50 to 174.50): VY002740.D (-1754) (-)

Ion 175.80 (175.50 to 176.50): VY002740.D (-1754) (-)

12.48

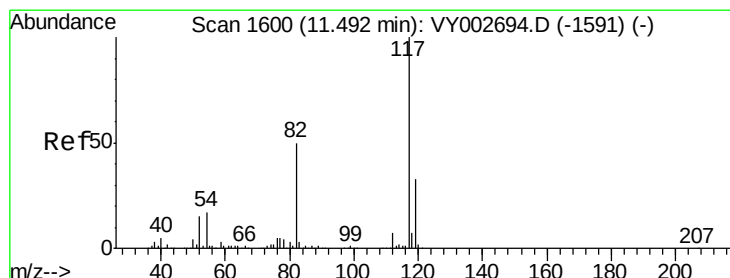
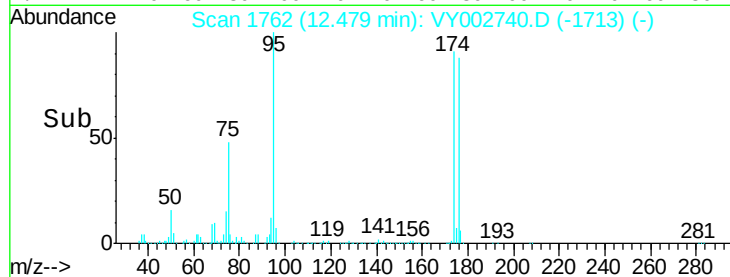
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VY002740.D

Acq: 21 May 2020 14:52

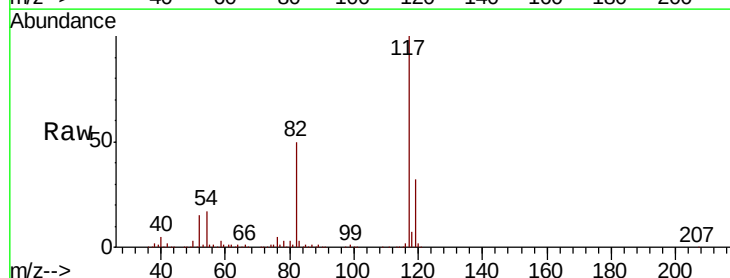
Tgt Ion: 117 Resp: 493330

Ion Ratio Lower Upper

117 100

82 50.1 40.3 60.5

119 31.9 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): VY002740.D (-1551) (-)

Ion 82.00 (81.70 to 82.70): VY002740.D (-1551) (-)

Ion 118.90 (118.60 to 119.60): VY002740.D (-1551) (-)

11.49

400000

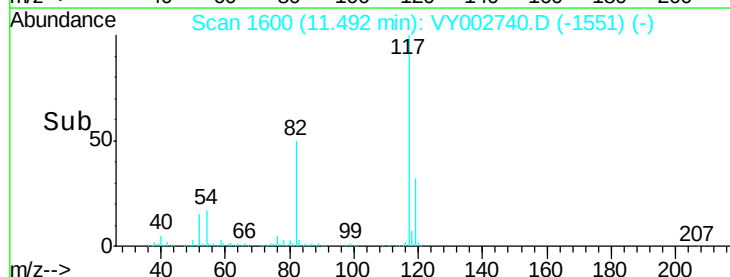
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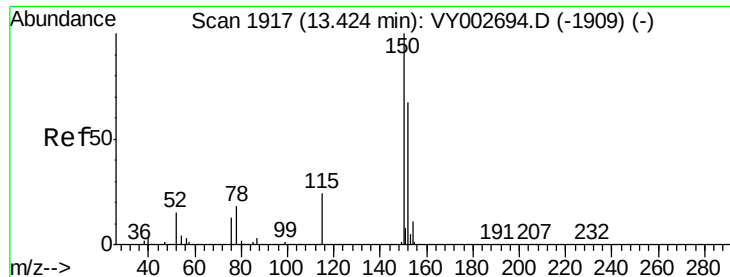
200000

