

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091521\
 Data File : VY006028.D
 Acq On : 15 Sep 2021 16:50
 Operator : SY/MD
 Sample : M3731-01RE
 Misc : 5.01G/5ML/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

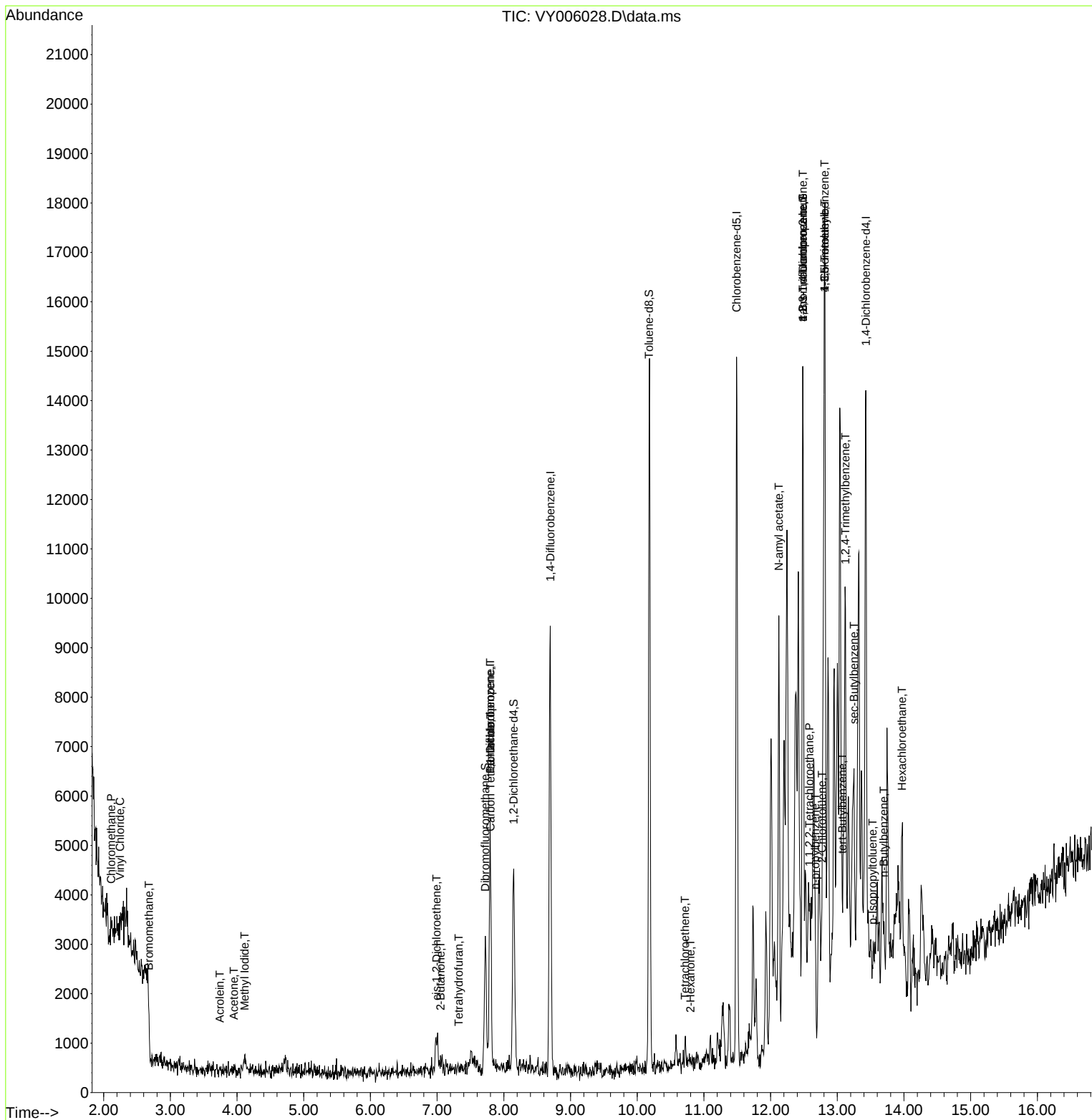
Quant Time: Sep 16 01:23:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091421S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 15 05:01:47 2021
 Response via : Initial Calibration

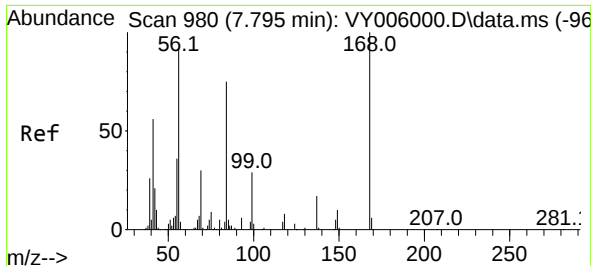
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.795	168	3726	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	7341	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	7543	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	2731	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	3571	68.996	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 138.000%	
35) Dibromofluoromethane	7.722	113	1866	40.924	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 81.840%	
50) Toluene-d8	10.179	98	8822	45.396	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 90.800%	
62) 4-Bromofluorobenzene	12.483	95	3599	54.547	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 109.100%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	138	2.819	ug/l #	44
4) Vinyl Chloride	2.247	62	65	1.176	ug/l #	43
5) Bromomethane	2.680	94	43	1.199	ug/l #	71
10) Methyl Iodide	4.113	142	537	14.103	ug/l #	80
13) Acrolein	3.741	56	27	8.682	ug/l #	14
16) Acetone	3.954	43	57	4.015	ug/l #	47
20) Methylene Chloride	4.716	84	177	Below Cal	#	43
25) 2-Butanone	7.051	43	21	1.073	ug/l #	54
27) cis-1,2-Dichloroethene	6.990	96	172	3.696	ug/l	64
29) Tetrahydrofuran	7.325	42	19	1.545	ug/l #	38
36) 1,1-Dichloropropene	7.795	75	288	3.635	ug/l #	42
38) Carbon Tetrachloride	7.801	117	414	4.800	ug/l #	11
59) 2-Hexanone	10.800	43	175	4.664	ug/l #	28
64) Tetrachloroethene	10.715	164	137	2.221	ug/l #	58
74) N-amyl acetate	12.123	43	1911	25.877	ug/l #	77
75) 1,1,2,2-Tetrachloroethane	12.581	83	98	2.463	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	1963	67.416	ug/l #	100
78) n-propylbenzene	12.672	91	1461	5.522	ug/l	82
79) 2-Chlorotoluene	12.770	91	152	1.057	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.812	105	1430	8.063	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.483	75	1963	123.945	ug/l #	12
82) 4-Chlorotoluene	12.812	91	388	2.609	ug/l #	41
83) tert-Butylbenzene	13.074	119	297	1.958	ug/l #	78
84) 1,2,4-Trimethylbenzene	13.123	105	3528	20.050	ug/l	98
85) sec-Butylbenzene	13.251	105	1308	5.760	ug/l #	49
86) p-Isopropyltoluene	13.532	119	326	1.682	ug/l	90
89) n-Butylbenzene	13.696	91	1182	6.520	ug/l #	61
90) Hexachloroethane	13.971	117	117	3.354	ug/l #	6

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

Quant Time: Sep 16 01:23:44 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091421S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 15 05:01:47 2021
Response via : Initial Calibration

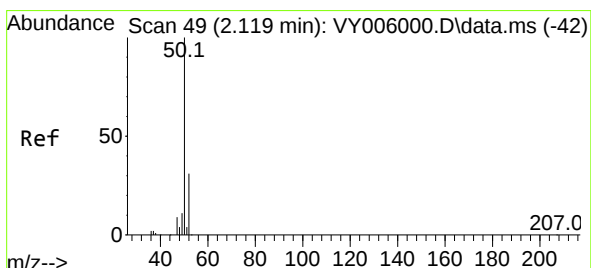
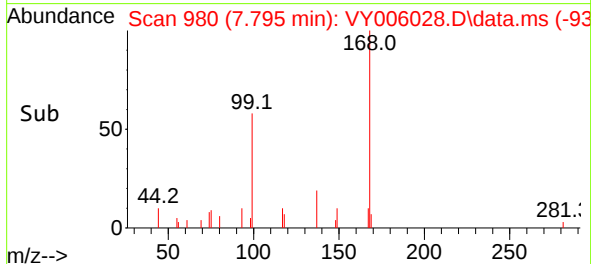
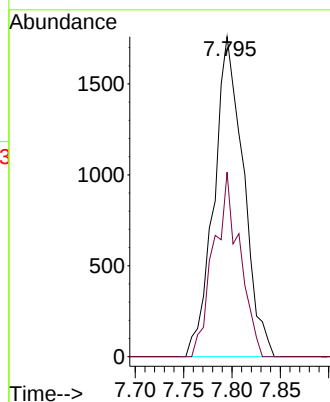
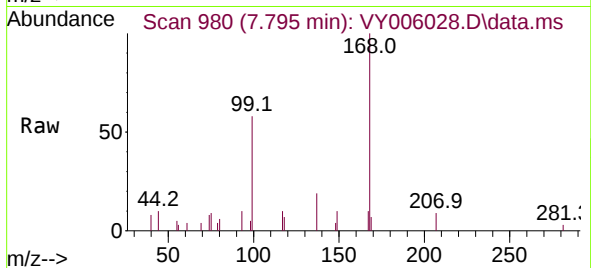




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.000 min
Lab File: VY006028.D
Acq: 15 Sep 2021 16:50

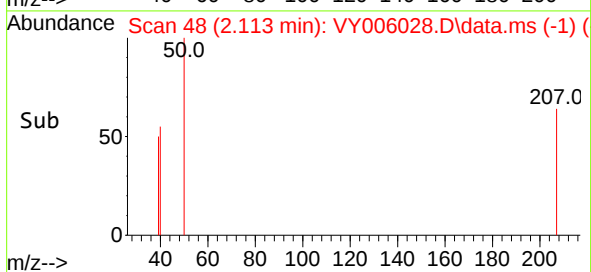
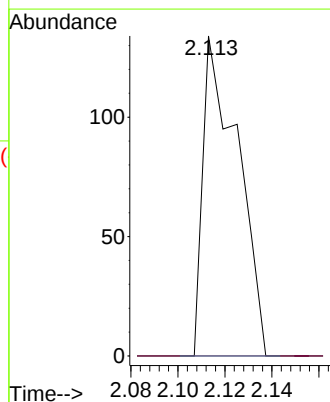
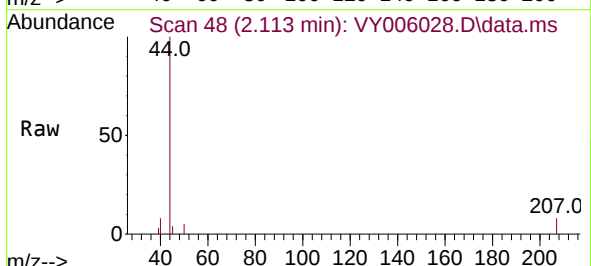
Instrument :
MSVOA_Y
ClientSampled :

