

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110121\
 Data File : VY006552.D
 Acq On : 01 Nov 2021 15:20
 Operator : SY/MD
 Sample : M4429-01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 02 03:29:58 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)

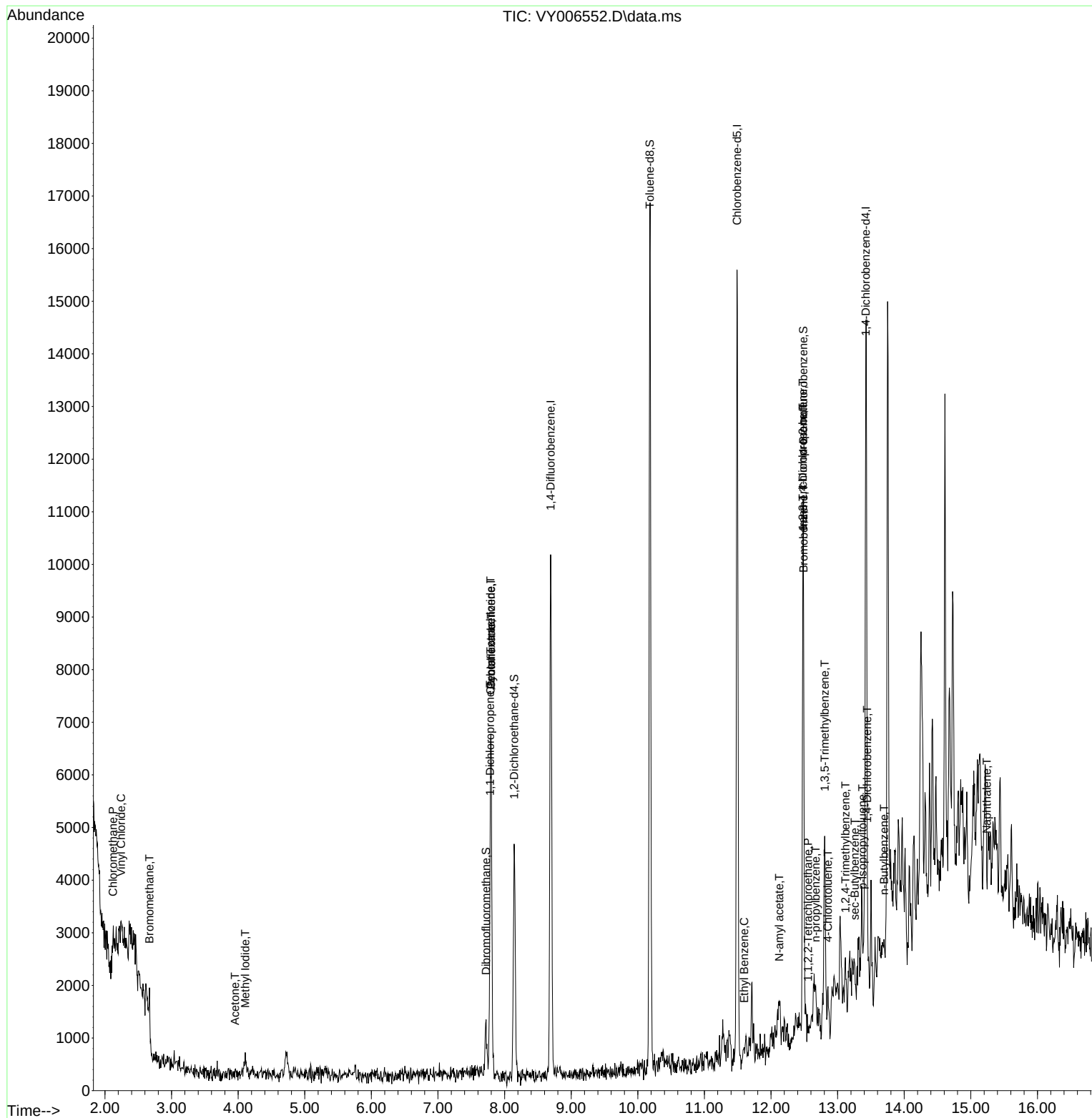
Internal Standards						
1) Pentafluorobenzene	7.795	168	5123	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	8067	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	7617	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	2552	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	3617	57.375	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 114.740%	
35) Dibromofluoromethane	7.722	113	836	18.593	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 37.180%#	
50) Toluene-d8	10.179	98	10402	54.573	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 109.140%	
62) 4-Bromofluorobenzene	12.483	95	3328	51.832	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 103.660%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	285	4.459	ug/l #	43
4) Vinyl Chloride	2.241	62	159	2.227	ug/l #	44
5) Bromomethane	2.668	94	226	4.752	ug/l #	72
10) Methyl Iodide	4.107	142	663	16.869	ug/l #	82
16) Acetone	3.954	43	53	2.920	ug/l #	46
31) Cyclohexane	7.795	56	114	1.117	ug/l #	29
36) 1,1-Dichloropropene	7.783	75	321	4.027	ug/l #	42
38) Carbon Tetrachloride	7.789	117	423	4.811	ug/l #	12
67) Ethyl Benzene	11.599	91	310	1.098	ug/l #	44
74) N-amyl acetate	12.123	43	312	5.269	ug/l #	48
75) 1,1,2,2-Tetrachloroethane	12.556	83	40	1.294	ug/l #	26
76) 1,2,3-Trichloropropane	12.477	75	1743	66.280	ug/l #	100
77) Bromobenzene	12.489	156	71	1.688	ug/l #	20
78) n-propylbenzene	12.672	91	274	1.242	ug/l #	53
80) 1,3,5-Trimethylbenzene	12.806	105	246	1.646	ug/l #	41
81) trans-1,4-Dichloro-2-b...	12.477	75	1743	136.069	ug/l #	7
82) 4-Chlorotoluene	12.855	91	177	1.391	ug/l #	41
84) 1,2,4-Trimethylbenzene	13.117	105	480	3.212	ug/l	85
85) sec-Butylbenzene	13.257	105	260	1.348	ug/l #	56
86) p-Isopropyltoluene	13.373	119	218	1.325	ug/l #	54
88) 1,4-Dichlorobenzene	13.446	146	135	1.627	ug/l #	1
89) n-Butylbenzene	13.696	91	420	2.713	ug/l #	67
95) Naphthalene	15.239	128	651	6.805	ug/l #	84

