

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072821\
 Data File : VY005492.D
 Acq On : 28 Jul 2021 16:19
 Operator : SY/MD
 Sample : M3210-03
 Misc : 5.06G/5ML/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jul 29 05:33:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 06:20:14 2021
 Response via : Initial Calibration

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

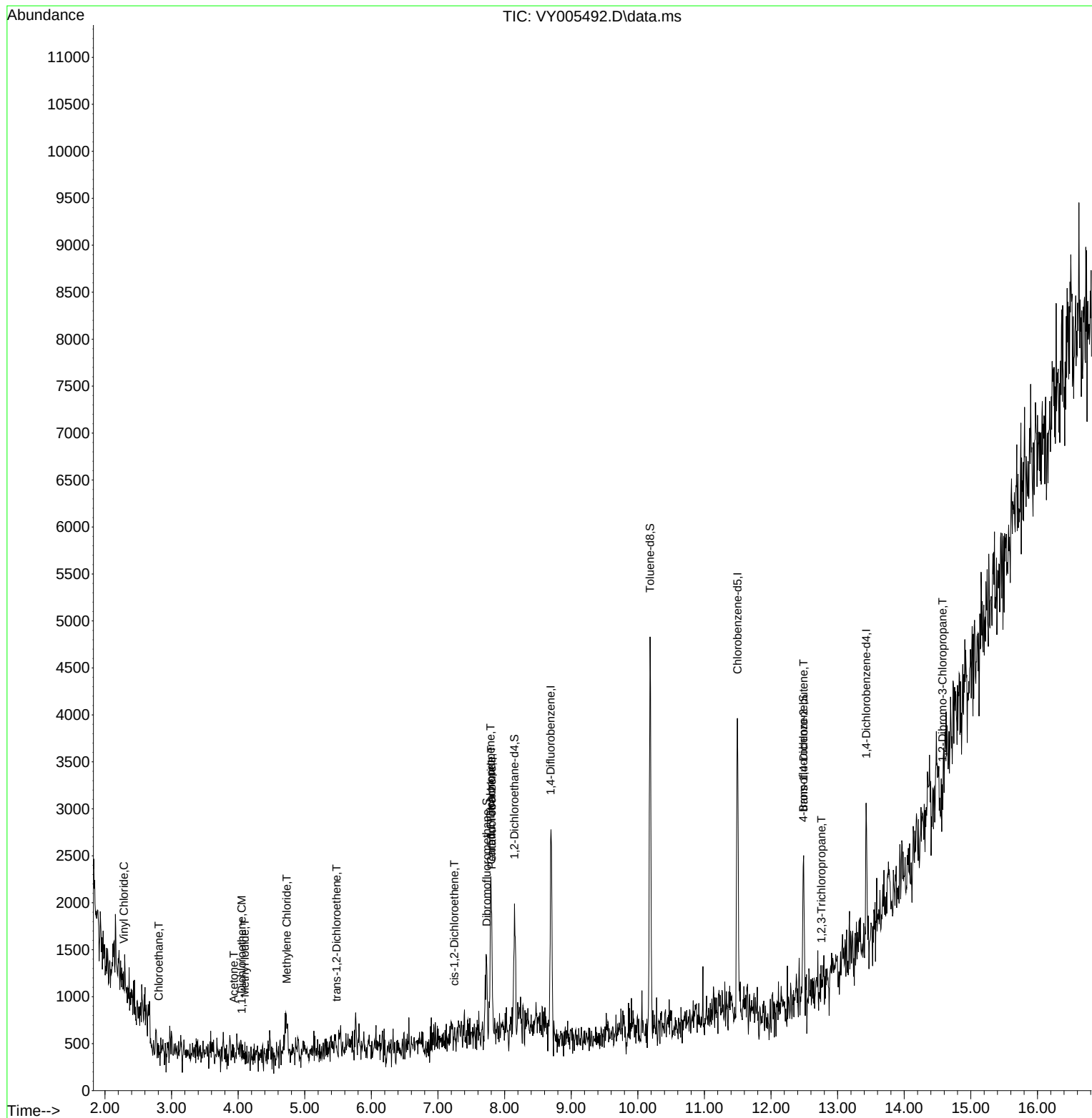
Internal Standards						
1) Pentafluorobenzene	7.807	168	1588	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.691	114	2360	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	1845	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	321	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	1001	59.003	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.000%	
35) Dibromofluoromethane	7.734	113	492	36.105	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 72.220%	
50) Toluene-d8	10.184	98	2897	50.160	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.320%	
62) 4-Bromofluorobenzene	12.483	95	413	21.666	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 43.340%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.283	62	22	1.048	ug/l #	43
6) Chloroethane	2.808	64	26	1.972	ug/l #	42
10) Methyl Iodide	4.100	142	53	3.131	ug/l #	37
12) 1,1-Dichloroethene	4.051	96	20	1.317	ug/l #	1
16) Acetone	3.936	43	20	5.162	ug/l #	44
20) Methylene Chloride	4.728	84	151	5.700	ug/l #	41
21) trans-1,2-Dichloroethene	5.478	96	22	1.290	ug/l #	1
27) cis-1,2-Dichloroethene	7.246	96	57	3.124	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	121	5.303	ug/l #	41
38) Carbon Tetrachloride	7.801	117	43	1.724	ug/l #	12
76) 1,2,3-Trichloropropane	12.757	75	43	13.614	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	363	223.153	ug/l #	11
92) 1,2-Dibromo-3-Chloropr...	14.574	75	20	24.403	ug/l #	1

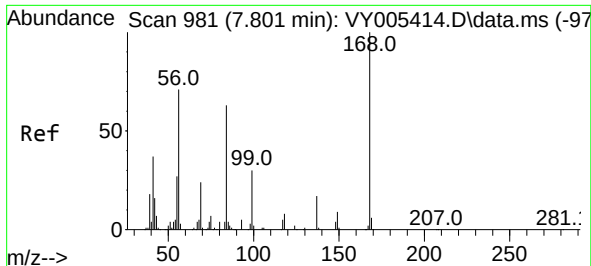
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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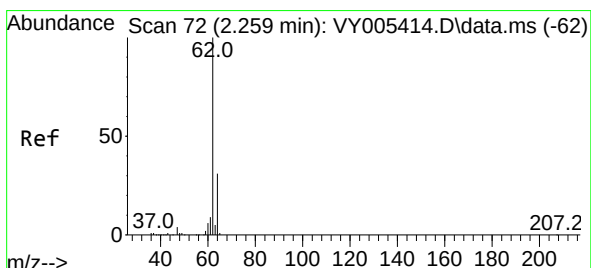
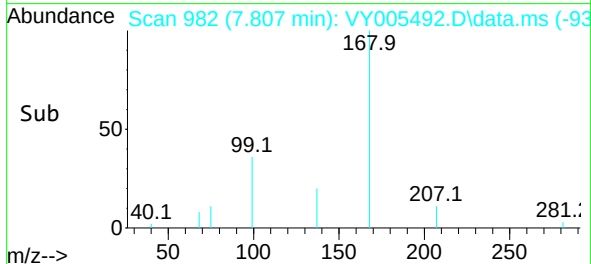
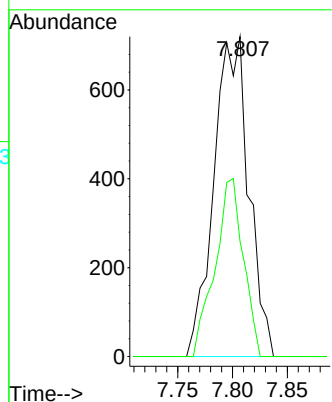
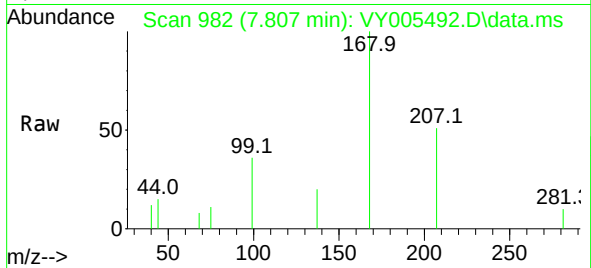