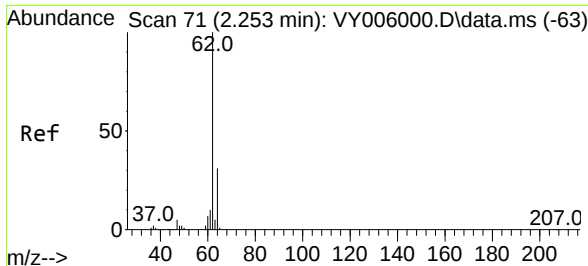
Tgt Ion:168 Resp: 3726
Ion Ratio Lower Upper
168 100
99 57.7 46.9 70.3



#3
Chloromethane
Concen: 2.819 ug/l
RT: 2.113 min Scan# 48
Delta R.T. -0.006 min
Lab File: VY006028.D
Acq: 15 Sep 2021 16:50

Tgt Ion: 50 Resp: 138
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

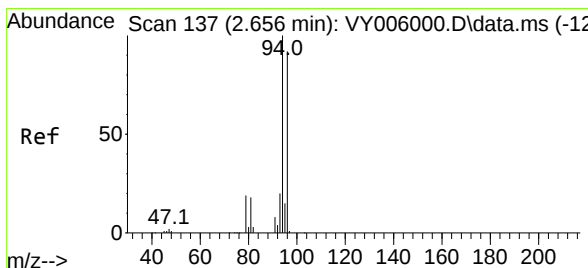
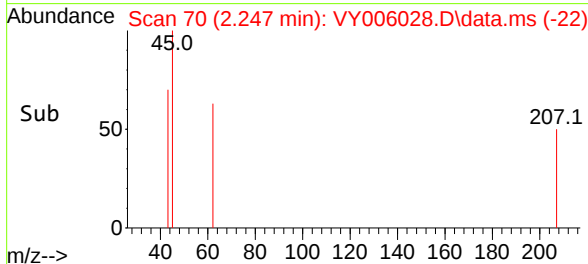
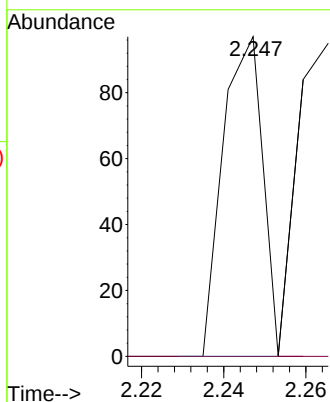
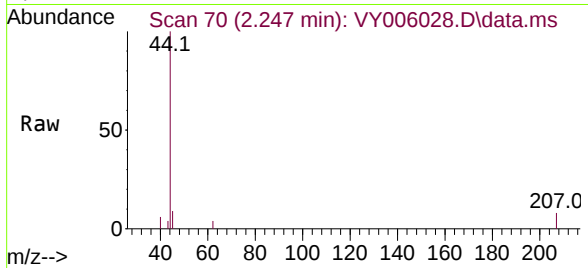




#4
 Vinyl Chloride
 Concen: 1.176 ug/l
 RT: 2.247 min Scan# 70
 Delta R.T. -0.006 min
 Lab File: VY006028.D
 Acq: 15 Sep 2021 16:50

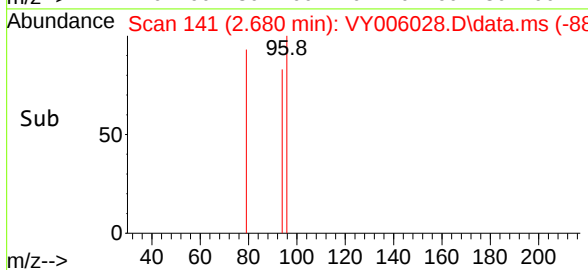
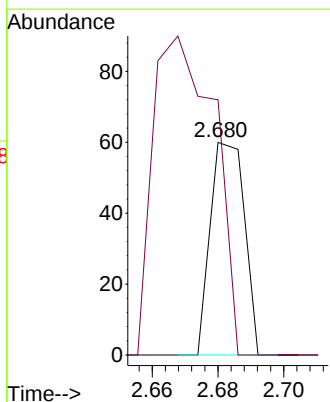
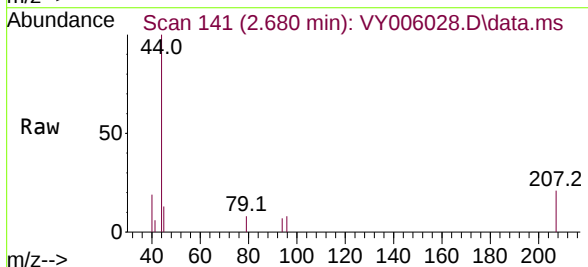
Instrument :
 MSVOA_Y
 ClientSampled :

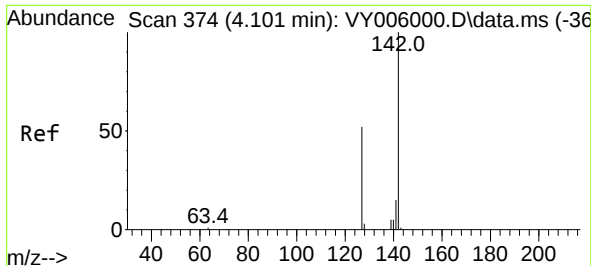
Tgt Ion: 62 Resp: 65
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#5
 Bromomethane
 Concen: 1.199 ug/l
 RT: 2.680 min Scan# 141
 Delta R.T. 0.024 min
 Lab File: VY006028.D
 Acq: 15 Sep 2021 16:50

Tgt Ion: 94 Resp: 43
 Ion Ratio Lower Upper
 94 100
 96 120.0 73.5 110.3#





#10

Methyl Iodide

Concen: 14.103 ug/l

RT: 4.113 min Scan# 376

Delta R.T. 0.012 min

Lab File: VY006028.D

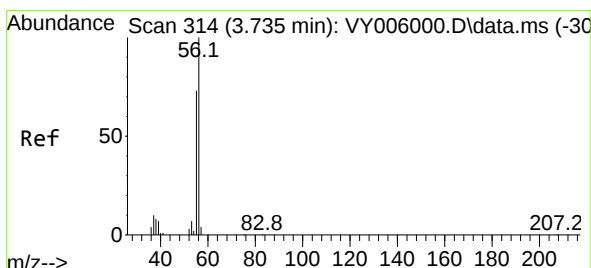
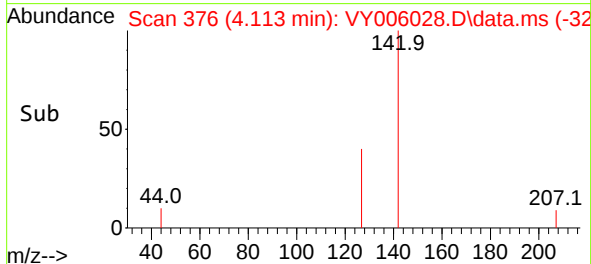
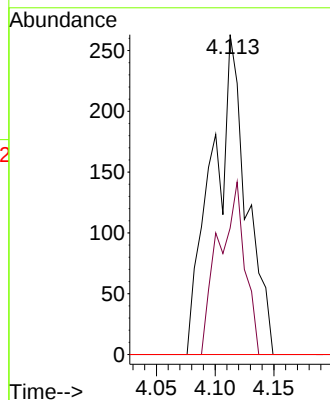
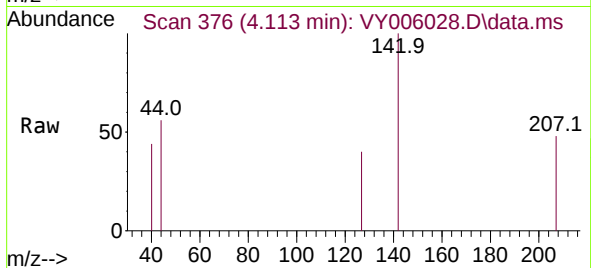
Acq: 15 Sep 2021 16:50

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	142	Resp:	537
Ion	Ratio	Lower	Upper
142	100		
127	41.2	41.5	62.3#
141	0.0	11.9	17.9#



#13

Acrolein

Concen: 8.682 ug/l

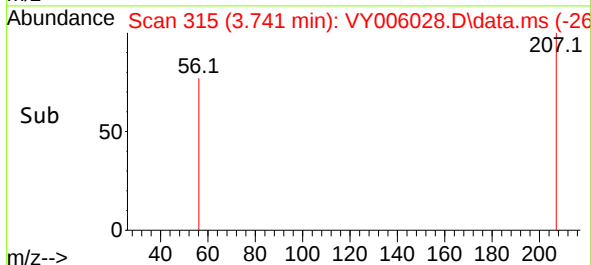
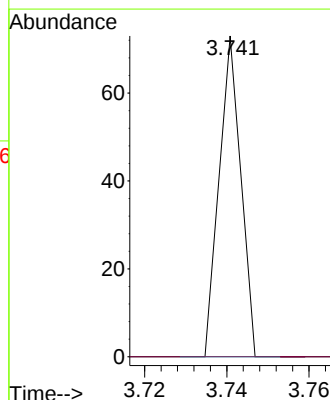
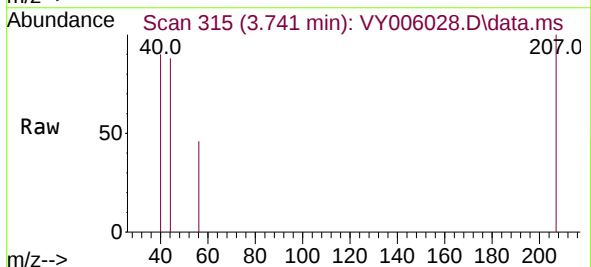
RT: 3.741 min Scan# 315

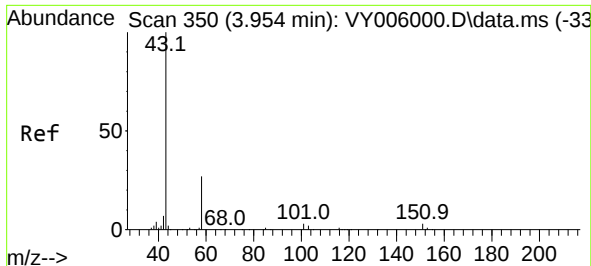
Delta R.T. 0.006 min

Lab File: VY006028.D

Acq: 15 Sep 2021 16:50

Tgt Ion:	56	Resp:	27
Ion	Ratio	Lower	Upper
56	100		
55	0.0	57.6	86.4#

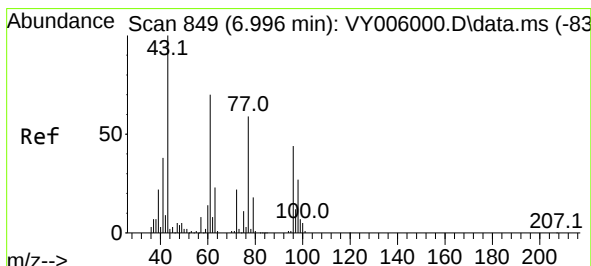
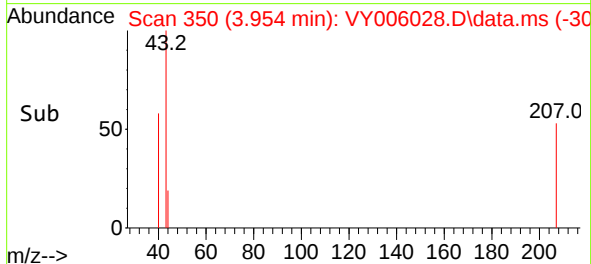
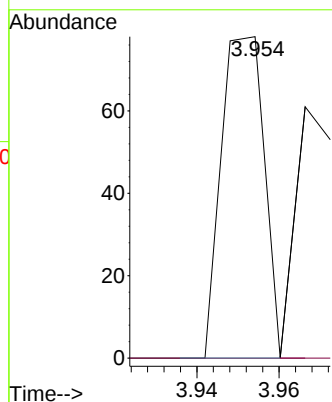
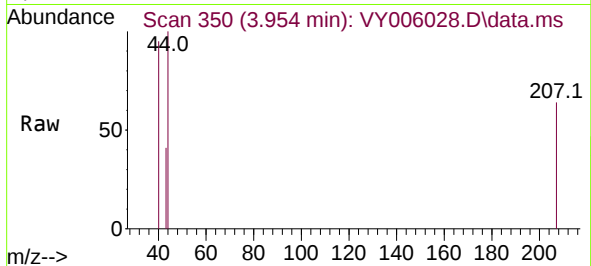




