

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102821\
 Data File : VY006521.D
 Acq On : 28 Oct 2021 17:21
 Operator : SY/MD
 Sample : M4373-03
 Misc : 5.04G/5ML/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 29 07:05:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102221S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 23 06:59:04 2021
 Response via : Initial Calibration

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

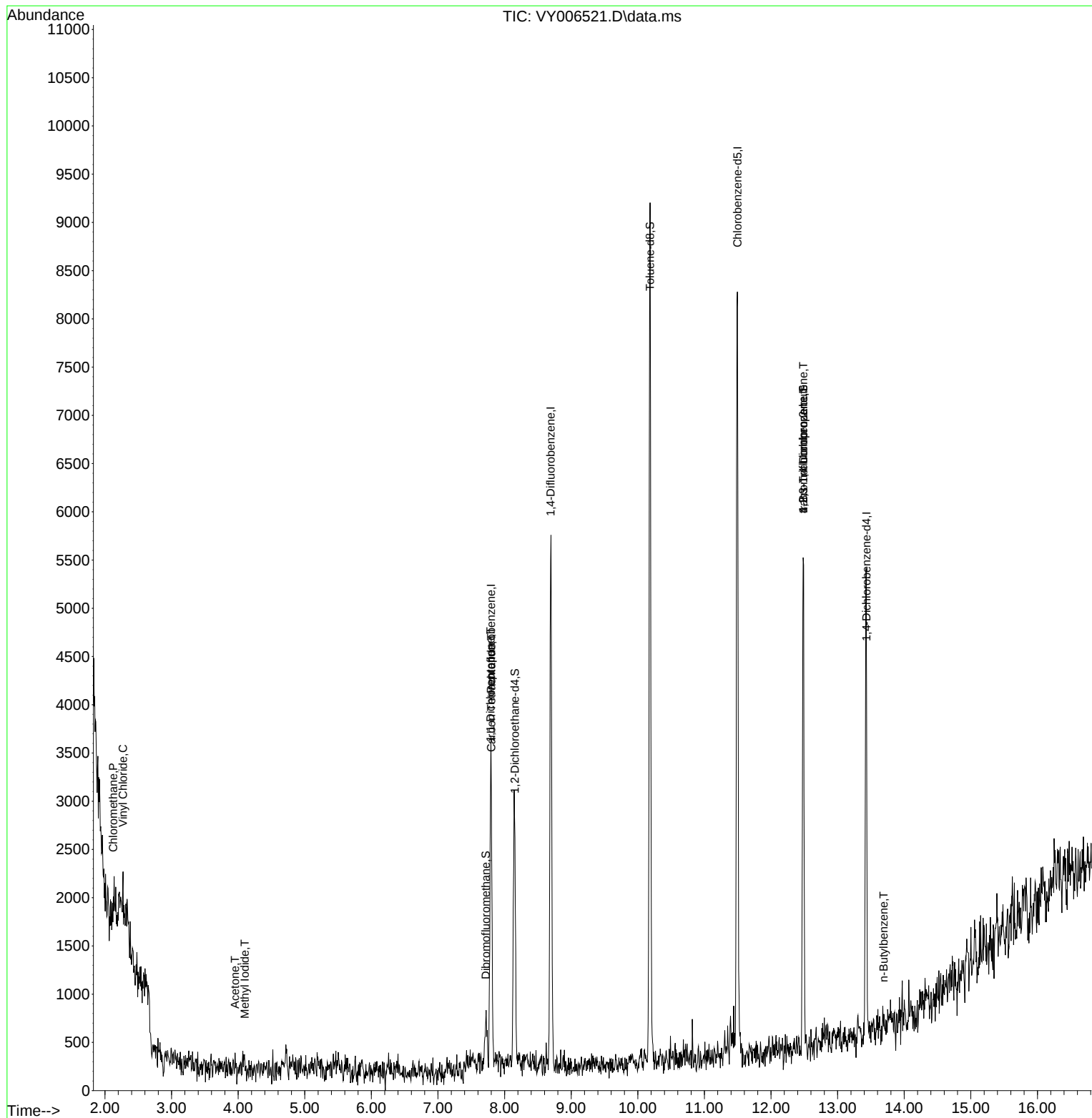
Internal Standards						
1) Pentafluorobenzene	7.795	168	2725	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	4551	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	4437	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	1215	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	2356	70.259	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 140.520%	
35) Dibromofluoromethane	7.716	113	372	14.665	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 29.340%#	
50) Toluene-d8	10.185	98	5789	53.836	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.680%	
62) 4-Bromofluorobenzene	12.483	95	1656	45.717	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 91.440%	
Target Compounds						Qvalue
3) Chloromethane	2.125	50	115	3.382	ug/l #	43
4) Vinyl Chloride	2.272	62	147	3.871	ug/l #	44
10) Methyl Iodide	4.101	142	19	5.696	ug/l #	36
16) Acetone	3.954	43	53	5.489	ug/l #	46
20) Methylene Chloride	4.716	84	41	Below Cal	#	44
36) 1,1-Dichloropropene	7.789	75	257	5.715	ug/l #	42
38) Carbon Tetrachloride	7.801	117	245	4.939	ug/l #	12
76) 1,2,3-Trichloropropane	12.483	75	973	77.714	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	973	159.544	ug/l #	7
89) n-Butylbenzene	13.690	91	102	1.384	ug/l #	33