100000

0

Time-->



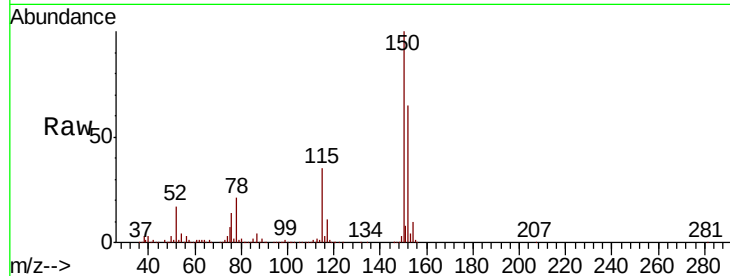


#72

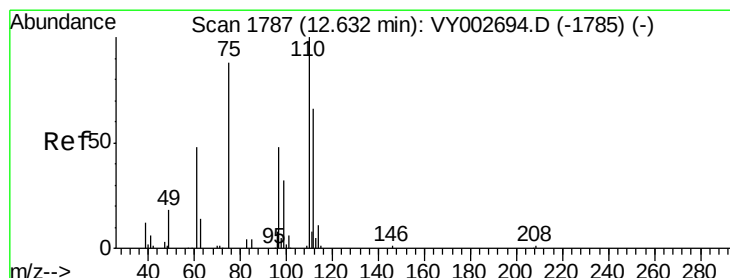
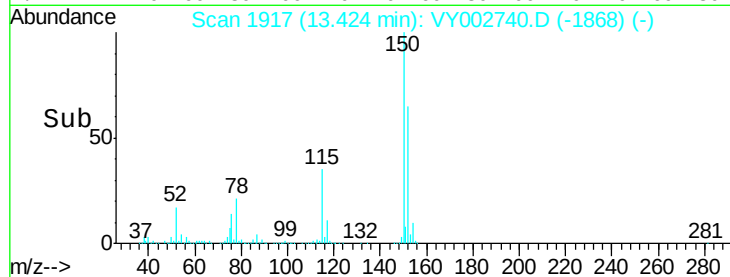
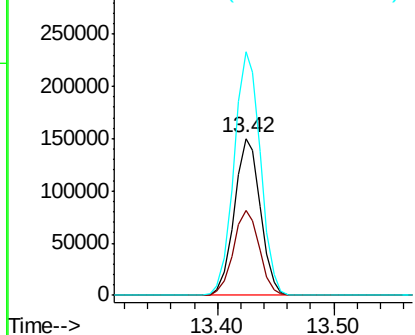
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY002740.D
Acq: 21 May 2020 14:52

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
115	53.9	27.2	81.6
150	156.7	0.0	343.8



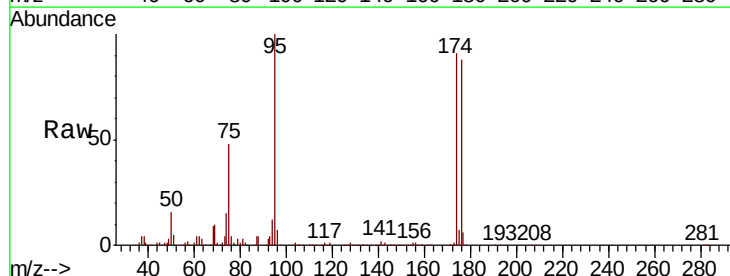
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



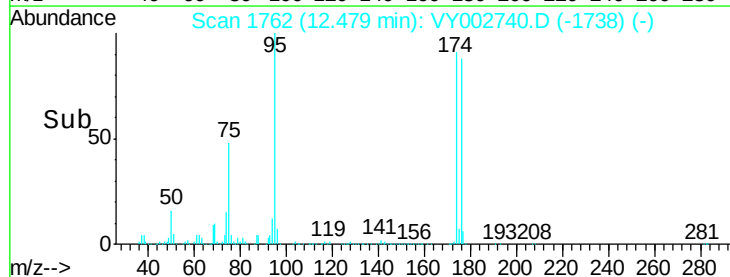
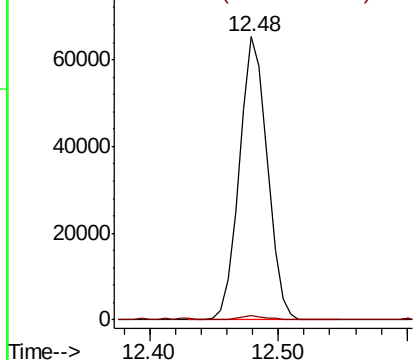
#76