#16
Acetone
Concen: 4.015 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.000 min
Lab File: VY006028.D
Acq: 15 Sep 2021 16:50

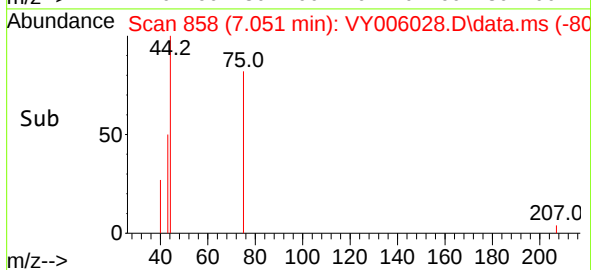
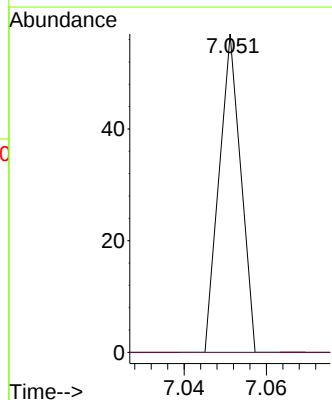
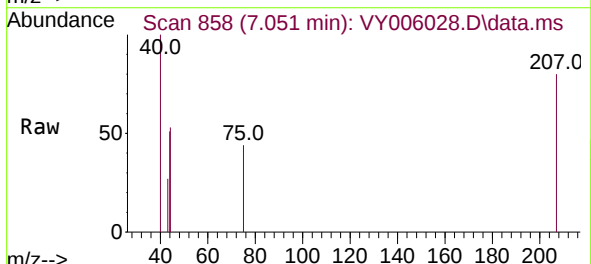
Instrument :
MSVOA_Y
ClientSampled :

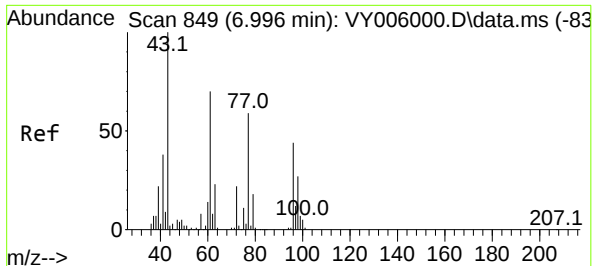
Tgt Ion: 43 Resp: 57
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#



#25
2-Butanone
Concen: 1.073 ug/l
RT: 7.051 min Scan# 858
Delta R.T. 0.055 min
Lab File: VY006028.D
Acq: 15 Sep 2021 16:50

Tgt Ion: 43 Resp: 21
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#





#27

cis-1,2-Dichloroethene

Concen: 3.696 ug/l

RT: 6.990 min Scan# 848

Delta R.T. -0.006 min

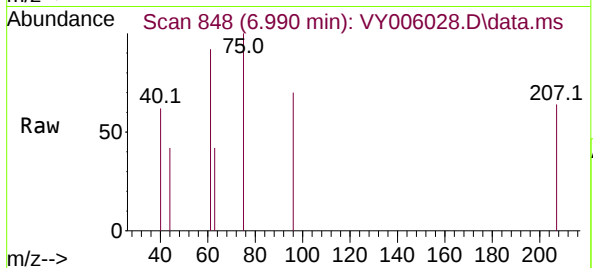
Lab File: VY006028.D

Acq: 15 Sep 2021 16:50

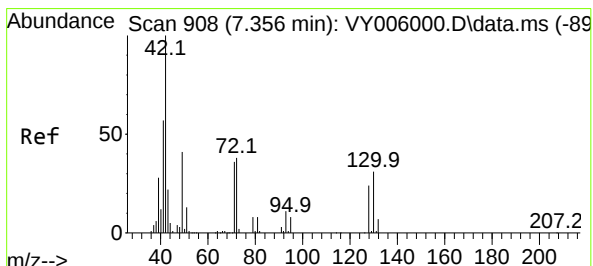
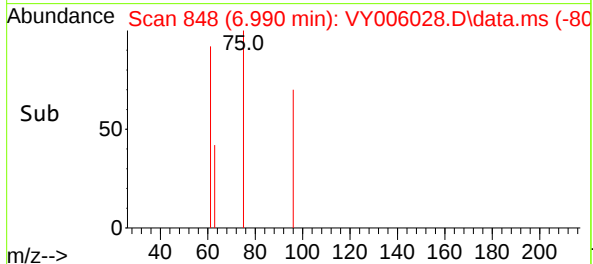
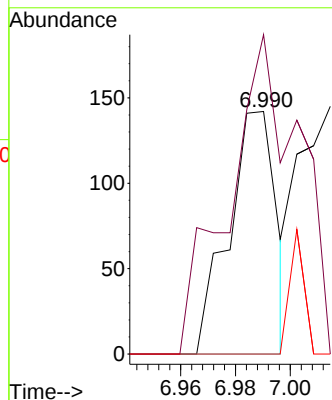
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	96	Resp:	172
Ion	Ratio	Lower	Upper
96	100		
61	193.6	0.0	319.8
98	15.7	0.0	127.0



#29

Tetrahydrofuran

Concen: 1.545 ug/l

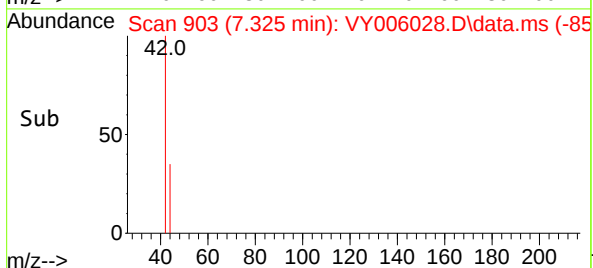
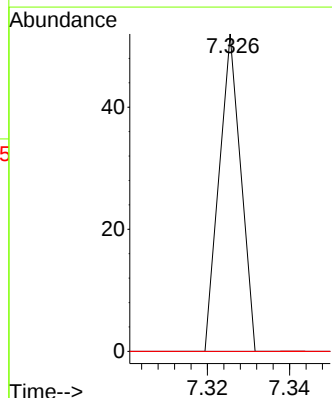
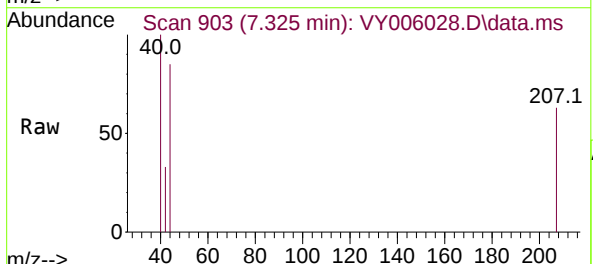
RT: 7.325 min Scan# 903

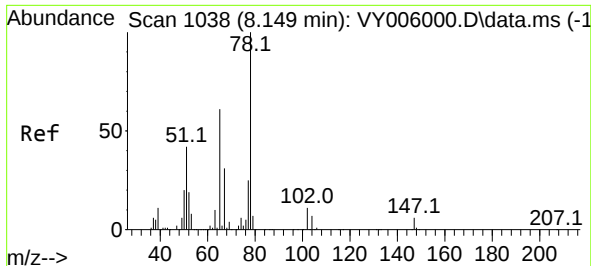
Delta R.T. -0.031 min

Lab File: VY006028.D

Acq: 15 Sep 2021 16:50

Tgt Ion:	42	Resp:	19
Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.3	45.5#
71	0.0	29.0	43.4#

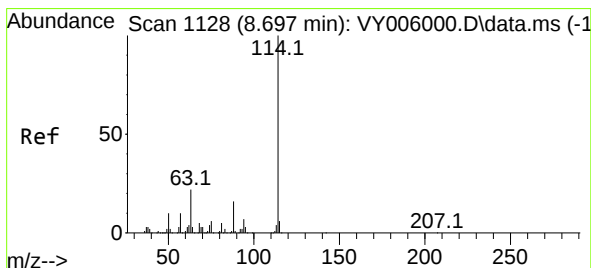
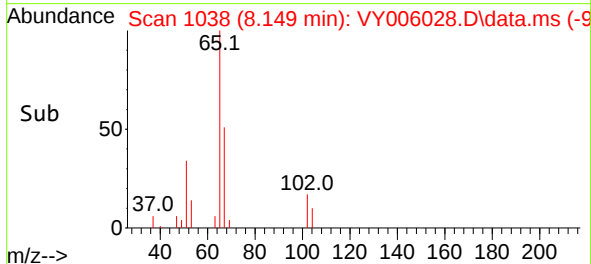
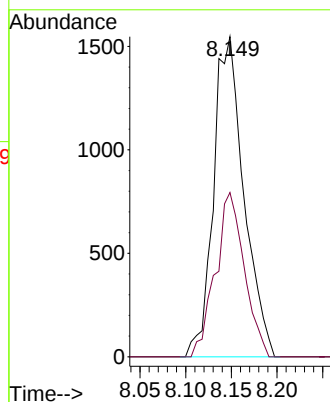
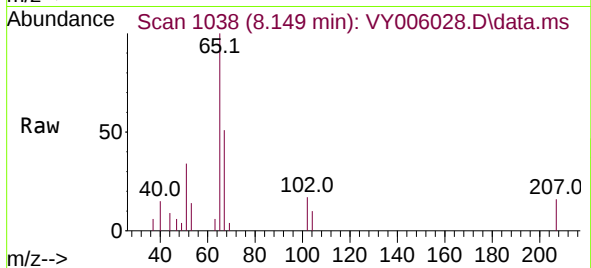




#33
1,2-Dichloroethane-d4
Concen: 68.996 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY006028.D
Acq: 15 Sep 2021 16:50

