

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY083121\
 Data File : VY005914.D
 Acq On : 31 Aug 2021 15:57
 Operator : SY/MD
 Sample : M3597-03
 Misc : 5.03G/5ML/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 01 05:37:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y083121S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 01 05:32:43 2021
 Response via : Initial Calibration

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

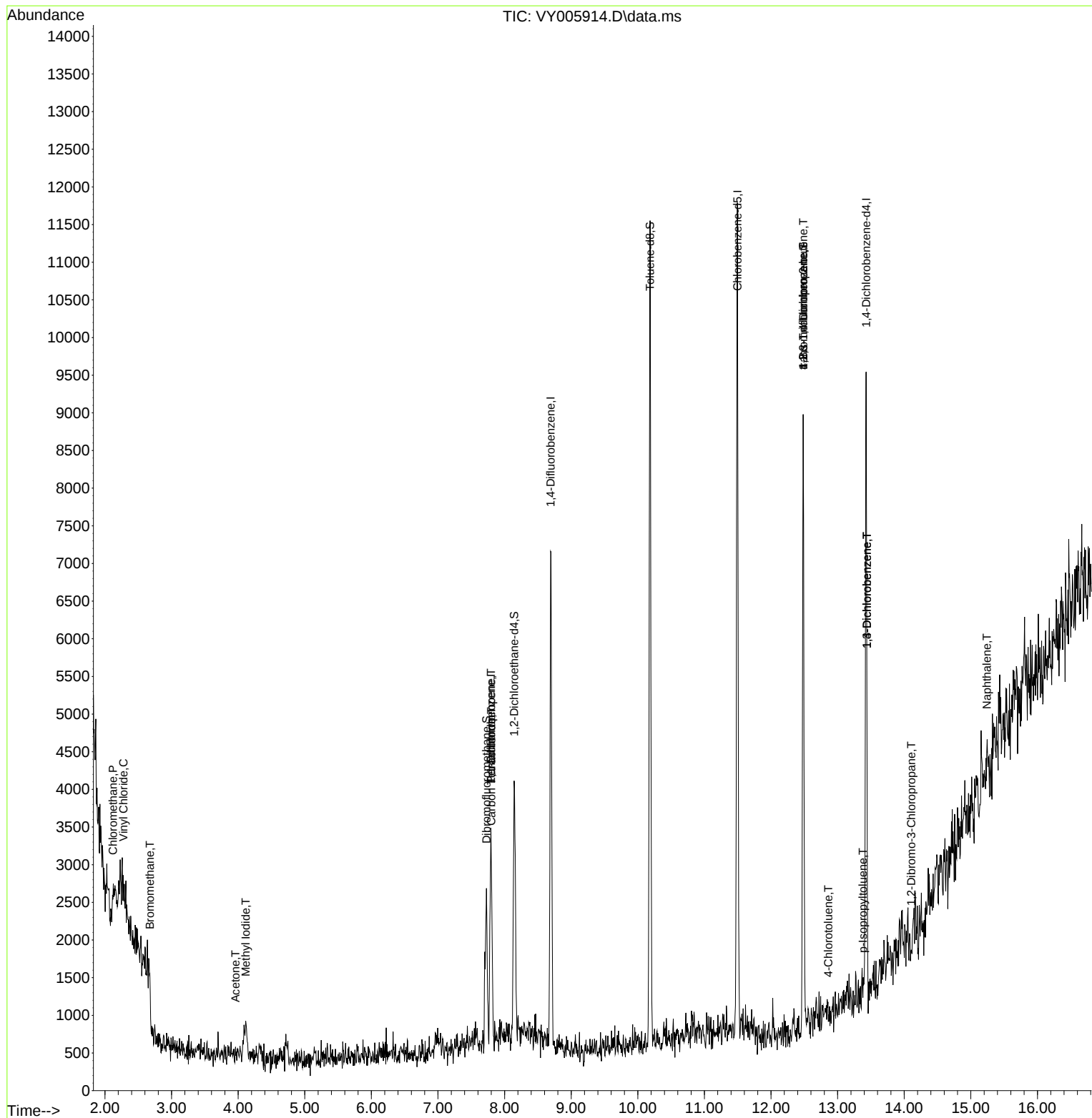
Internal Standards						
1) Pentafluorobenzene	7.795	168	2787	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	5521	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	6322	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	2206	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	2958	105.322	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	210.640%#
35) Dibromofluoromethane	7.728	113	1434	46.249	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.500%
50) Toluene-d8	10.184	98	7066	54.301	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	108.600%
62) 4-Bromofluorobenzene	12.483	95	2217	50.739	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	101.480%
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	72	2.732	ug/l #	42
4) Vinyl Chloride	2.277	62	62	1.810	ug/l #	43
5) Bromomethane	2.674	94	98	4.240	ug/l	97
10) Methyl Iodide	4.112	142	736	24.855	ug/l #	84
16) Acetone	3.960	43	91	12.707	ug/l #	43
20) Methylene Chloride	4.734	84	46	Below Cal	#	55
36) 1,1-Dichloropropene	7.795	75	70	1.347	ug/l #	41
38) Carbon Tetrachloride	7.801	117	196	3.479	ug/l #	12
76) 1,2,3-Trichloropropane	12.483	75	1197	57.973	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	1197	110.253	ug/l #	13
82) 4-Chlorotoluene	12.861	91	120	1.169	ug/l #	38
86) p-Isopropyltoluene	13.379	119	196	1.425	ug/l #	50
87) 1,3-Dichlorobenzene	13.440	146	74	1.027	ug/l #	25
88) 1,4-Dichlorobenzene	13.440	146	74	1.028	ug/l #	25
92) 1,2-Dibromo-3-Chloropr...	14.104	75	18	3.430	ug/l #	1
95) Naphthalene	15.238	128	194	2.341	ug/l #	69

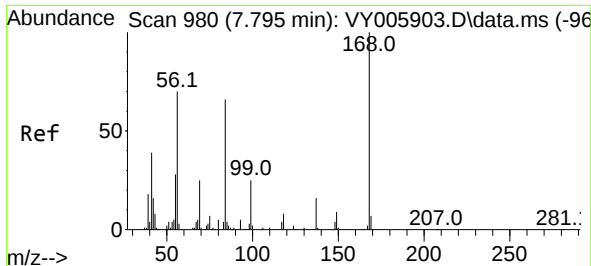
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

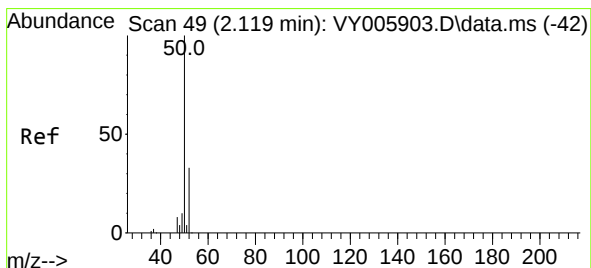
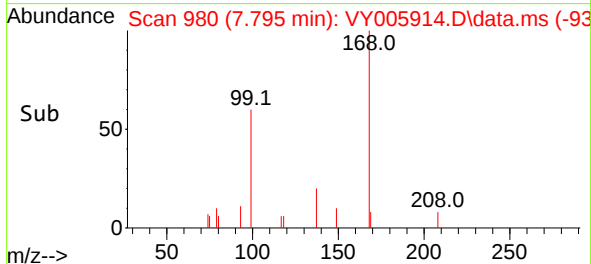
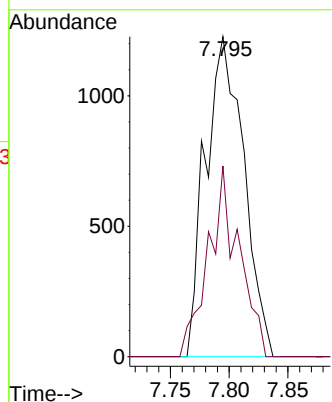
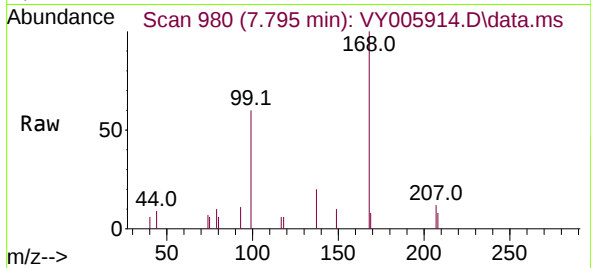