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY005492.D
Acq: 28 Jul 2021 16:19

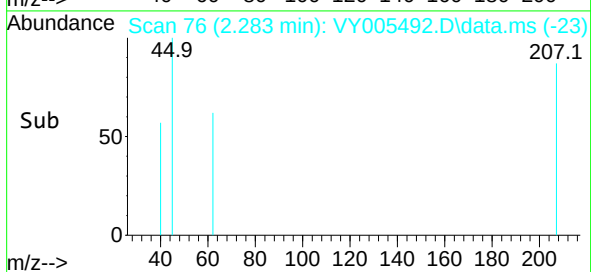
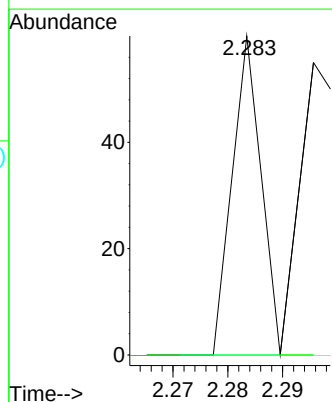
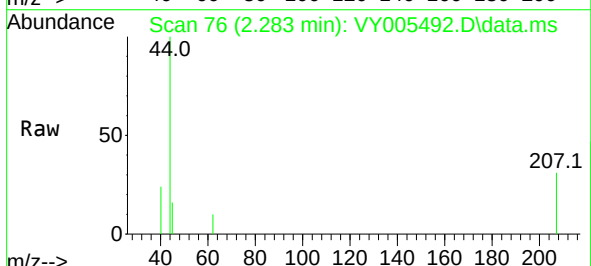
Instrument :
MSVOA_Y
ClientSampled :

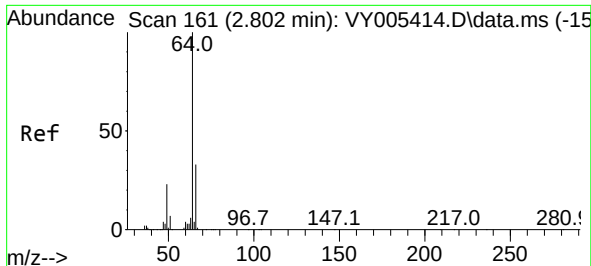
Tgt Ion:168 Resp: 1588
Ion Ratio Lower Upper
168 100
99 36.0 39.8 59.6#



#4
Vinyl Chloride
Concen: 1.048 ug/l
RT: 2.283 min Scan# 76
Delta R.T. 0.024 min
Lab File: VY005492.D
Acq: 28 Jul 2021 16:19

Tgt Ion: 62 Resp: 22
Ion Ratio Lower Upper
62 100
64 0.0 25.1 37.7#

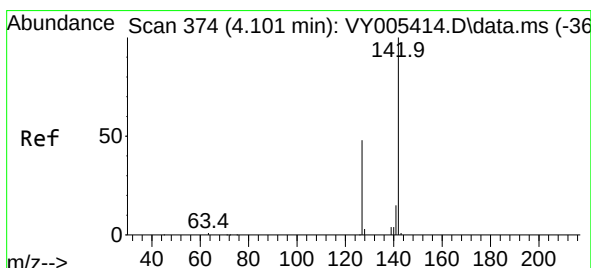
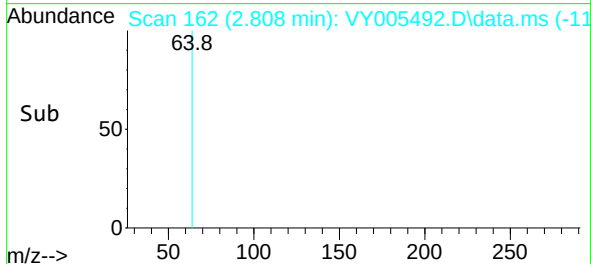
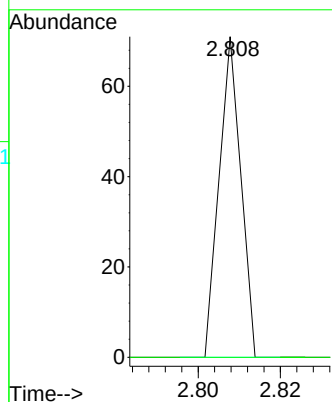
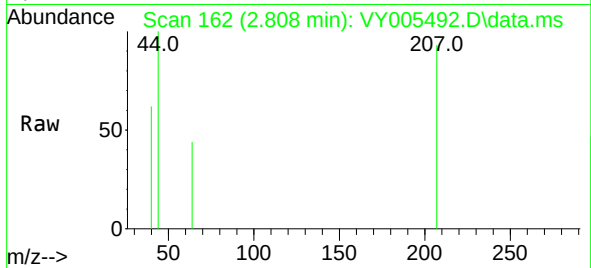




#6
Chloroethane
Concen: 1.972 ug/l
RT: 2.808 min Scan# 162
Delta R.T. 0.006 min
Lab File: VY005492.D
Acq: 28 Jul 2021 16:19