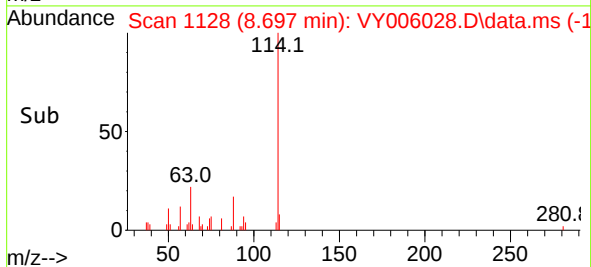
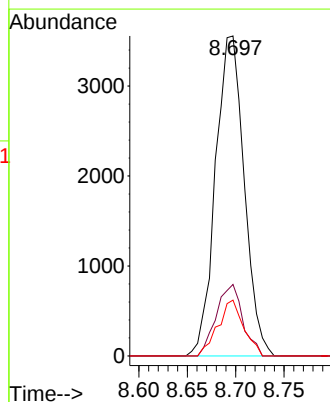
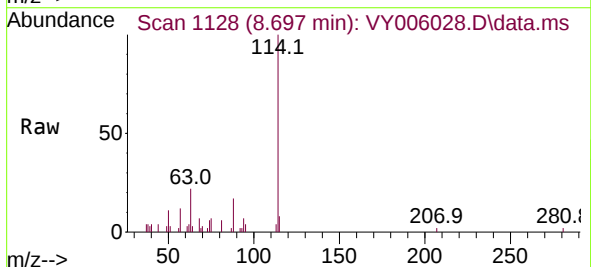
Instrument :
MSVOA_Y
ClientSampled :

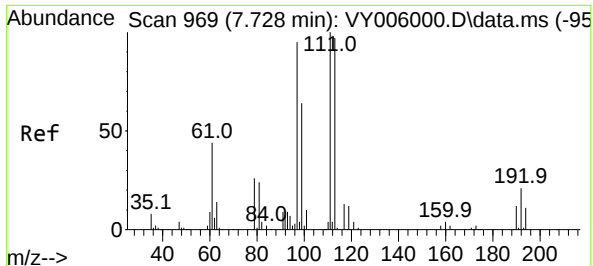
Tgt Ion: 65 Resp: 3571
Ion Ratio Lower Upper
65 100
67 48.7 0.0 99.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VY006028.D
Acq: 15 Sep 2021 16:50

Tgt Ion:114 Resp: 7341
Ion Ratio Lower Upper
114 100
63 22.3 0.0 43.2
88 17.4 0.0 31.8

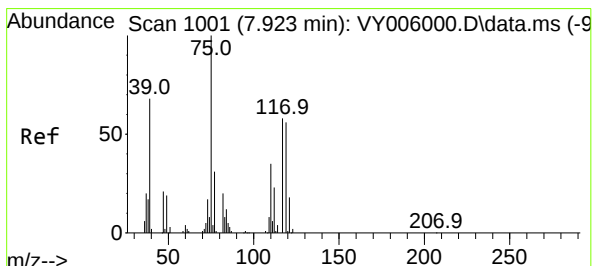
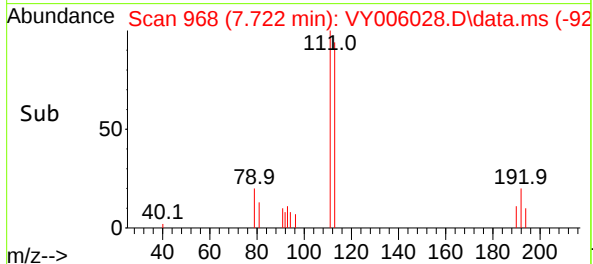
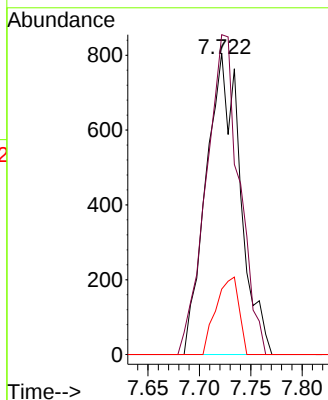
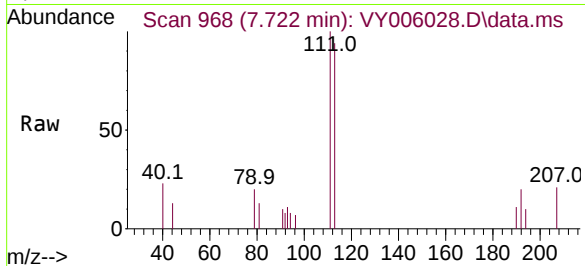




#35
Dibromofluoromethane
Concen: 40.924 ug/l
RT: 7.722 min Scan# 968
Delta R.T. -0.006 min
Lab File: VY006028.D
Acq: 15 Sep 2021 16:50

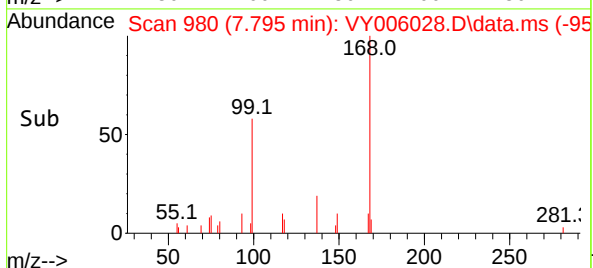
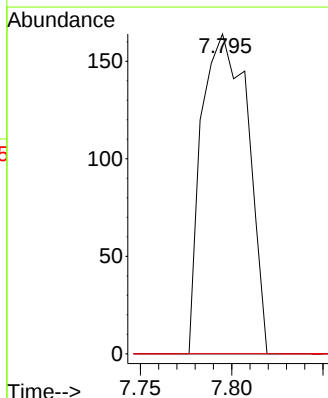
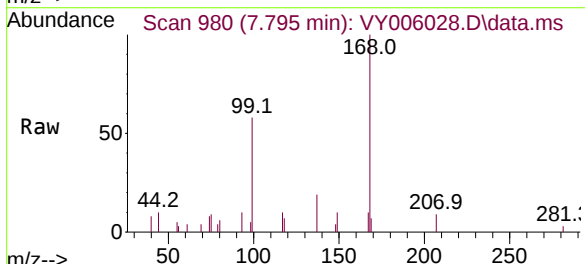
Instrument :
MSVOA_Y
ClientSampleId :

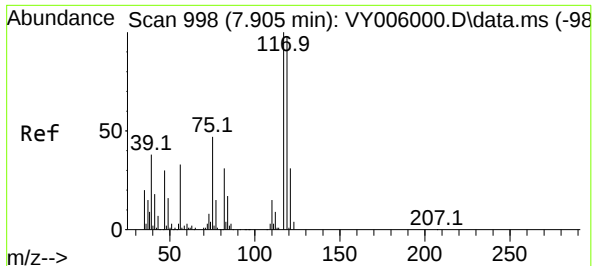
Tgt Ion:113 Resp: 1866
Ion Ratio Lower Upper
113 100
111 102.7 82.6 124.0
192 17.1 17.6 26.4#



#36
1,1-Dichloropropene
Concen: 3.635 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY006028.D
Acq: 15 Sep 2021 16:50

Tgt Ion: 75 Resp: 288
Ion Ratio Lower Upper
75 100
110 0.0 17.1 51.2#
77 0.0 24.4 36.6#

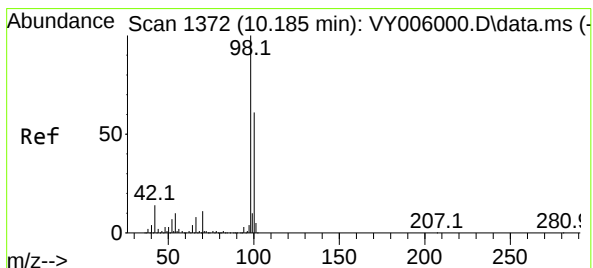
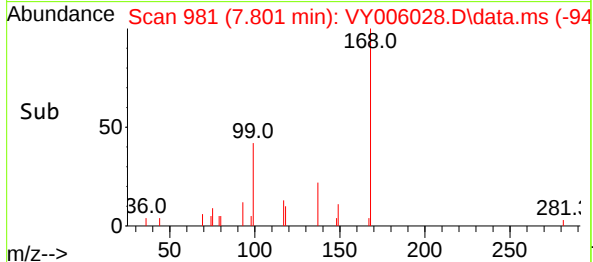
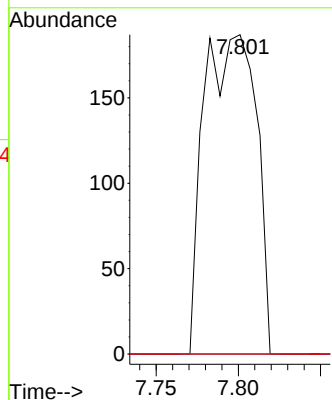
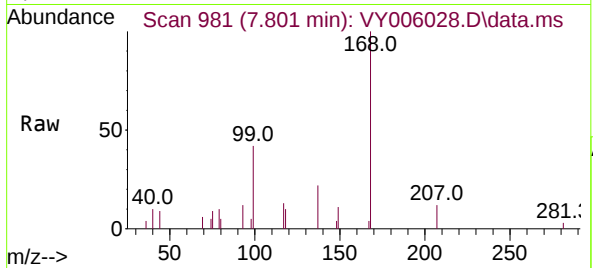




#38
Carbon Tetrachloride
Concen: 4.800 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.104 min
Lab File: VY006028.D
Acq: 15 Sep 2021 16:50

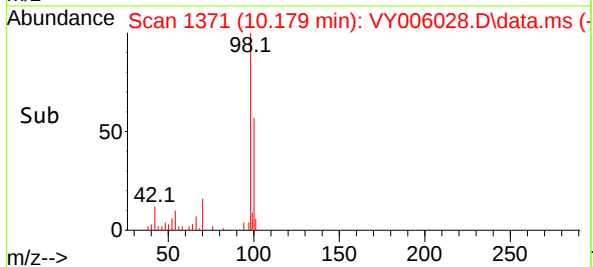
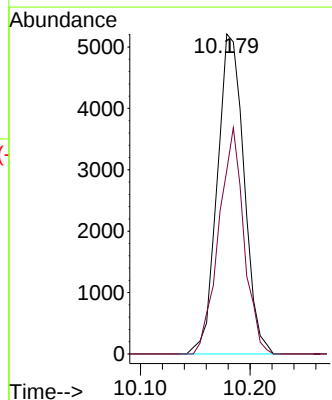
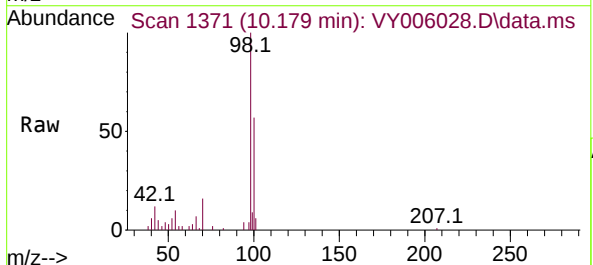
Instrument :
MSVOA_Y
ClientSampled :