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.000 min
Lab File: VY005914.D
Acq: 31 Aug 2021 15:57

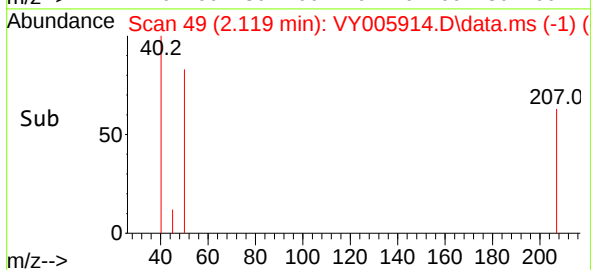
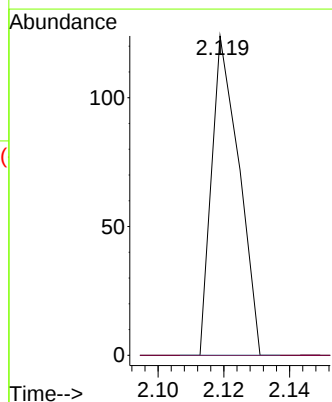
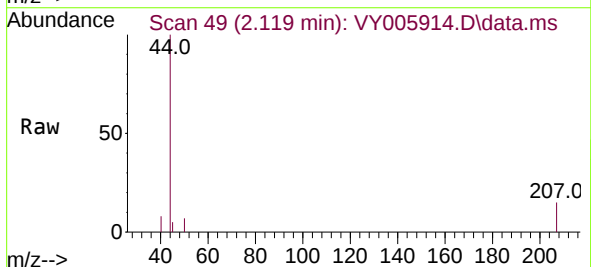
Instrument :
MSVOA_Y
ClientSampleId :

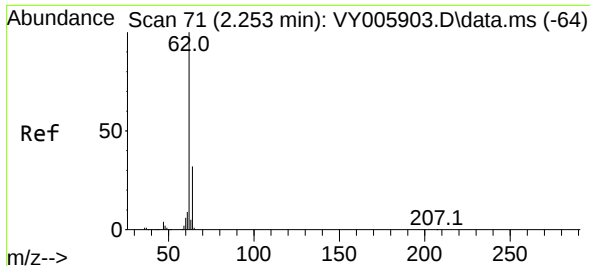
Tgt Ion:168 Resp: 2787
Ion Ratio Lower Upper
168 100
99 59.6 40.6 60.8



#3
Chloromethane
Concen: 2.732 ug/l
RT: 2.119 min Scan# 49
Delta R.T. -0.000 min
Lab File: VY005914.D
Acq: 31 Aug 2021 15:57

Tgt Ion: 50 Resp: 72
Ion Ratio Lower Upper
50 100
52 0.0 26.2 39.4#

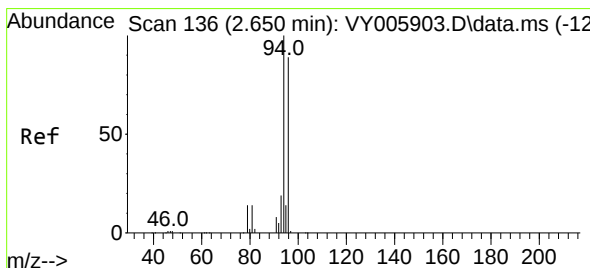
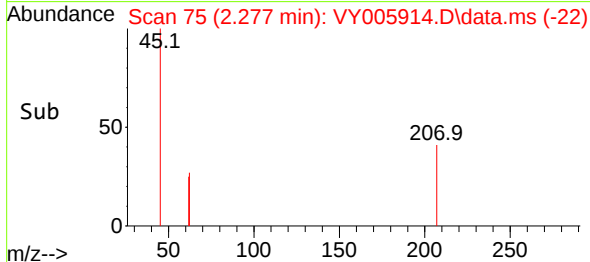
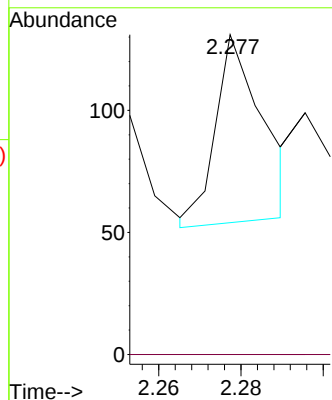
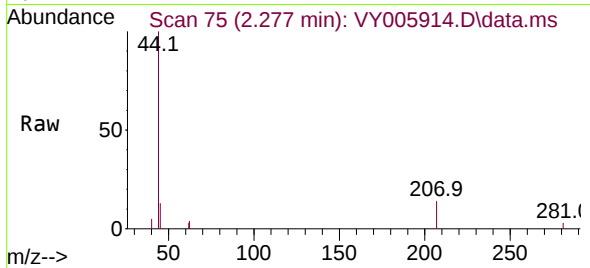




#4
 Vinyl Chloride
 Concen: 1.810 ug/l
 RT: 2.277 min Scan# 75
 Delta R.T. 0.024 min
 Lab File: VY005914.D
 Acq: 31 Aug 2021 15:57

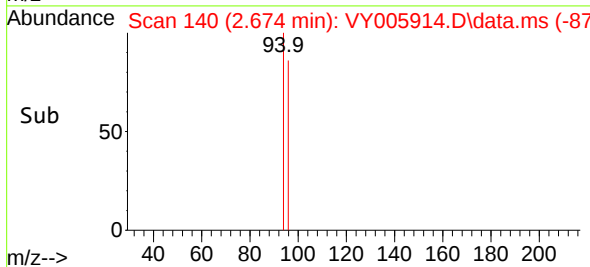
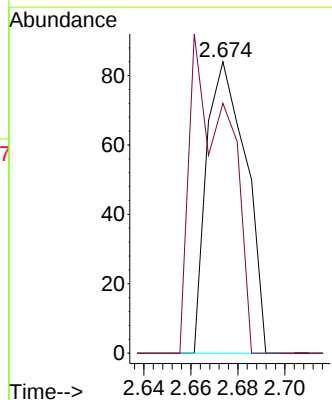
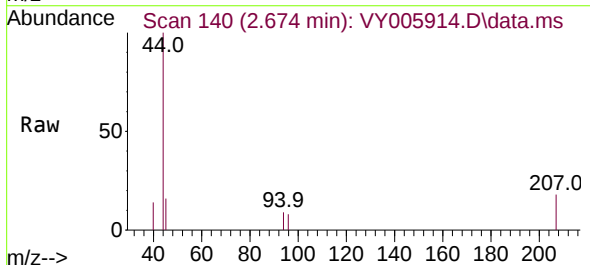
Instrument :
 MSVOA_Y
 ClientSampled :

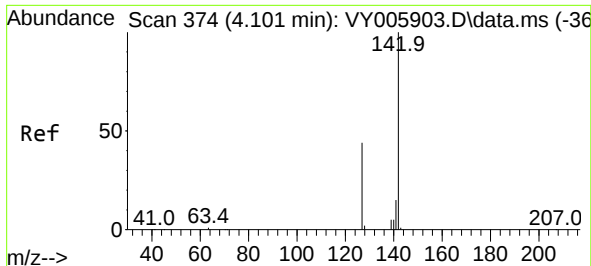
Tgt Ion: 62 Resp: 62
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.7 38.5#



