

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052120\
 Data File : VY002744.D
 Acq On : 21 May 2020 16:29
 Operator : SY/MD
 Sample : L2742-02
 Misc : 5.06G/5ML/MSVOA Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 21 17:05:25 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	315949	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	507253	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	473171	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	245570	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	152074	61.53	ug/l	0.00
Spiked Amount			Recovery	=	123.06%	
35) Dibromofluoromethane	7.72	113	154429	55.16	ug/l	0.00
Spiked Amount			Recovery	=	110.32%	
50) Toluene-d8	10.18	98	597522	53.02	ug/l	0.00
Spiked Amount			Recovery	=	106.04%	
62) 4-Bromofluorobenzene	12.48	95	206989	53.43	ug/l	0.00
Spiked Amount			Recovery	=	106.86%	

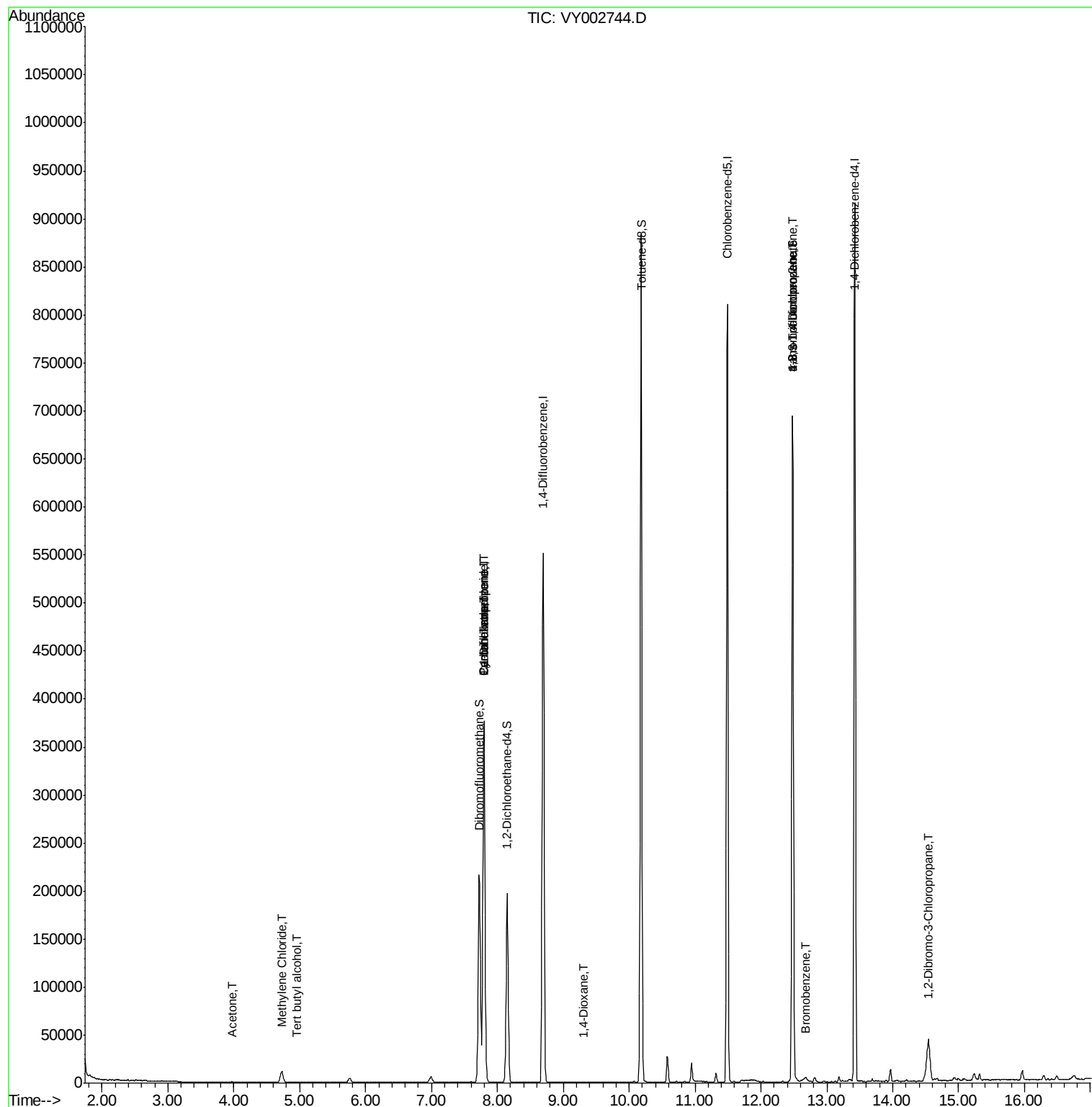
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.96	59	465	1.853	ug/l #	74
16) Acetone	3.96	43	811	1.592	ug/l #	62
20) Methylene Chloride	4.73	84	9381	3.046	ug/l	90
31) Cyclohexane	7.80	56	5140	1.074	ug/l #	4
36) 1,1-Dichloropropene	7.80	75	19295	4.493	ug/l #	49
38) Carbon Tetrachloride	7.79	117	28193	6.109	ug/l #	16
49) 1,4-Dioxane	9.30	88	51	2.241	ug/l #	25
76) 1,2,3-Trichloropropane	12.48	75	99798	49.472	ug/l #	100
77) Bromobenzene	12.68	156	6474	1.614	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.48	75	99798	93.561	ug/l #	8
92) 1,2-Dibromo-3-Chloropropan	14.53	75	1630	3.597	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.00	180	267	Below Cal	#	62
96) 1,2,3-Trichlorobenzene	15.44	180	177	Below Cal	#	63

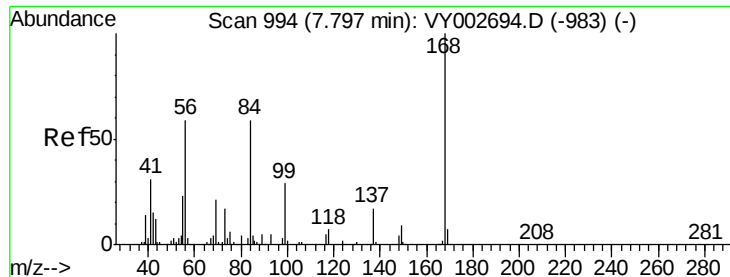
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY052120\
Data File : VY002744.D
Acq On : 21 May 2020 16:29
Operator : SY/MD
Sample : L2742-02
Misc : 5.06G/5ML/MSVOA Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: May 21 17:05:25 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y051520S.M
Quant Title : SW846 8260
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: VY002744.D

Acq: 21 May 2020 16:29

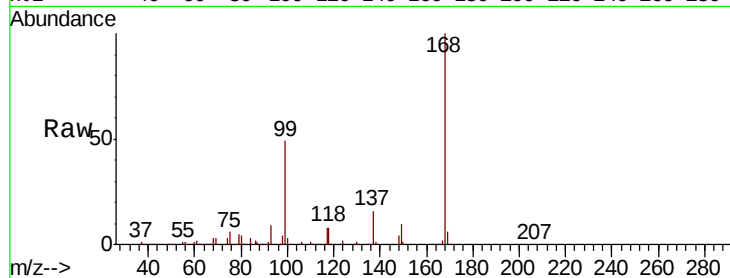
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 315949