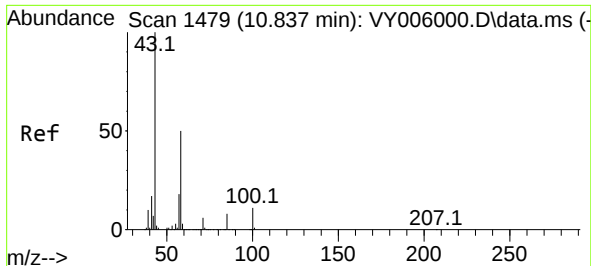
Tgt Ion:117 Resp: 414
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 45.396 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY006028.D
Acq: 15 Sep 2021 16:50

Tgt Ion: 98 Resp: 8822
Ion Ratio Lower Upper
98 100
100 66.6 50.2 75.2

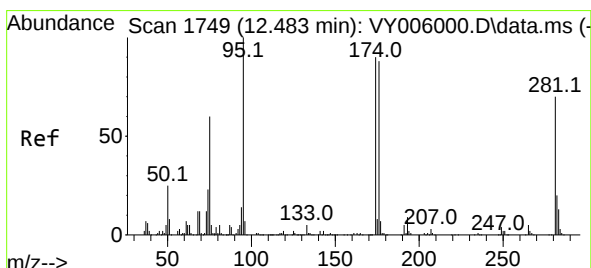
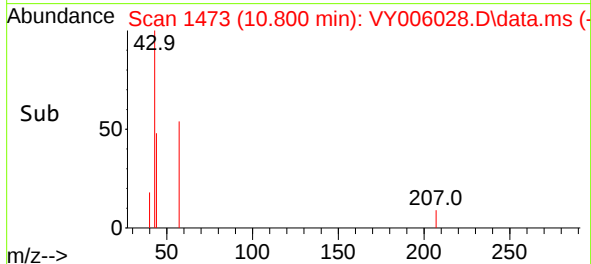
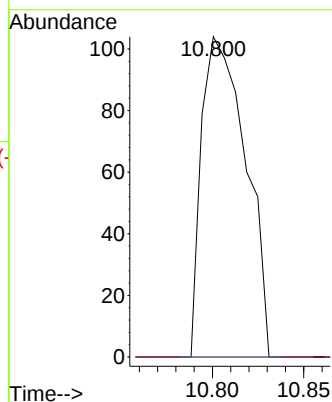
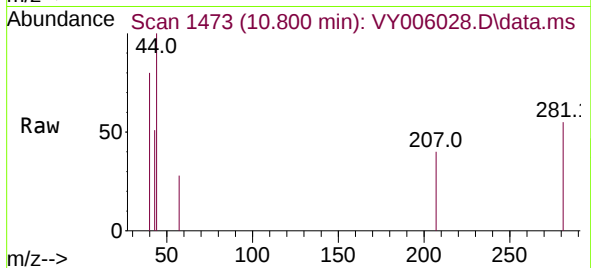




#59
2-Hexanone
Concen: 4.664 ug/l
RT: 10.800 min Scan# 1473
Delta R.T. -0.037 min
Lab File: VY006028.D
Acq: 15 Sep 2021 16:50

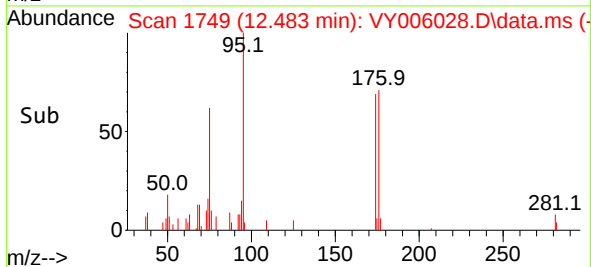
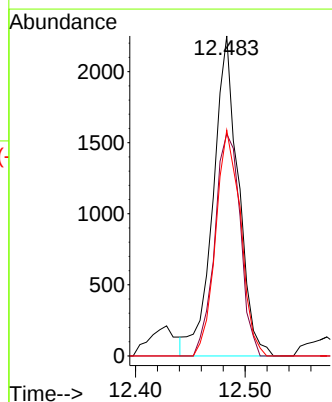
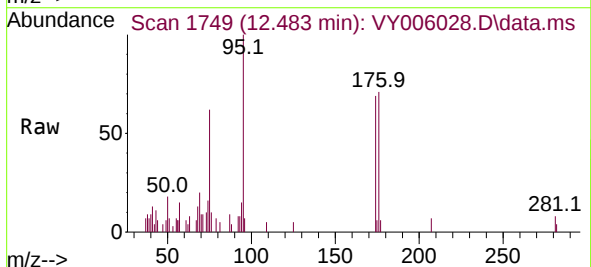
Instrument :
MSVOA_Y
ClientSampled :

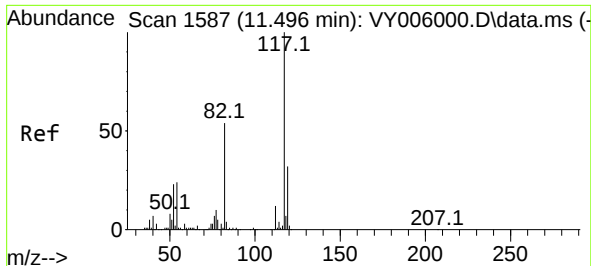
Tgt Ion: 43 Resp: 175
Ion Ratio Lower Upper
43 100
58 0.0 24.4 73.4#



#62
4-Bromofluorobenzene
Concen: 54.547 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY006028.D
Acq: 15 Sep 2021 16:50

Tgt Ion: 95 Resp: 3599
Ion Ratio Lower Upper
95 100
174 70.4 0.0 177.0
176 69.4 0.0 175.8

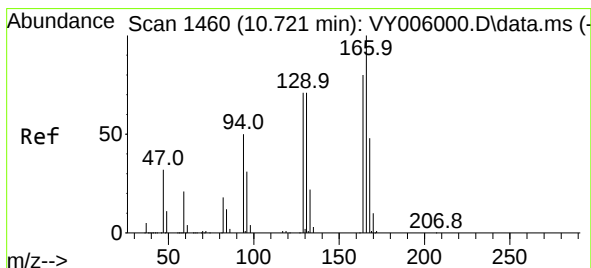
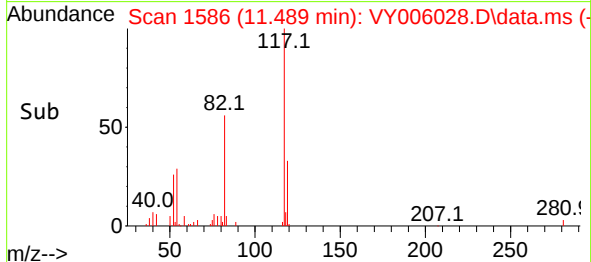
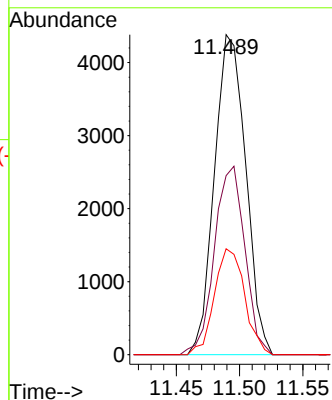
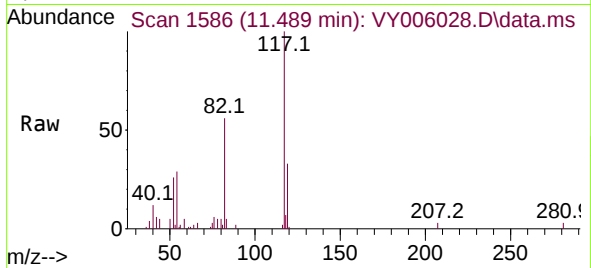




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY006028.D
Acq: 15 Sep 2021 16:50

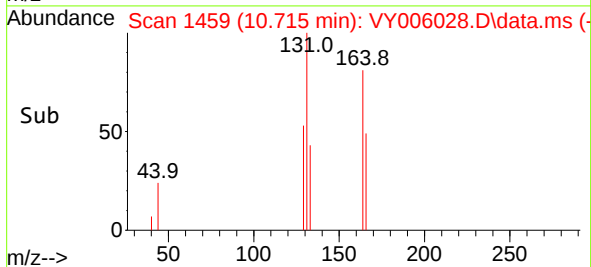
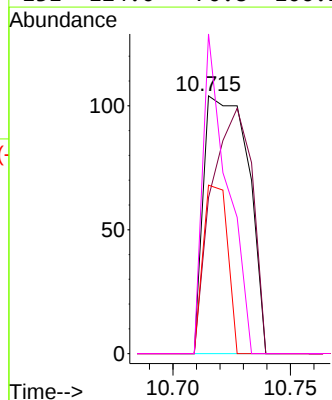
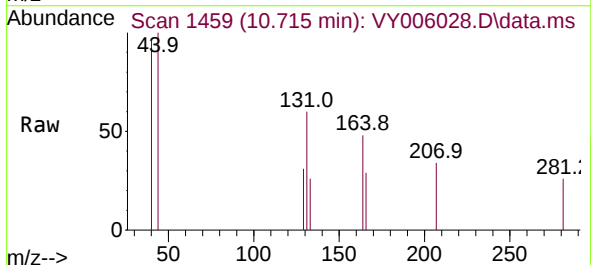
Instrument :
MSVOA_Y
ClientSampleId :

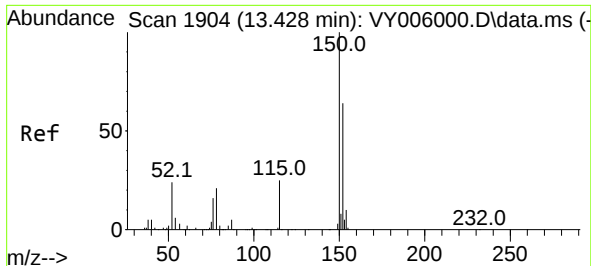
Tgt Ion:117	Resp:	7543
Ion	Ratio	Lower Upper
117	100	
82	55.9	43.0 64.4
119	33.1	25.4 38.0



#64
Tetrachloroethene
Concen: 2.221 ug/l
RT: 10.715 min Scan# 1459
Delta R.T. -0.006 min
Lab File: VY006028.D
Acq: 15 Sep 2021 16:50

Tgt Ion:164	Resp:	137
Ion	Ratio	Lower Upper
164	100	
166	60.6	100.4 150.6#
129	65.4	71.4 107.0#
131	124.0	70.8 106.2#

