

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051821\
 Data File : VY004822.D
 Acq On : 18 May 2021 13:08
 Operator : SY/MD
 Sample : M2392-19
 Misc : 5.06G/5ML/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 19 01:03:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 11 04:13:44 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

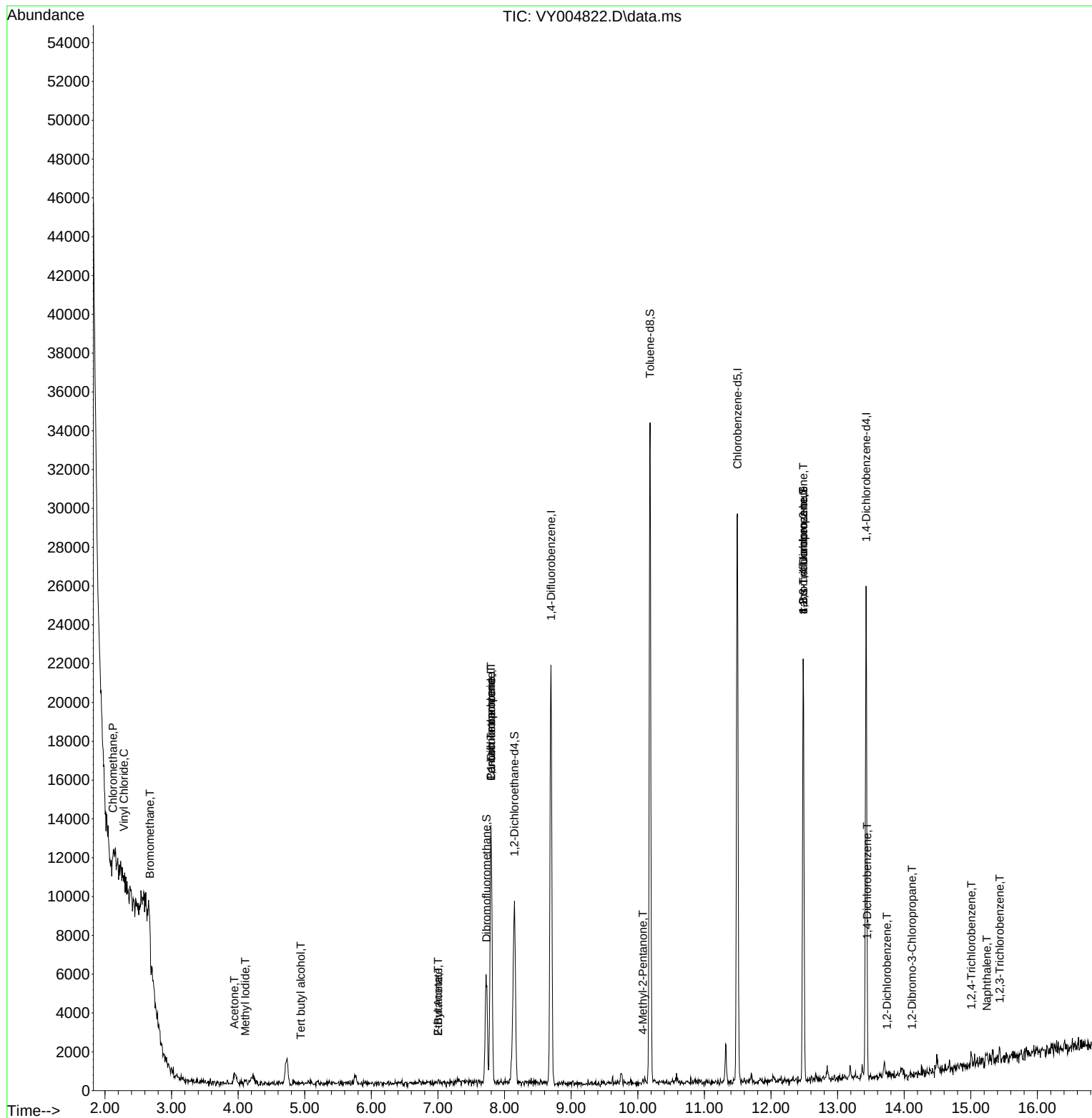
Internal Standards						
1) Pentafluorobenzene	7.795	168	9678	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	17188	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	15558	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	6140	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	6454	56.02	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.04%			
35) Dibromofluoromethane	7.728	113	3743	39.78	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 79.56%			
50) Toluene-d8	10.185	98	21333	50.19	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.38%			
62) 4-Bromofluorobenzene	12.483	95	5720	39.87	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 79.74%			
Target Compounds					Qvalue	
3) Chloromethane	2.119	50	593	4.13	ug/l #	87
4) Vinyl Chloride	2.284	62	552	3.76	ug/l #	43
5) Bromomethane	2.674	94	405	5.40	ug/l #	59
10) Methyl Iodide	4.107	142	271	2.56	ug/l #	60
11) Tert butyl alcohol	4.942	59	20	1.73	ug/l #	71
16) Acetone	3.942	43	980	37.87	ug/l #	80
20) Methylene Chloride	4.735	84	959	Below Cal	#	82
25) 2-Butanone	7.003	43	135	2.94	ug/l #	51
36) 1,1-Dichloropropene	7.795	75	1030	5.85	ug/l #	42
37) Ethyl Acetate	7.003	43	135	1.12	ug/l #	72
38) Carbon Tetrachloride	7.795	117	1185	7.48	ug/l #	12
51) 4-Methyl-2-Pentanone	10.075	43	209	1.73	ug/l #	39
76) 1,2,3-Trichloropropane	12.483	75	3275	50.22	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	3275	87.07	ug/l #	13
88) 1,4-Dichlorobenzene	13.447	146	273	1.35	ug/l #	64
91) 1,2-Dichlorobenzene	13.739	146	209	1.15	ug/l #	36
92) 1,2-Dibromo-3-Chloropr...	14.117	75	19	1.10	ug/l #	4
93) 1,2,4-Trichlorobenzene	15.007	180	202	1.73	ug/l #	76
95) Naphthalene	15.239	128	629	2.49	ug/l #	78
96) 1,2,3-Trichlorobenzene	15.434	180	244	2.36	ug/l	75

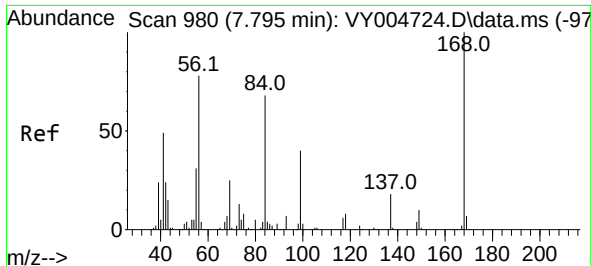
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051821\
Data File : VY004822.D
Acq On : 18 May 2021 13:08
Operator : SY/MD
Sample : M2392-19
Misc : 5.06G/5ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: May 19 01:03:02 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
Quant Title : SW846 8260
QLast Update : Tue May 11 04:13:44 2021
Response via : Initial Calibration

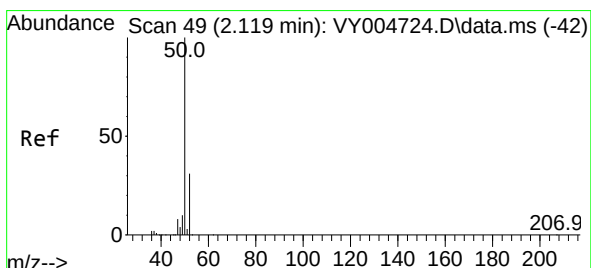
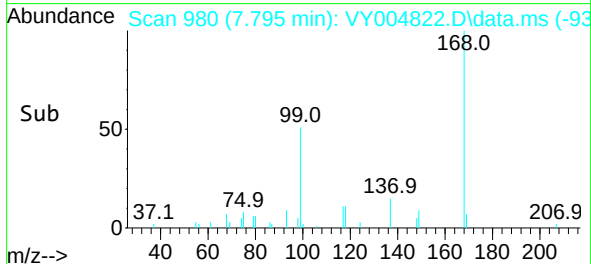
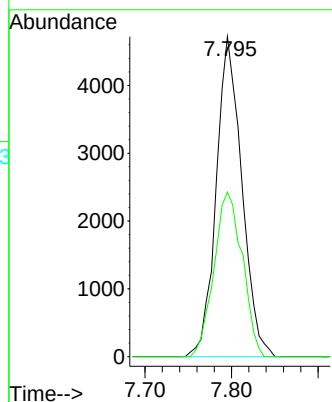
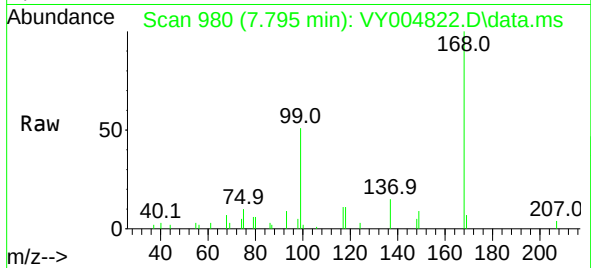