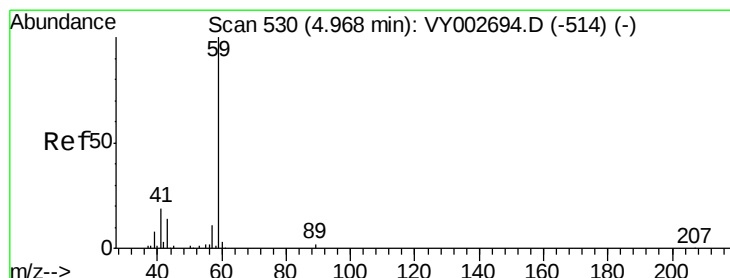
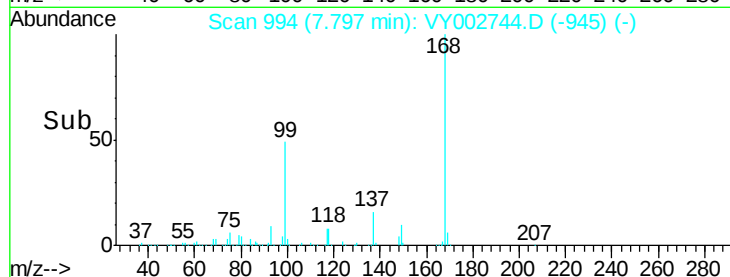
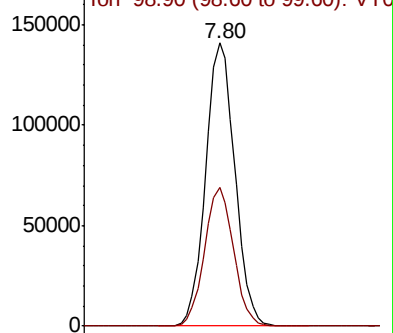
Ion Ratio Lower Upper

168 100

99 48.8 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002694.D (-983) (-)



#11

Tert butyl alcohol

Concen: 1.853 ug/l

RT: 4.96 min Scan# 529

Delta R.T. -0.01 min

Lab File: VY002744.D

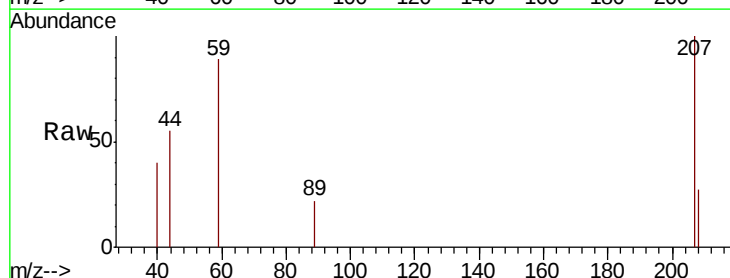
Acq: 21 May 2020 16:29

Tgt Ion: 59 Resp: 465

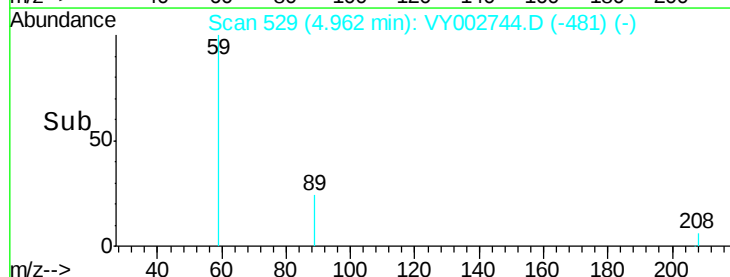
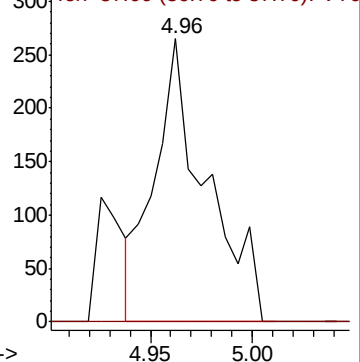
Ion Ratio Lower Upper

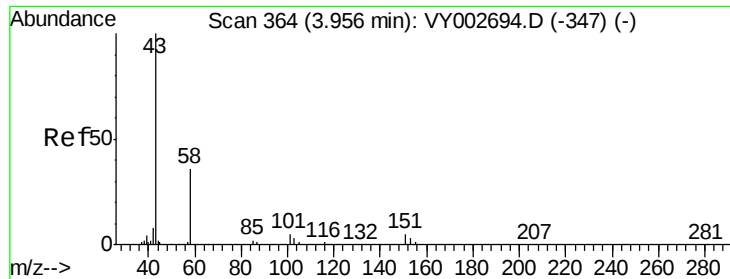
59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VY002694.D (-514) (-)

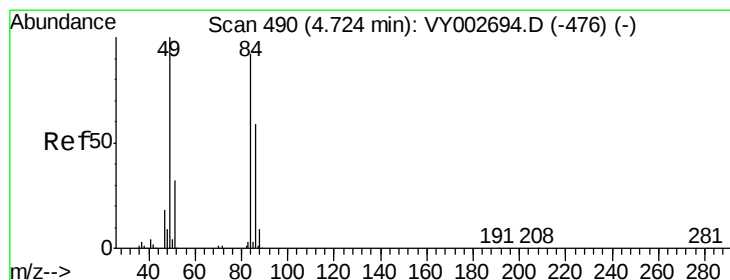
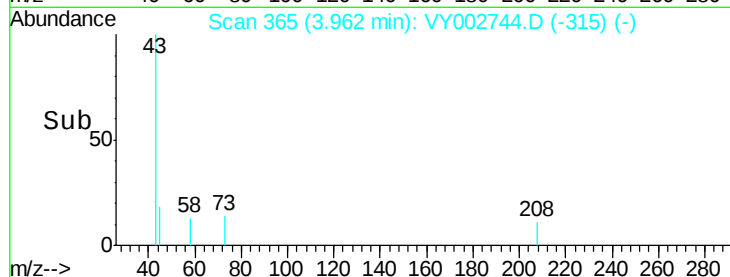
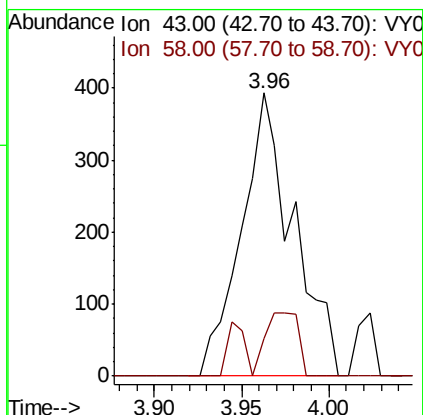
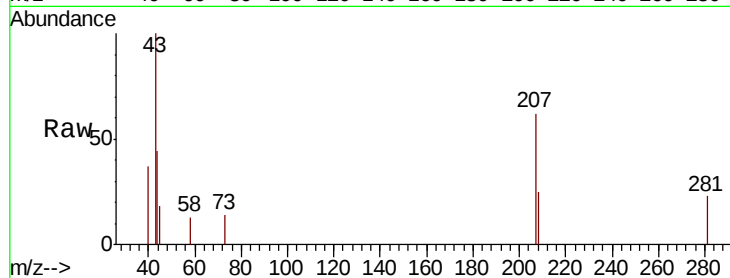




#16
Acetone
Concen: 1.592 ug/l
RT: 3.96 min Scan# 365
Delta R.T. 0.01 min
Lab File: VY002744.D
Acq: 21 May 2020 16:29

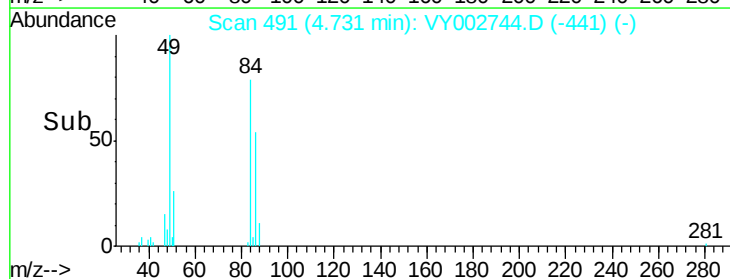
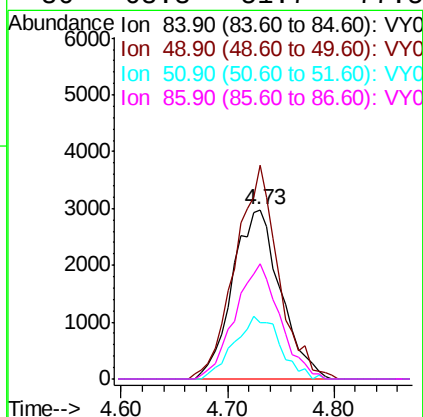
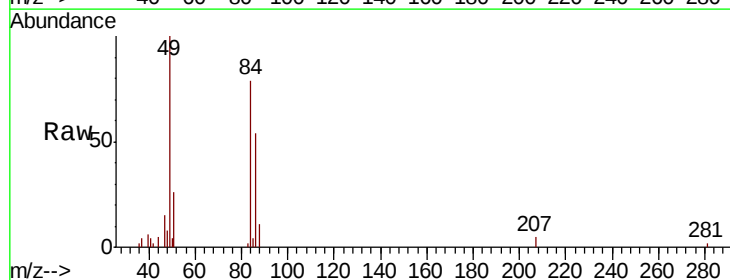
Instrument :
MSVOA_Y
ClientSampleId :