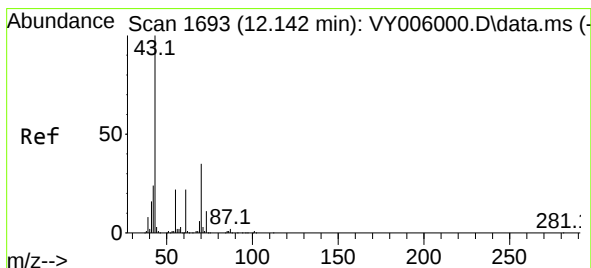
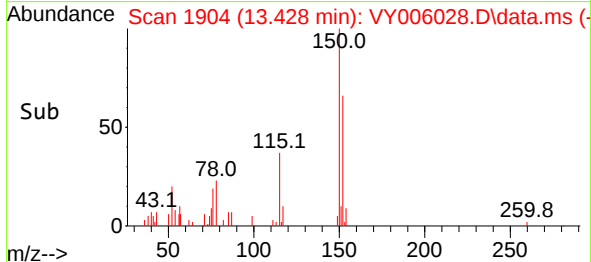
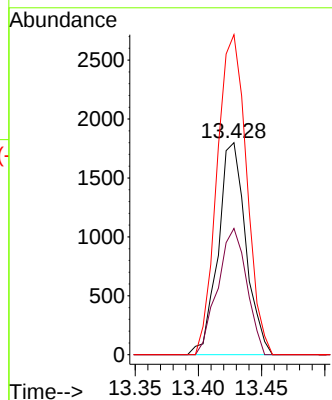
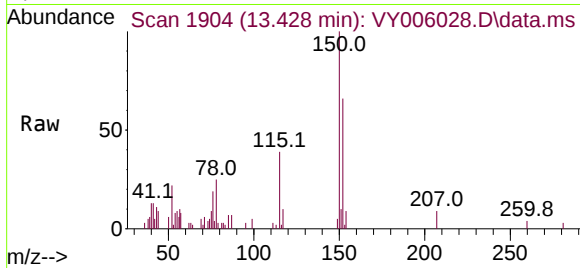




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY006028.D
 Acq: 15 Sep 2021 16:50

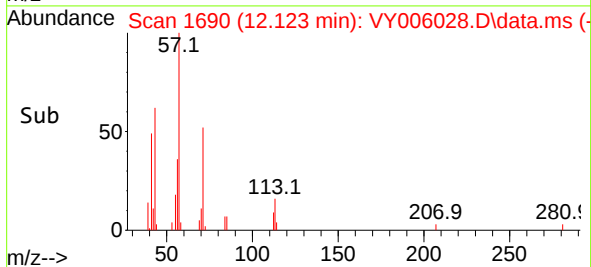
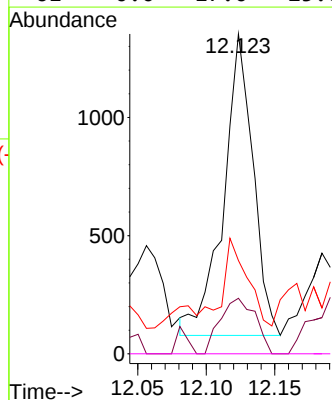
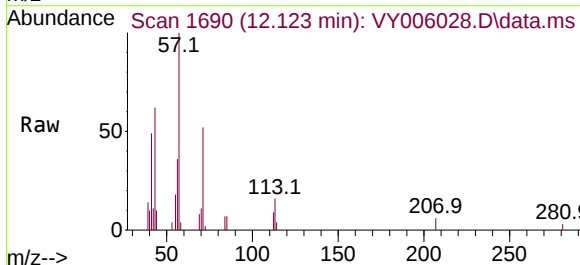
Instrument :
 MSVOA_Y
 ClientSampleId :

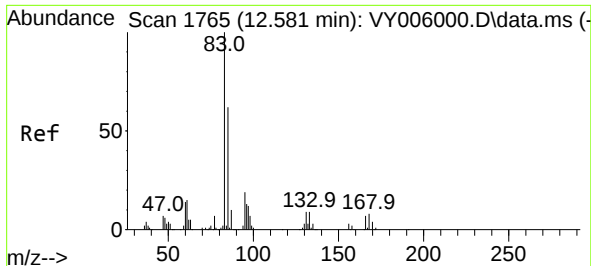
Tgt Ion:152 Resp: 2731
 Ion Ratio Lower Upper
 152 100
 115 62.4 28.2 84.7
 150 161.4 0.0 347.6



#74
 N-ethyl acetate
 Concen: 25.877 ug/l
 RT: 12.123 min Scan# 1690
 Delta R.T. -0.018 min
 Lab File: VY006028.D
 Acq: 15 Sep 2021 16:50

Tgt Ion: 43 Resp: 1911
 Ion Ratio Lower Upper
 43 100
 70 22.0 28.7 43.1#
 55 21.3 17.3 25.9
 61 0.0 17.0 25.6#

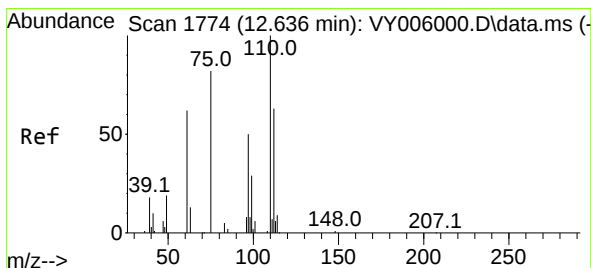
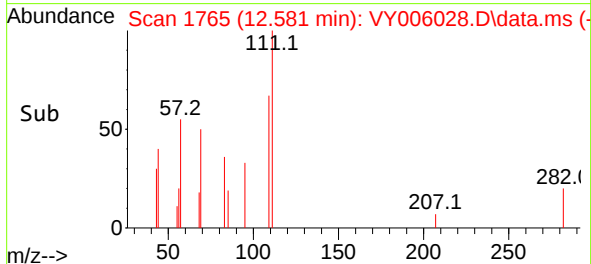
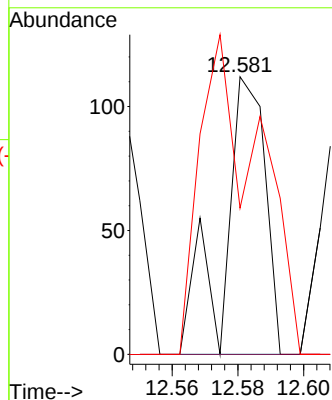
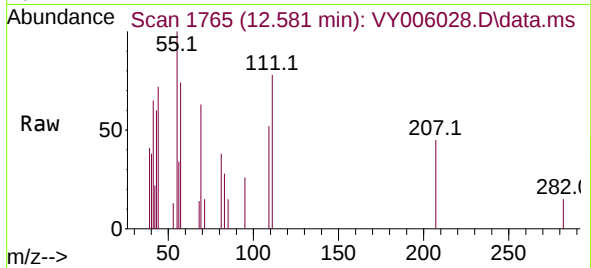




#75
1,1,2,2-Tetrachloroethane
Concen: 2.463 ug/l
RT: 12.581 min Scan# 1765
Delta R.T. -0.000 min
Lab File: VY006028.D
Acq: 15 Sep 2021 16:50

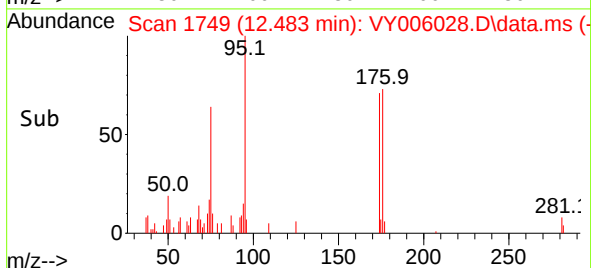
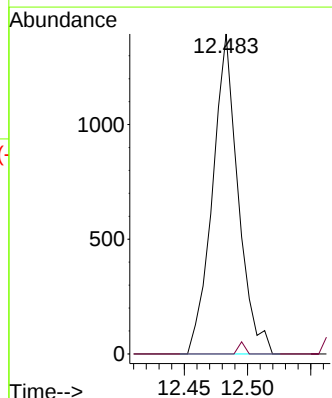
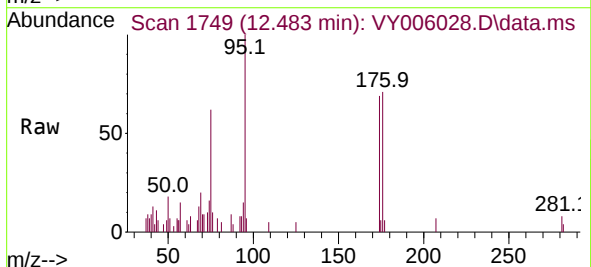
Instrument :
MSVOA_Y
ClientSampled :

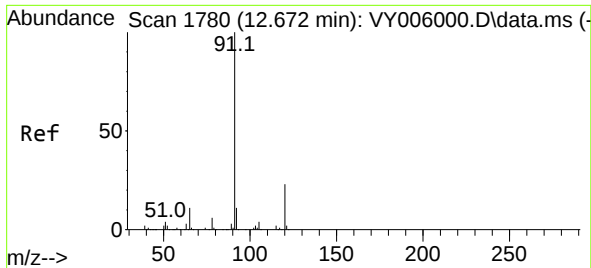
Tgt Ion: 83 Resp: 98
Ion Ratio Lower Upper
83 100
131 0.0 5.6 16.8#
85 162.2 32.3 96.8#



#76
1,2,3-Trichloropropane
Concen: 67.416 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY006028.D
Acq: 15 Sep 2021 16:50

Tgt Ion: 75 Resp: 1963
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

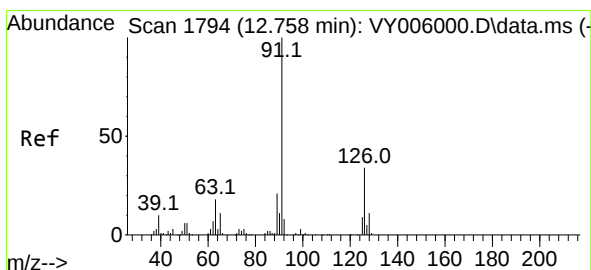
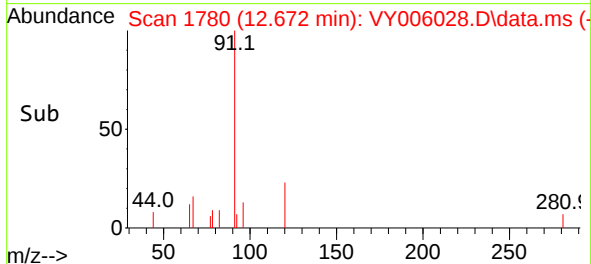
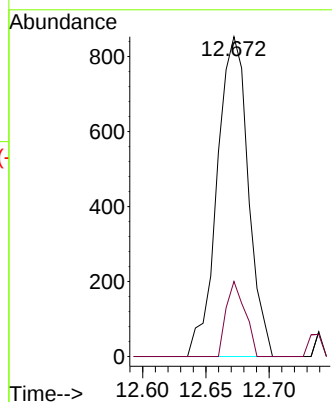
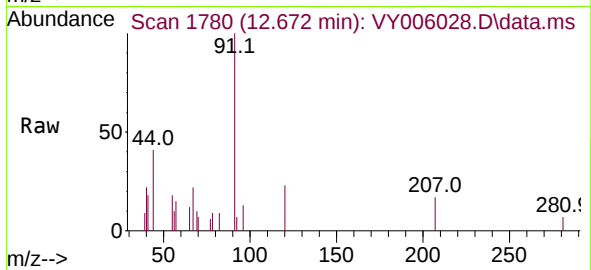