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

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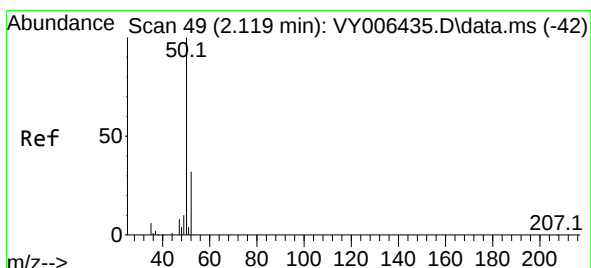
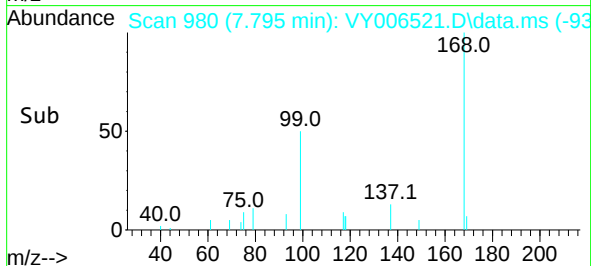
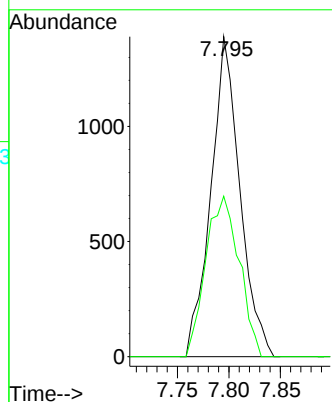
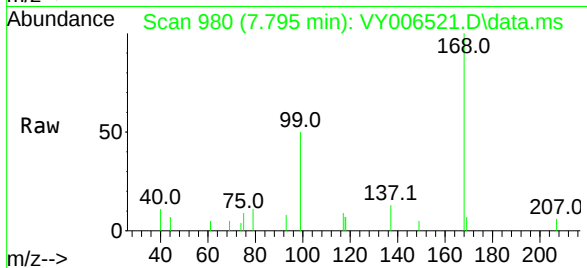




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.000 min
Lab File: VY006521.D
Acq: 28 Oct 2021 17:21

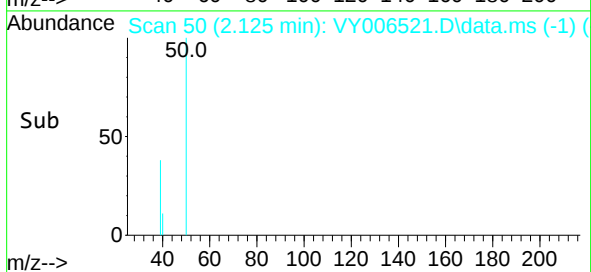
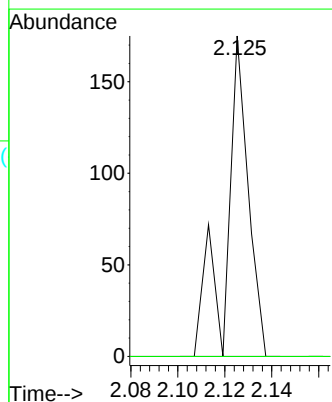
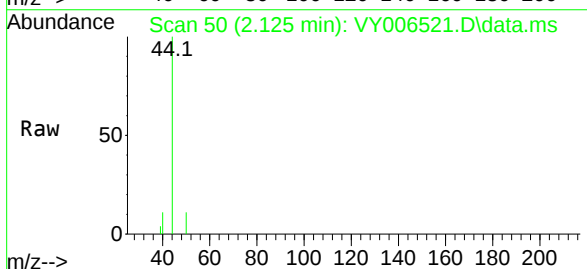
Instrument :
MSVOA_Y
ClientSampleId :

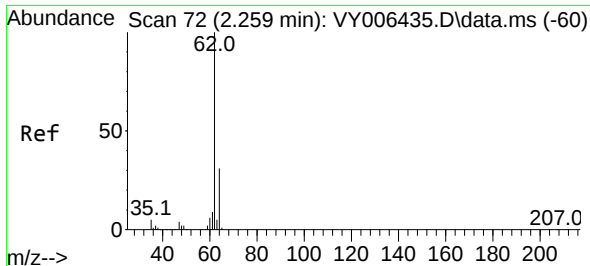
Tgt Ion:168 Resp: 2725
Ion Ratio Lower Upper
168 100
99 50.1 44.8 67.2



#3
Chloromethane
Concen: 3.382 ug/l
RT: 2.125 min Scan# 50
Delta R.T. 0.006 min
Lab File: VY006521.D
Acq: 28 Oct 2021 17:21

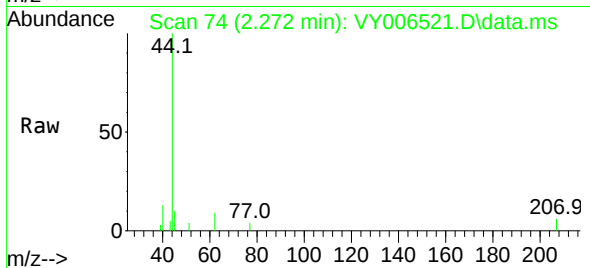
Tgt Ion: 50 Resp: 115
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#



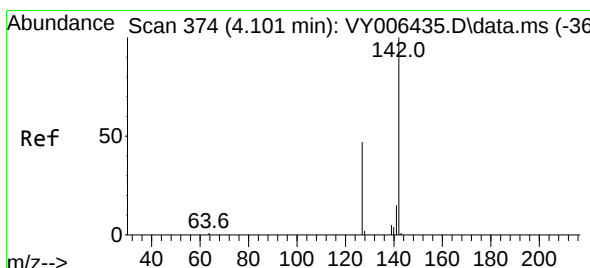
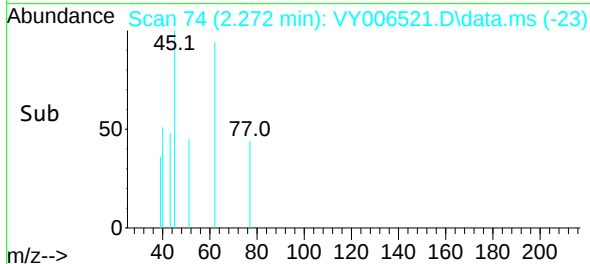
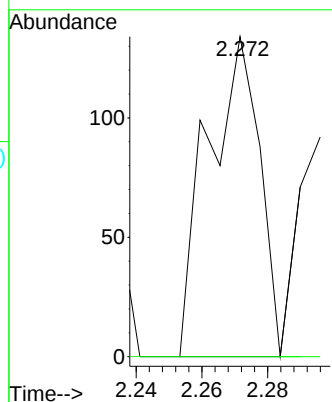