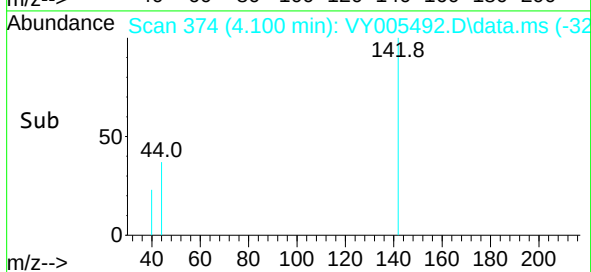
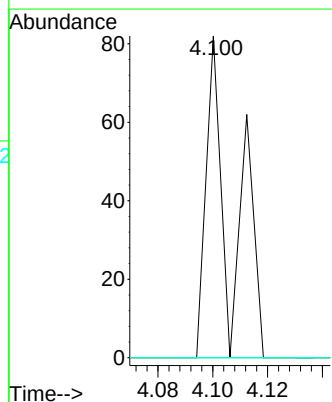
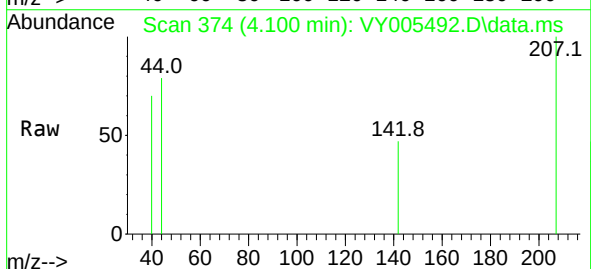
Instrument :
MSVOA_Y
ClientSampled :

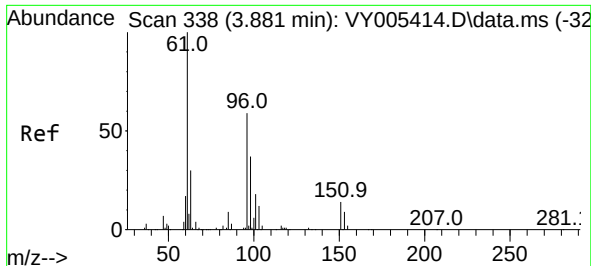
Tgt Ion: 64 Resp: 26
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#10
Methyl Iodide
Concen: 3.131 ug/l
RT: 4.100 min Scan# 374
Delta R.T. -0.000 min
Lab File: VY005492.D
Acq: 28 Jul 2021 16:19

Tgt Ion:142 Resp: 53
Ion Ratio Lower Upper
142 100
127 0.0 38.2 57.4#
141 0.0 12.0 18.0#





#12

1,1-Dichloroethene

Concen: 1.317 ug/l

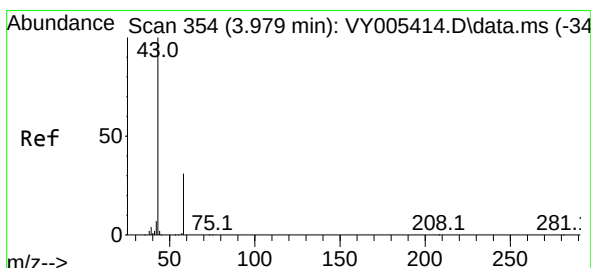
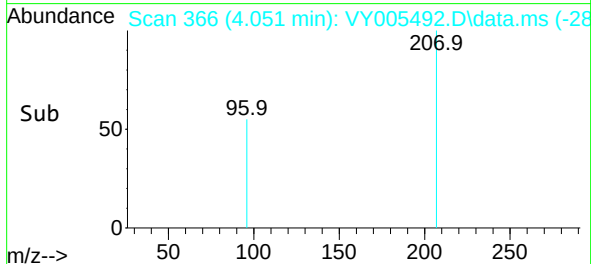
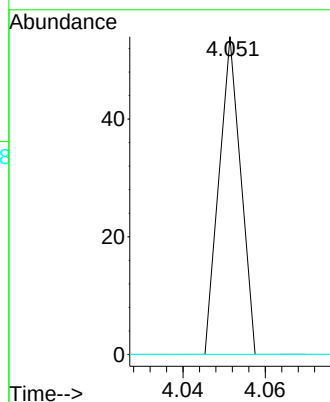
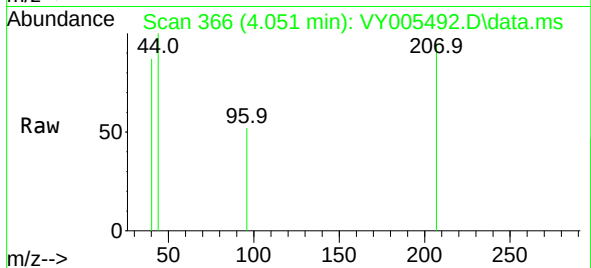
RT: 4.051 min Scan# 366

Delta R.T. 0.170 min

Lab File: VY005492.D

Acq: 28 Jul 2021 16:19

Tgt Ion: 96	Resp: 20
Ion Ratio	Lower Upper
96 100	
61 0.0	135.4 203.0#
98 0.0	50.2 75.4#



#16

Acetone

Concen: 5.162 ug/l

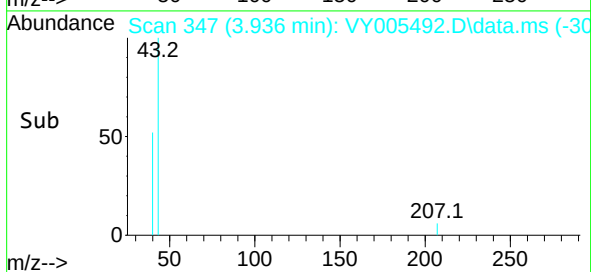
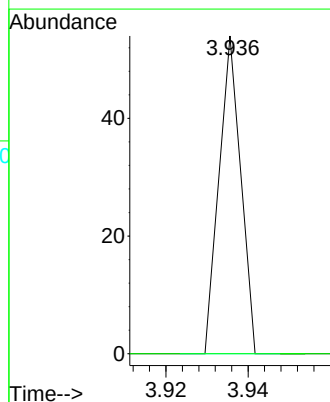
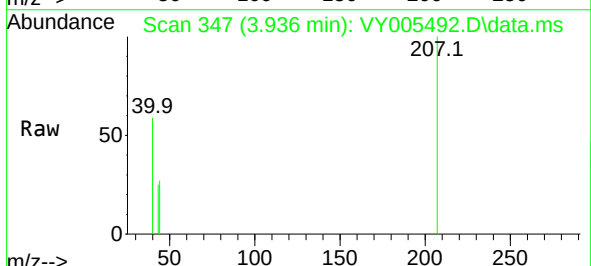
RT: 3.936 min Scan# 347

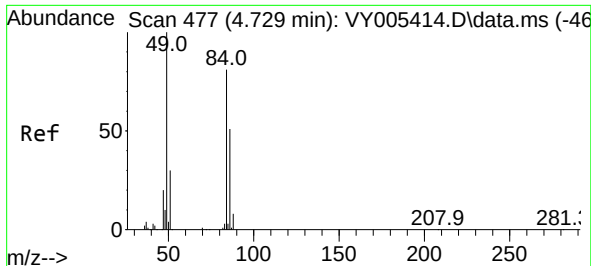
Delta R.T. -0.043 min

Lab File: VY005492.D

Acq: 28 Jul 2021 16:19

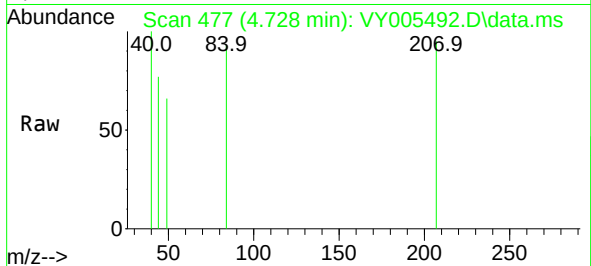
Tgt Ion: 43	Resp: 20
Ion Ratio	Lower Upper
43 100	
58 0.0	24.5 36.7#