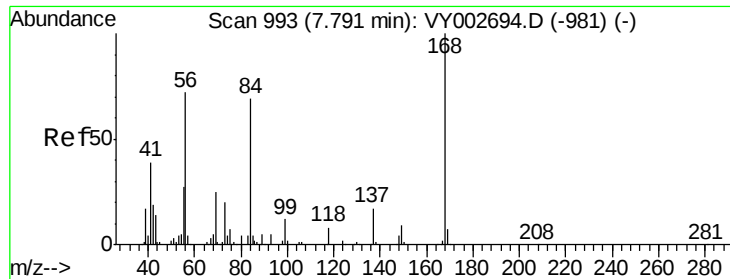
Tot Ion: 43 Resp: 811
Ion Ratio Lower Upper
43 100
58 13.2 28.6 43.0#



#20
Methylene Chloride
Concen: 3.046 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY002744.D
Acq: 21 May 2020 16:29

Tgt Ion: 84 Resp: 9381
Ion Ratio Lower Upper
84 100
49 126.1 87.4 131.0
51 33.1 27.9 41.9
86 68.3 51.7 77.5

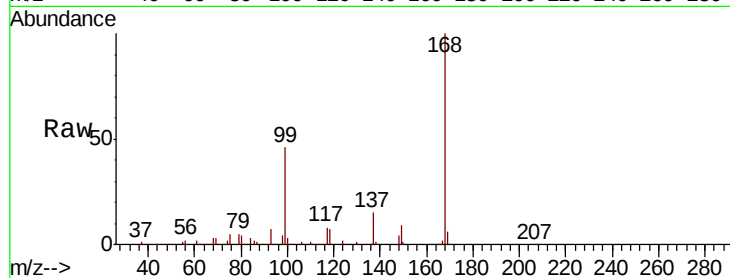




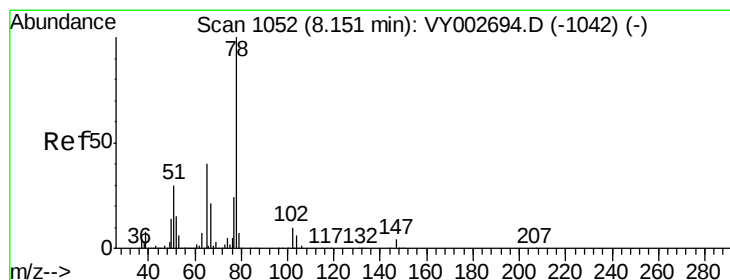
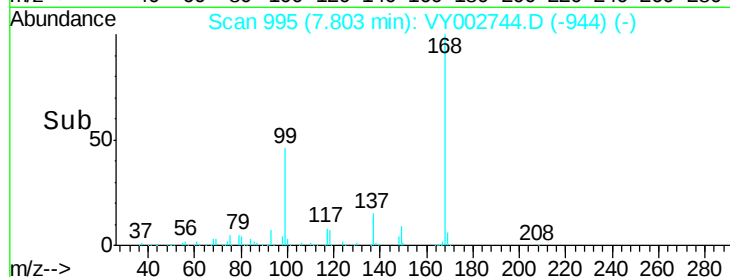
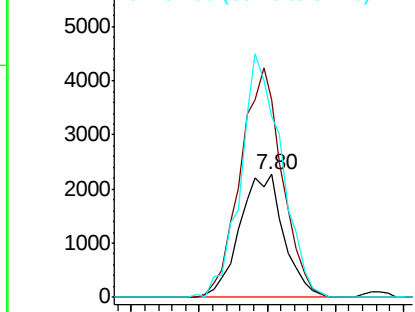
#31
Cyclohexane
Concen: 1.074 ug/l
RT: 7.80 min Scan# 995
Delta R.T. 0.01 min
Lab File: VY002744.D
Acq: 21 May 2020 16:29

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 56 Resp: 5140
Ion Ratio Lower Upper
56 100
69 160.5 27.7 41.5#
84 147.3 77.0 115.4#

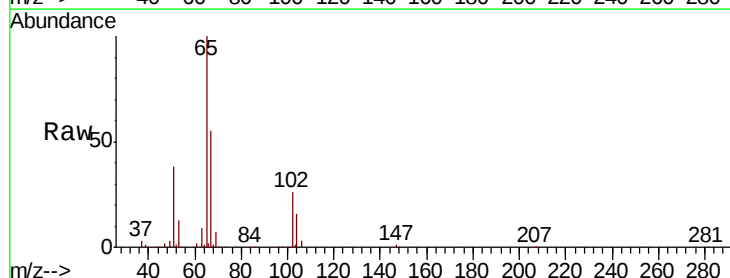


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

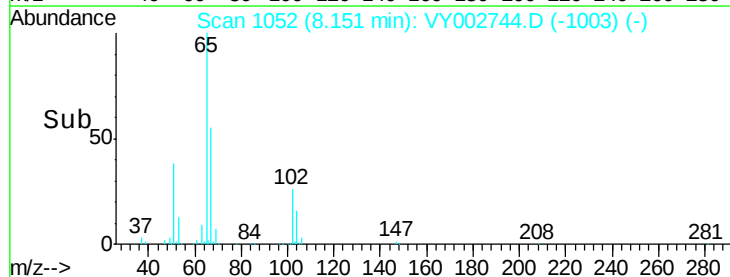
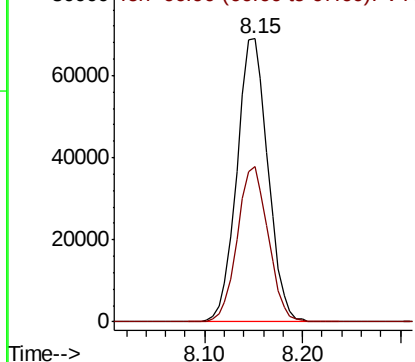


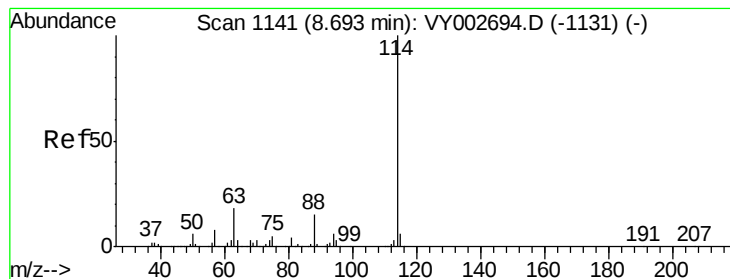
#33
1,2-Dichloroethane-d4
Concen: 61.534 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VY002744.D
Acq: 21 May 2020 16:29

Tgt Ion: 65 Resp: 152074
Ion Ratio Lower Upper
65 100
67 54.5 0.0 109.0



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: VY002744.D

Acq: 21 May 2020 16:29

Instrument :

MSVOA_Y

ClientSampleId :