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY004822.D
Acq: 18 May 2021 13:08

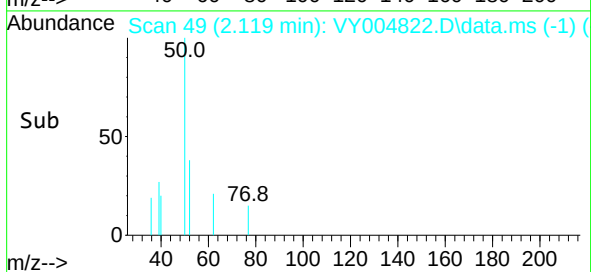
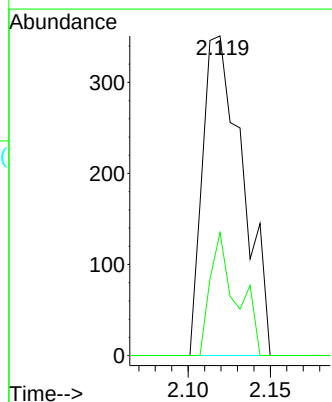
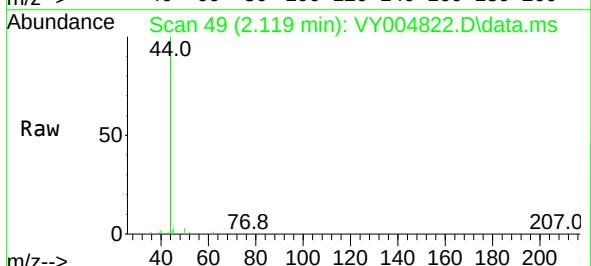
Instrument :
MSVOA_Y
ClientSampleId :

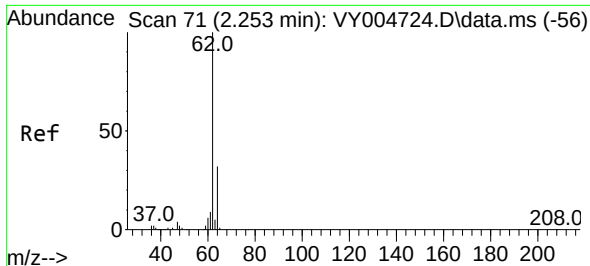
Tgt Ion:168 Resp: 9678
Ion Ratio Lower Upper
168 100
99 51.5 45.6 68.4



#3
Chloromethane
Concen: 4.13 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY004822.D
Acq: 18 May 2021 13:08

Tgt Ion: 50 Resp: 593
Ion Ratio Lower Upper
50 100
52 38.5 25.0 37.6#

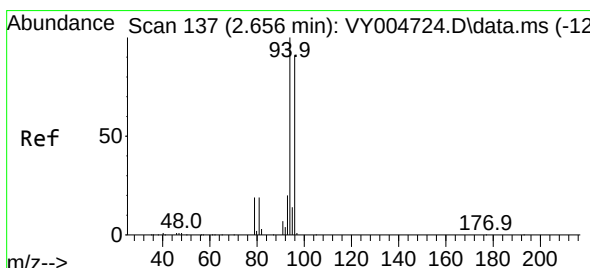
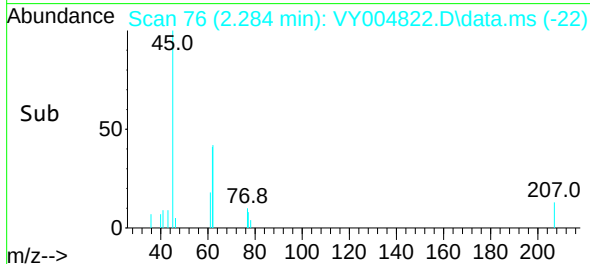
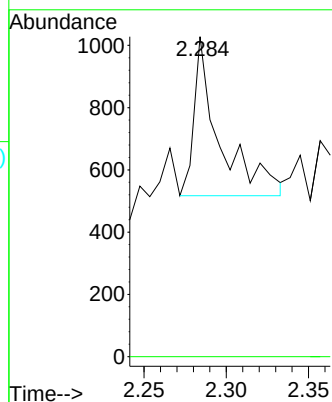
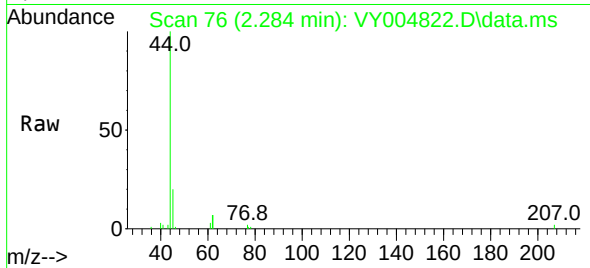




#4
 Vinyl Chloride
 Concen: 3.76 ug/l
 RT: 2.284 min Scan# 76
 Delta R.T. 0.031 min
 Lab File: VY004822.D
 Acq: 18 May 2021 13:08

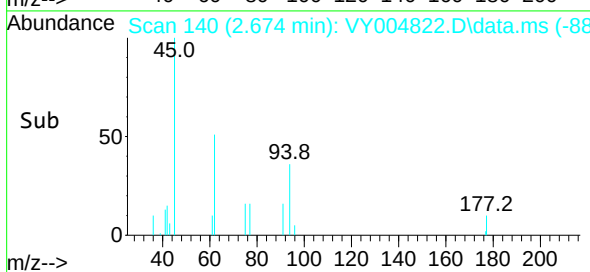
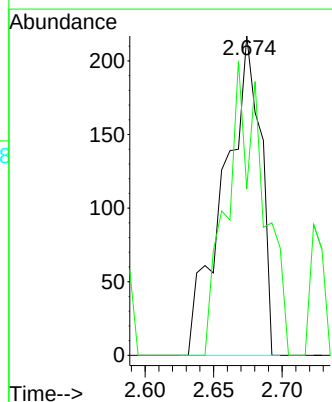
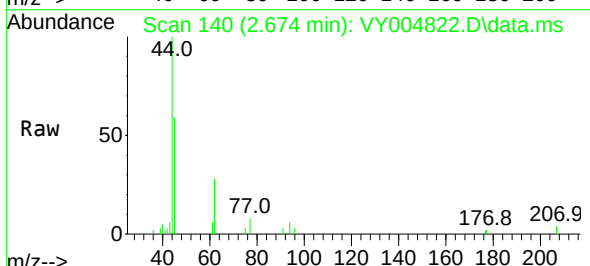
Instrument :
 MSVOA_Y
 ClientSampled :

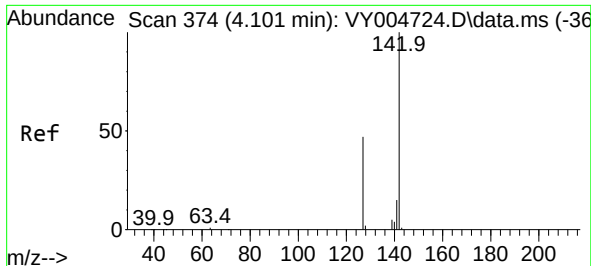
Tgt Ion: 62 Resp: 552
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.4 38.2#



#5
 Bromomethane
 Concen: 5.40 ug/l
 RT: 2.674 min Scan# 140
 Delta R.T. 0.018 min
 Lab File: VY004822.D
 Acq: 18 May 2021 13:08