#5
 Bromomethane
 Concen: 4.240 ug/l
 RT: 2.674 min Scan# 140
 Delta R.T. 0.024 min
 Lab File: VY005914.D
 Acq: 31 Aug 2021 15:57

Tgt Ion: 94 Resp: 98
 Ion Ratio Lower Upper
 94 100
 96 85.7 70.8 106.2





#10

Methyl Iodide

Concen: 24.855 ug/l

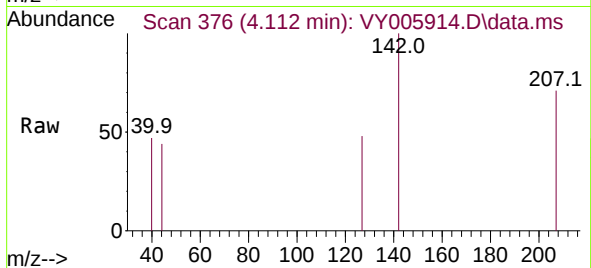
RT: 4.112 min Scan# 376

Delta R.T. 0.012 min

Lab File: VY005914.D

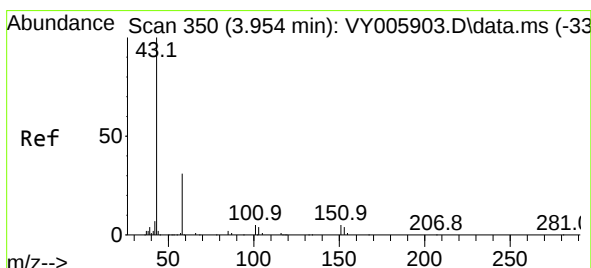
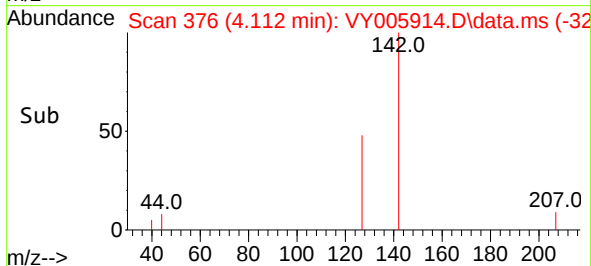
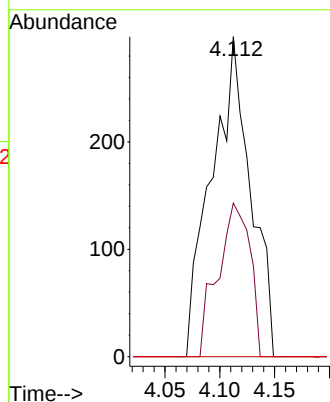
Acq: 31 Aug 2021 15:57

Instrument :
MSVOA_Y
ClientSampled :



Tgt Ion:142 Resp: 736

Ion	Ratio	Lower	Upper
142	100		
127	39.7	36.7	55.1
141	0.0	11.8	17.8#



#16

Acetone

Concen: 12.707 ug/l

RT: 3.960 min Scan# 351

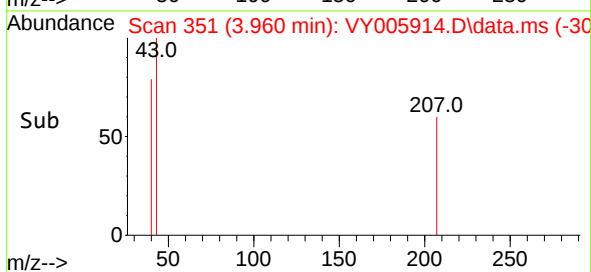
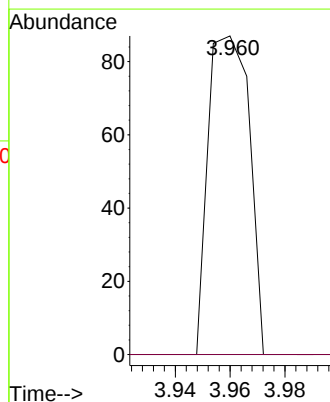
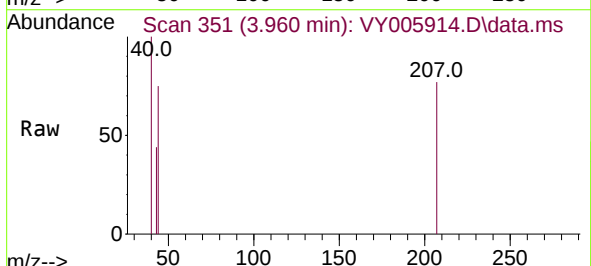
Delta R.T. 0.006 min

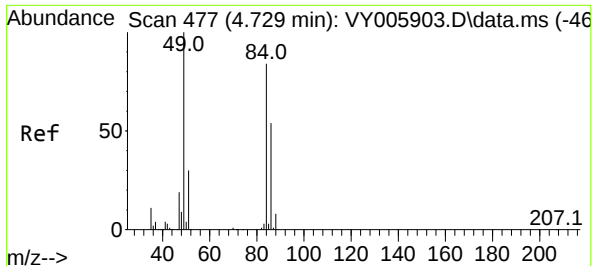
Lab File: VY005914.D

Acq: 31 Aug 2021 15:57

Tgt Ion: 43 Resp: 91

Ion	Ratio	Lower	Upper
43	100		
58	0.0	25.1	37.7#





#20

Methylene Chloride

Concen: Below Cal

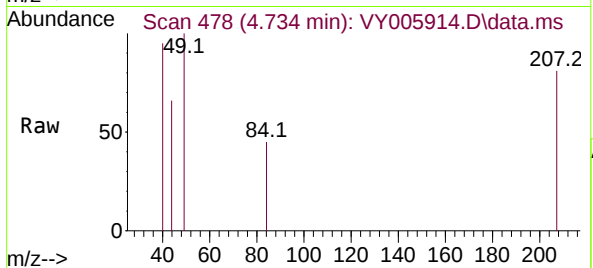
RT: 4.734 min Scan# 478

Delta R.T. 0.005 min

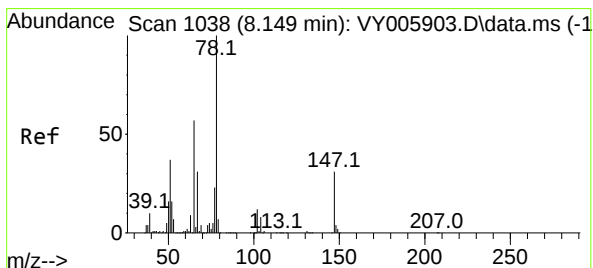
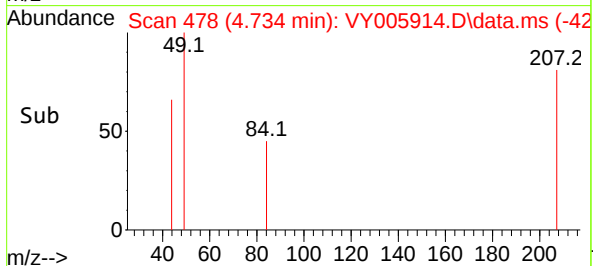
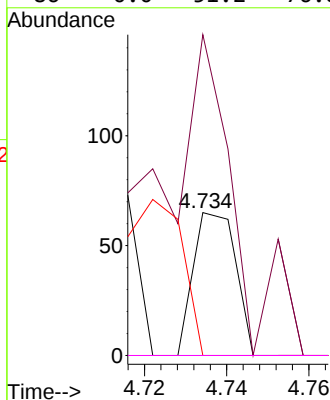
Lab File: VY005914.D