#4
 Vinyl Chloride
 Concen: 3.871 ug/l
 RT: 2.272 min Scan# 74
 Delta R.T. 0.012 min
 Lab File: VY006521.D
 Acq: 28 Oct 2021 17:21

Instrument :
 MSVOA_Y
 ClientSampled :

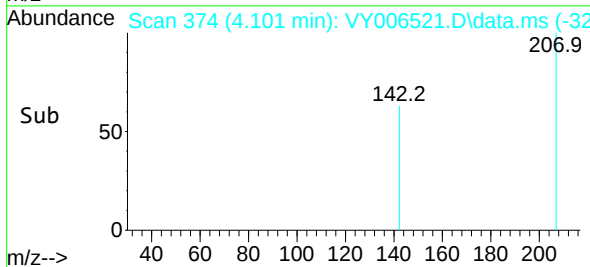
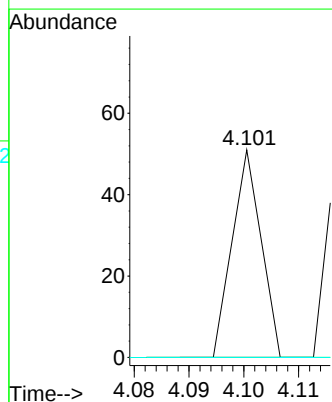
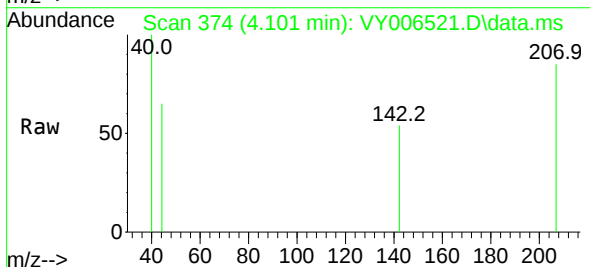


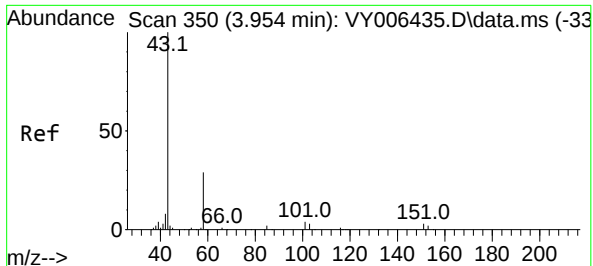
Tgt Ion: 62 Resp: 147
 Ion Ratio Lower Upper
 62 100
 64 0.0 24.7 37.1#



#10
 Methyl Iodide
 Concen: 5.696 ug/l
 RT: 4.101 min Scan# 374
 Delta R.T. -0.000 min
 Lab File: VY006521.D
 Acq: 28 Oct 2021 17:21

Tgt Ion: 142 Resp: 19
 Ion Ratio Lower Upper
 142 100
 127 0.0 40.1 60.1#
 141 0.0 12.5 18.7#

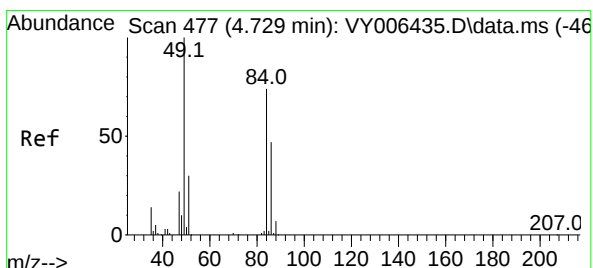
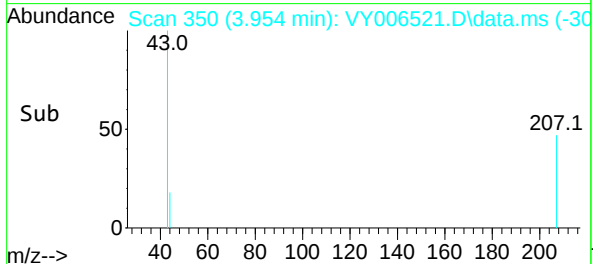
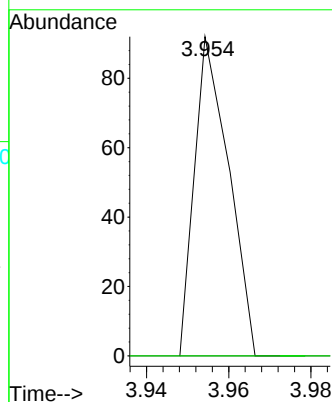
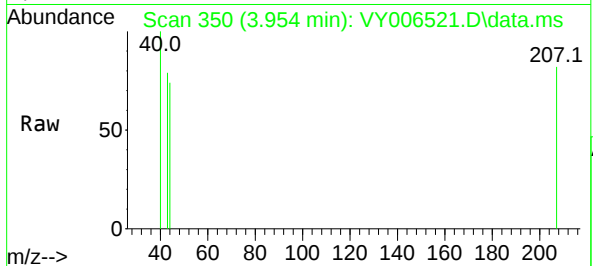




#16
Acetone
Concen: 5.489 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.000 min
Lab File: VY006521.D
Acq: 28 Oct 2021 17:21