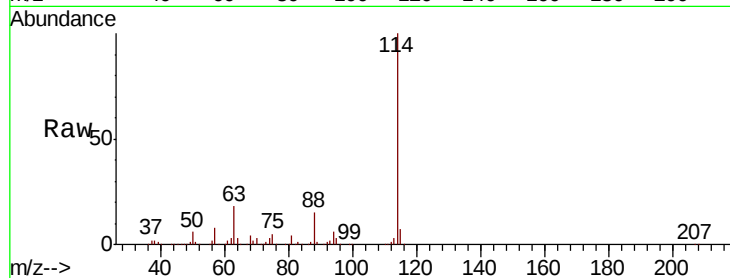
Tot Ion:114 Resp: 507253

Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.4

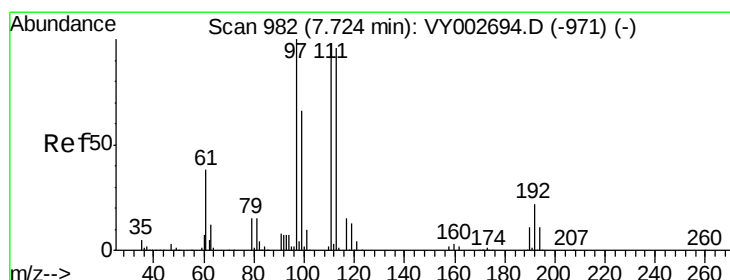
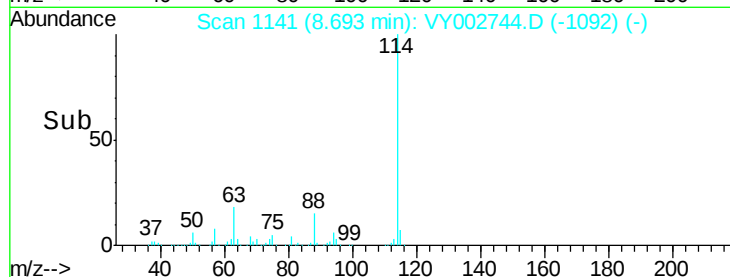
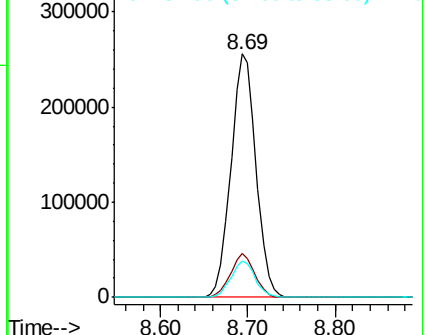
88 14.8 0.0 29.4



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: 55.165 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.00 min

Lab File: VY002744.D

Acq: 21 May 2020 16:29

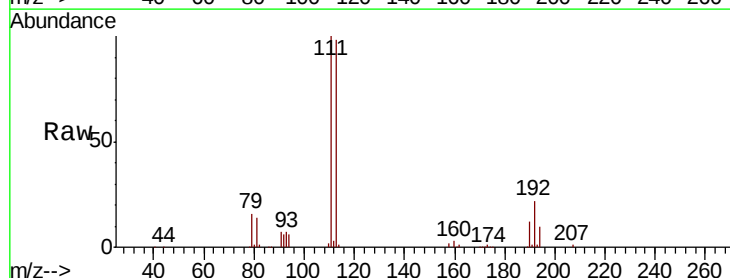
Tgt Ion:113 Resp: 154429

Ion Ratio Lower Upper

113 100

111 102.5 81.9 122.9

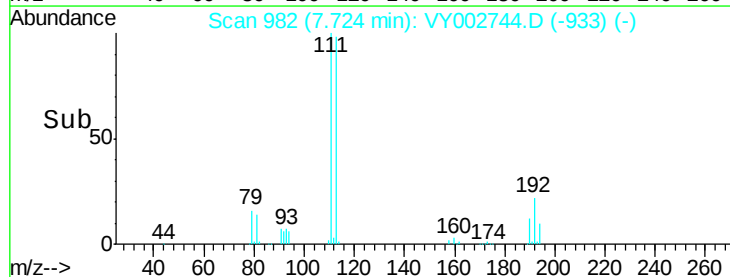
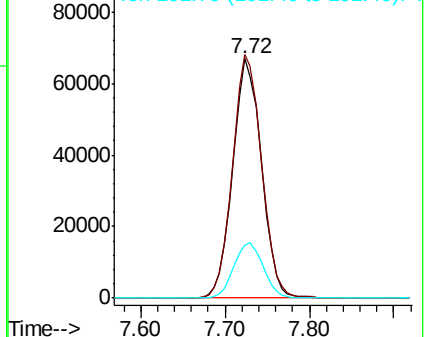
192 23.5 18.6 27.8

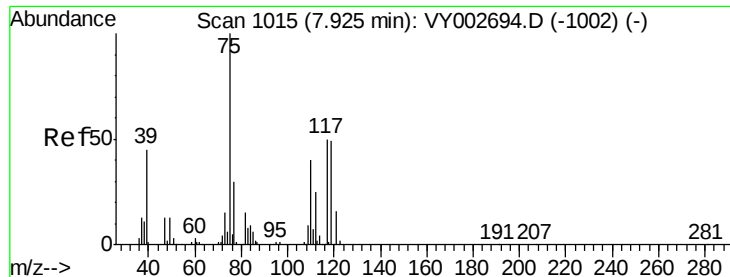


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

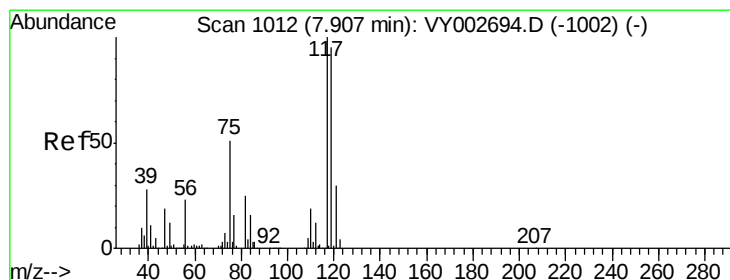
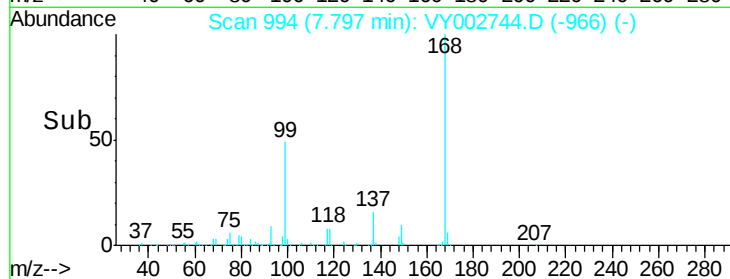
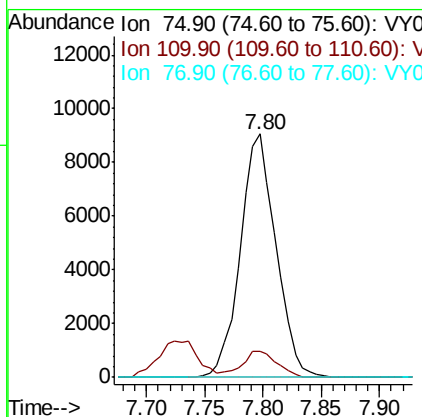
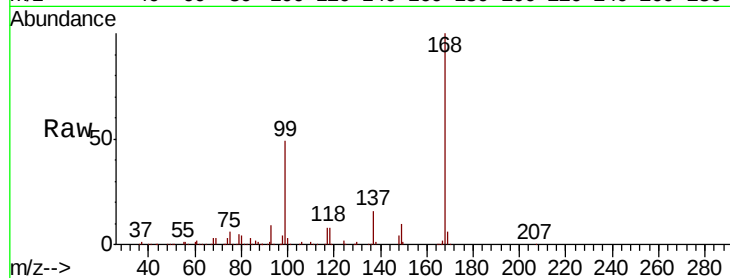




#36
 1,1-Dichloropropene
 Concen: 4.493 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY002744.D
 Acq: 21 May 2020 16:29