Acq: 31 Aug 2021 15:57

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84	Resp: 46
Ion Ratio	Lower Upper
84 100	
49 143.1	95.7 143.5
51 0.0	29.0 43.6#
86 0.0	51.2 76.8#



#33

1,2-Dichloroethane-d4

Concen: 105.322 ug/l

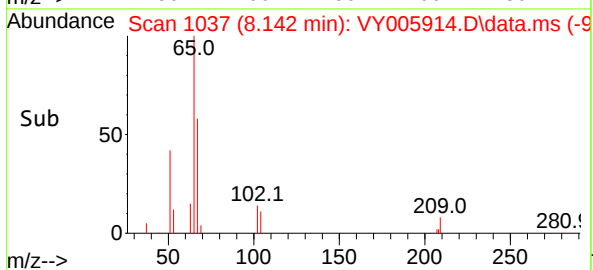
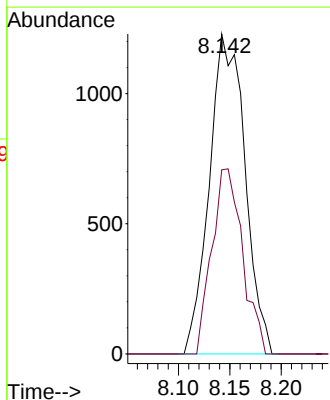
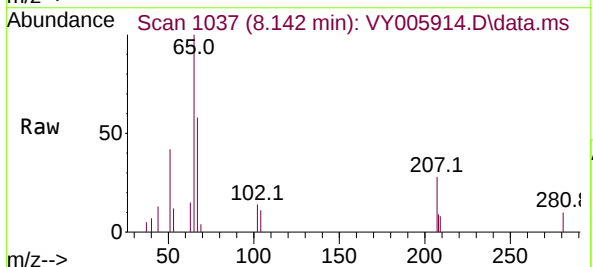
RT: 8.142 min Scan# 1037

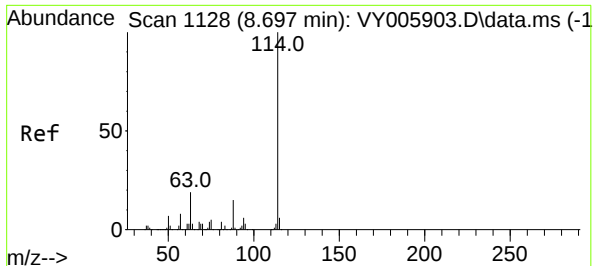
Delta R.T. -0.007 min

Lab File: VY005914.D

Acq: 31 Aug 2021 15:57

Tgt Ion: 65	Resp: 2958
Ion Ratio	Lower Upper
65 100	
67 49.9	0.0 105.4

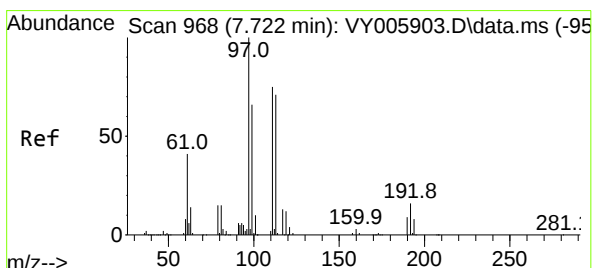
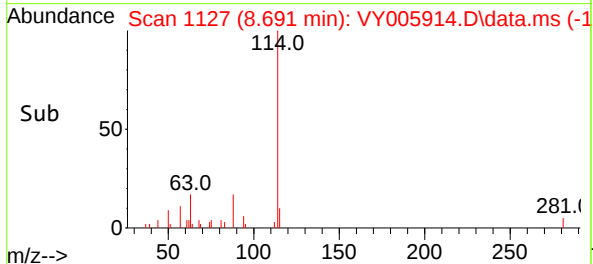
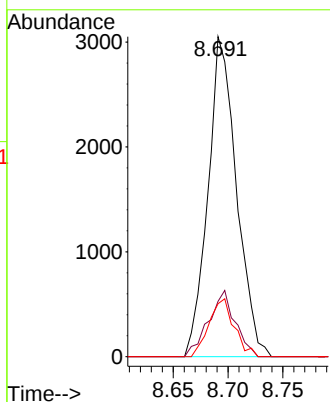
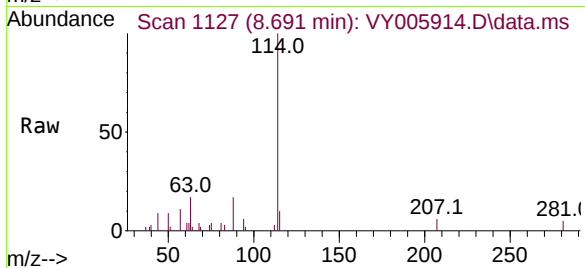




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.007 min
Lab File: VY005914.D
Acq: 31 Aug 2021 15:57

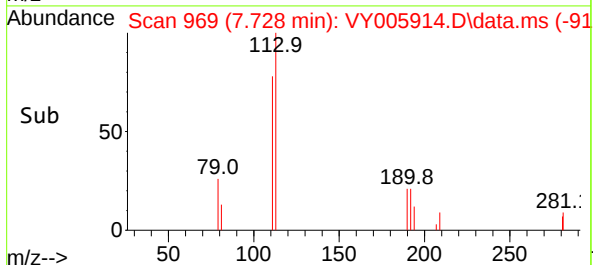
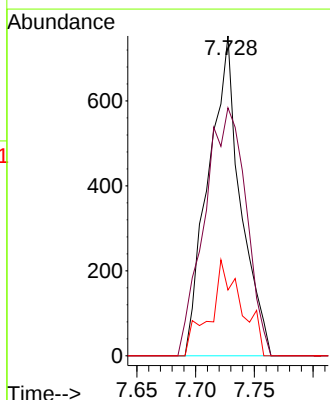
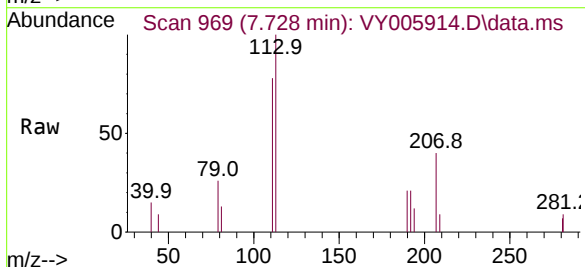
Instrument :
MSVOA_Y
ClientSampleId :

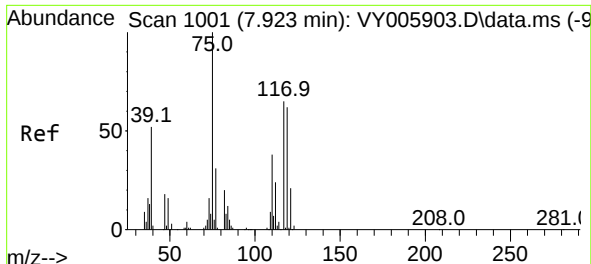
Tgt Ion:	114	Resp:	5521
Ion	Ratio	Lower	Upper
114	100		
63	17.3	0.0	38.4
88	16.5	0.0	30.0



#35
Dibromofluoromethane
Concen: 46.249 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY005914.D
Acq: 31 Aug 2021 15:57

Tgt Ion:	113	Resp:	1434
Ion	Ratio	Lower	Upper
113	100		
111	100.1	81.9	122.9
192	29.6	19.4	29.0#