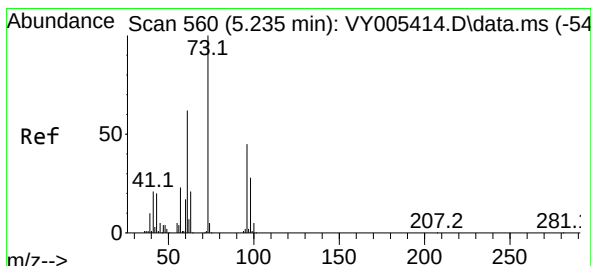
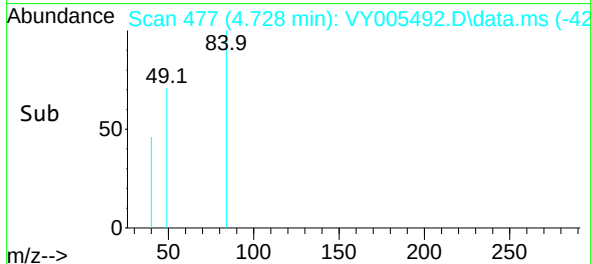
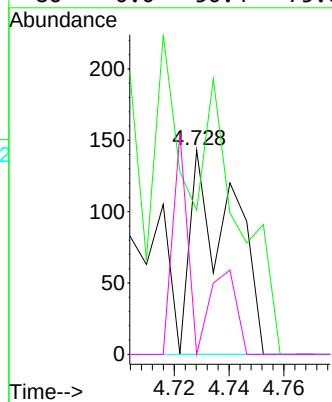


#20
Methylene Chloride
Concen: 5.700 ug/l
RT: 4.728 min Scan# 477
Delta R.T. -0.001 min
Lab File: VY005492.D
Acq: 28 Jul 2021 16:19

Instrument :
MSVOA_Y
ClientSampled :

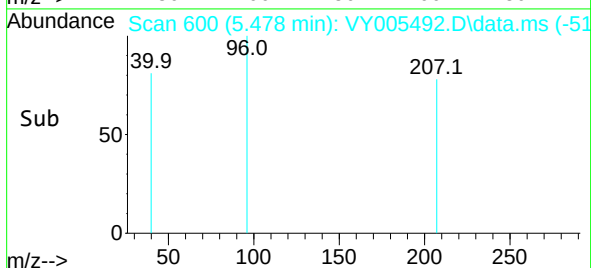
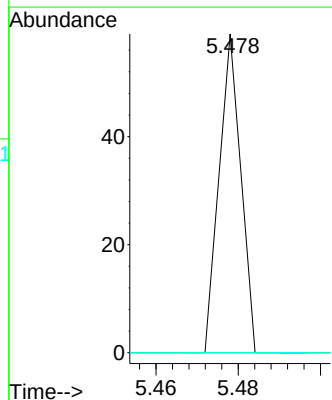
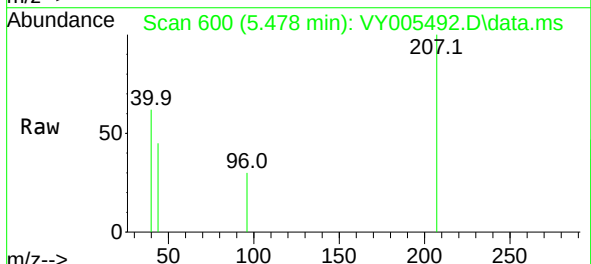


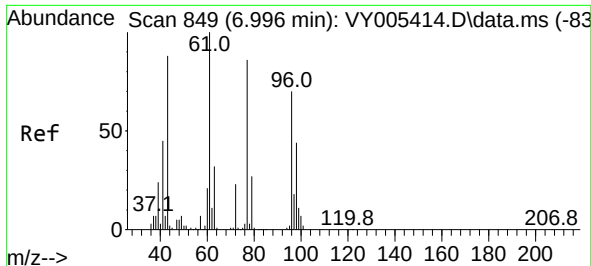
Tgt Ion: 84	Resp: 151
Ion Ratio	Lower Upper
84	100
49	70.6 98.9 148.3#
51	0.0 30.0 45.0#
86	0.0 50.4 75.6#



#21
trans-1,2-Dichloroethene
Concen: 1.290 ug/l
RT: 5.478 min Scan# 600
Delta R.T. 0.243 min
Lab File: VY005492.D
Acq: 28 Jul 2021 16:19

Tgt Ion: 96	Resp: 22
Ion Ratio	Lower Upper
96	100
61	0.0 110.7 166.1#
98	0.0 50.1 75.1#





#27

cis-1,2-Dichloroethene

Concen: 3.124 ug/l

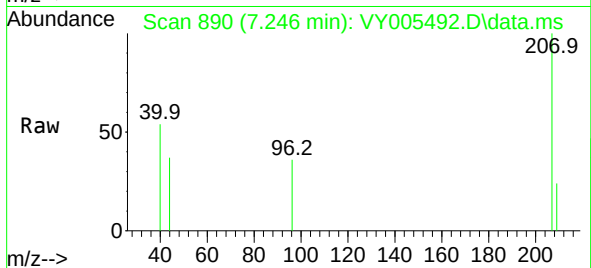
RT: 7.246 min Scan# 890

Delta R.T. 0.250 min

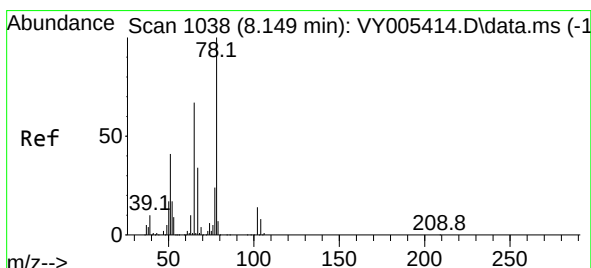
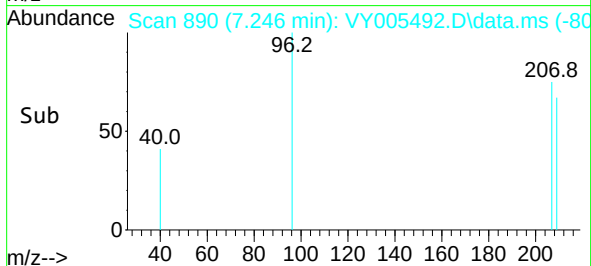
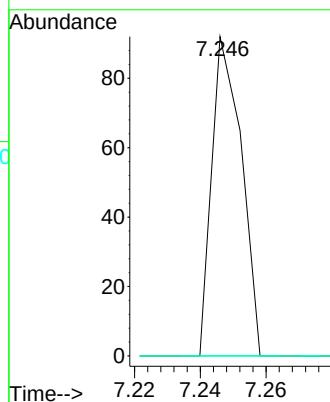
Lab File: VY005492.D