Tgt Ion: 94 Resp: 405
 Ion Ratio Lower Upper
 94 100
 96 52.1 72.6 109.0#





#10

Methyl Iodide

Concen: 2.56 ug/l

RT: 4.107 min Scan# 375

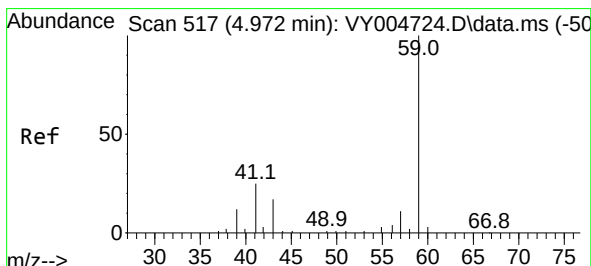
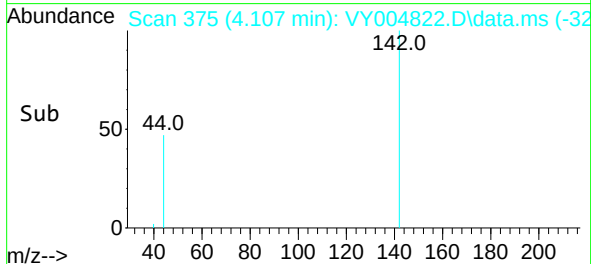
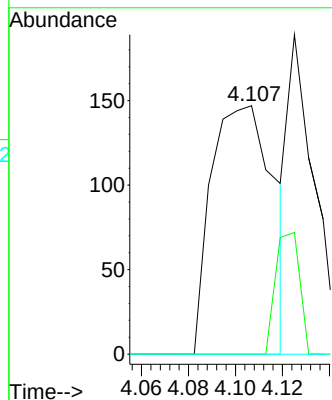
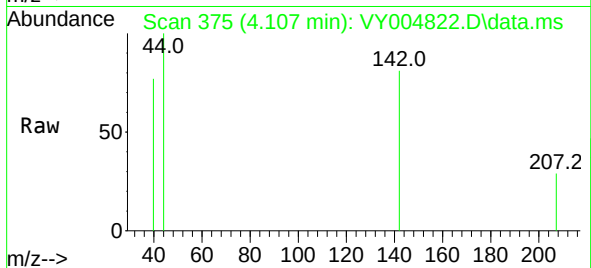
Delta R.T. 0.006 min

Lab File: VY004822.D

Acq: 18 May 2021 13:08

Tgt Ion:	142	Resp:	271
Ion	Ratio	Lower	Upper
142	100		
127	19.2	37.1	55.7#
141	0.0	11.9	17.9#

Instrument :
MSVOA_Y
ClientSampled :



#11

Tert butyl alcohol

Concen: 1.73 ug/l

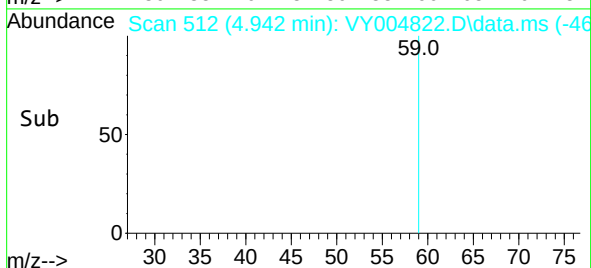
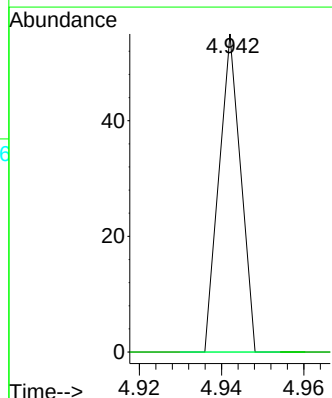
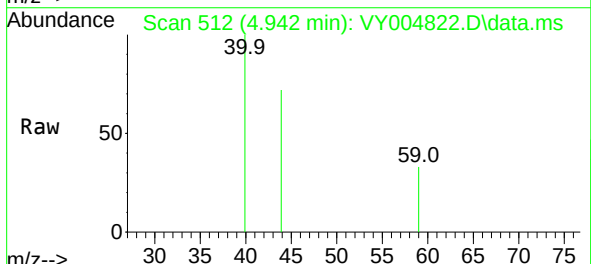
RT: 4.942 min Scan# 512

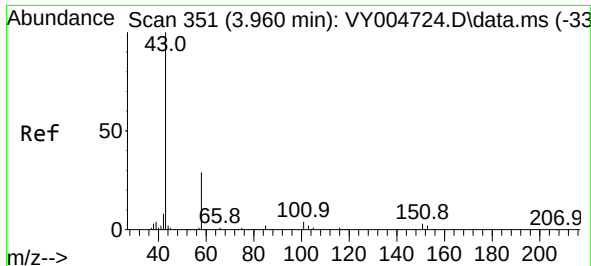
Delta R.T. -0.030 min

Lab File: VY004822.D

Acq: 18 May 2021 13:08

Tgt Ion:	59	Resp:	20
Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.7	13.1#

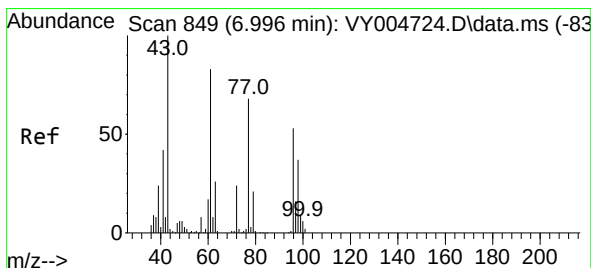
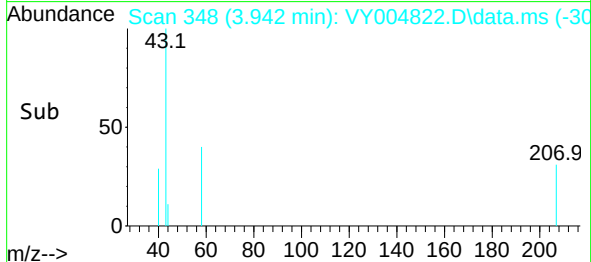
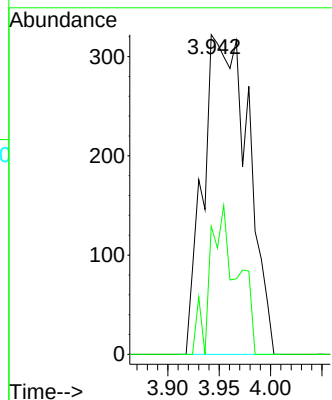
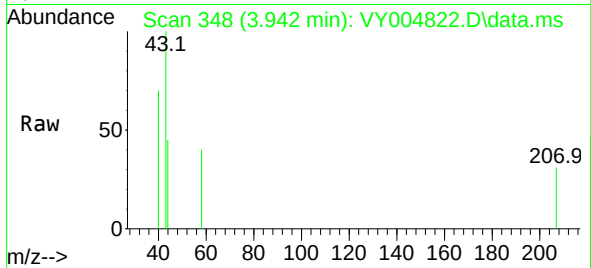




#16
Acetone
Concen: 37.87 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.018 min
Lab File: VY004822.D
Acq: 18 May 2021 13:08

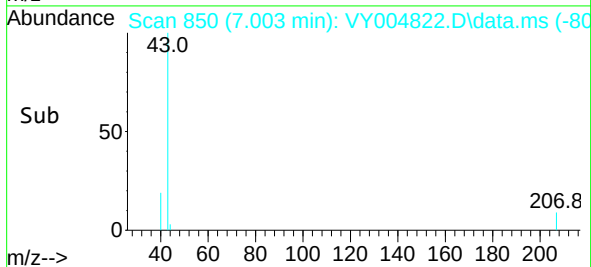
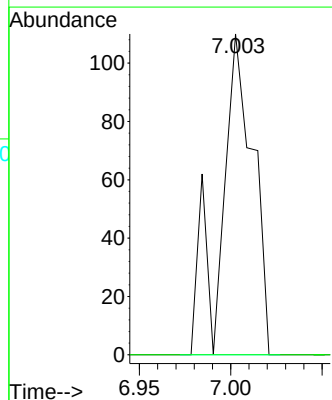
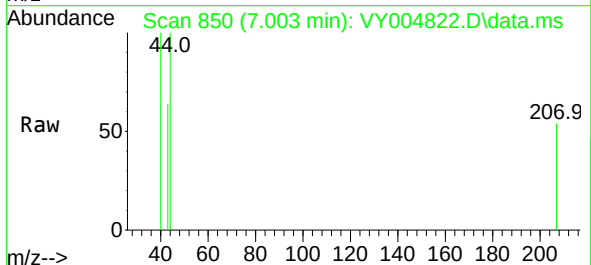
Instrument :
MSVOA_Y
ClientSampled :

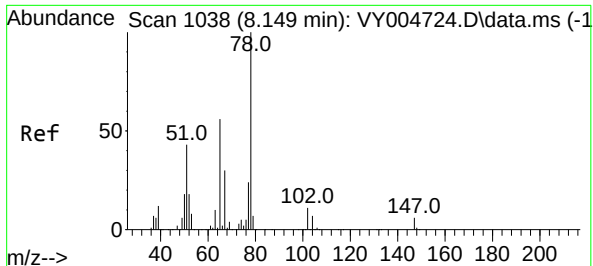
Tgt Ion: 43 Resp: 980
Ion Ratio Lower Upper
43 100
58 40.1 23.6 35.4#



#25
2-Butanone
Concen: 2.94 ug/l
RT: 7.003 min Scan# 850
Delta R.T. 0.006 min
Lab File: VY004822.D
Acq: 18 May 2021 13:08