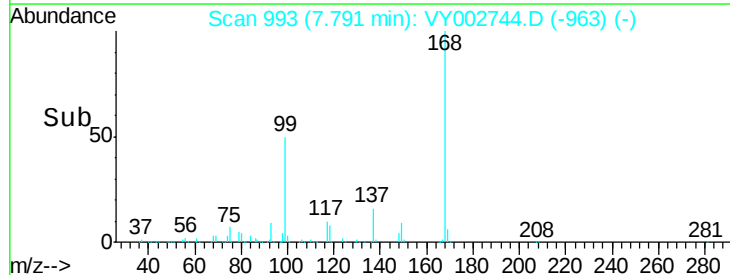
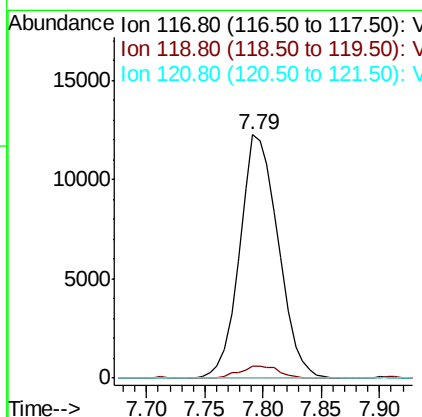
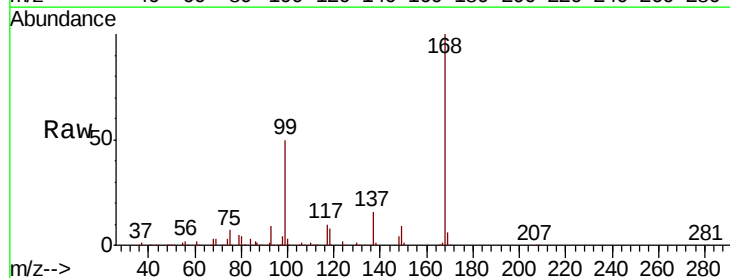
Instrument :
 MSVOA_Y
 ClientSampleId :

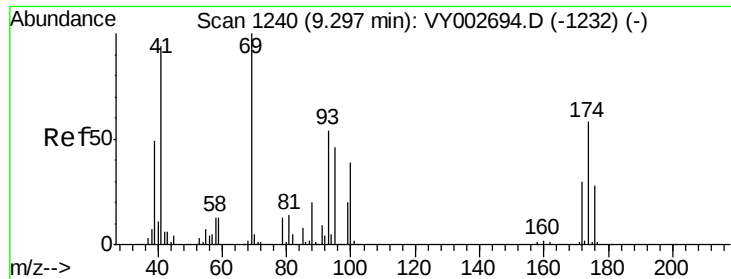
Tot Ion	75	Resp	19295
Ion Ratio	100	Lower	Upper
75	100		
110	10.2	19.4	58.4#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.109 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.12 min
 Lab File: VY002744.D
 Acq: 21 May 2020 16:29

Tgt Ion	117	Resp	28193
Ion Ratio	100	Lower	Upper
117	100		
119	4.8	76.3	114.5#
121	0.0	24.2	36.2#

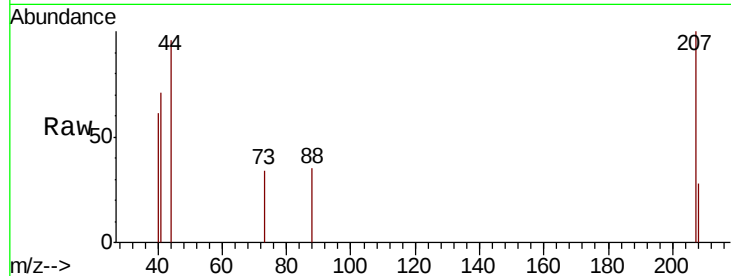




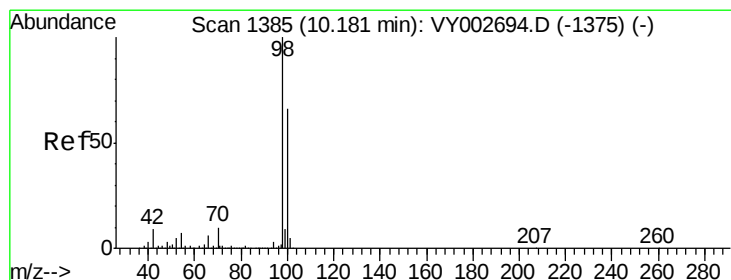
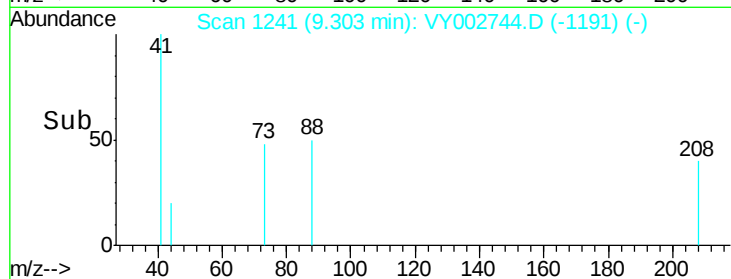
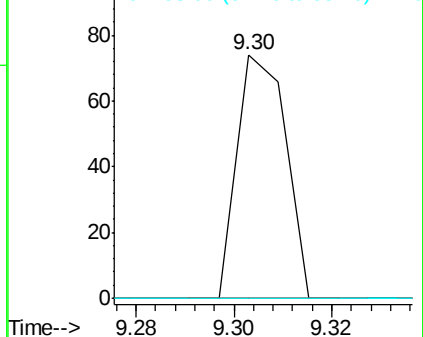
#49
1,4-Dioxane
Concen: 2.241 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VY002744.D
Acq: 21 May 2020 16:29

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 88 Resp: 51
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.0#
58 0.0 54.5 81.7#

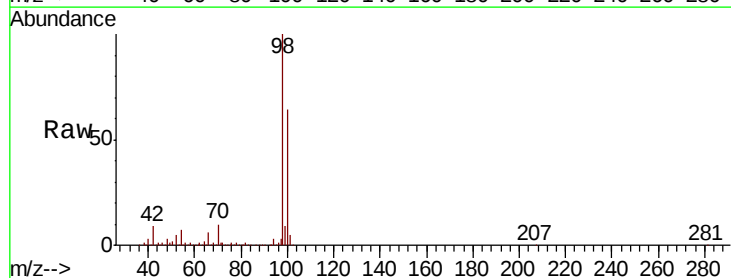


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

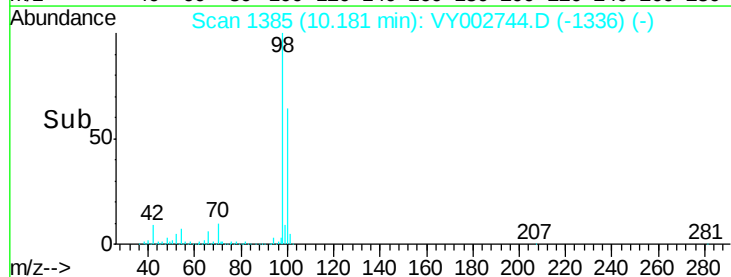
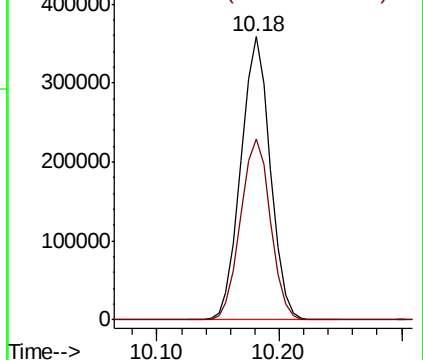


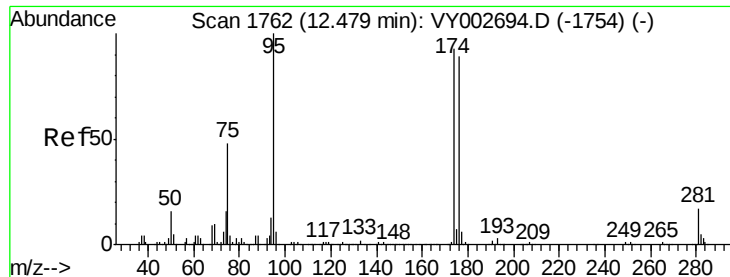
#50
Toluene-d8
Concen: 53.016 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY002744.D
Acq: 21 May 2020 16:29