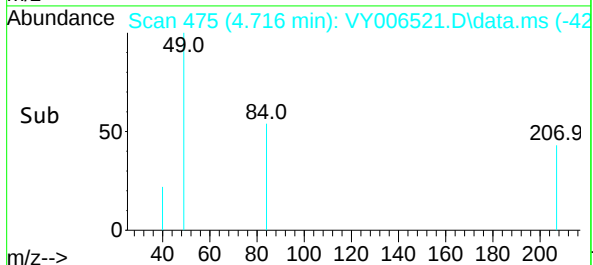
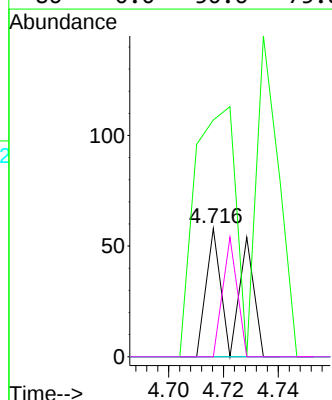
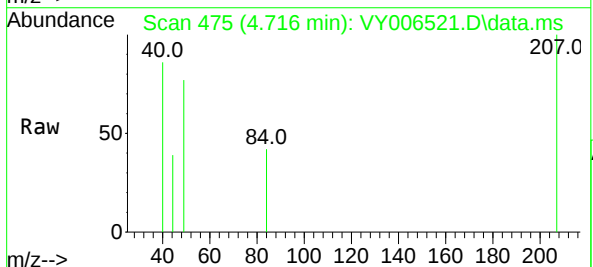
Instrument :
MSVOA_Y
ClientSampleId :

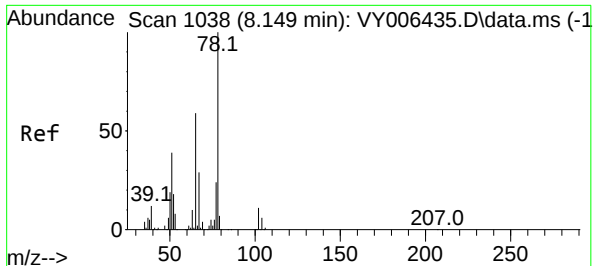
Tgt Ion: 43 Resp: 53
Ion Ratio Lower Upper
43 100
58 0.0 22.9 34.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. -0.013 min
Lab File: VY006521.D
Acq: 28 Oct 2021 17:21

Tgt Ion: 84 Resp: 41
Ion Ratio Lower Upper
84 100
49 184.5 107.8 161.8#
51 0.0 32.8 49.2#
86 0.0 50.6 75.8#

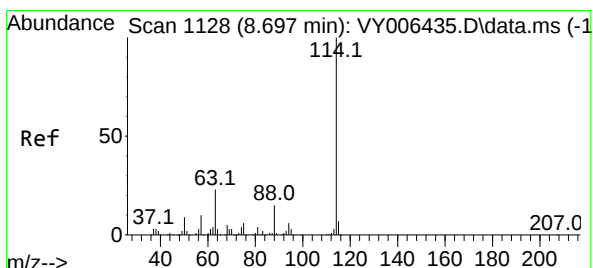
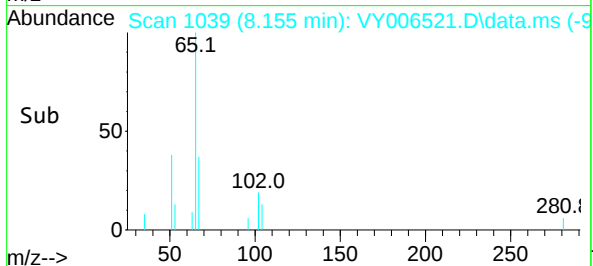
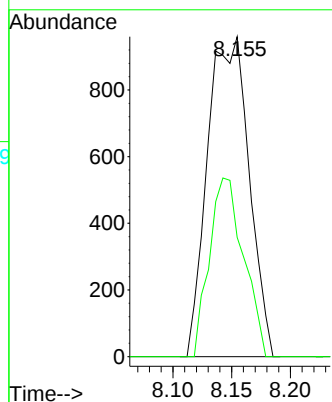
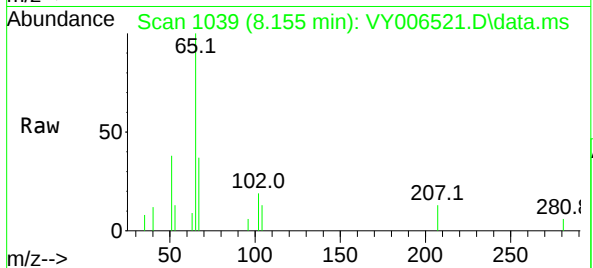




#33
1,2-Dichloroethane-d4
Concen: 70.259 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY006521.D
Acq: 28 Oct 2021 17:21

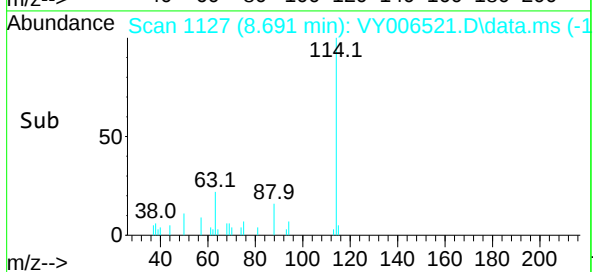
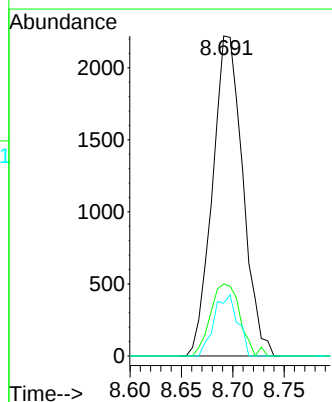
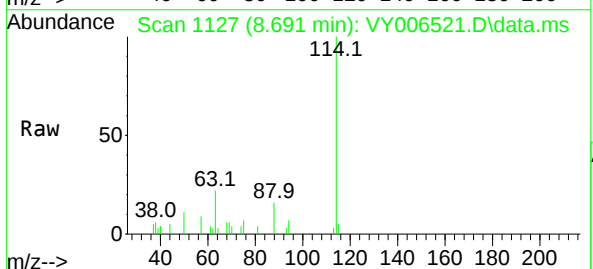
Instrument :
MSVOA_Y
ClientSampled :