Tgt Ion: 43 Resp: 135
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.0#

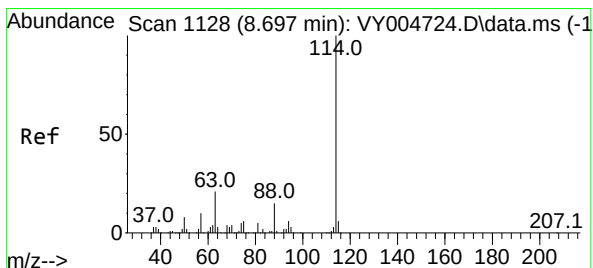
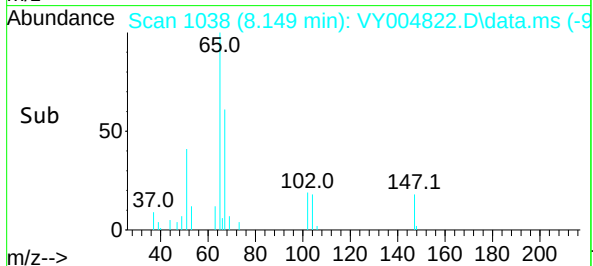
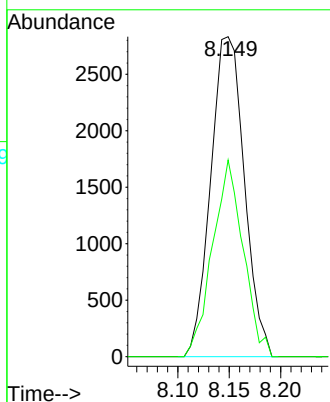
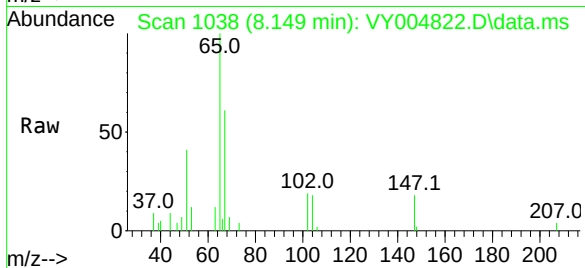




#33
1,2-Dichloroethane-d4
Concen: 56.02 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY004822.D
Acq: 18 May 2021 13:08

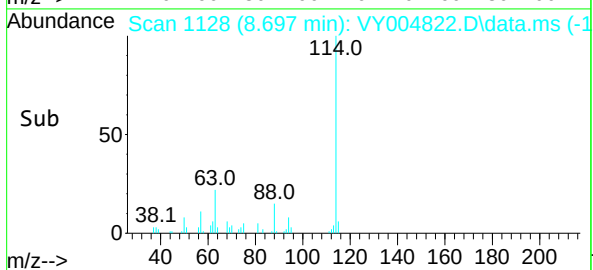
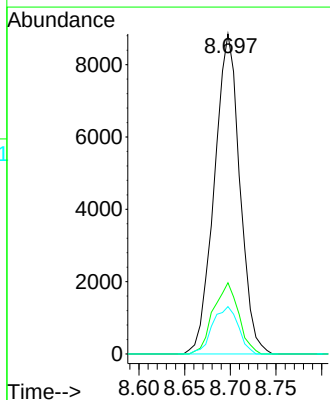
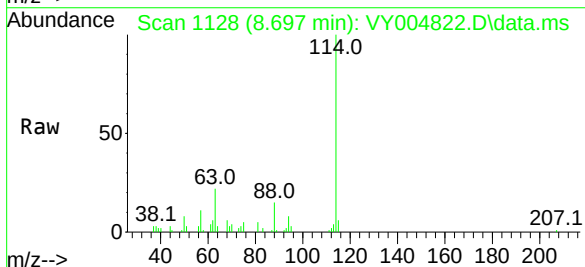
Instrument :
MSVOA_Y
ClientSampled :

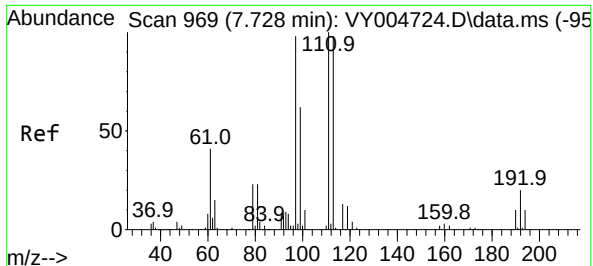
Tgt Ion: 65 Resp: 6454
Ion Ratio Lower Upper
65 100
67 56.0 0.0 108.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004822.D
Acq: 18 May 2021 13:08

Tgt Ion: 114 Resp: 17188
Ion Ratio Lower Upper
114 100
63 22.3 0.0 42.8
88 14.8 0.0 31.0

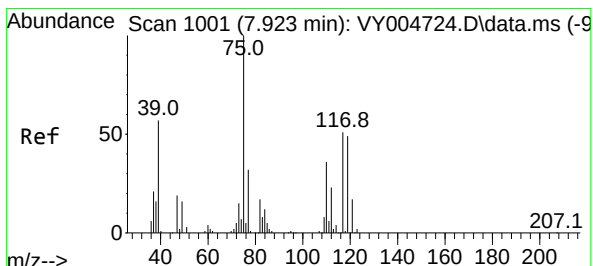
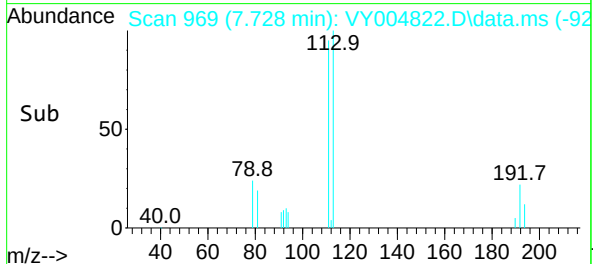
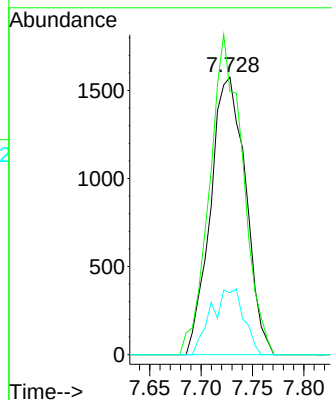
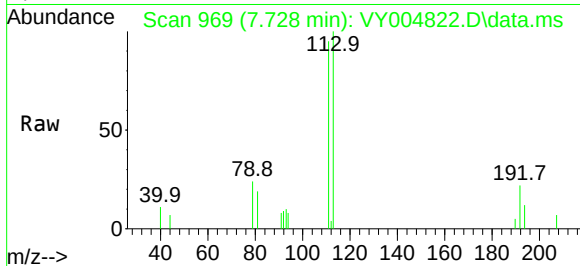




#35
Dibromofluoromethane
Concen: 39.78 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY004822.D
Acq: 18 May 2021 13:08

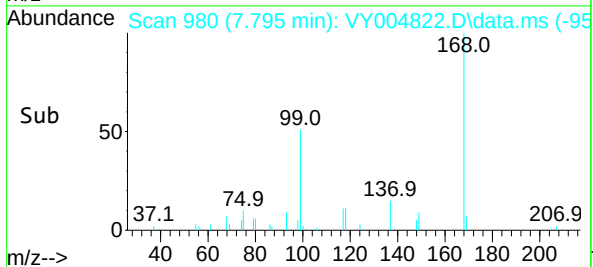
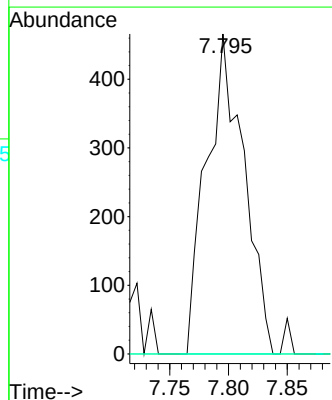
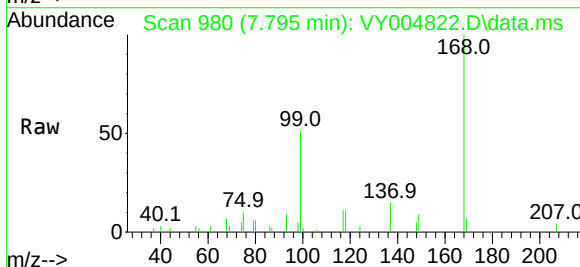
Instrument :
MSVOA_Y
ClientSampleId :