Tgt Ion: 98 Resp: 597522
Ion Ratio Lower Upper
98 100
100 65.1 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0





#62

4-Bromofluorobenzene

Concen: 53.434 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY002744.D

Acq: 21 May 2020 16:29

Instrument :

MSVOA_Y

ClientSampleId :

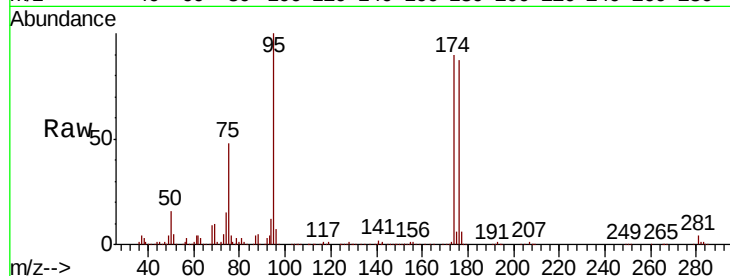
Tot Ion: 95 Resp: 206989

Ion Ratio Lower Upper

95 100

174 93.8 0.0 191.4

176 91.0 0.0 186.0

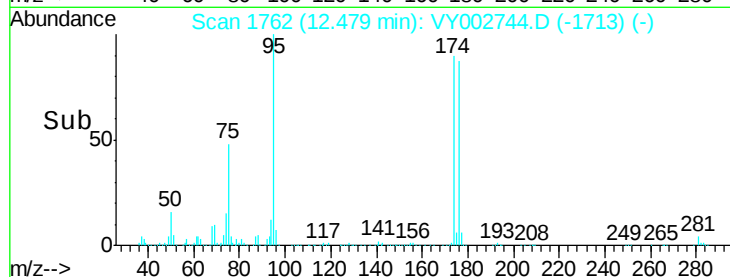


Abundance Ion 94.90 (94.60 to 95.60): VY002744.D (-1713) (-)

Ion 173.80 (173.50 to 174.50): VY002744.D (-1713) (-)

Ion 175.80 (175.50 to 176.50): VY002744.D (-1713) (-)

Time-->



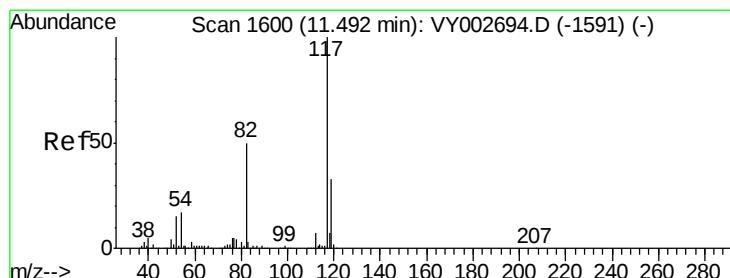
Abundance

Ion 94.90 (94.60 to 95.60): VY002744.D (-1713) (-)

Ion 173.80 (173.50 to 174.50): VY002744.D (-1713) (-)

Ion 175.80 (175.50 to 176.50): VY002744.D (-1713) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VY002744.D

Acq: 21 May 2020 16:29

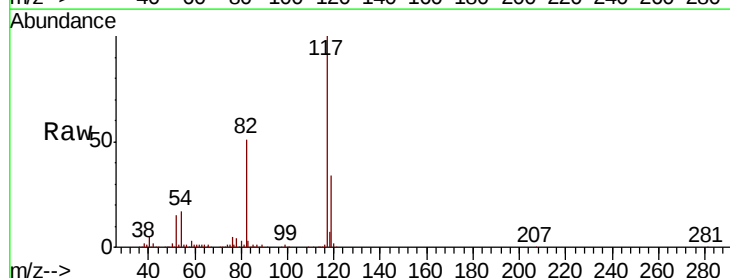
Tgt Ion: 117 Resp: 473171

Ion Ratio Lower Upper

117 100

82 51.1 40.3 60.5

119 33.7 26.2 39.4

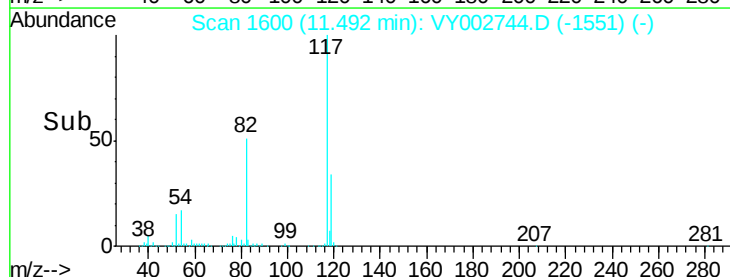


Abundance Ion 116.90 (116.60 to 117.60): VY002744.D (-1551) (-)

Ion 82.00 (81.70 to 82.70): VY002744.D (-1551) (-)

Ion 118.90 (118.60 to 119.60): VY002744.D (-1551) (-)

Time-->



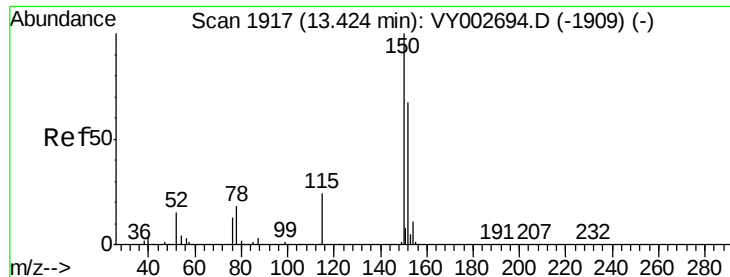
Abundance

Ion 116.90 (116.60 to 117.60): VY002744.D (-1551) (-)

Ion 82.00 (81.70 to 82.70): VY002744.D (-1551) (-)

Ion 118.90 (118.60 to 119.60): VY002744.D (-1551) (-)

Time-->

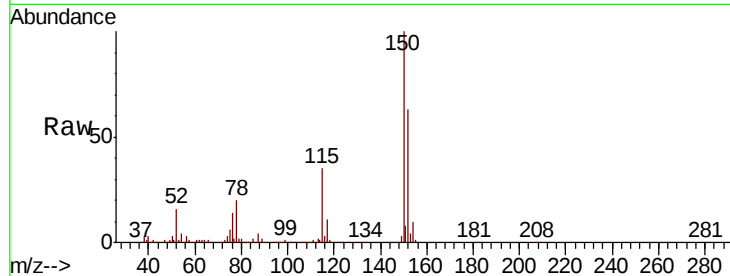


#72

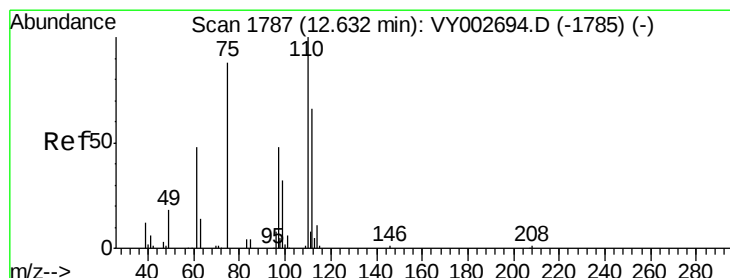
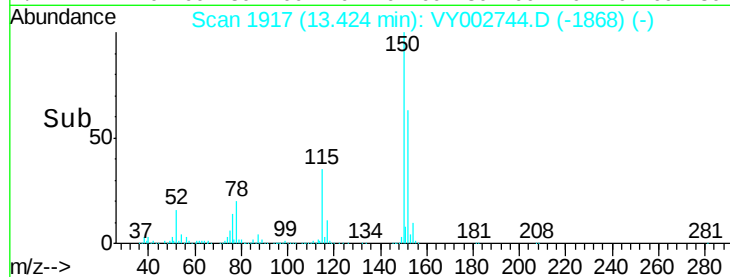
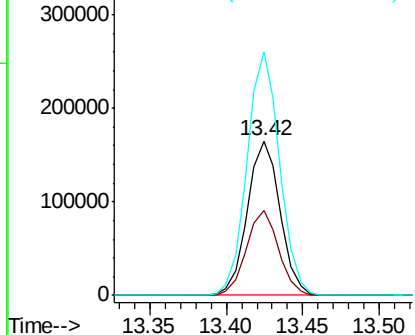
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY002744.D
Acq: 21 May 2020 16:29