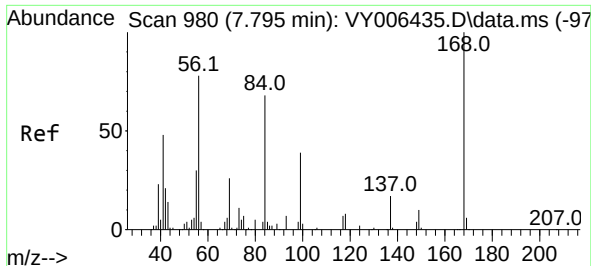
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Oct 23 06:59:04 2021
Response via : Initial Calibration

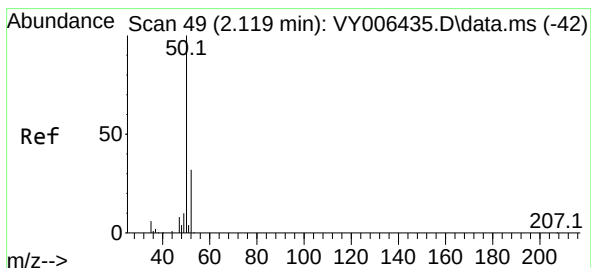
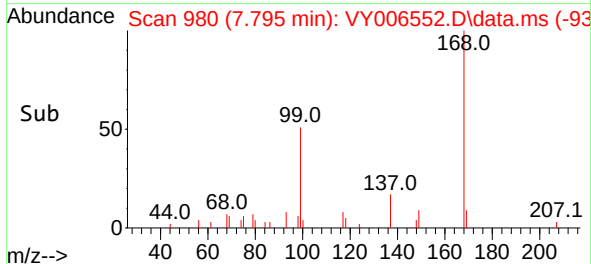
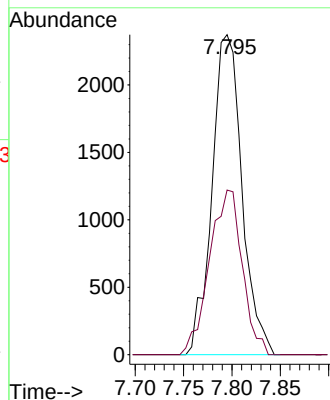
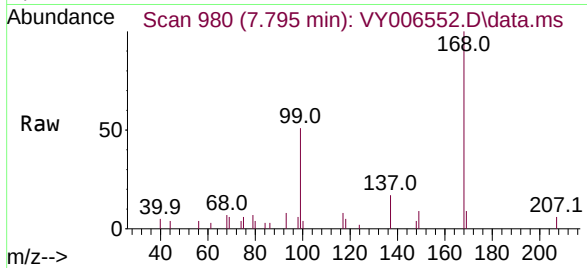