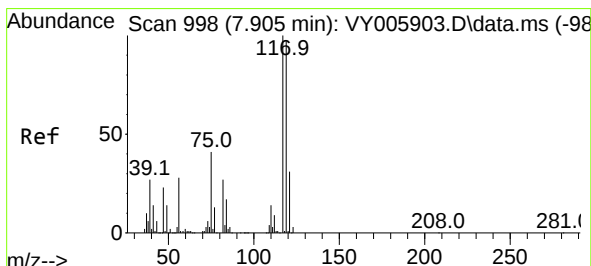
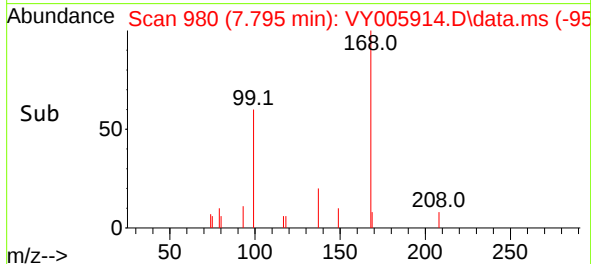
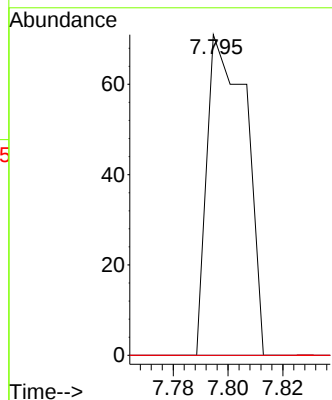
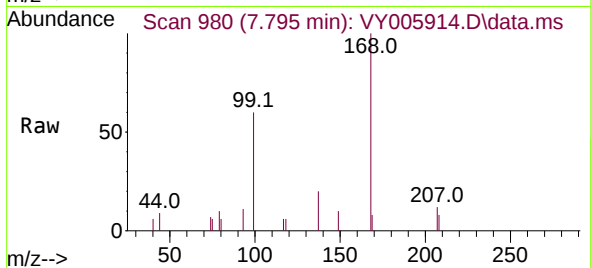




#36
1,1-Dichloropropene
Concen: 1.347 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY005914.D
Acq: 31 Aug 2021 15:57

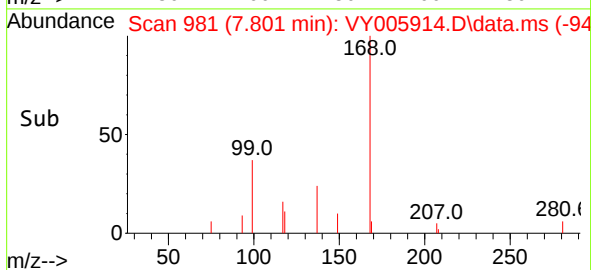
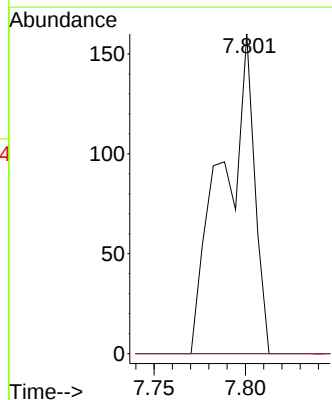
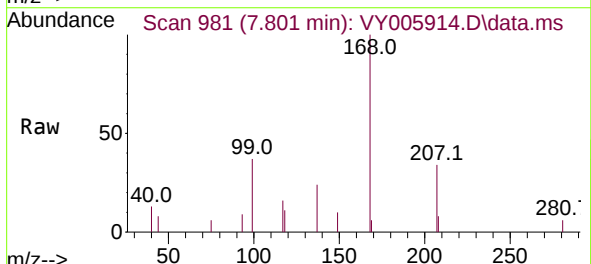
Instrument :
MSVOA_Y
ClientSampleId :

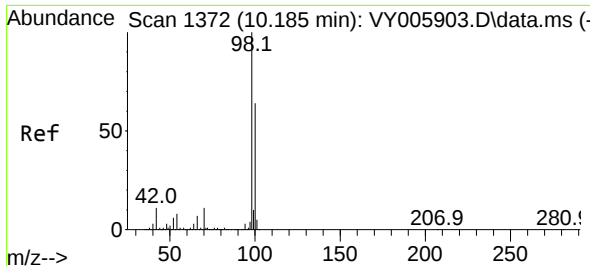
Tgt Ion: 75 Resp: 70
Ion Ratio Lower Upper
75 100
110 0.0 18.1 54.3#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 3.479 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.104 min
Lab File: VY005914.D
Acq: 31 Aug 2021 15:57

Tgt Ion: 117 Resp: 196
Ion Ratio Lower Upper
117 100
119 0.0 77.5 116.3#
121 0.0 25.0 37.6#

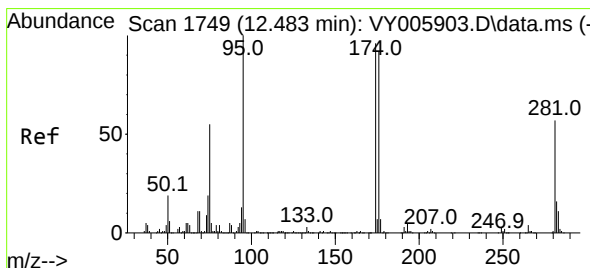
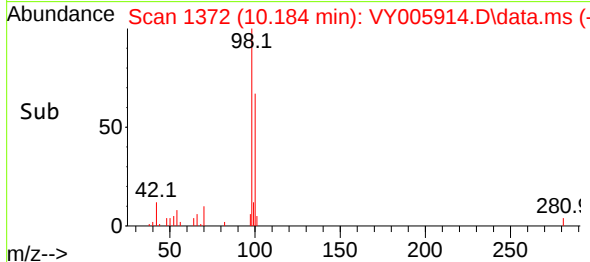
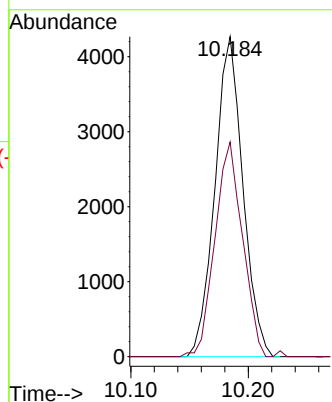
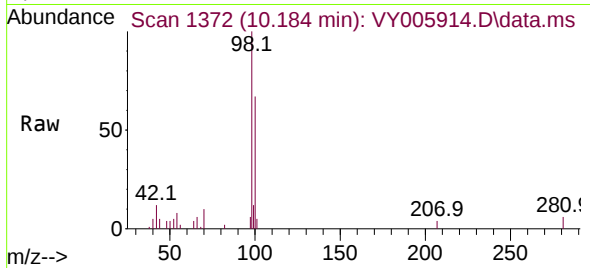




#50
Toluene-d8
Concen: 54.301 ug/l
RT: 10.184 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY005914.D
Acq: 31 Aug 2021 15:57

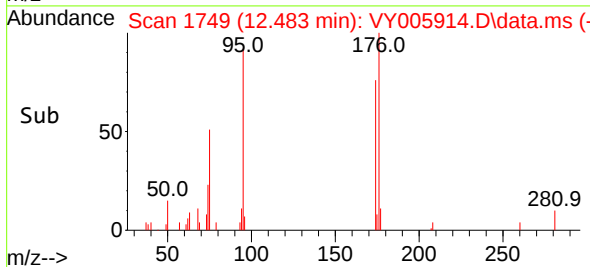
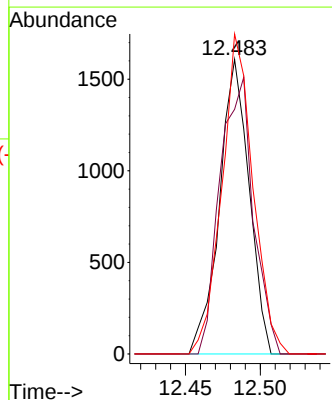
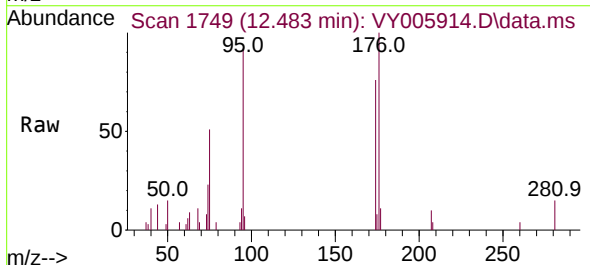
Instrument :
MSVOA_Y
ClientSampleId :