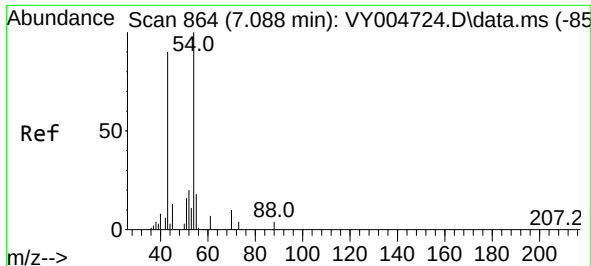
Tgt Ion:113 Resp: 3743
Ion Ratio Lower Upper
113 100
111 109.0 80.5 120.7
192 22.1 15.0 22.6



#36
1,1-Dichloropropene
Concen: 5.85 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY004822.D
Acq: 18 May 2021 13:08

Tgt Ion: 75 Resp: 1030
Ion Ratio Lower Upper
75 100
110 0.0 17.0 50.9#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

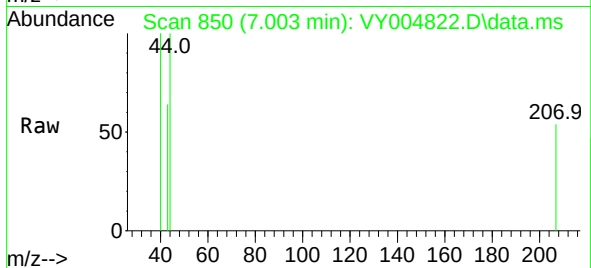
Concen: 1.12 ug/l

RT: 7.003 min Scan# 850

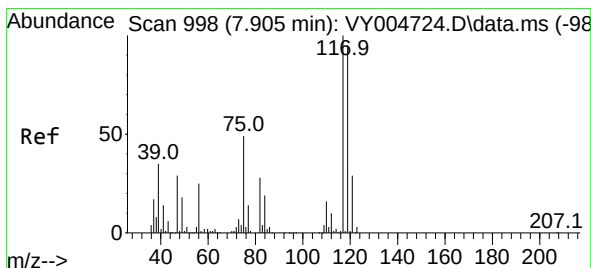
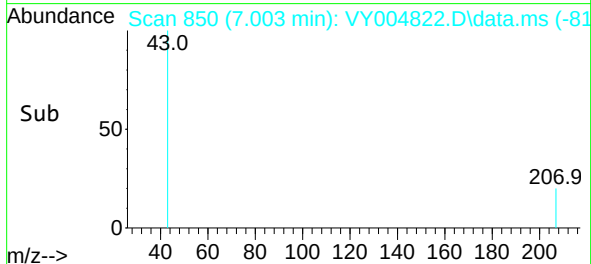
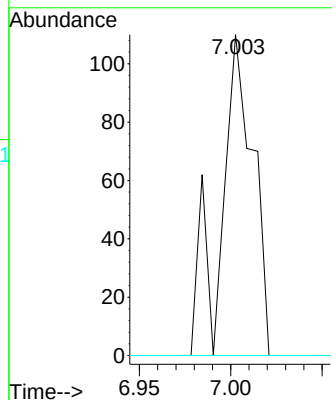
Delta R.T. -0.085 min

Lab File: VY004822.D

Acq: 18 May 2021 13:08



Tgt Ion:	43	Resp:	135
Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.9	14.9#
70	0.0	6.7	10.1#



#38

Carbon Tetrachloride

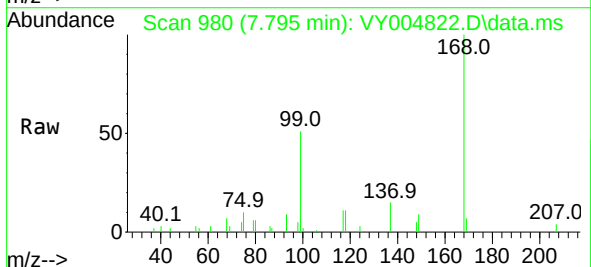
Concen: 7.48 ug/l

RT: 7.795 min Scan# 980

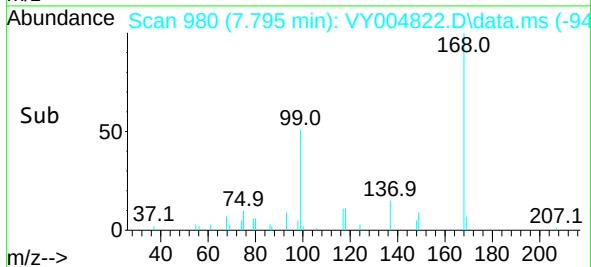
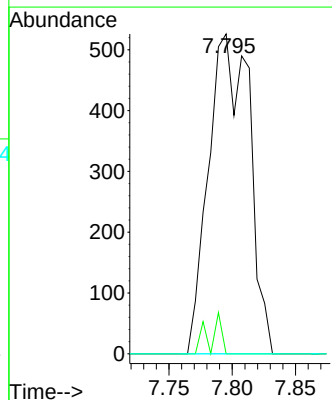
Delta R.T. -0.110 min

Lab File: VY004822.D

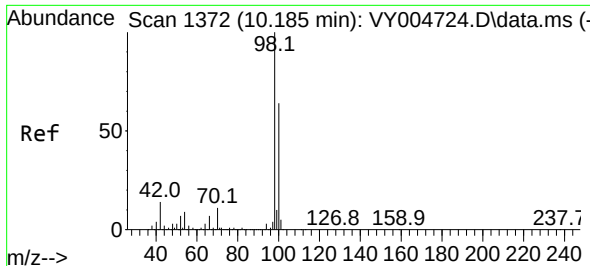
Acq: 18 May 2021 13:08



Tgt Ion:	117	Resp:	1185
Ion	Ratio	Lower	Upper
117	100		
119	0.0	76.3	114.5#
121	0.0	23.0	34.6#



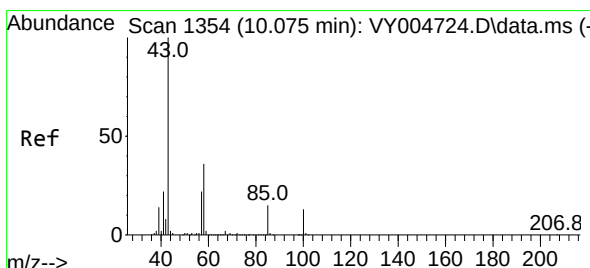
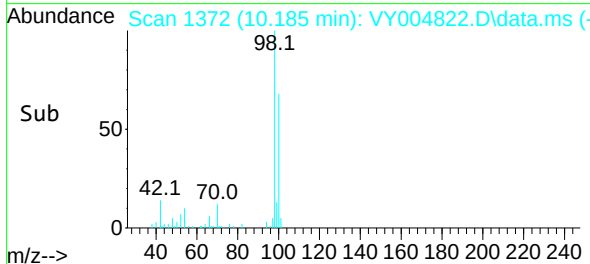
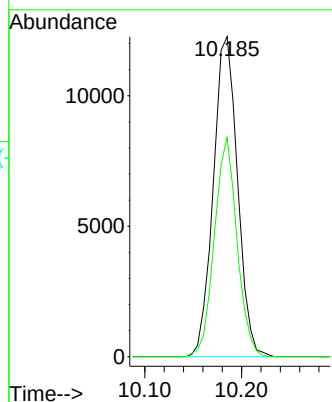
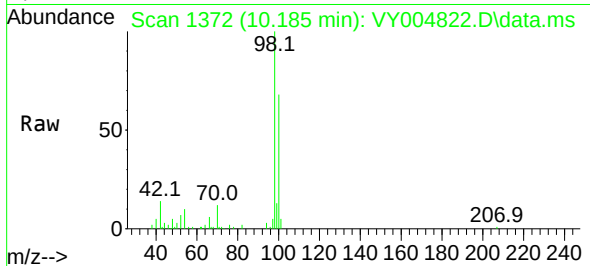
Instrument :
MSVOA_Y
ClientSampleId :



#50
Toluene-d8
Concen: 50.19 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY004822.D
Acq: 18 May 2021 13:08

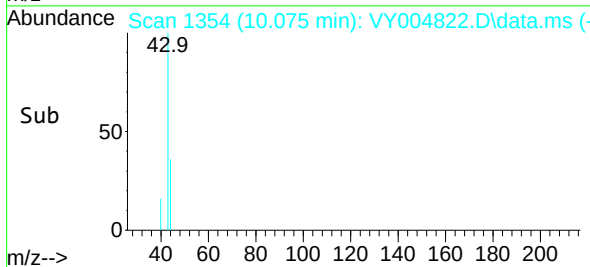
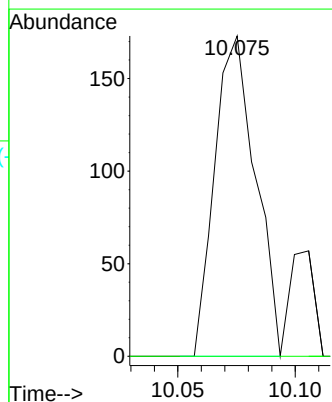
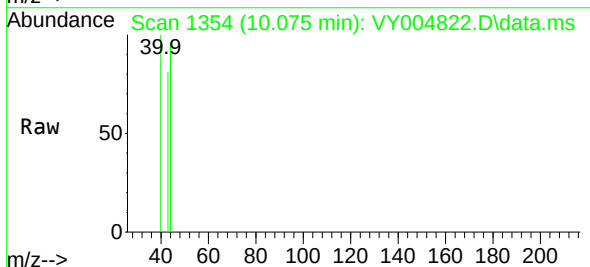
Instrument :
MSVOA_Y
ClientSampled :