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.1	27.2	81.6
150	156.6	0.0	343.8



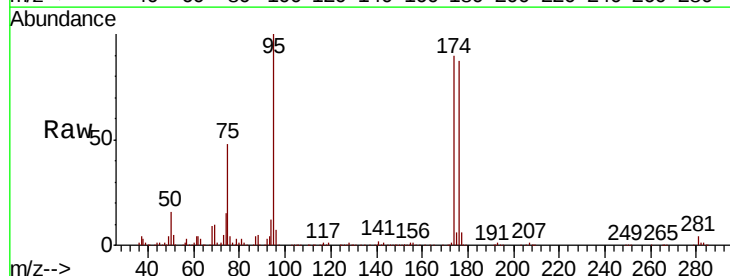
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



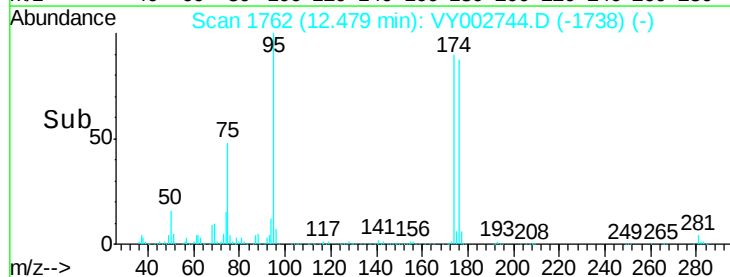
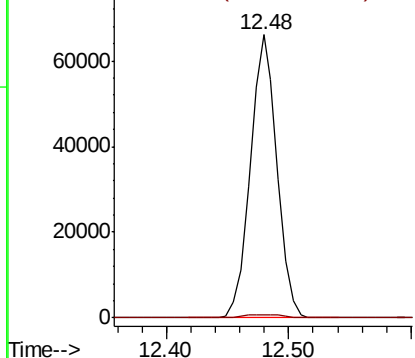
#76

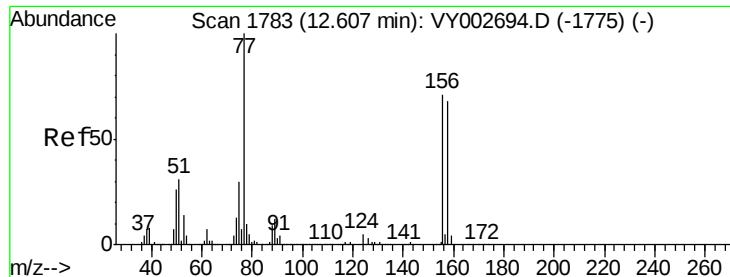
1,2,3-Trichloropropane
Concen: 49.472 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY002744.D
Acq: 21 May 2020 16:29

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.9	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: 1.614 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.07 min

Lab File: VY002744.D

Acq: 21 May 2020 16:29

Instrument :

MSVOA_Y

ClientSampleId :

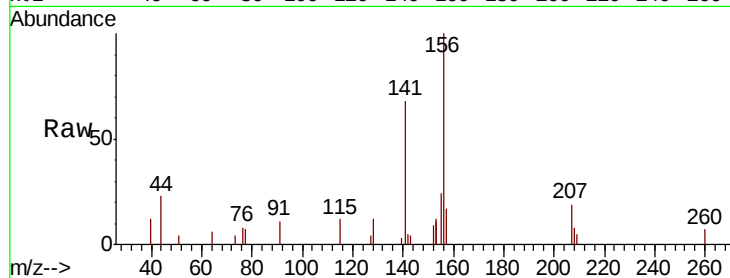
Tot Ion:156 Resp: 6474

Ion Ratio Lower Upper

156 100

77 3.6 80.8 242.3#

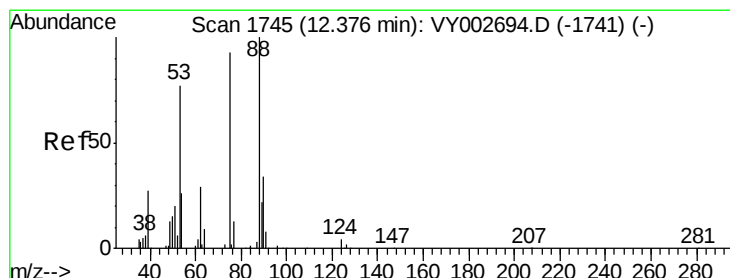
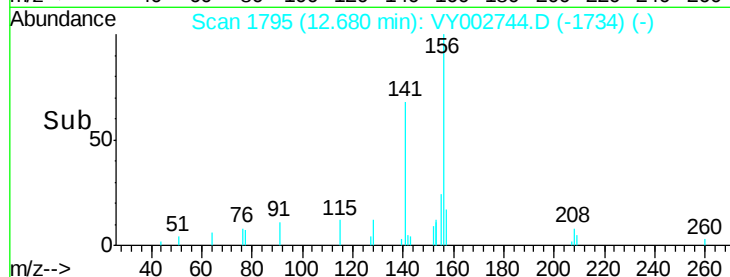
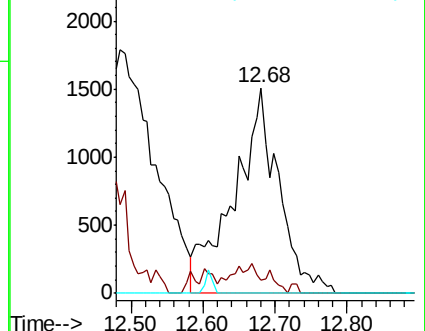
158 0.0 49.0 147.0#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 93.561 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY002744.D

Acq: 21 May 2020 16:29

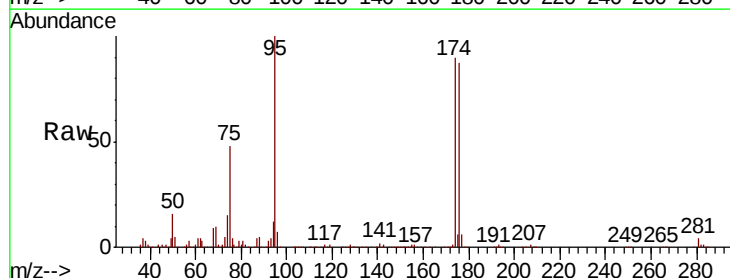
Tgt Ion: 75 Resp: 99798

Ion Ratio Lower Upper

75 100

53 0.0 65.0 97.6#

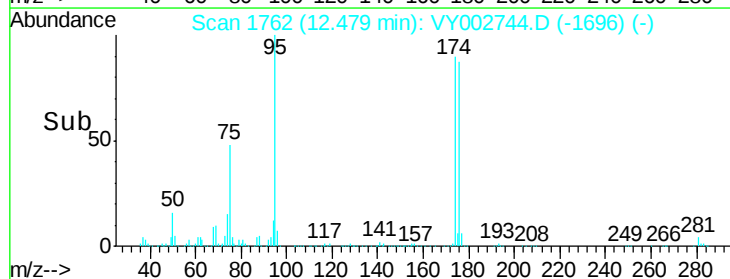
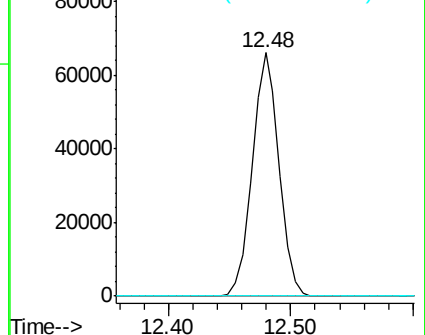
89 0.1 66.6 99.8#