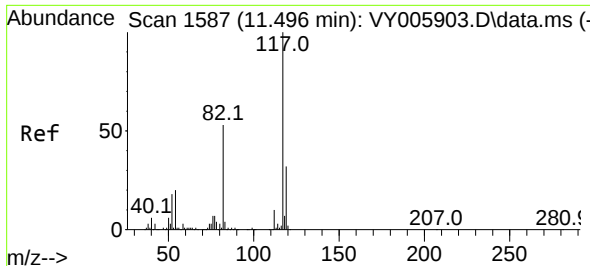
Tgt Ion: 98 Resp: 7066
Ion Ratio Lower Upper
98 100
100 65.9 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 50.739 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY005914.D
Acq: 31 Aug 2021 15:57

Tgt Ion: 95 Resp: 2217
Ion Ratio Lower Upper
95 100
174 105.7 0.0 192.4
176 114.3 0.0 186.8

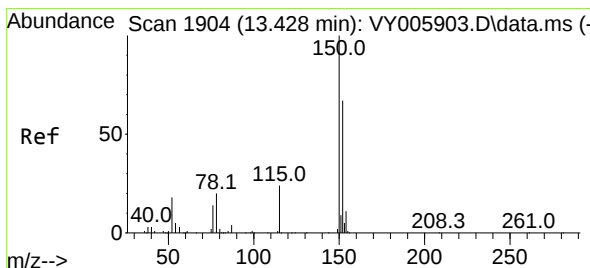
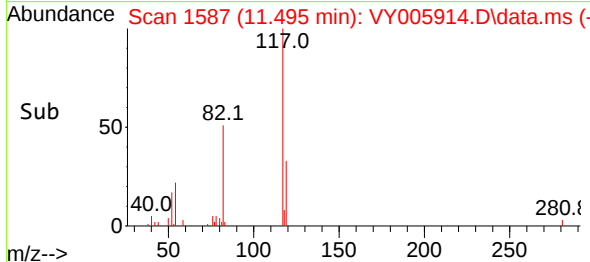
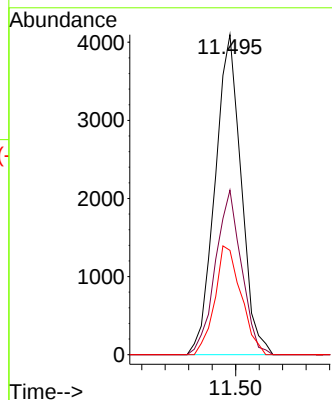
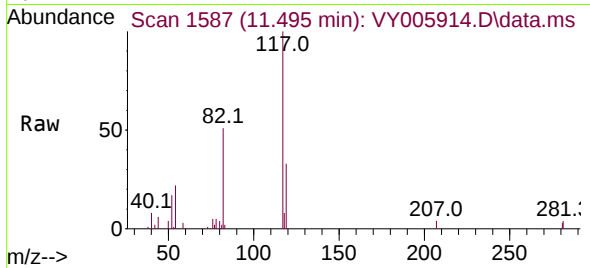




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY005914.D
Acq: 31 Aug 2021 15:57

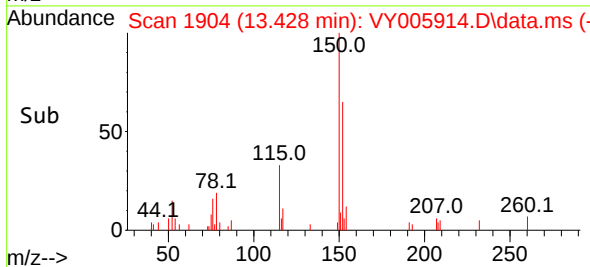
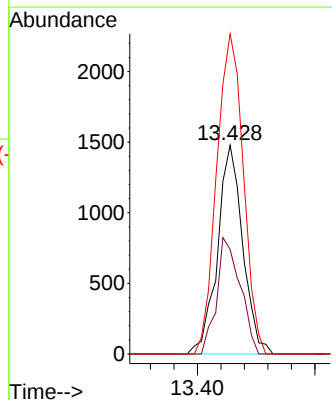
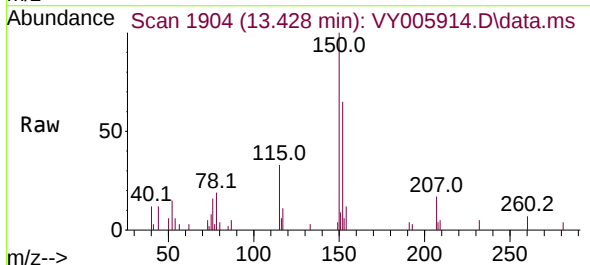
Instrument :
MSVOA_Y
ClientSampleId :

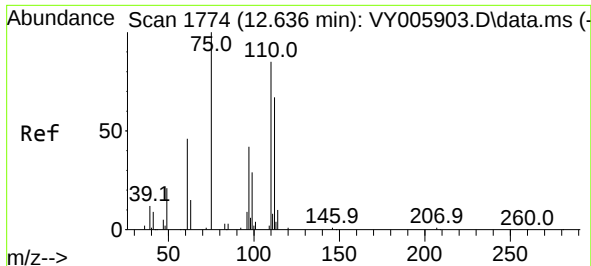
Tgt Ion:	117	Resp:	6322
Ion	Ratio	Lower	Upper
117	100		
82	51.4	42.4	63.6
119	32.6	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY005914.D
Acq: 31 Aug 2021 15:57

Tgt Ion:	152	Resp:	2206
Ion	Ratio	Lower	Upper
152	100		
115	51.9	26.8	80.4
150	161.9	0.0	345.6

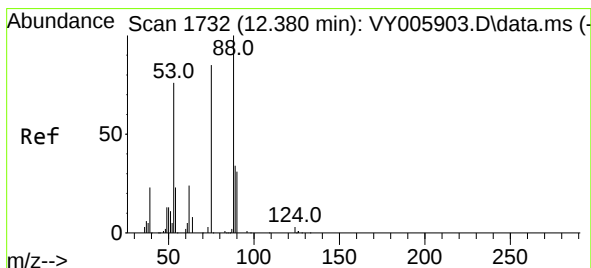
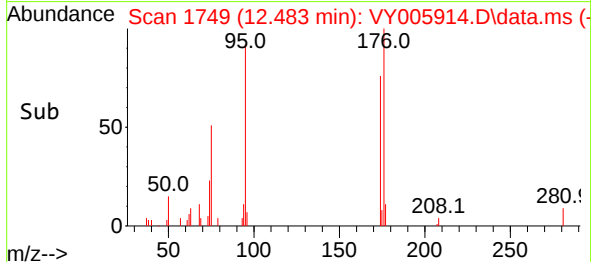
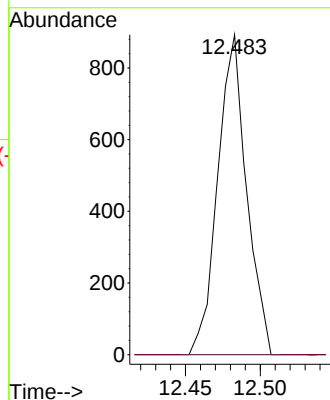
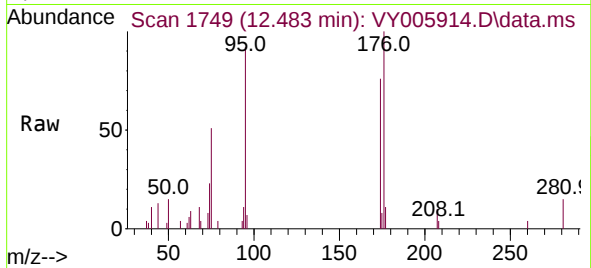