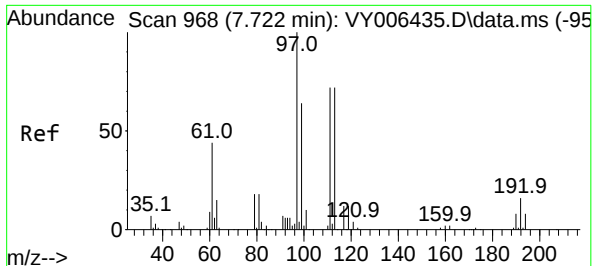
Tgt Ion: 65 Resp: 2356
Ion Ratio Lower Upper
65 100
67 46.1 0.0 98.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VY006521.D
Acq: 28 Oct 2021 17:21

Tgt Ion: 114 Resp: 4551
Ion Ratio Lower Upper
114 100
63 22.5 0.0 45.0
88 16.4 0.0 30.6

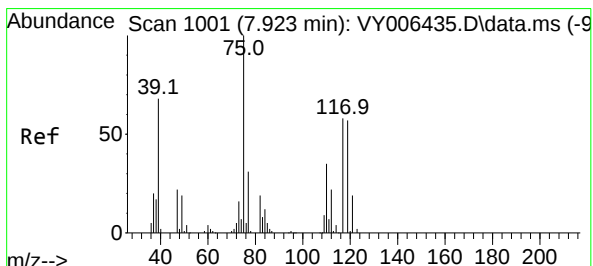
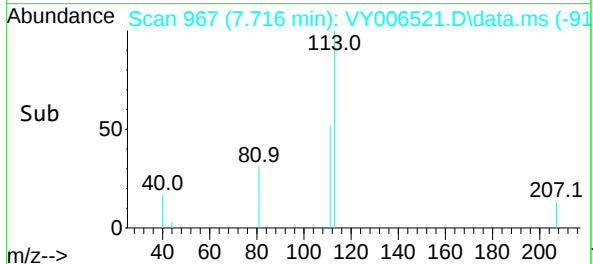
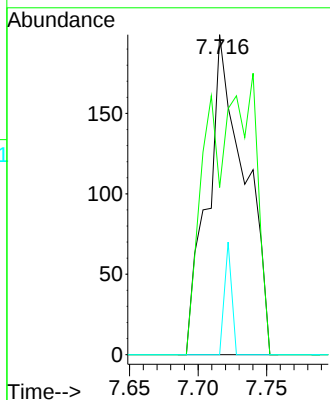
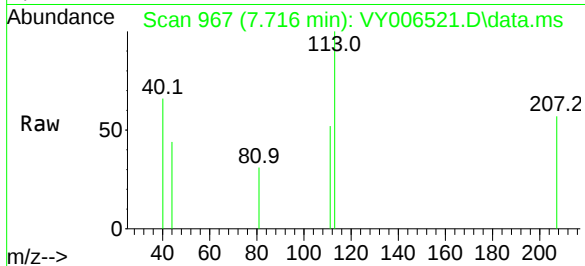




#35
Dibromofluoromethane
Concen: 14.665 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.006 min
Lab File: VY006521.D
Acq: 28 Oct 2021 17:21

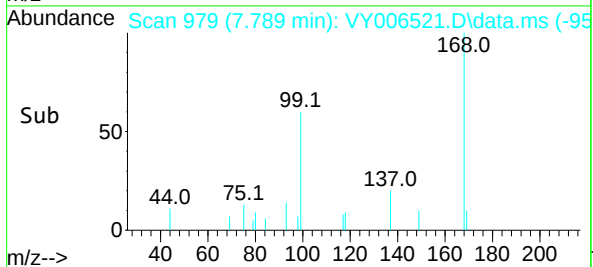
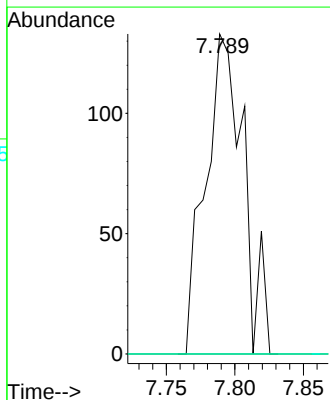
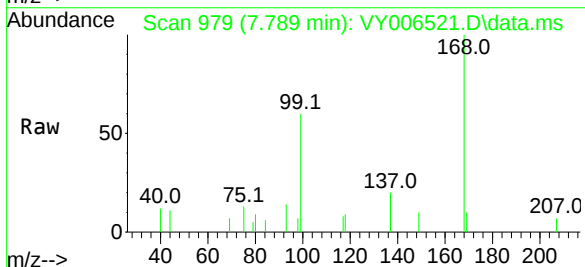
Instrument :
MSVOA_Y
ClientSampleId :

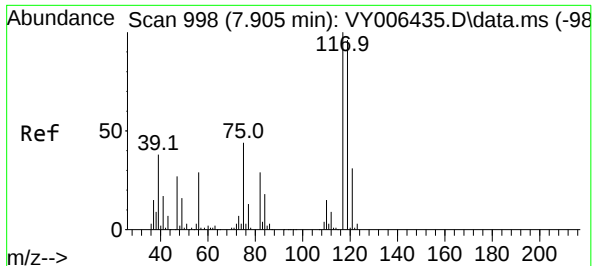
Tgt Ion:113 Resp: 372
Ion Ratio Lower Upper
113 100
111 44.4 82.3 123.5#
192 7.0 17.4 26.2#