Acq: 28 Jul 2021 16:19

Instrument :
MSVOA_Y
ClientSampled :



Tgt Ion: 96	Resp: 57
Ion Ratio	Lower Upper
96 100	
61 0.0	0.0 296.6
98 0.0	0.0 127.8



#33

1,2-Dichloroethane-d4

Concen: 59.003 ug/l

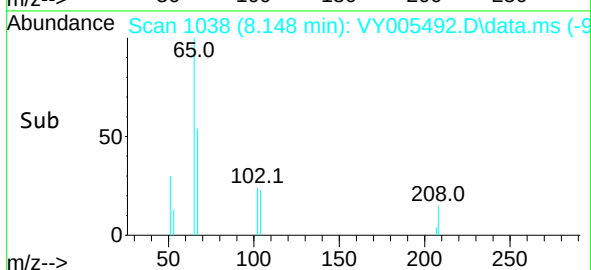
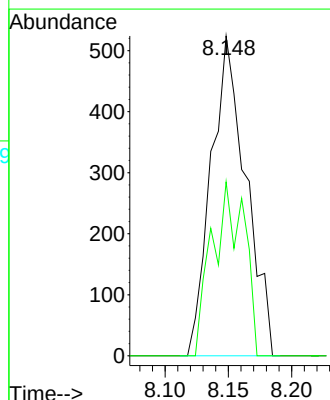
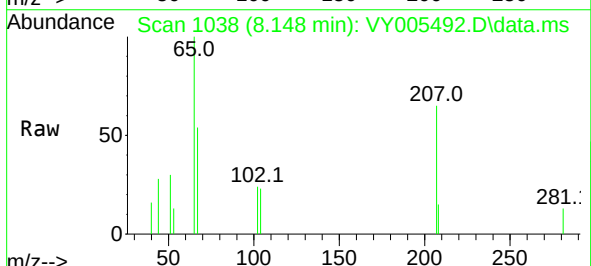
RT: 8.148 min Scan# 1038

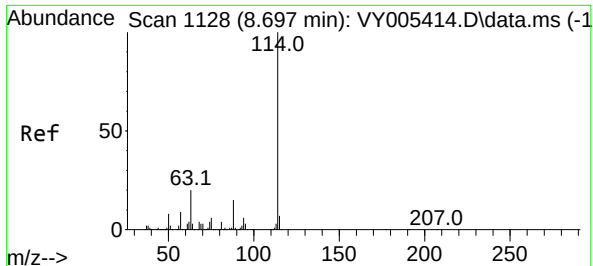
Delta R.T. -0.000 min

Lab File: VY005492.D

Acq: 28 Jul 2021 16:19

Tgt Ion: 65	Resp: 1001
Ion Ratio	Lower Upper
65 100	
67 50.2	0.0 102.2

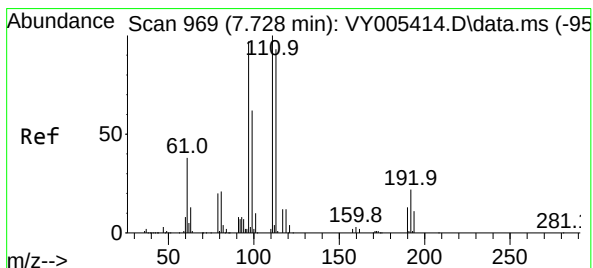
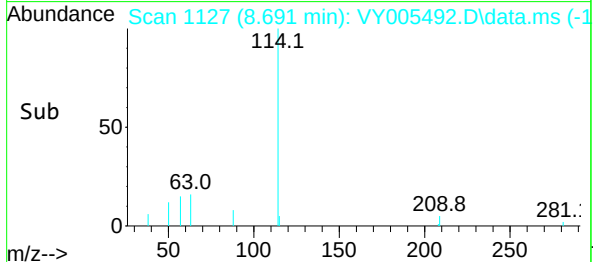
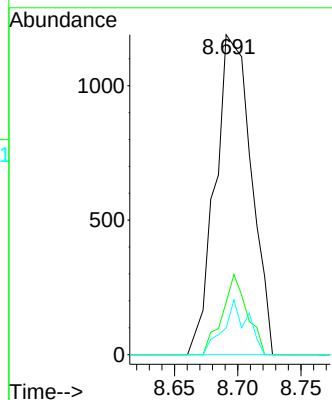
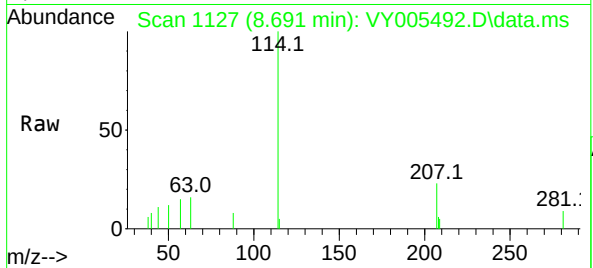




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VY005492.D
Acq: 28 Jul 2021 16:19

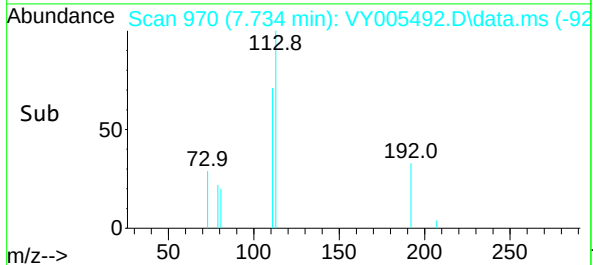
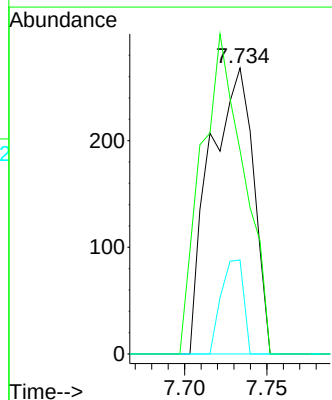
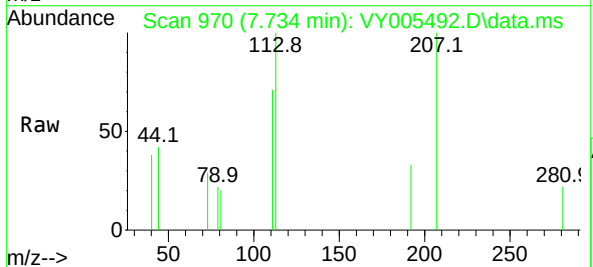
Instrument :
MSVOA_Y
ClientSampleId :