#76
1,2,3-Trichloropropane
Concen: 57.973 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY005914.D
Acq: 31 Aug 2021 15:57

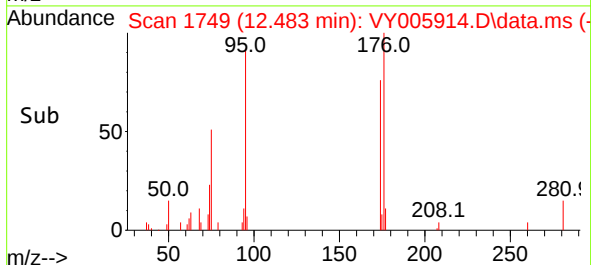
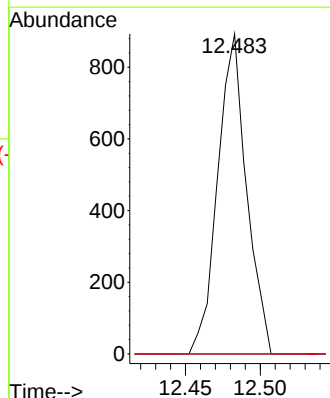
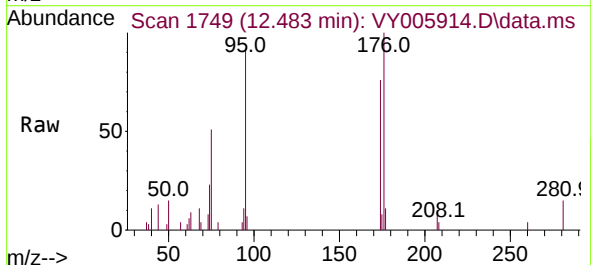
Instrument :
MSVOA_Y
ClientSampleId :

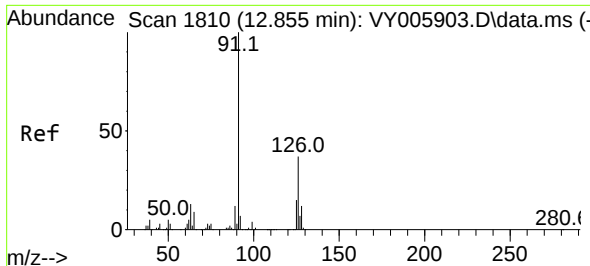
Tgt Ion: 75 Resp: 1197
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 110.253 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY005914.D
Acq: 31 Aug 2021 15:57

Tgt Ion: 75 Resp: 1197
Ion Ratio Lower Upper
75 100
53 0.0 71.8 107.8#
89 0.0 35.8 53.6#

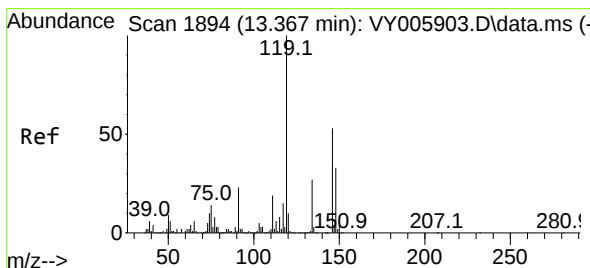
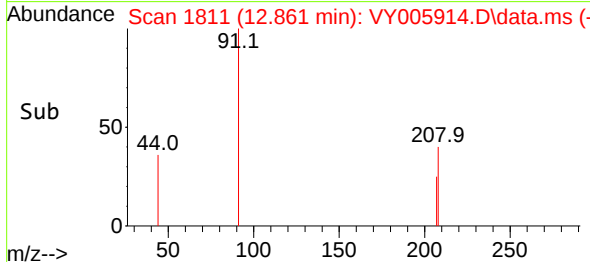
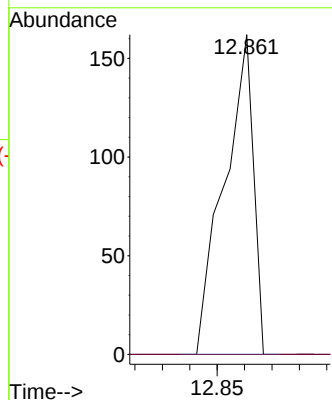
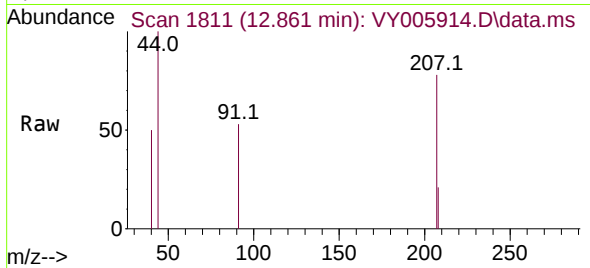




#82
4-Chlorotoluene
Concen: 1.169 ug/l
RT: 12.861 min Scan# 1811
Delta R.T. 0.006 min
Lab File: VY005914.D
Acq: 31 Aug 2021 15:57

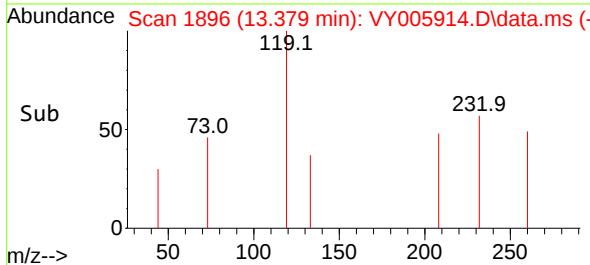
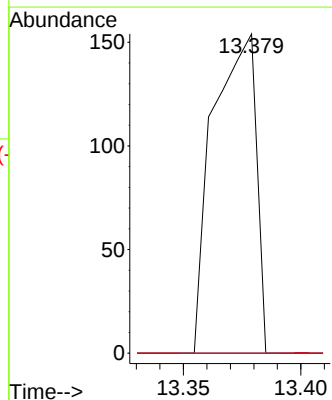
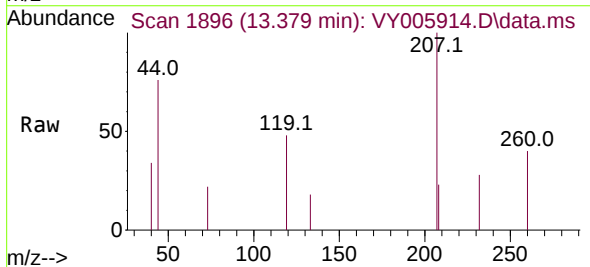
Instrument :
MSVOA_Y
ClientSampled :

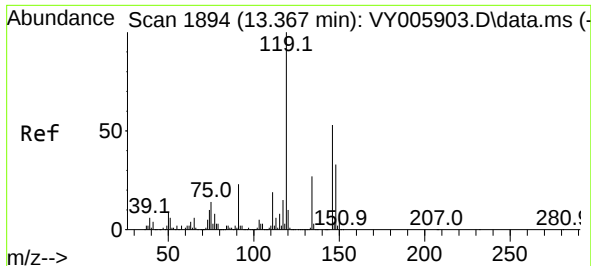
Tgt Ion: 91 Resp: 120
Ion Ratio Lower Upper
91 100
126 0.0 18.2 54.6#



#86
p-Isopropyltoluene
Concen: 1.425 ug/l
RT: 13.379 min Scan# 1896
Delta R.T. 0.012 min
Lab File: VY005914.D
Acq: 31 Aug 2021 15:57