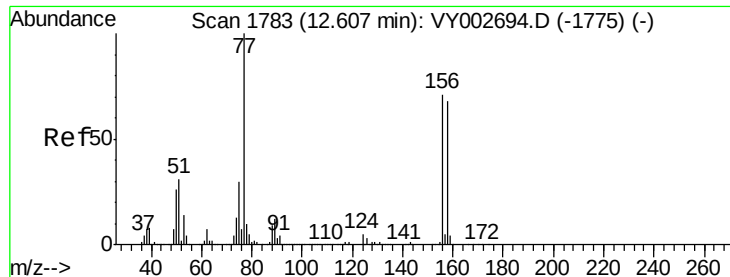
1,2,3-Trichloropropane
Concen: 50.975 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY002740.D
Acq: 21 May 2020 14:52

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





#77

Bromobenzene

Concen: 2.236 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY002740.D

Acq: 21 May 2020 14:52

Instrument :

MSVOA_Y

ClientSampled :

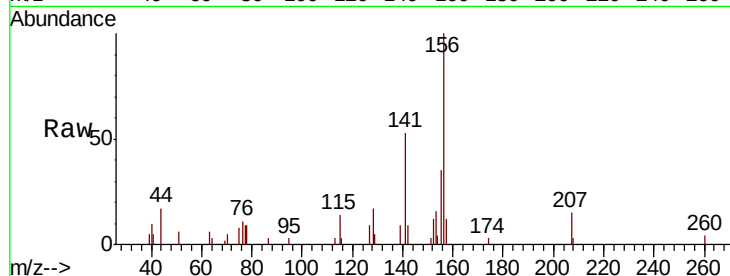
Tot Ion:156 Resp: 8547

Ion Ratio Lower Upper

156 100

77 3.4 80.8 242.3#

158 0.0 49.0 147.0#

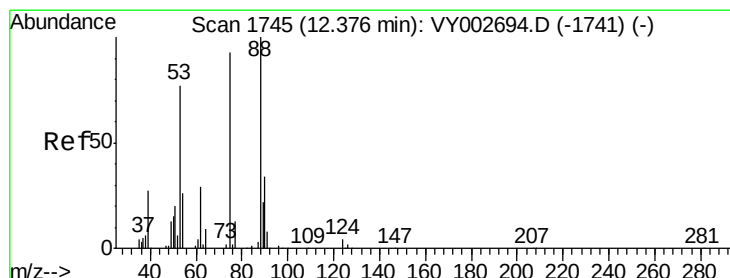
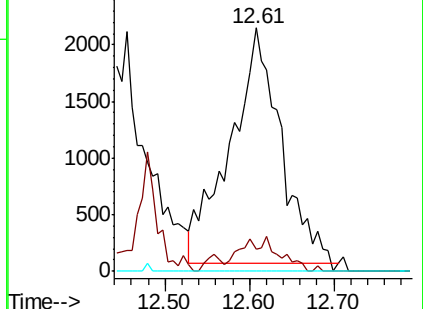
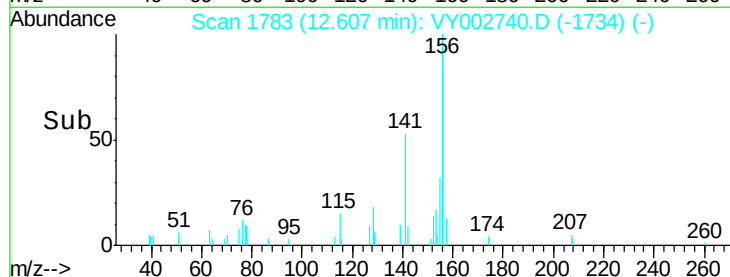


Abundance Ion 155.80 (155.50 to 156.50): VY002740.D (-1734) (-)

Ion 77.00 (76.70 to 77.70): VY002740.D (-1734) (-)

Ion 157.80 (157.50 to 158.50): VY002740.D (-1734) (-)

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 96.404 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY002740.D