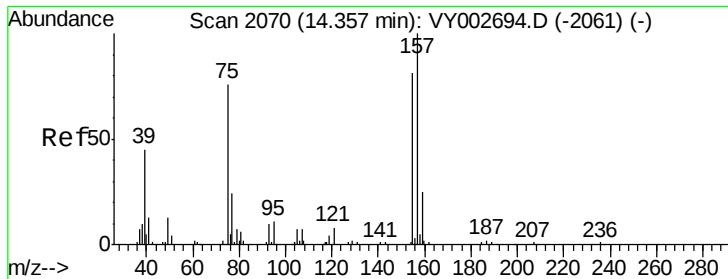


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0





#92

1,2-Dibromo-3-Chloropropane

Concen: 3.597 ug/l

RT: 14.53 min Scan# 2098

Delta R.T. 0.17 min

Lab File: VY002744.D

Acq: 21 May 2020 16:29

Instrument :

MSVOA_Y

ClientSampleId :

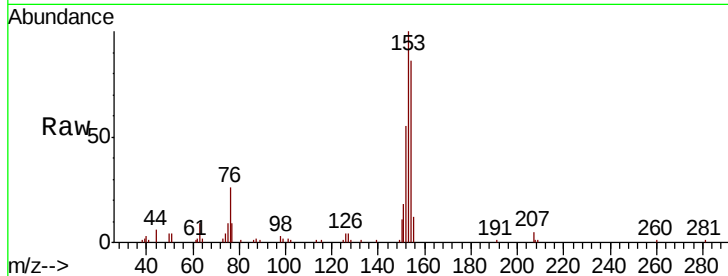
Tot Ion: 75 Resp: 1630

Ion Ratio Lower Upper

75 100

155 291.8 53.5 160.7#

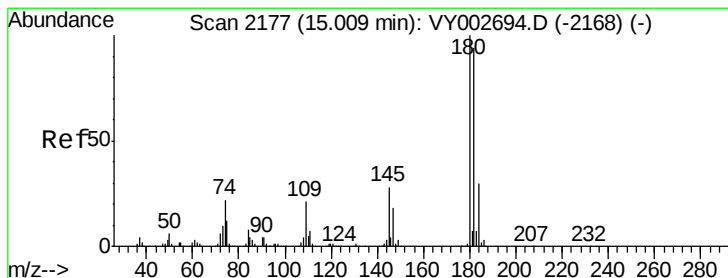
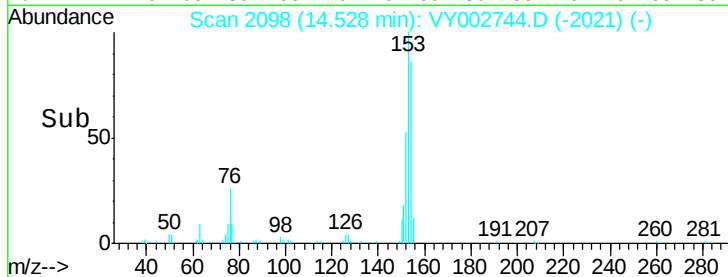
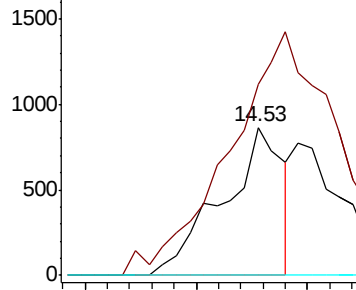
157 0.0 67.9 203.7#



Abundance Ion 74.90 (74.60 to 75.60): VY002744.D (-2021) (-)

Ion 154.80 (154.50 to 155.50): VY002744.D (-2021) (-)

Ion 156.80 (156.50 to 157.50): VY002744.D (-2021) (-)



#93

1,2,4-Trichlorobenzene

Concen: Below Cal

RT: 15.00 min Scan# 2176

Delta R.T. -0.01 min

Lab File: VY002744.D

Acq: 21 May 2020 16:29

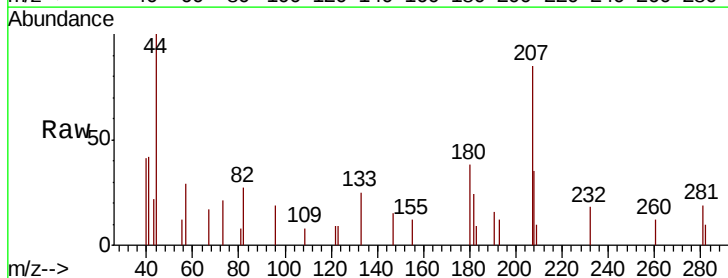
Tgt Ion:180 Resp: 267

Ion Ratio Lower Upper

180 100

182 62.5 47.3 142.0

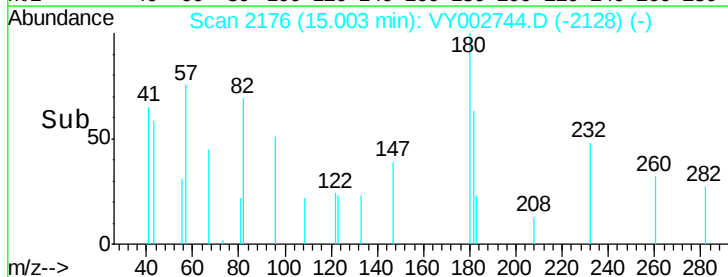
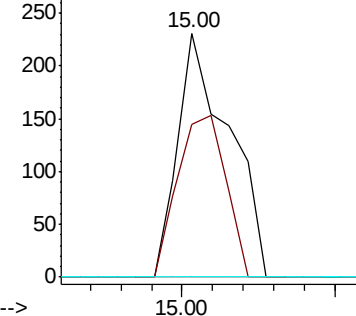
145 0.0 14.1 42.2#

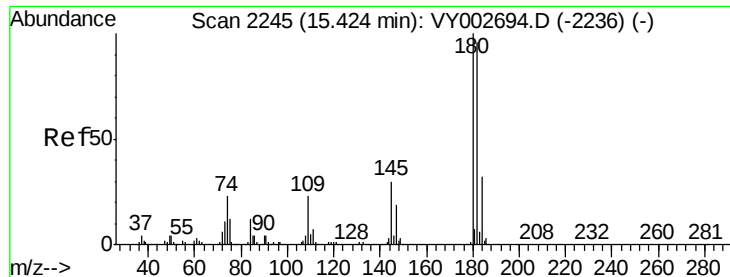


Abundance Ion 179.80 (179.50 to 180.50): VY002744.D (-2128) (-)

Ion 181.80 (181.50 to 182.50): VY002744.D (-2128) (-)

Ion 144.80 (144.50 to 145.50): VY002744.D (-2128) (-)

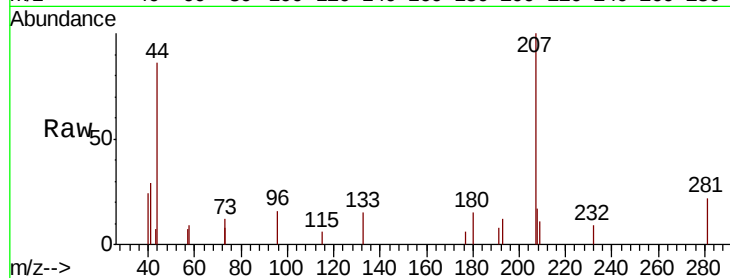




#96
 1,2,3-Trichlorobenzene
 Concen: Below Cal
 RT: 15.44 min Scan# 2247
 Delta R.T. 0.01 min
 Lab File: VY002744.D
 Acq: 21 May 2020 16:29

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	65.5	47.6	142.9
145	0.0	15.1	45.3



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