#36
1,1-Dichloropropene
Concen: 5.715 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY006521.D
Acq: 28 Oct 2021 17:21

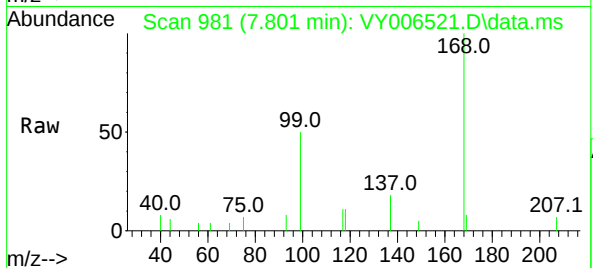
Tgt Ion: 75 Resp: 257
Ion Ratio Lower Upper
75 100
110 0.0 17.1 51.3#
77 0.0 24.9 37.3#



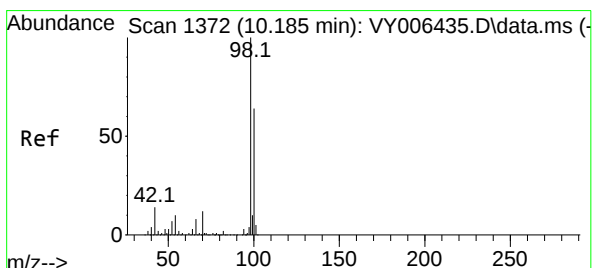
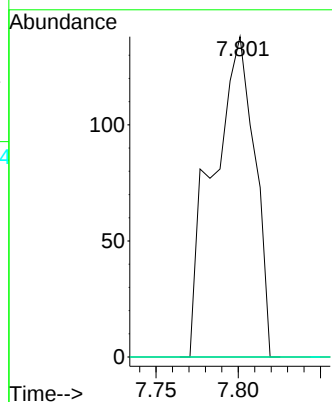
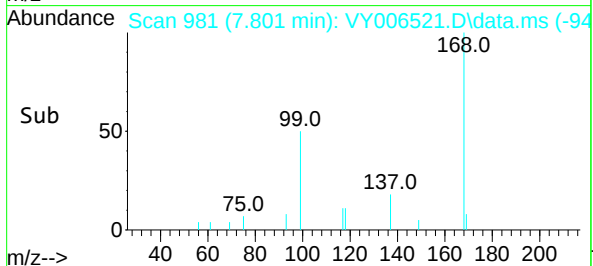


#38
Carbon Tetrachloride
Concen: 4.939 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.104 min
Lab File: VY006521.D
Acq: 28 Oct 2021 17:21

Instrument :
MSVOA_Y
ClientSampleId :

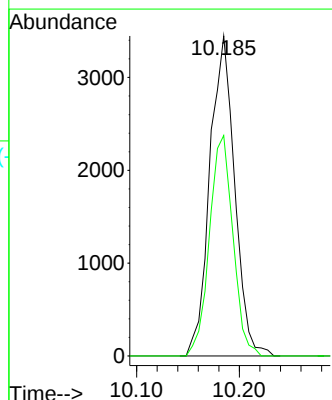
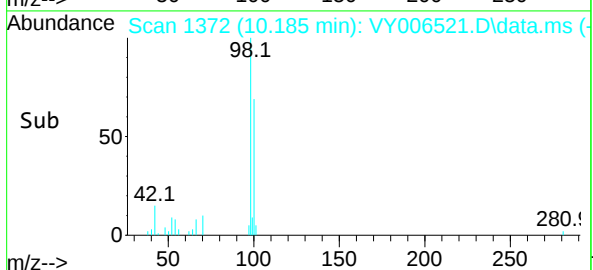
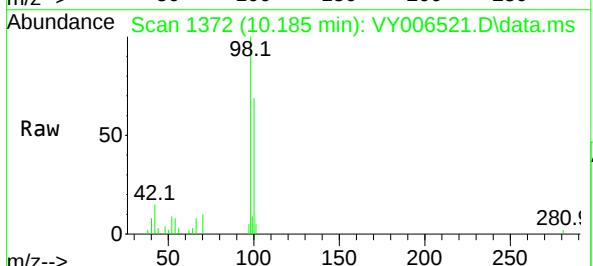


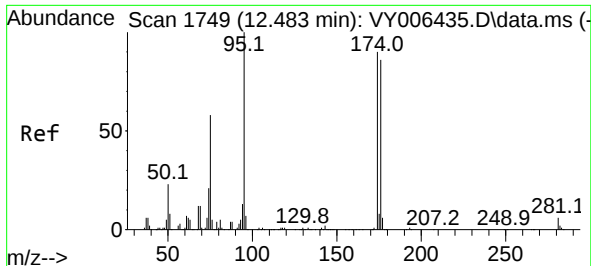
Tgt Ion:117 Resp: 245
Ion Ratio Lower Upper
117 100
119 0.0 76.6 115.0#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 53.836 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY006521.D
Acq: 28 Oct 2021 17:21