Acq: 21 May 2020 14:52

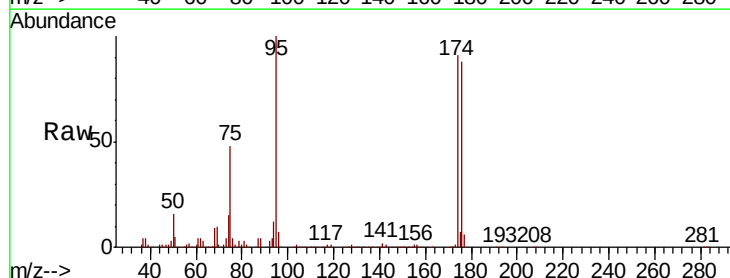
Tgt Ion: 75 Resp: 97988

Ion Ratio Lower Upper

75 100

53 0.0 65.0 97.6#

89 0.1 66.6 99.8#

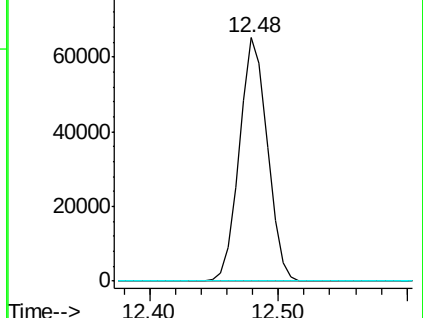
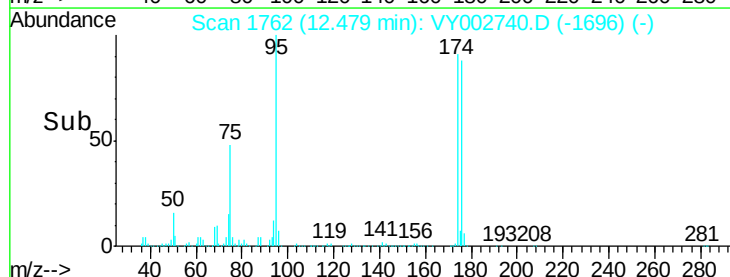


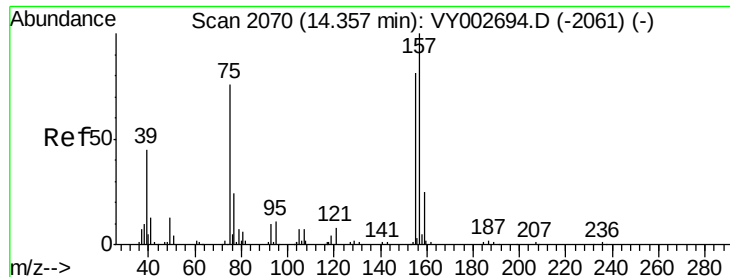
Abundance Ion 74.90 (74.60 to 75.60): VY002740.D (-1696) (-)

Ion 53.00 (52.70 to 53.70): VY002740.D (-1696) (-)

Ion 88.90 (88.60 to 89.60): VY002740.D (-1696) (-)

Time-->





#92

1,2-Dibromo-3-Chloropropane

Concen: 11.401 ug/l

RT: 14.53 min Scan# 2098

Delta R.T. 0.17 min

Lab File: VY002740.D

Acq: 21 May 2020 14:52

Instrument :

MSVOA_Y

ClientSampleId :