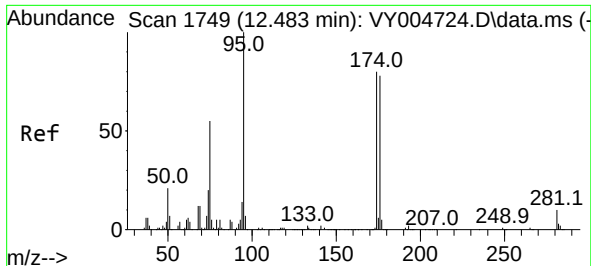
Tgt Ion: 98 Resp: 21333
Ion Ratio Lower Upper
98 100
100 63.9 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 1.73 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. 0.000 min
Lab File: VY004822.D
Acq: 18 May 2021 13:08

Tgt Ion: 43 Resp: 209
Ion Ratio Lower Upper
43 100
58 0.0 28.7 43.1#

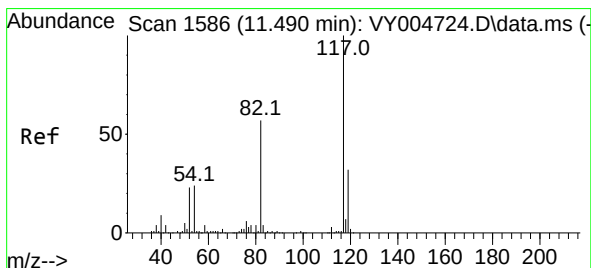
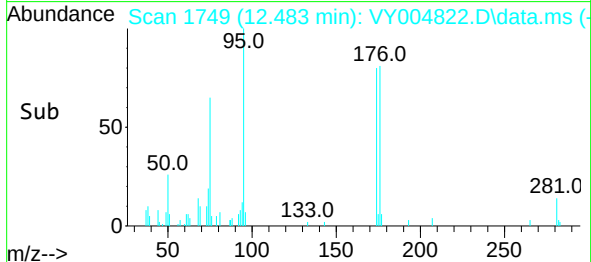
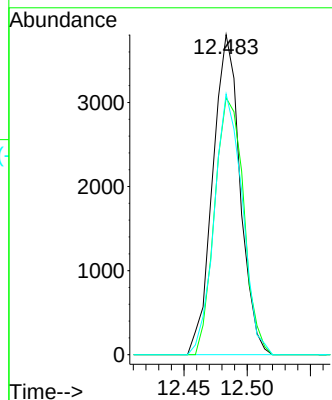
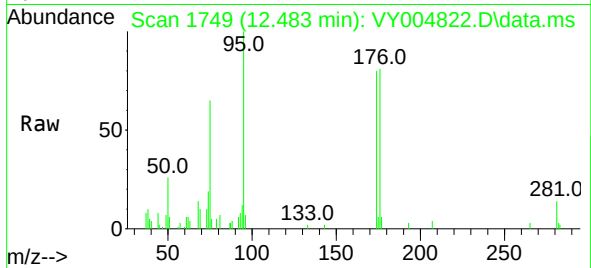




#62
4-Bromofluorobenzene
Concen: 39.87 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004822.D
Acq: 18 May 2021 13:08

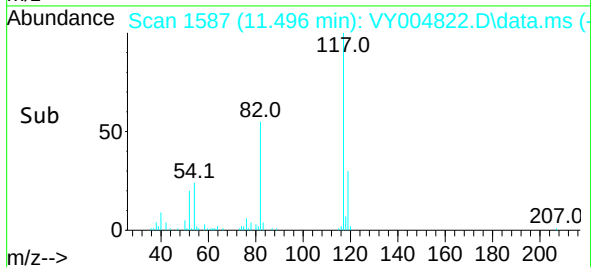
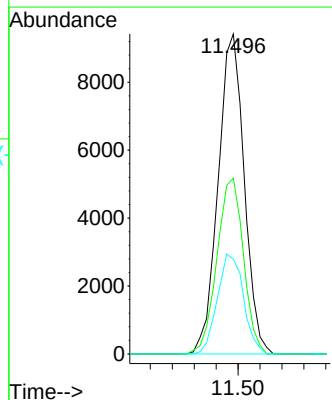
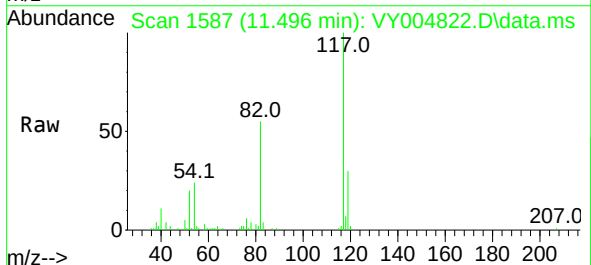
Instrument :
MSVOA_Y
ClientSampled :

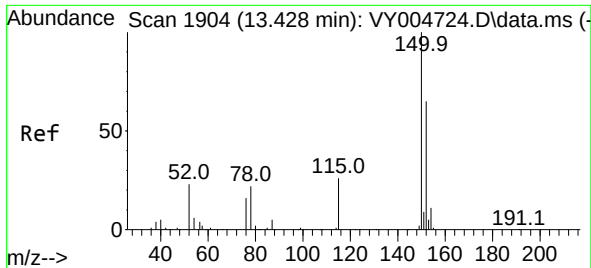
Tgt Ion: 95 Resp: 5720
Ion Ratio Lower Upper
95 100
174 84.8 0.0 164.2
176 83.5 0.0 159.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY004822.D
Acq: 18 May 2021 13:08

Tgt Ion: 117 Resp: 15558
Ion Ratio Lower Upper
117 100
82 54.9 45.4 68.2
119 29.6 25.8 38.6

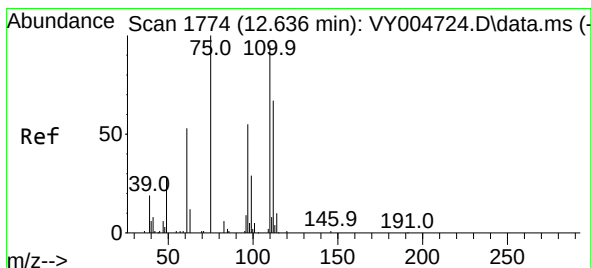
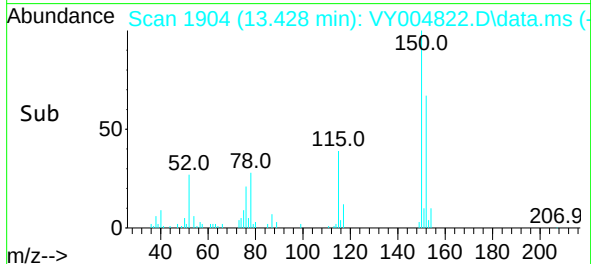
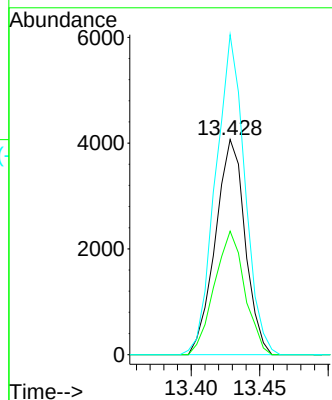
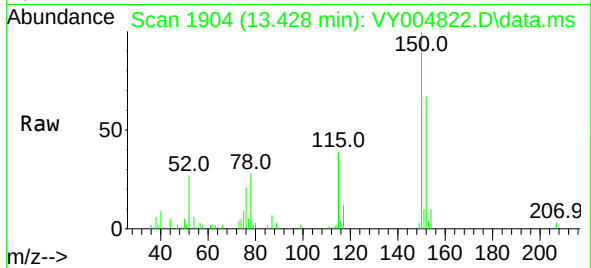




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY004822.D
 Acq: 18 May 2021 13:08