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY006552.D
Acq: 01 Nov 2021 15:20

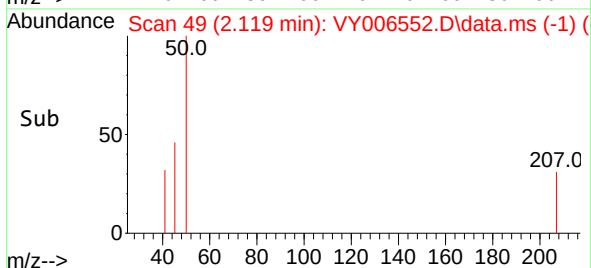
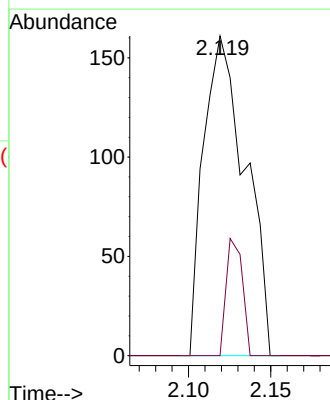
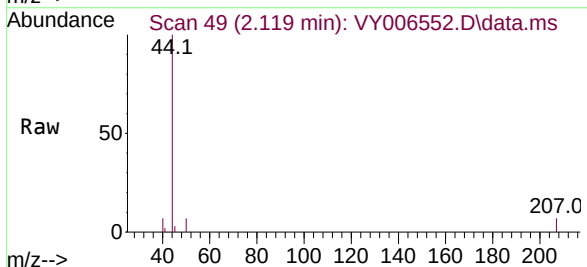
Instrument :
MSVOA_Y
ClientSampleId :

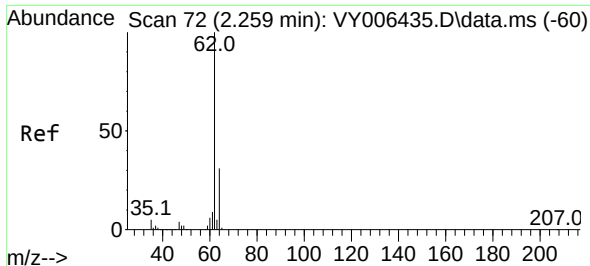
Tgt Ion:168 Resp: 5123
Ion Ratio Lower Upper
168 100
99 51.5 44.8 67.2



#3
Chloromethane
Concen: 4.459 ug/l
RT: 2.119 min Scan# 49
Delta R.T. -0.000 min
Lab File: VY006552.D
Acq: 01 Nov 2021 15:20

Tgt Ion: 50 Resp: 285
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

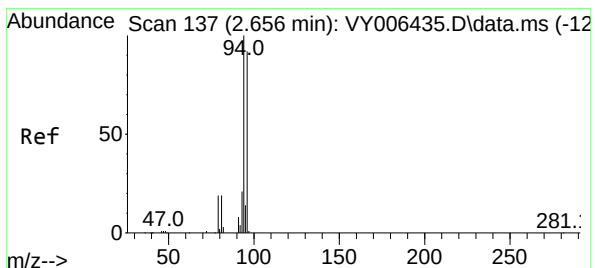
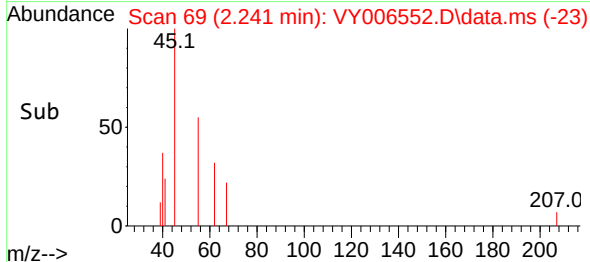
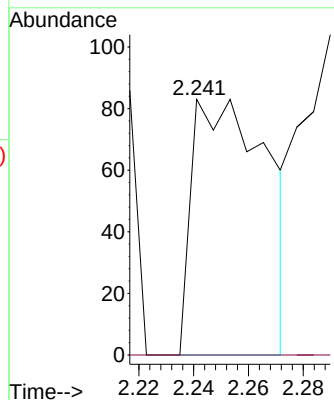
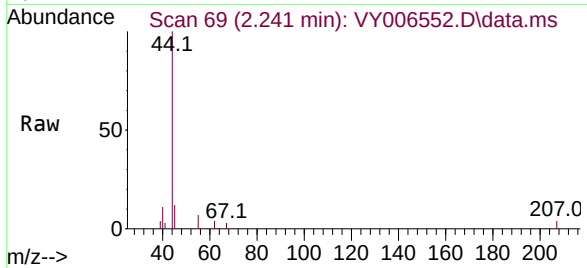