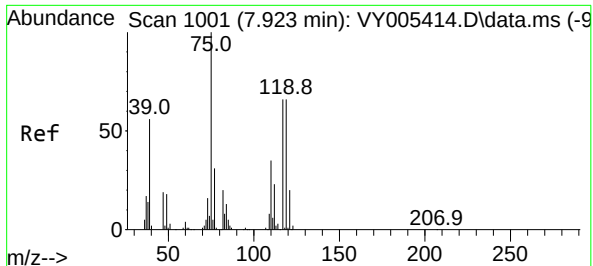
Tgt Ion:	114	Resp:	2360
Ion	Ratio	Lower	Upper
114	100		
63	16.3	0.0	39.0
88	8.3	0.0	30.8



#35
Dibromofluoromethane
Concen: 36.105 ug/l
RT: 7.734 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY005492.D
Acq: 28 Jul 2021 16:19

Tgt Ion:	113	Resp:	492
Ion	Ratio	Lower	Upper
113	100		
111	109.6	82.6	124.0
192	16.9	18.9	28.3

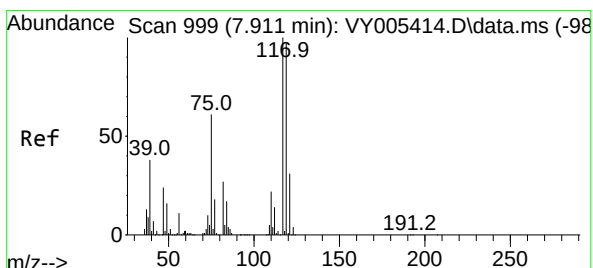
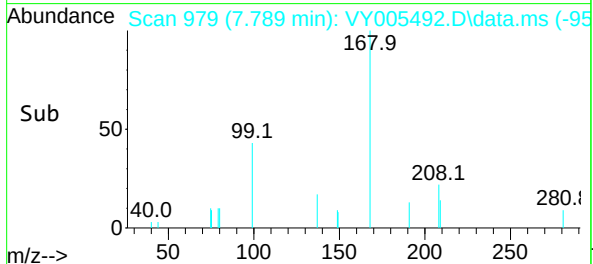
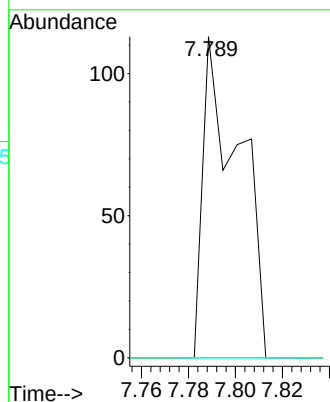
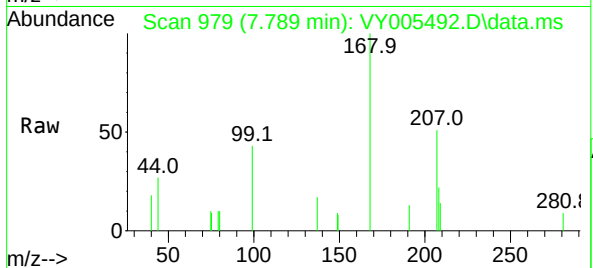




#36
1,1-Dichloropropene
Concen: 5.303 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.135 min
Lab File: VY005492.D
Acq: 28 Jul 2021 16:19

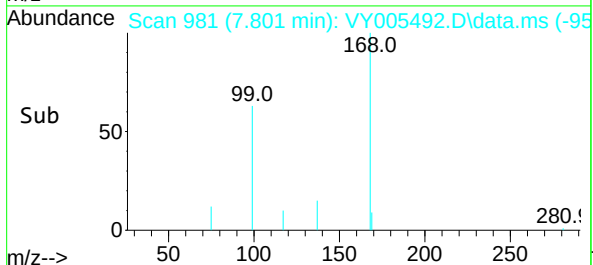
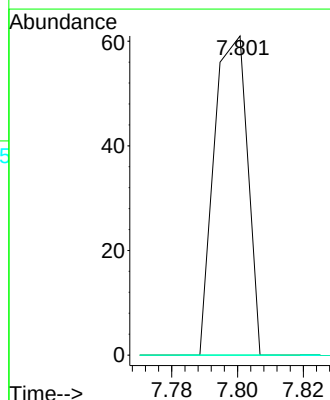
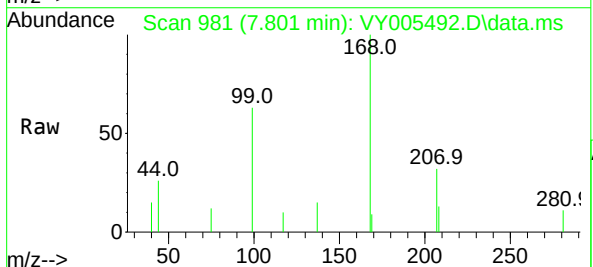
Instrument :
MSVOA_Y
ClientSampled :

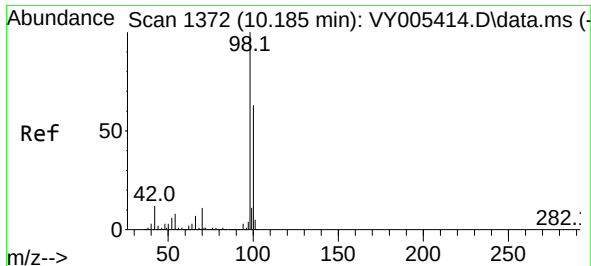
Tgt Ion: 75 Resp: 121
Ion Ratio Lower Upper
75 100
110 0.0 17.6 52.9#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 1.724 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY005492.D
Acq: 28 Jul 2021 16:19

Tgt Ion: 117 Resp: 43
Ion Ratio Lower Upper
117 100
119 0.0 77.2 115.8#
121 0.0 25.1 37.7#

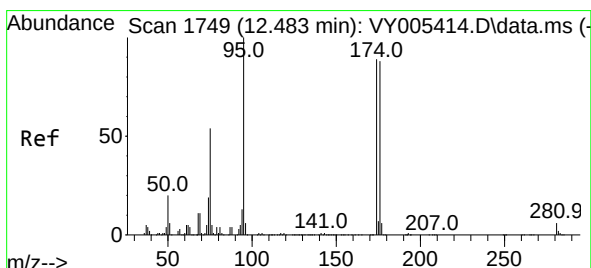
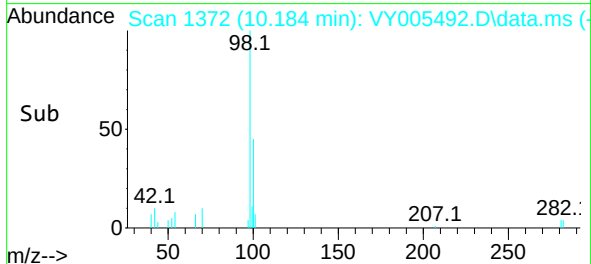
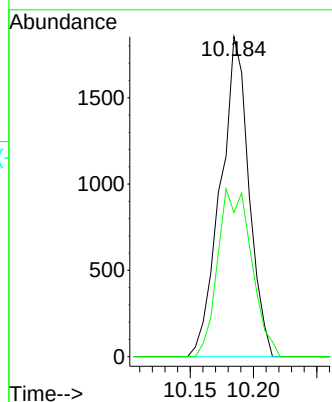
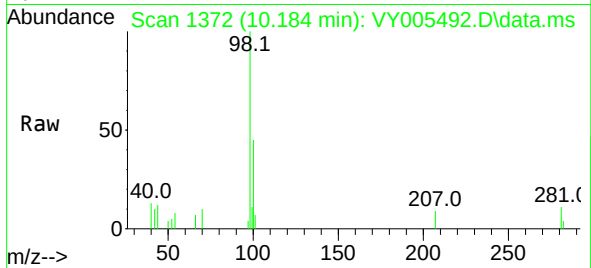