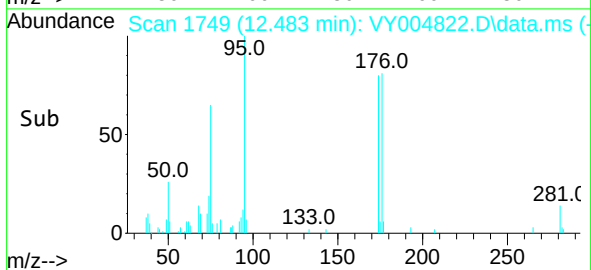
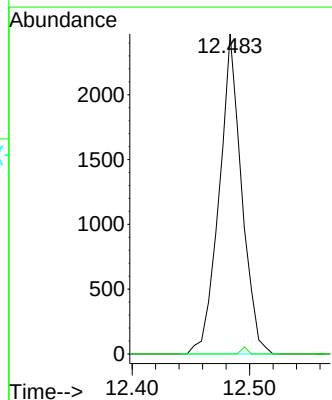
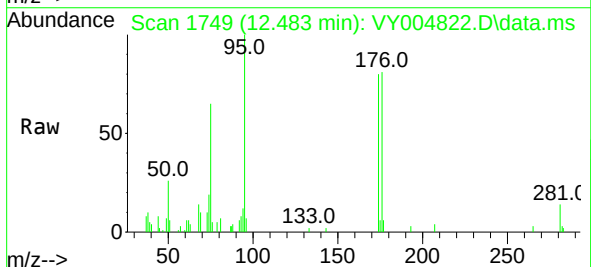
Instrument :
 MSVOA_Y
 ClientSampleId :

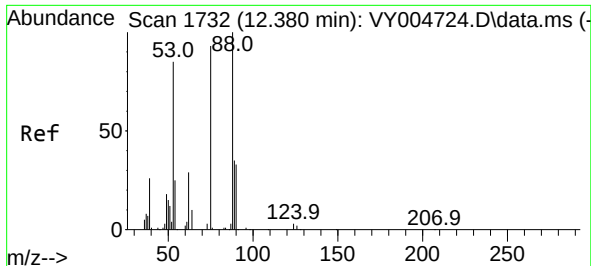
Tgt Ion:152 Resp: 6140
 Ion Ratio Lower Upper
 152 100
 115 58.5 29.4 88.3
 150 146.0 0.0 349.8



#76
 1,2,3-Trichloropropane
 Concen: 50.22 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY004822.D
 Acq: 18 May 2021 13:08

Tgt Ion: 75 Resp: 3275
 Ion Ratio Lower Upper
 75 100
 77 0.6 0.0 0.0#

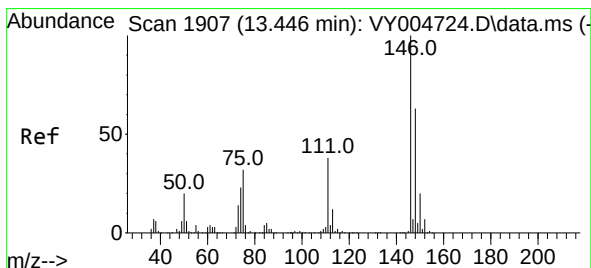
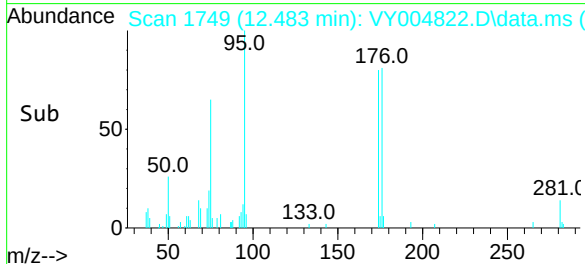
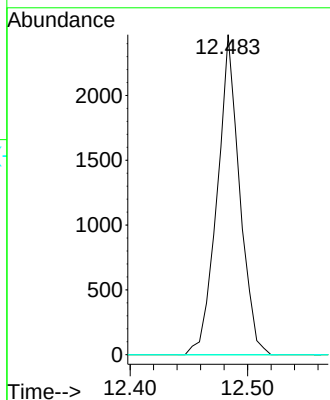
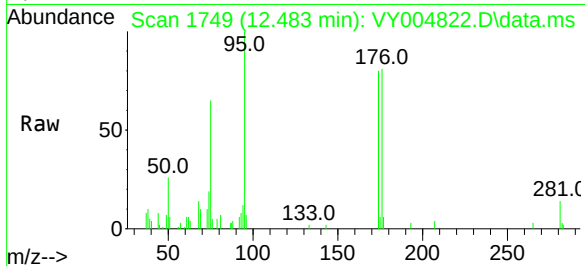




#81
trans-1,4-Dichloro-2-butene
Concen: 87.07 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY004822.D
Acq: 18 May 2021 13:08

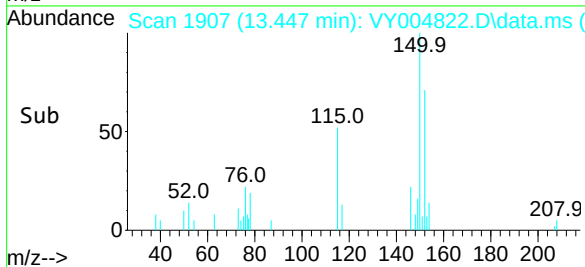
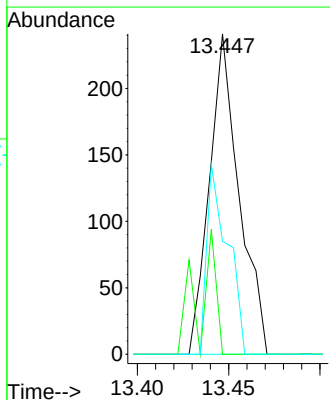
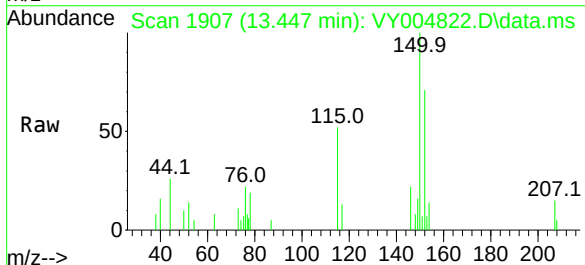
Instrument :
MSVOA_Y
ClientSampleId :

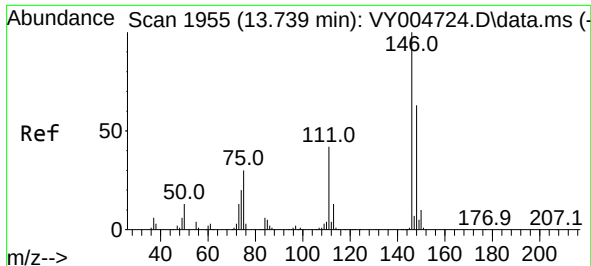
Tgt Ion: 75 Resp: 3275
Ion Ratio Lower Upper
75 100
53 0.0 73.9 110.9#
89 0.0 35.5 53.3#



#88
1,4-Dichlorobenzene
Concen: 1.35 ug/l
RT: 13.447 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY004822.D
Acq: 18 May 2021 13:08

Tgt Ion: 146 Resp: 273
Ion Ratio Lower Upper
146 100
111 9.5 19.6 58.8#
148 41.4 31.9 95.5

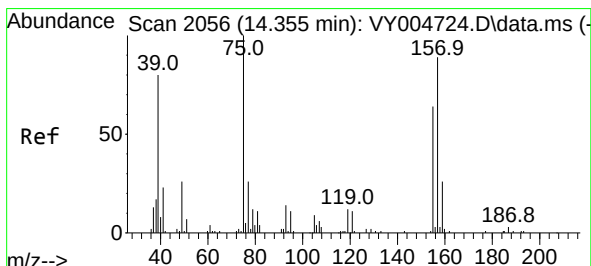
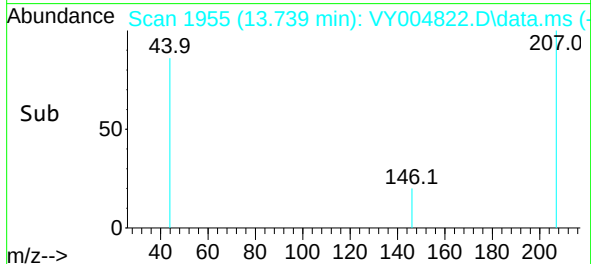
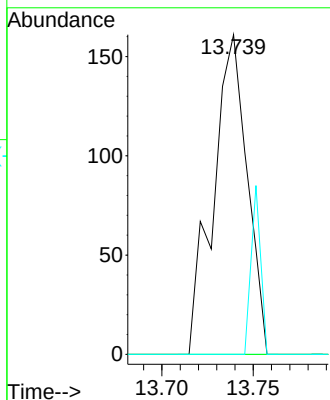
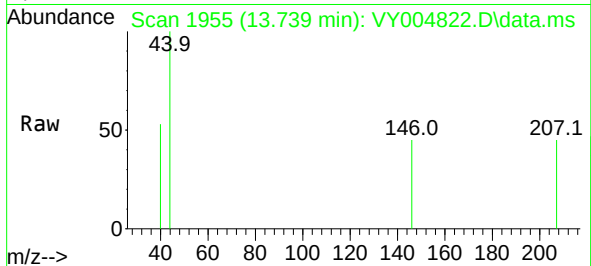