#4
 Vinyl Chloride
 Concen: 2.227 ug/l
 RT: 2.241 min Scan# 64
 Delta R.T. -0.018 min
 Lab File: VY006552.D
 Acq: 01 Nov 2021 15:20

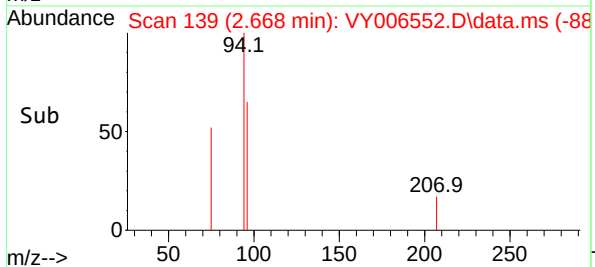
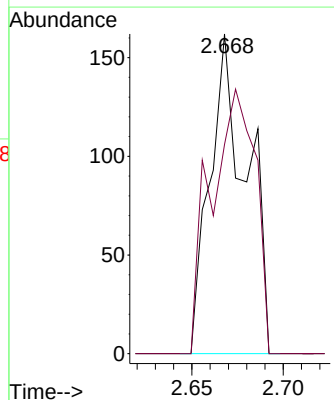
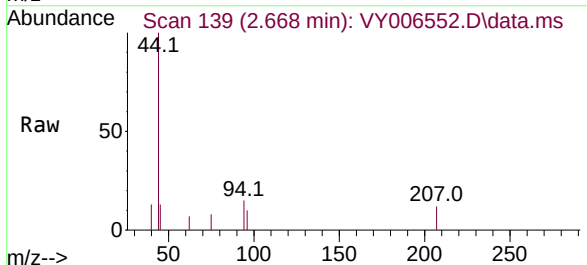
Instrument :
 MSVOA_Y
 ClientSampleId :

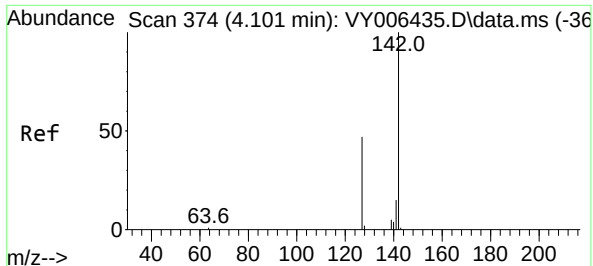
Tgt Ion: 62 Resp: 159
 Ion Ratio Lower Upper
 62 100
 64 0.0 24.7 37.1#



#5
 Bromomethane
 Concen: 4.752 ug/l
 RT: 2.668 min Scan# 139
 Delta R.T. 0.012 min
 Lab File: VY006552.D
 Acq: 01 Nov 2021 15:20

Tgt Ion: 94 Resp: 226
 Ion Ratio Lower Upper
 94 100
 96 65.4 73.5 110.3#





#10

Methyl Iodide

Concen: 16.869 ug/l

RT: 4.107 min Scan# 31

Delta R.T. 0.006 min

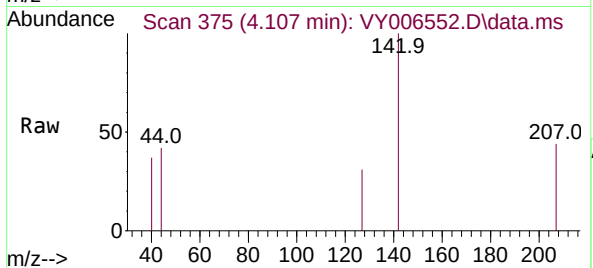
Lab File: VY006552.D

Acq: 01 Nov 2021 15:20

Instrument :