#78
n-propylbenzene
Concen: 5.522 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. -0.000 min
Lab File: VY006028.D
Acq: 15 Sep 2021 16:50

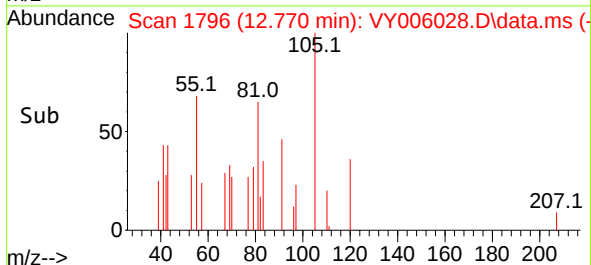
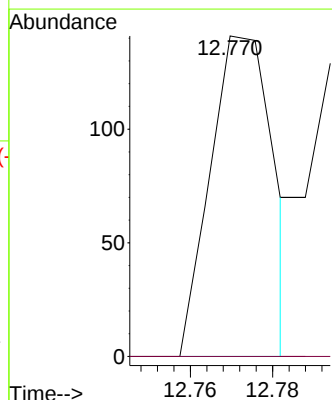
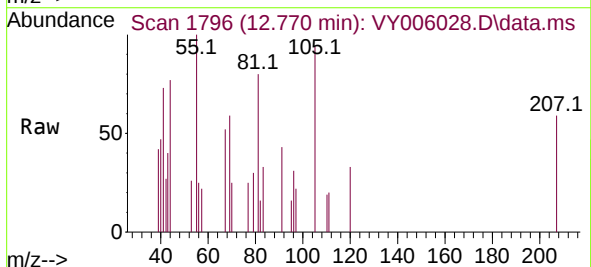
Instrument :
MSVOA_Y
ClientSampled :

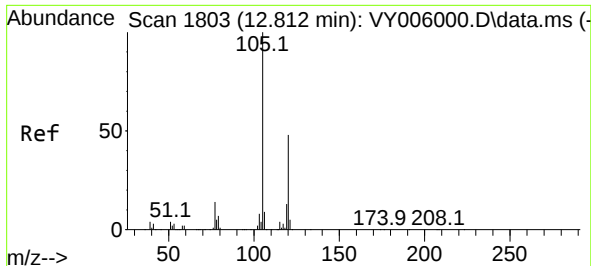
Tgt Ion: 91 Resp: 1461
Ion Ratio Lower Upper
91 100
120 14.2 11.3 33.9



#79
2-Chlorotoluene
Concen: 1.057 ug/l
RT: 12.770 min Scan# 1796
Delta R.T. 0.012 min
Lab File: VY006028.D
Acq: 15 Sep 2021 16:50

Tgt Ion: 91 Resp: 152
Ion Ratio Lower Upper
91 100
126 0.0 16.9 50.6#

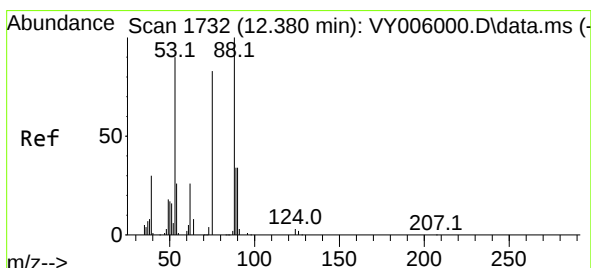
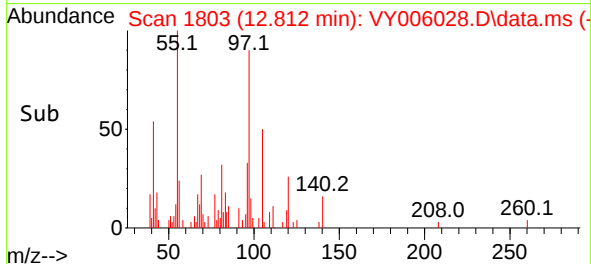
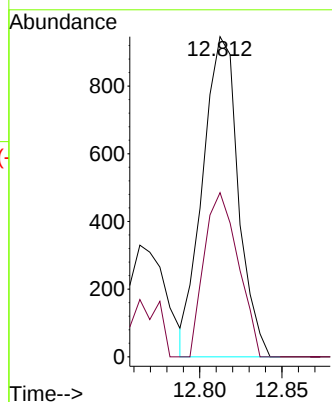
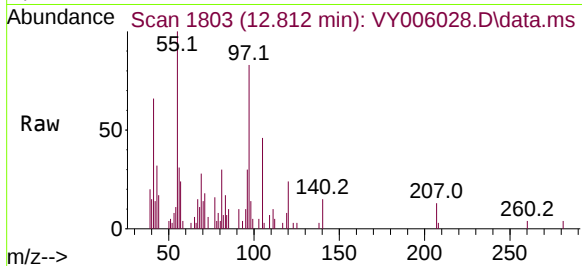




#80
1,3,5-Trimethylbenzene
Concen: 8.063 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VY006028.D
Acq: 15 Sep 2021 16:50

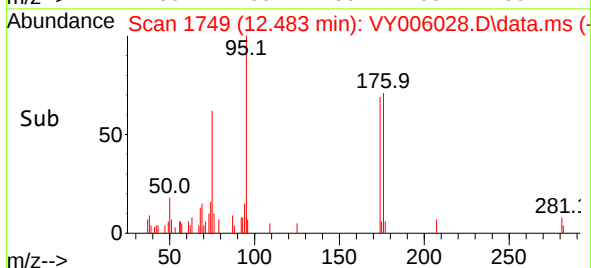
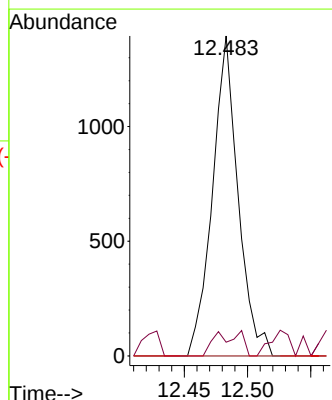
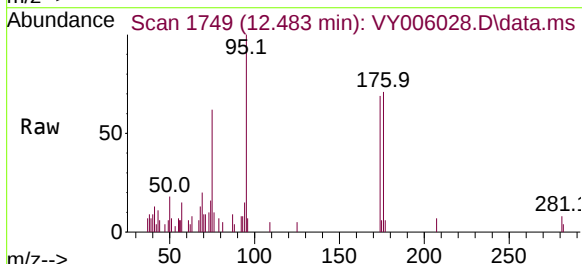
Instrument :
MSVOA_Y
ClientSampled :

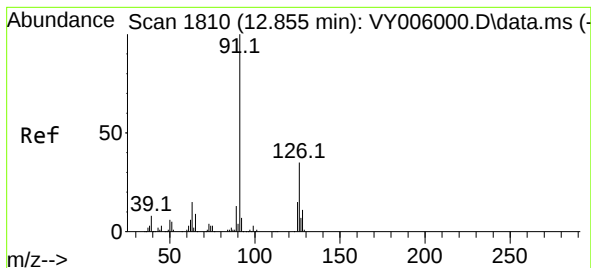
Tgt Ion:105 Resp: 1430
Ion Ratio Lower Upper
105 100
120 48.8 24.4 73.4



#81
trans-1,4-Dichloro-2-butene
Concen: 123.945 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY006028.D
Acq: 15 Sep 2021 16:50

Tgt Ion: 75 Resp: 1963
Ion Ratio Lower Upper
75 100
53 7.7 85.3 127.9#
89 0.0 37.0 55.4#

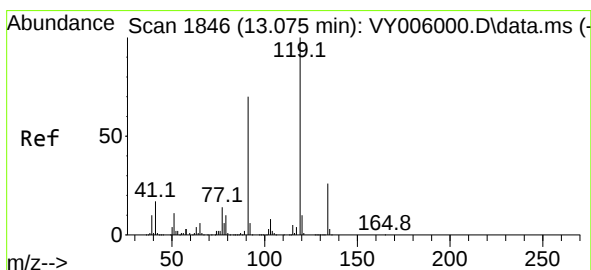
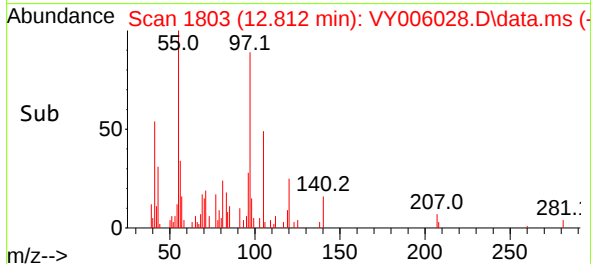
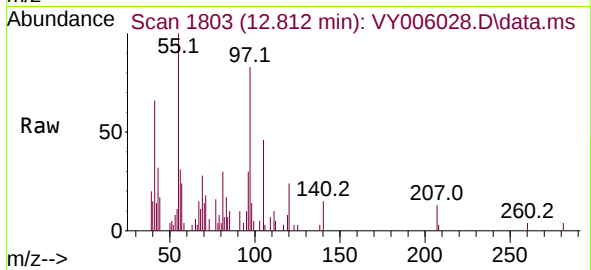




#82
4-Chlorotoluene
Concen: 2.609 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.043 min
Lab File: VY006028.D
Acq: 15 Sep 2021 16:50

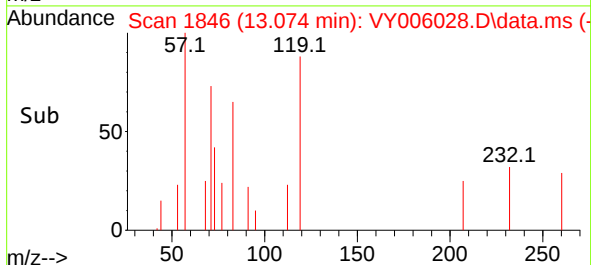
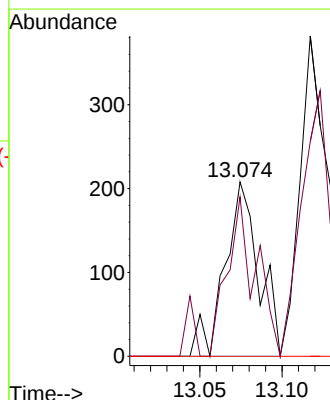
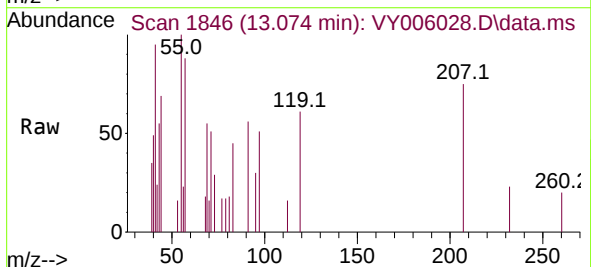
Instrument :
MSVOA_Y
ClientSampled :