#91
1,2-Dichlorobenzene
Concen: 1.15 ug/l
RT: 13.739 min Scan# 1955
Delta R.T. 0.000 min
Lab File: VY004822.D
Acq: 18 May 2021 13:08

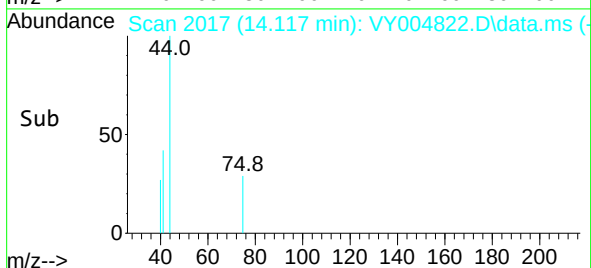
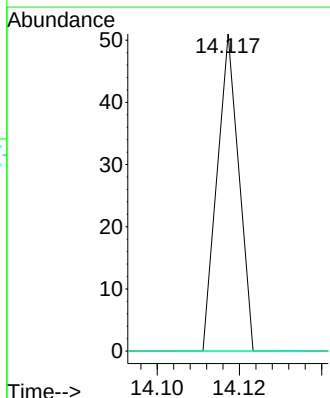
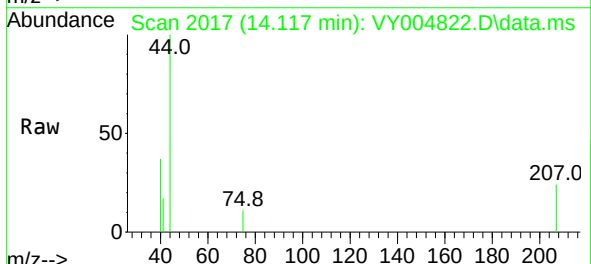
Instrument :
MSVOA_Y
ClientSampled :

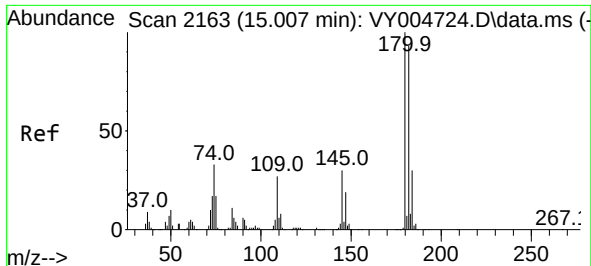
Tgt Ion:146 Resp: 209
Ion Ratio Lower Upper
146 100
111 0.0 20.9 62.7#
148 14.8 31.8 95.3#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.10 ug/l
RT: 14.117 min Scan# 2017
Delta R.T. -0.238 min
Lab File: VY004822.D
Acq: 18 May 2021 13:08

Tgt Ion: 75 Resp: 19
Ion Ratio Lower Upper
75 100
155 0.0 39.0 117.0#
157 0.0 50.2 150.7#

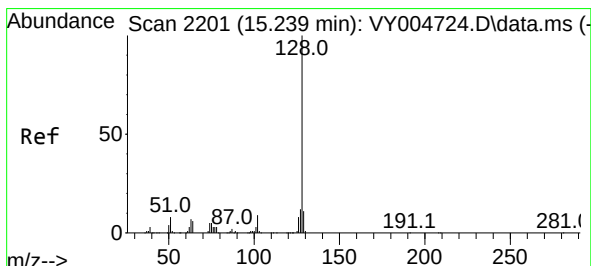
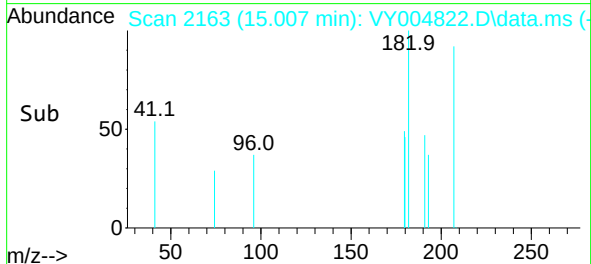
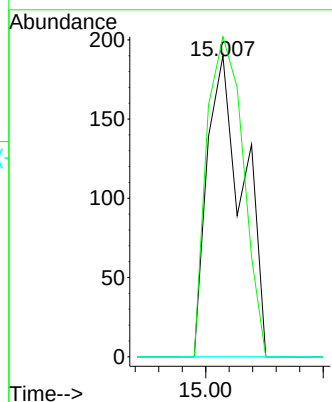
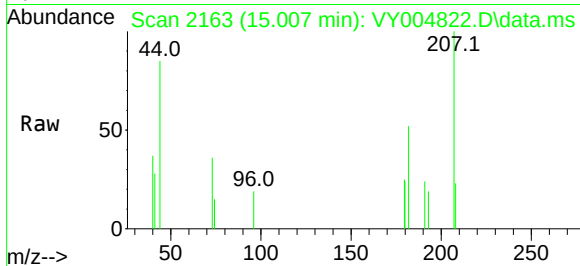




#93
1,2,4-Trichlorobenzene
Concen: 1.73 ug/l
RT: 15.007 min Scan# 2163
Delta R.T. 0.000 min
Lab File: VY004822.D
Acq: 18 May 2021 13:08

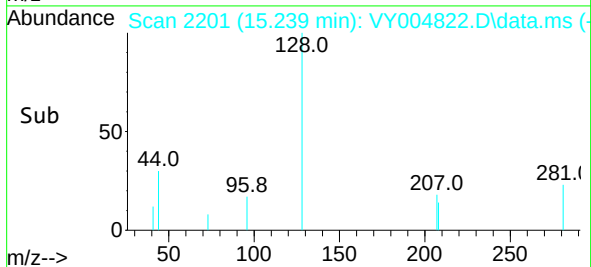
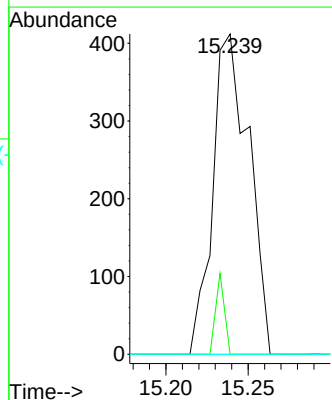
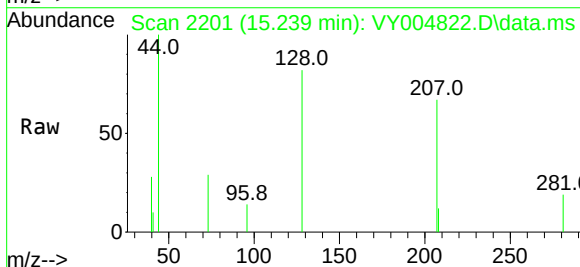
Instrument :
MSVOA_Y
ClientSampleId :

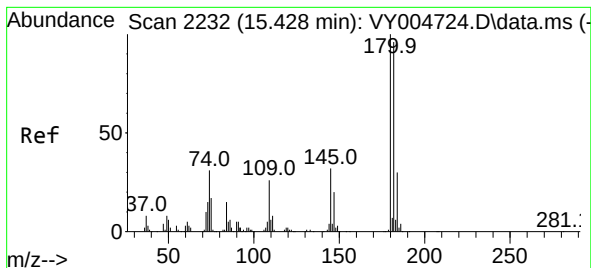
Tgt Ion:	180	Resp:	202
Ion	Ratio	Lower	Upper
180	100		
182	107.4	46.9	140.8
145	0.0	15.4	46.4#



#95
Naphthalene
Concen: 2.49 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY004822.D
Acq: 18 May 2021 13:08

Tgt Ion:	128	Resp:	629
Ion	Ratio	Lower	Upper
128	100		
127	6.0	10.2	15.2#
129	0.0	8.6	13.0#





#96

1,2,3-Trichlorobenzene

Concen: 2.36 ug/l

RT: 15.434 min Scan# 2233

Delta R.T. 0.006 min

Lab File: VY004822.D

Acq: 18 May 2021 13:08

Tgt Ion:180 Resp: 244

Ion Ratio Lower Upper

180 100

182 70.5 47.9 143.7

145 19.7 16.3 48.8