Tgt Ion: 119 Resp: 196
Ion Ratio Lower Upper
119 100
134 0.0 13.7 41.1#
91 0.0 11.4 34.2#

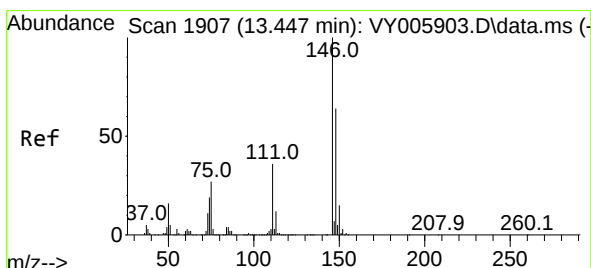
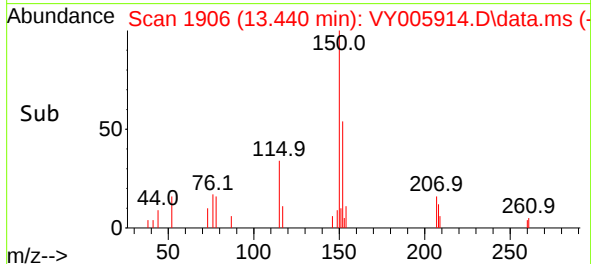
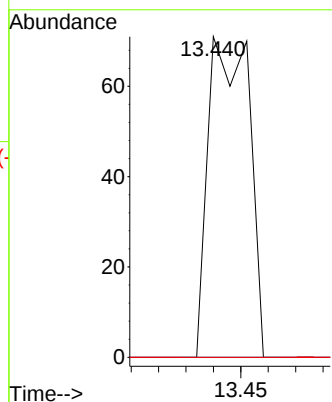
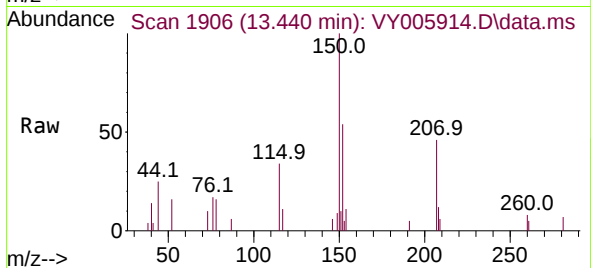




#87
1,3-Dichlorobenzene
Concen: 1.027 ug/l
RT: 13.440 min Scan# 1906
Delta R.T. 0.073 min
Lab File: VY005914.D
Acq: 31 Aug 2021 15:57

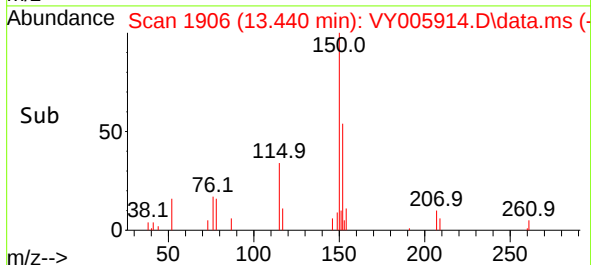
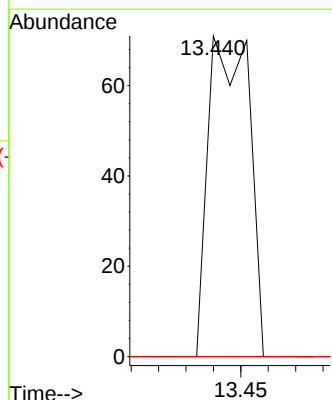
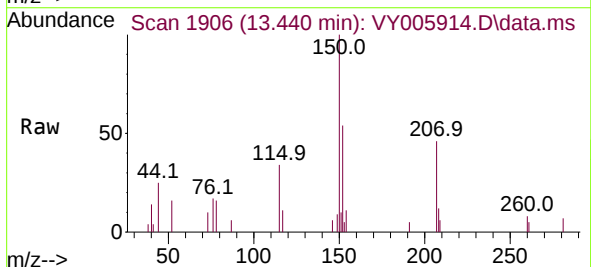
Instrument :
MSVOA_Y
ClientSampled :

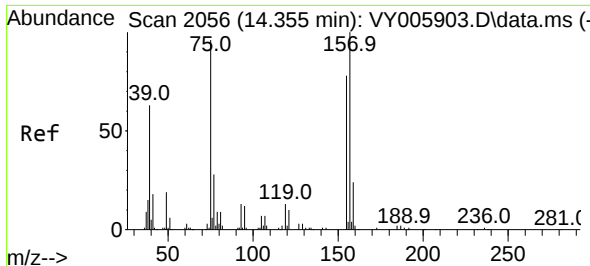
Tgt Ion:146 Resp: 74
Ion Ratio Lower Upper
146 100
111 0.0 18.6 55.6#
148 0.0 31.9 95.7#



#88
1,4-Dichlorobenzene
Concen: 1.028 ug/l
RT: 13.440 min Scan# 1906
Delta R.T. -0.007 min
Lab File: VY005914.D
Acq: 31 Aug 2021 15:57

Tgt Ion:146 Resp: 74
Ion Ratio Lower Upper
146 100
111 0.0 18.1 54.3#
148 0.0 32.1 96.5#

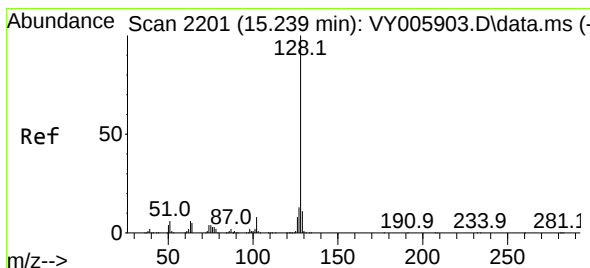
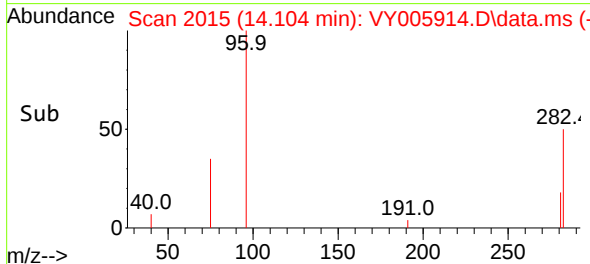
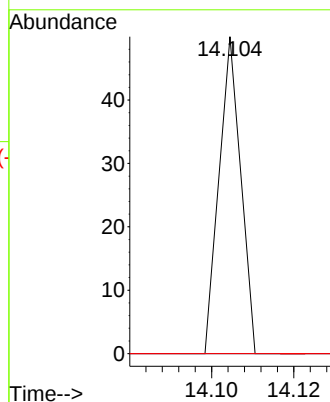
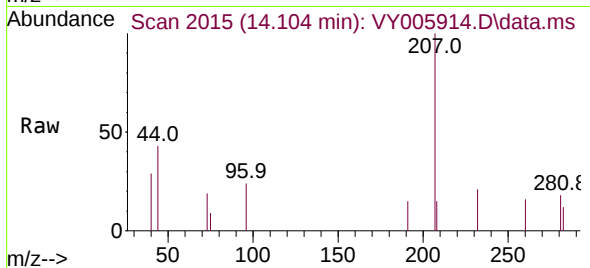




#92
1,2-Dibromo-3-Chloropropane
Concen: 3.430 ug/l
RT: 14.104 min Scan# 2015
Delta R.T. -0.250 min
Lab File: VY005914.D
Acq: 31 Aug 2021 15:57

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 18
Ion Ratio Lower Upper
75 100
155 0.0 43.1 129.3#
157 0.0 54.4 163.3#



#95
Naphthalene
Concen: 2.341 ug/l
RT: 15.238 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY005914.D
Acq: 31 Aug 2021 15:57

Tgt Ion: 128 Resp: 194
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.7 13.1#