MSVOA_Y

ClientSampleId :



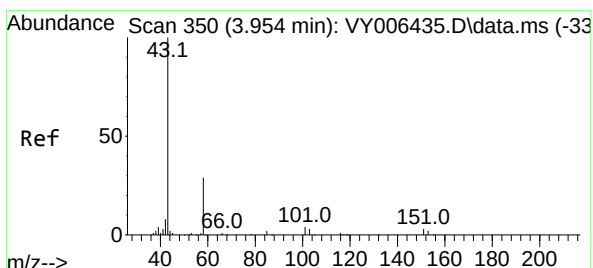
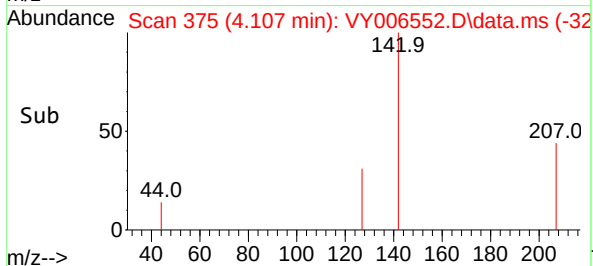
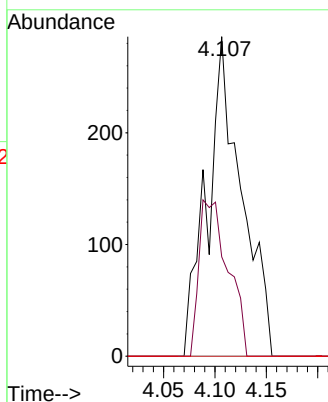
Tgt Ion:142 Resp: 663

Ion Ratio Lower Upper

142 100

127 41.6 40.1 60.1

141 0.0 12.5 18.7#



#16

Acetone

Concen: 2.920 ug/l

RT: 3.954 min Scan# 350

Delta R.T. -0.000 min

Lab File: VY006552.D

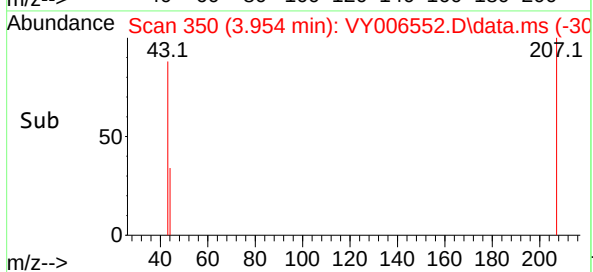
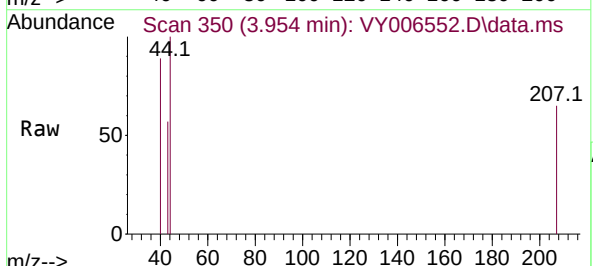
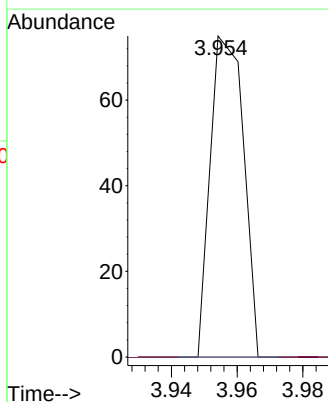
Acq: 01 Nov 2021 15:20