#50
Toluene-d8
Concen: 50.160 ug/l
RT: 10.184 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY005492.D
Acq: 28 Jul 2021 16:19

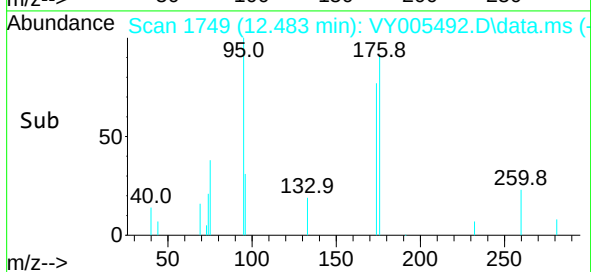
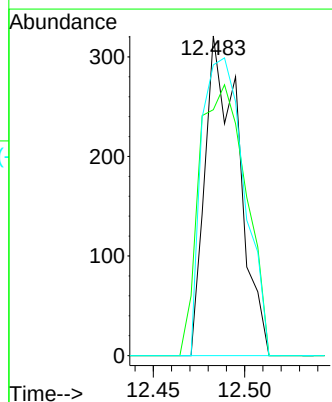
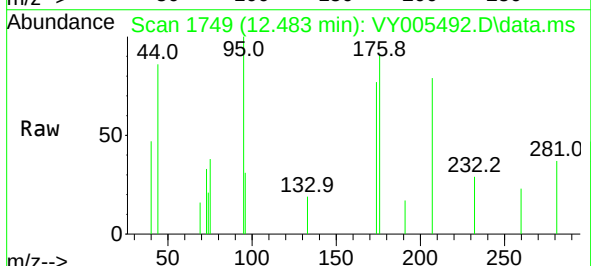
Instrument :
MSVOA_Y
ClientSampleId :

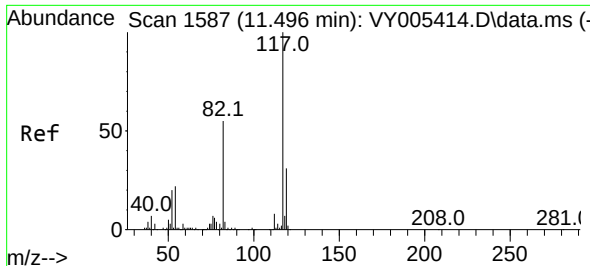
Tgt Ion: 98 Resp: 2897
Ion Ratio Lower Upper
98 100
100 62.0 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 21.666 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY005492.D
Acq: 28 Jul 2021 16:19

Tgt Ion: 95 Resp: 413
Ion Ratio Lower Upper
95 100
174 116.9 0.0 186.6
176 117.4 0.0 182.4

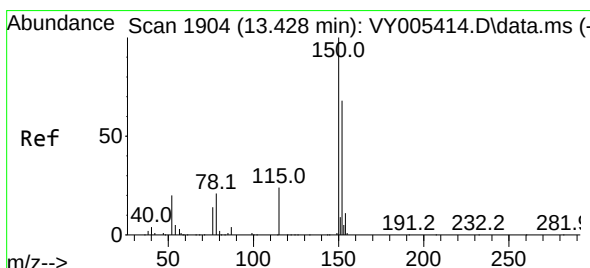
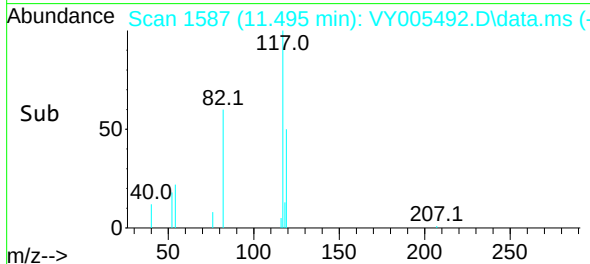
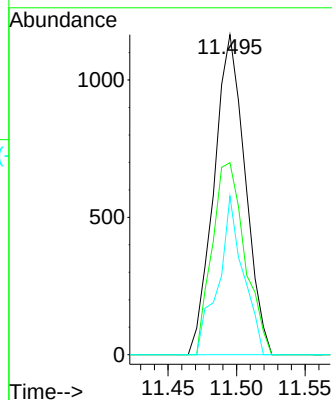
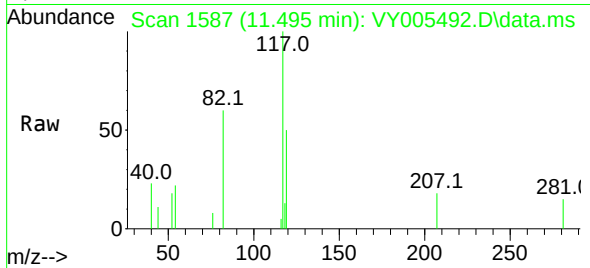




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY005492.D
Acq: 28 Jul 2021 16:19

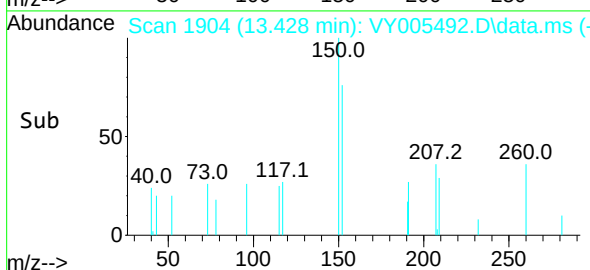
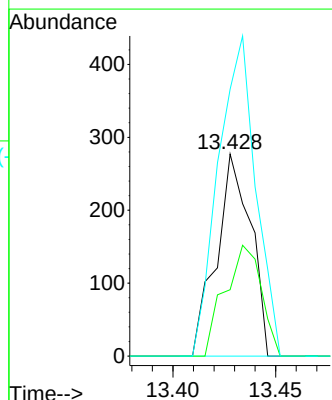
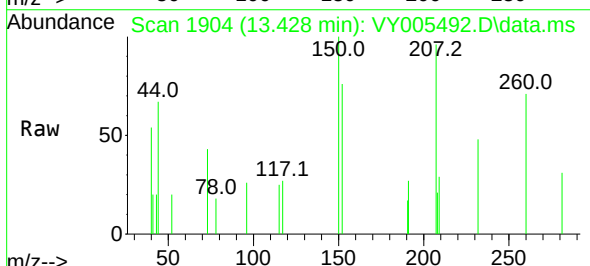
Instrument :
MSVOA_Y
ClientSampleId :