Tgt Ion: 98 Resp: 5789
Ion Ratio Lower Upper
98 100
100 65.0 50.9 76.3

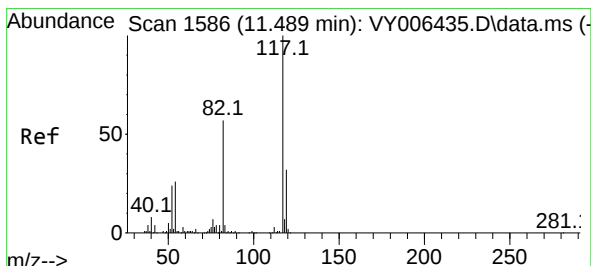
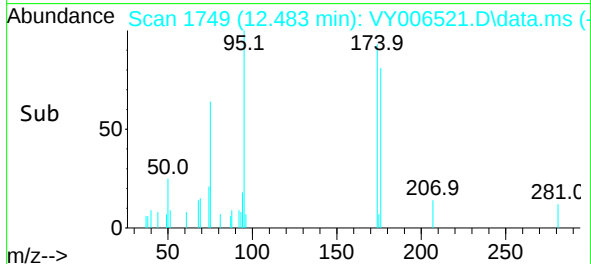
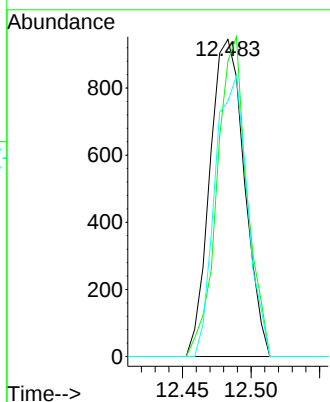
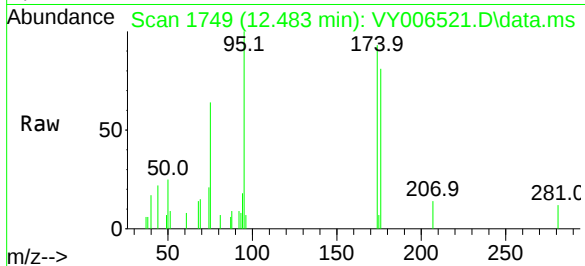




#62
4-Bromofluorobenzene
Concen: 45.717 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY006521.D
Acq: 28 Oct 2021 17:21

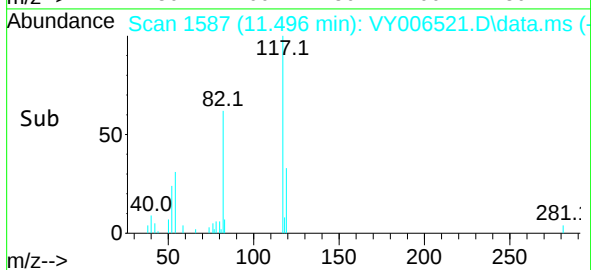
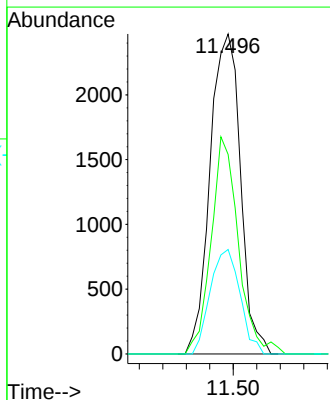
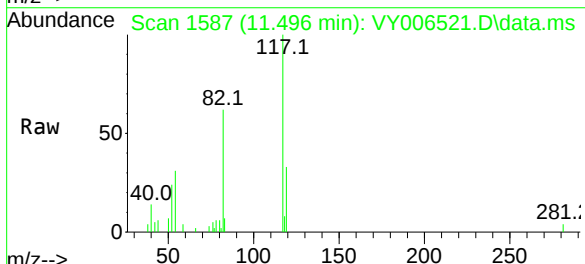
Instrument :
MSVOA_Y
ClientSampleId :

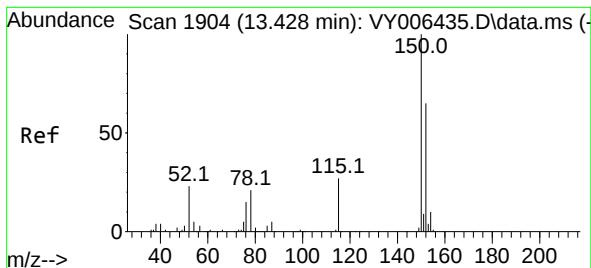
Tgt Ion: 95	Resp: 1656
Ion Ratio	Lower Upper
95 100	
174 87.0	0.0 177.0
176 83.0	0.0 169.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY006521.D
Acq: 28 Oct 2021 17:21

Tgt Ion: 117	Resp: 4437
Ion Ratio	Lower Upper
117 100	
82 62.3	45.7 68.5
119 32.7	25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.006 min

Lab File: VY006521.D

Acq: 28 Oct 2021 17:21

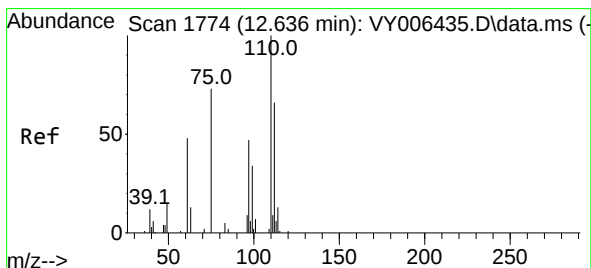
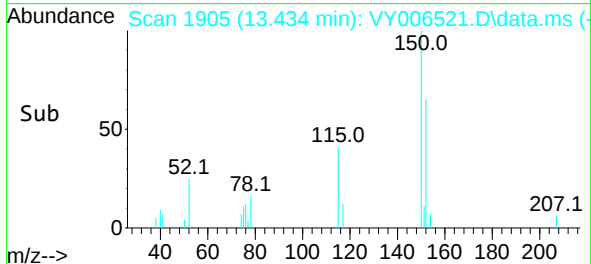
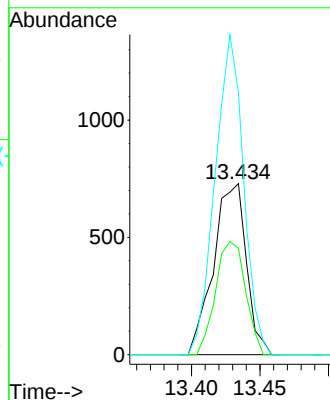
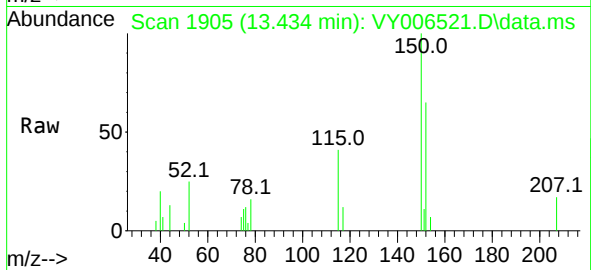
Tgt Ion:152 Resp: 1215