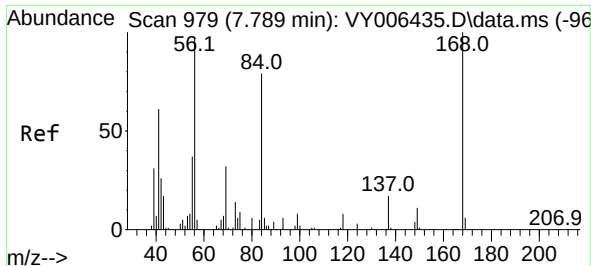
Tgt Ion: 43 Resp: 53

Ion Ratio Lower Upper

43 100

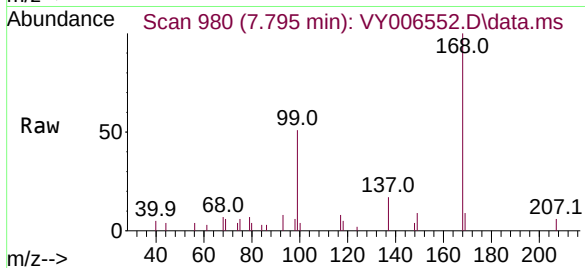
58 0.0 22.9 34.3#



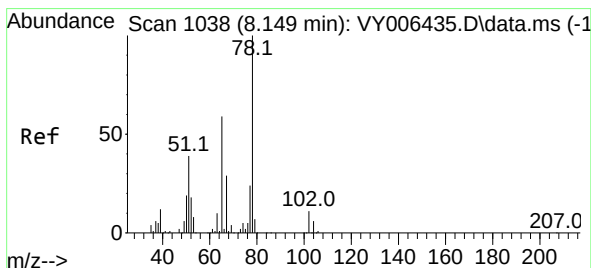
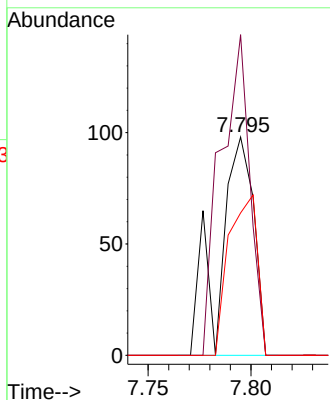
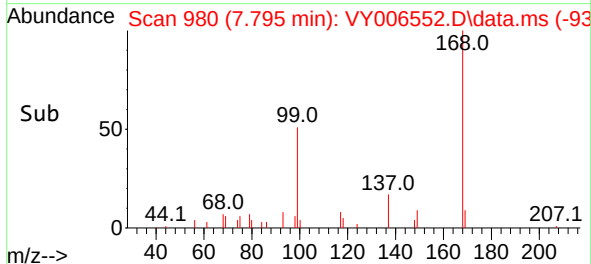


#31
Cyclohexane
Concen: 1.117 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY006552.D
Acq: 01 Nov 2021 15:20

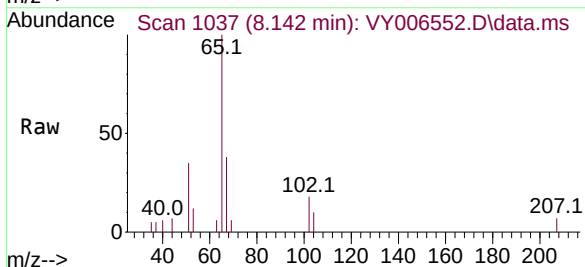
Instrument :
MSVOA_Y
ClientSampleId :



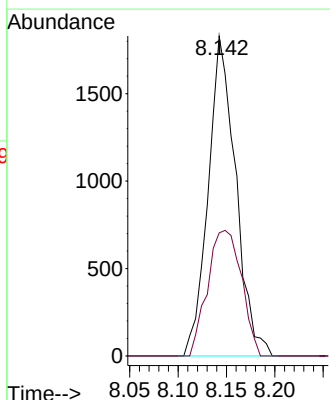
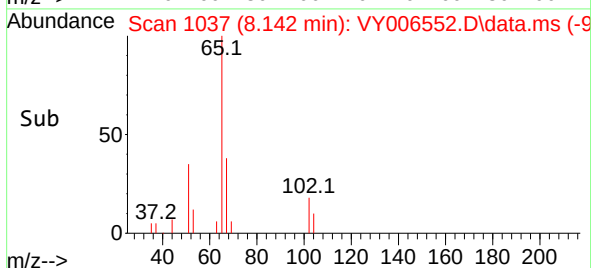
Tgt Ion: 56 Resp: 114
Ion Ratio Lower Upper
56 100
69 146.9 26.6 40.0#
84 65.3 65.0 97.4

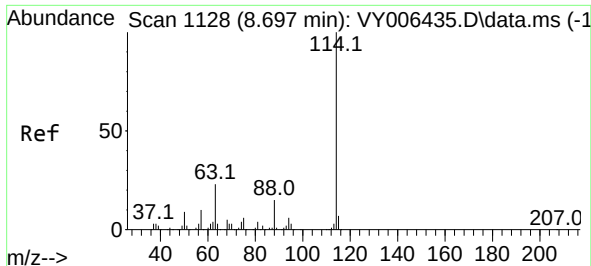


#33
1,2-Dichloroethane-d4
Concen: 57.375 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VY006552.D
Acq: 01 Nov 2021 15:20