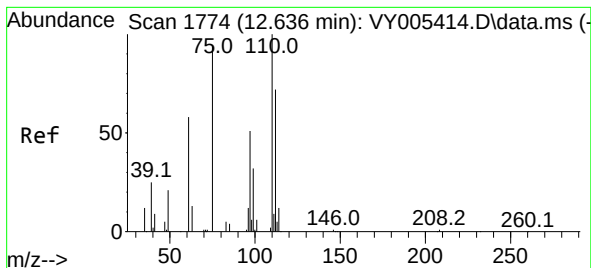
Tgt Ion:117 Resp: 1845
Ion Ratio Lower Upper
117 100
82 60.0 43.8 65.6
119 49.5 24.8 37.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY005492.D
Acq: 28 Jul 2021 16:19

Tgt Ion:152 Resp: 321
Ion Ratio Lower Upper
152 100
115 58.3 27.7 83.1
150 172.9 0.0 349.6

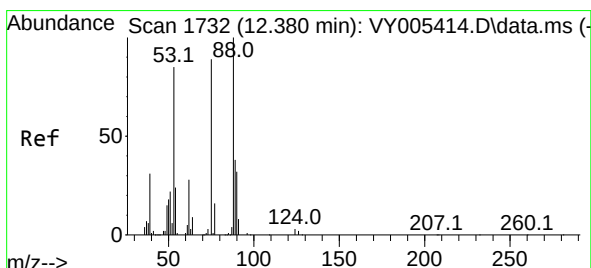
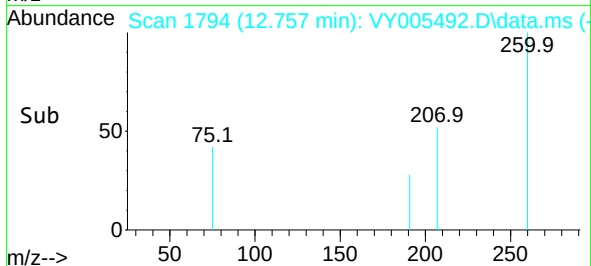
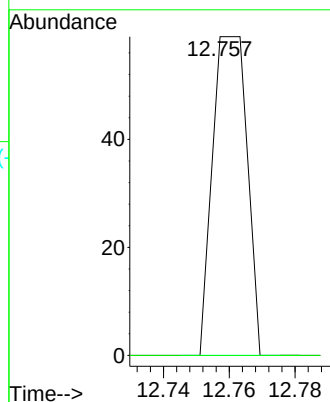
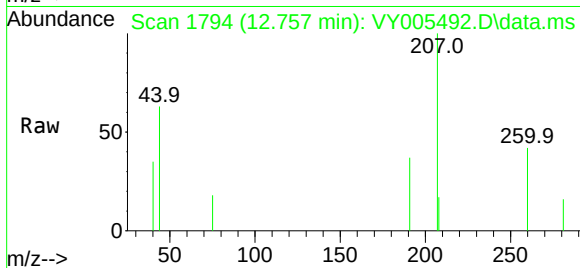




#76
1,2,3-Trichloropropane
Concen: 13.614 ug/l
RT: 12.757 min Scan# 1794
Delta R.T. 0.122 min
Lab File: VY005492.D
Acq: 28 Jul 2021 16:19

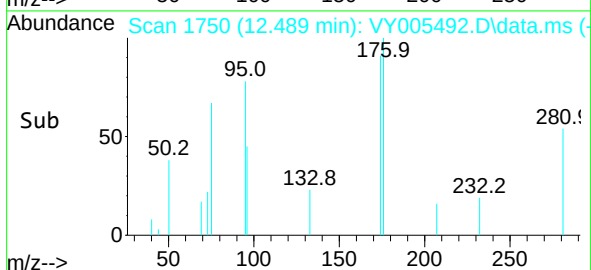
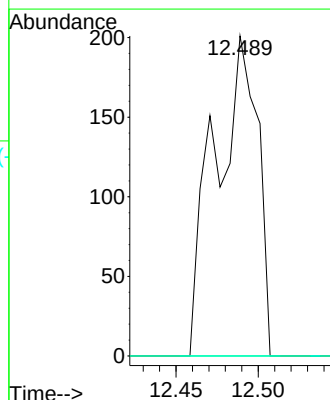
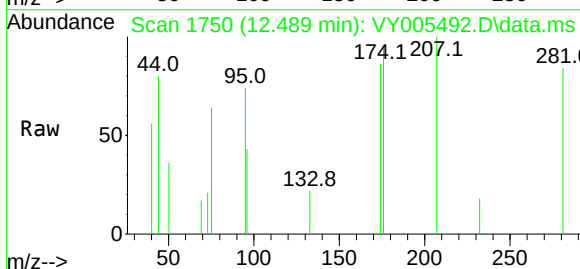
Instrument :
MSVOA_Y
ClientSampled :

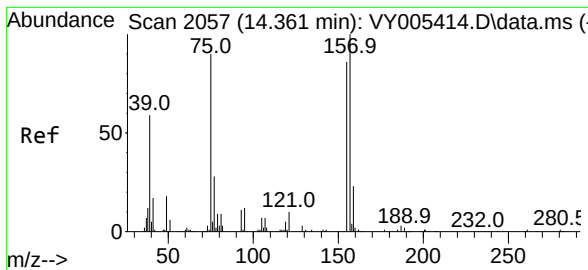
Tgt Ion: 75 Resp: 43
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 223.153 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.109 min
Lab File: VY005492.D
Acq: 28 Jul 2021 16:19

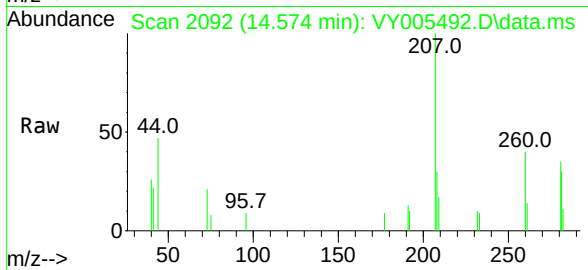
Tgt Ion: 75 Resp: 363
Ion Ratio Lower Upper
75 100
53 0.0 76.1 114.1#
89 0.0 36.9 55.3#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.403 ug/l
 RT: 14.574 min Scan# 2092
 Delta R.T. 0.213 min
 Lab File: VY005492.D
 Acq: 28 Jul 2021 16:19

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75	Resp:	20
Ion Ratio	Lower	Upper
75	100	
155	0.0	43.6 130.8#
157	0.0	54.1 162.3#