Ion Ratio Lower Upper

152 100

115 60.2 28.5 85.5

150 162.3 0.0 348.2



#76

1,2,3-Trichloropropane

Concen: 77.714 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY006521.D

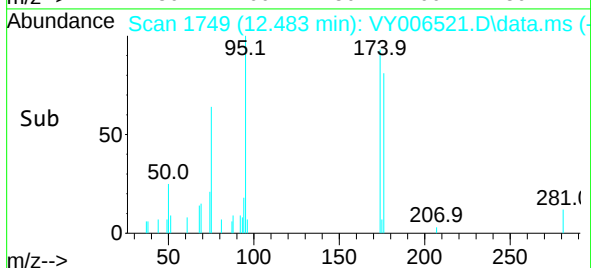
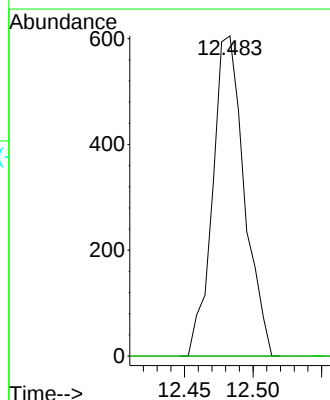
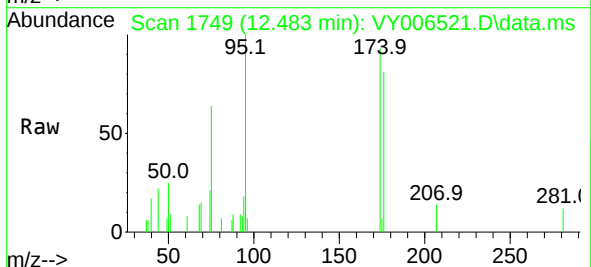
Acq: 28 Oct 2021 17:21

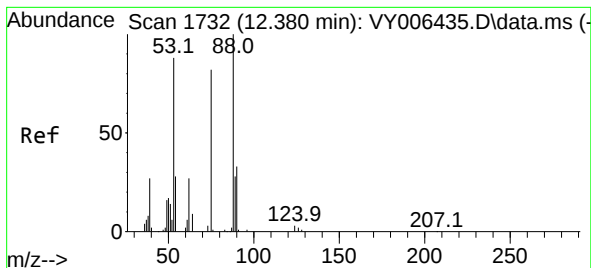
Tgt Ion: 75 Resp: 973

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

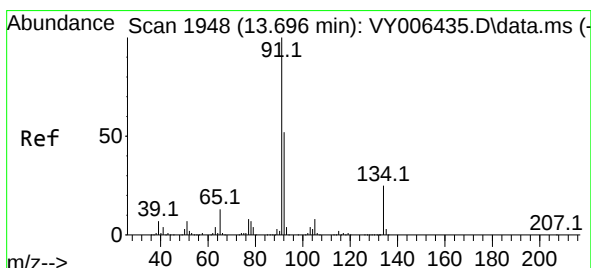
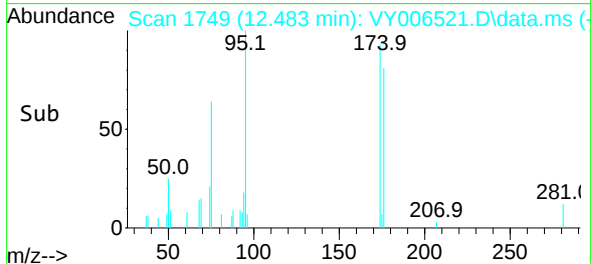
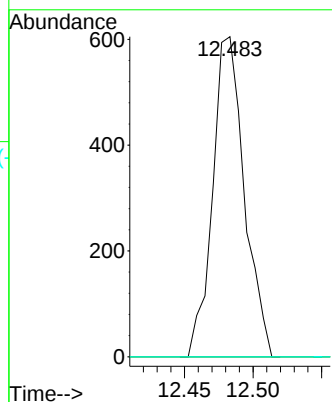
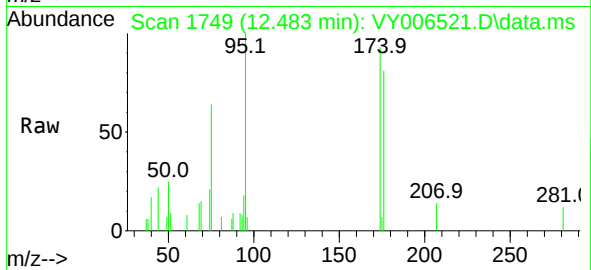




#81
trans-1,4-Dichloro-2-butene
Concen: 159.544 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY006521.D
Acq: 28 Oct 2021 17:21

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 973
Ion Ratio Lower Upper
75 100
53 0.0 85.8 128.6#
89 0.0 39.3 58.9#



#89
n-Butylbenzene
Concen: 1.384 ug/l
RT: 13.690 min Scan# 1947
Delta R.T. -0.006 min
Lab File: VY006521.D
Acq: 28 Oct 2021 17:21

Tgt Ion: 91 Resp: 102
Ion Ratio Lower Upper
91 100
92 0.0 26.3 78.9#
134 0.0 12.9 38.7#