Tgt Ion: 65 Resp: 3617
Ion Ratio Lower Upper
65 100
67 48.4 0.0 98.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1128

Delta R.T. -0.006 min

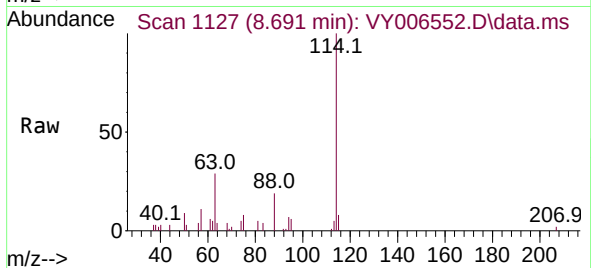
Lab File: VY006552.D

Acq: 01 Nov 2021 15:20

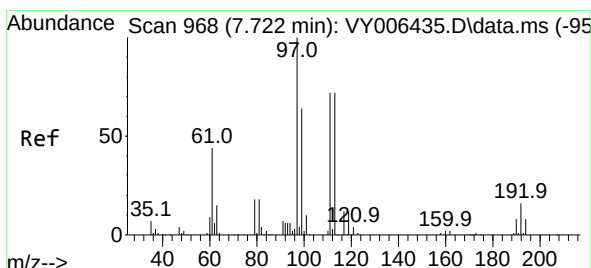
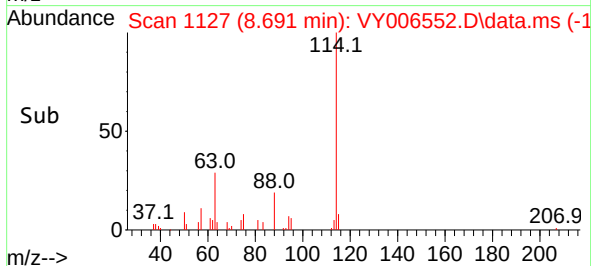
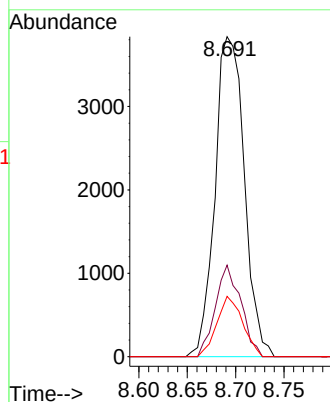
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:114	Resp:	8067
Ion	Ratio	Lower Upper
114	100	
63	28.6	0.0 45.0
88	18.9	0.0 30.6



#35

Dibromofluoromethane

Concen: 18.593 ug/l

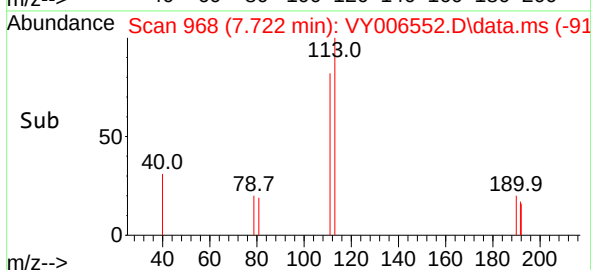
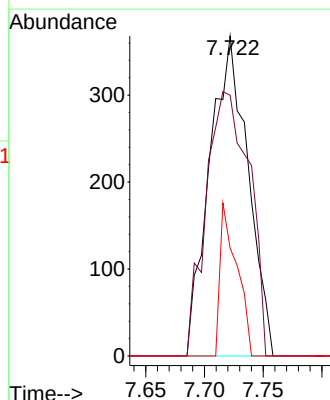
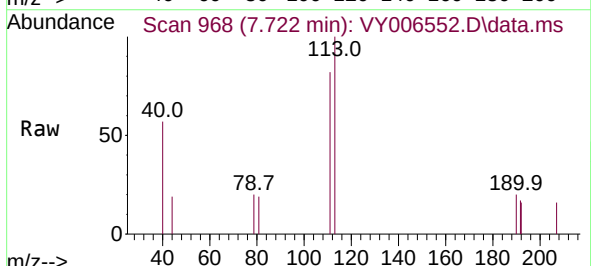
RT: 7.722 min Scan# 968