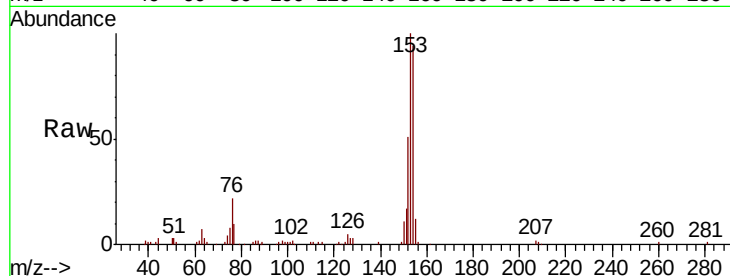
Tot Ion: 75 Resp: 4923

Ion Ratio Lower Upper

75 100

155 167.8 53.5 160.7#

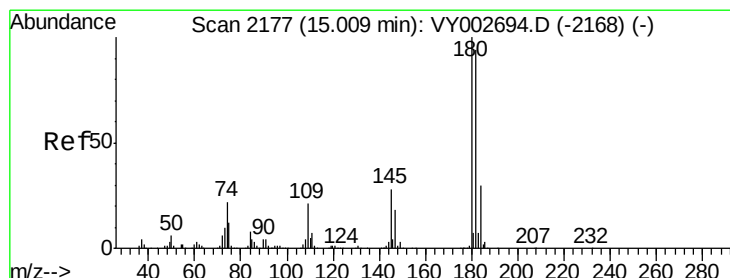
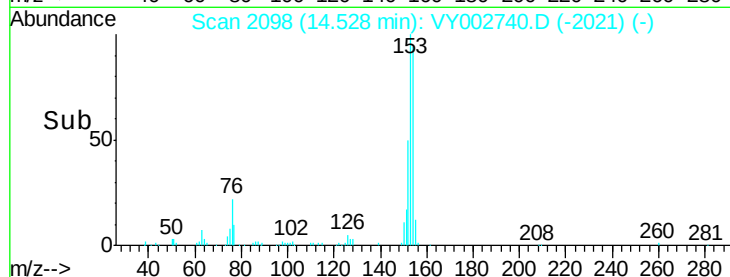
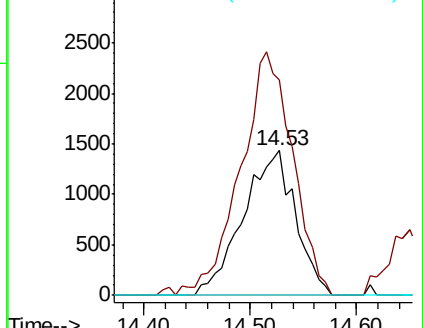
157 0.0 67.9 203.7#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: Below Cal

RT: 15.00 min Scan# 2176

Delta R.T. -0.01 min

Lab File: VY002740.D

Acq: 21 May 2020 14:52

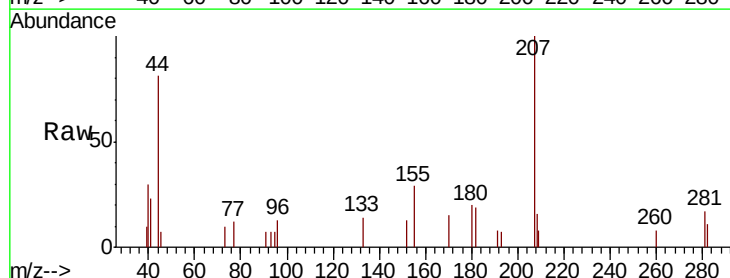
Tgt Ion: 180 Resp: 190

Ion Ratio Lower Upper

180 100

182 111.1 47.3 142.0

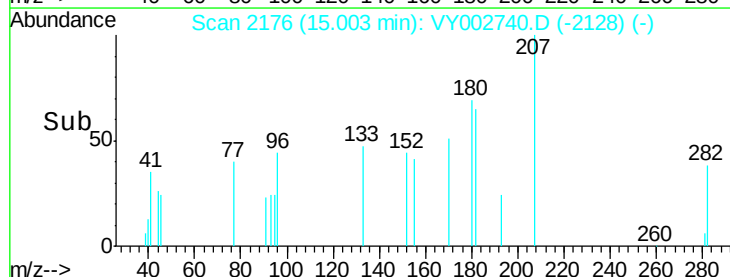
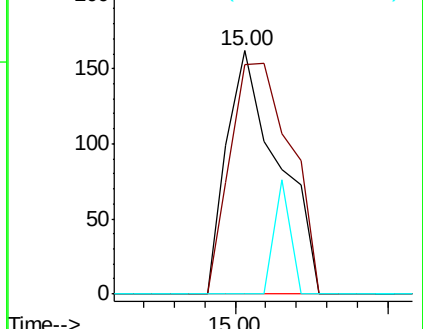
145 14.7 14.1 42.2

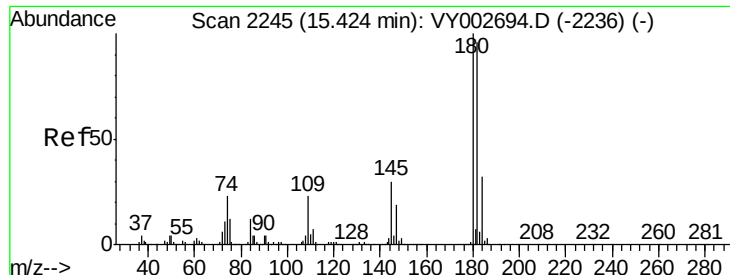


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#96
 1,2,3-Trichlorobenzene
 Concen: Below Cal
 RT: 15.42 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VY002740.D
 Acq: 21 May 2020 14:52

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	65.8	47.6	142.9
145	0.0	15.1	45.3