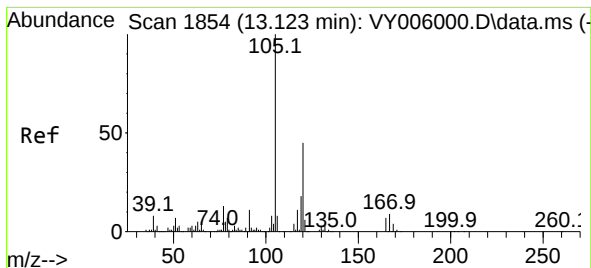
Tgt Ion: 91 Resp: 388
Ion Ratio Lower Upper
91 100
126 0.0 17.0 51.0#



#83
tert-Butylbenzene
Concen: 1.958 ug/l
RT: 13.074 min Scan# 1846
Delta R.T. -0.000 min
Lab File: VY006028.D
Acq: 15 Sep 2021 16:50

Tgt Ion: 119 Resp: 297
Ion Ratio Lower Upper
119 100
91 77.8 34.8 104.4
134 0.0 13.3 39.9#





#84

1,2,4-Trimethylbenzene

Concen: 20.050 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. -0.000 min

Lab File: VY006028.D

Acq: 15 Sep 2021 16:50

Tgt Ion:105 Resp: 3528

Ion Ratio Lower Upper

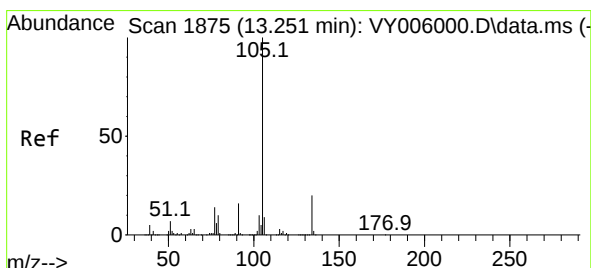
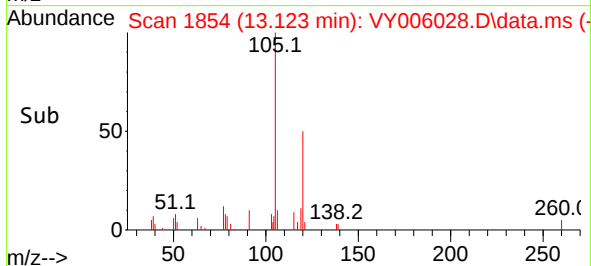
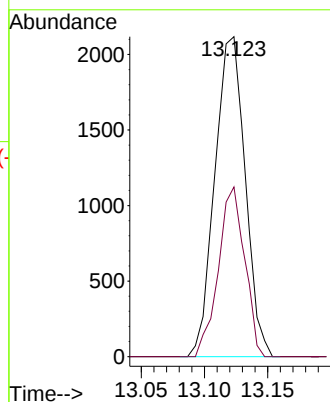
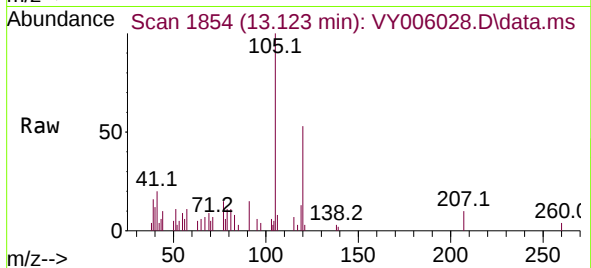
105 100

120 45.9 22.3 66.9

Instrument :

MSVOA_Y

ClientSampled :



#85

sec-Butylbenzene

Concen: 5.760 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. -0.000 min

Lab File: VY006028.D

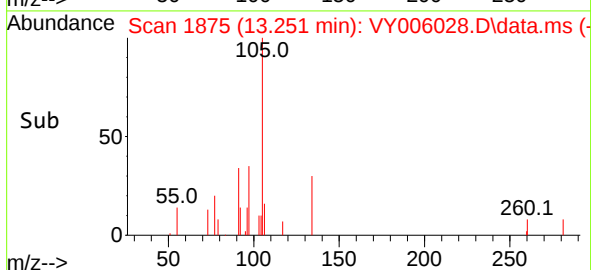
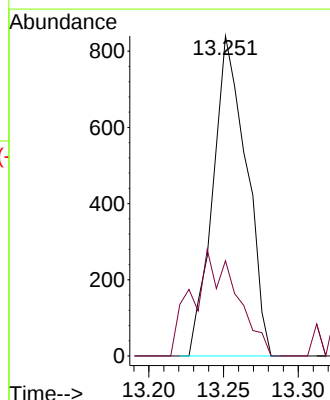
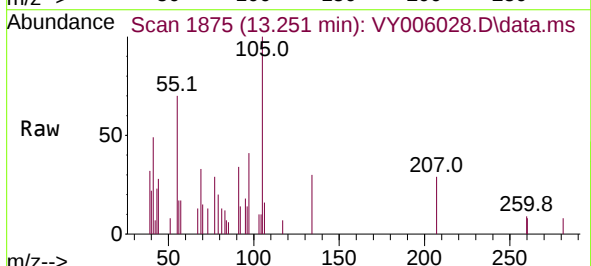
Acq: 15 Sep 2021 16:50

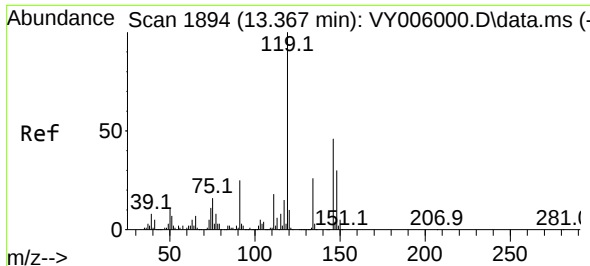
Tgt Ion:105 Resp: 1308

Ion Ratio Lower Upper

105 100

134 43.7 10.2 30.4#

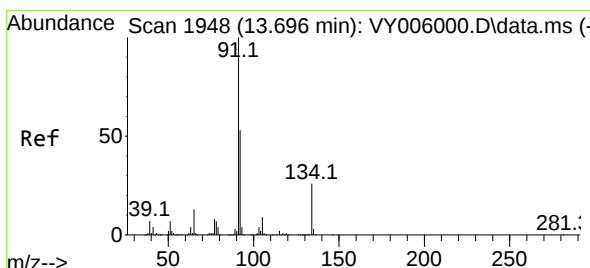
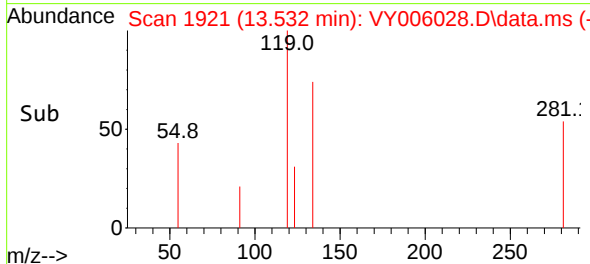
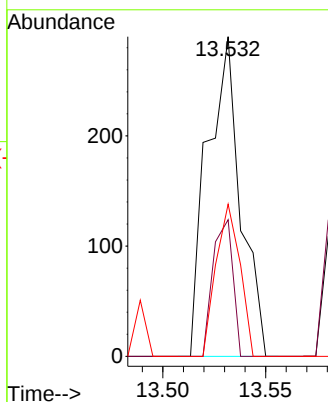
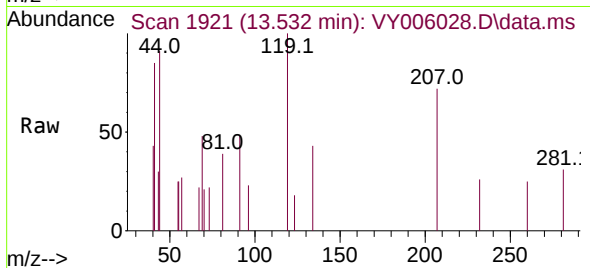




#86
p-Isopropyltoluene
Concen: 1.682 ug/l
RT: 13.532 min Scan# 1921
Delta R.T. 0.165 min
Lab File: VY006028.D
Acq: 15 Sep 2021 16:50

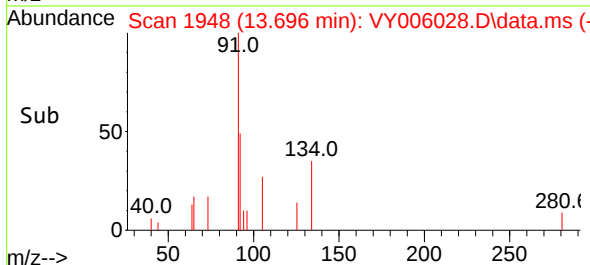
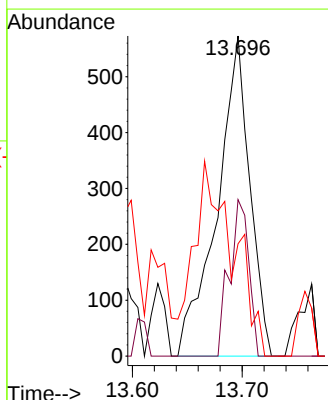
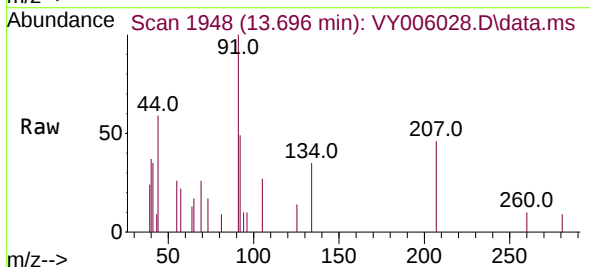
Instrument :
MSVOA_Y
ClientSampled :

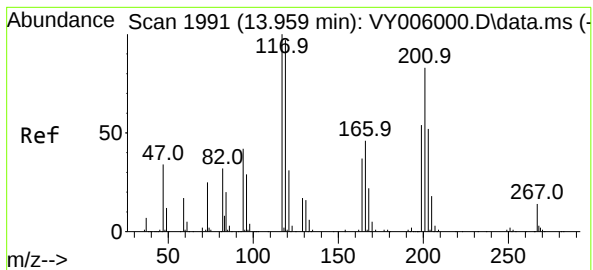
Tgt Ion:119	Resp:	326
Ion	Ratio	Lower Upper
119	100	
134	25.5	13.2 39.5
91	34.0	12.4 37.2



#89
n-Butylbenzene
Concen: 6.520 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. -0.000 min
Lab File: VY006028.D
Acq: 15 Sep 2021 16:50

Tgt Ion: 91	Resp:	1182
Ion	Ratio	Lower Upper
91	100	
92	28.8	26.3 78.9
134	0.0	13.0 38.9#





#90
 Hexachloroethane
 Concen: 3.354 ug/l
 RT: 13.971 min Scan# 1993
 Delta R.T. 0.012 min
 Lab File: VY006028.D
 Acq: 15 Sep 2021 16:50

Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion:117 Resp: 117
 Ion Ratio Lower Upper
 117 100
 201 0.0 43.0 128.8#