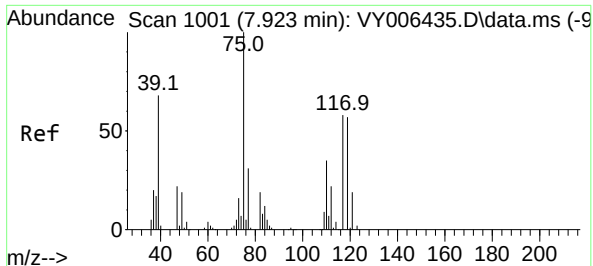
Delta R.T. -0.000 min

Lab File: VY006552.D

Acq: 01 Nov 2021 15:20

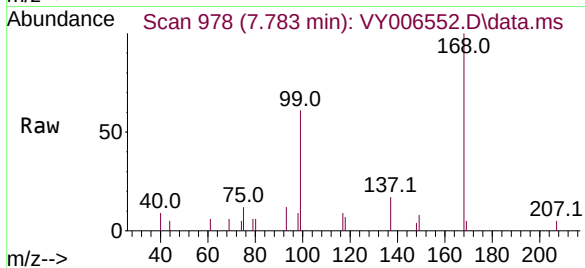
Tgt Ion:113	Resp:	836
Ion	Ratio	Lower Upper
113	100	
111	92.9	82.3 123.5
192	20.8	17.4 26.2



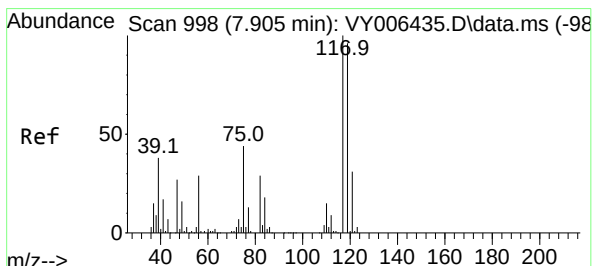
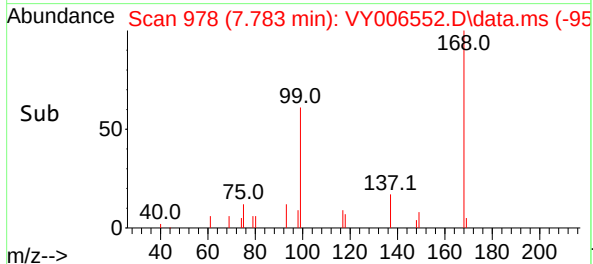
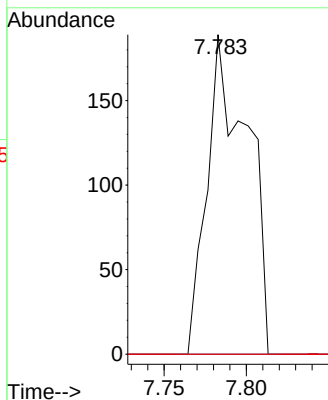


#36
1,1-Dichloropropene
Concen: 4.027 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.140 min
Lab File: VY006552.D
Acq: 01 Nov 2021 15:20

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MSVOA_Y
ClientSampleId :

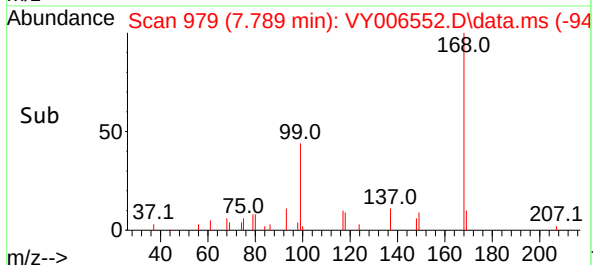
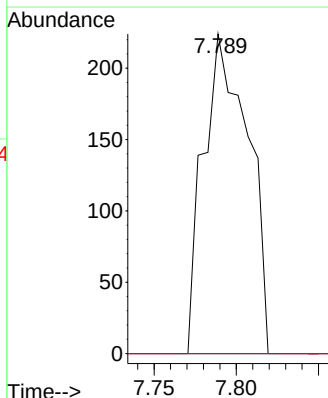
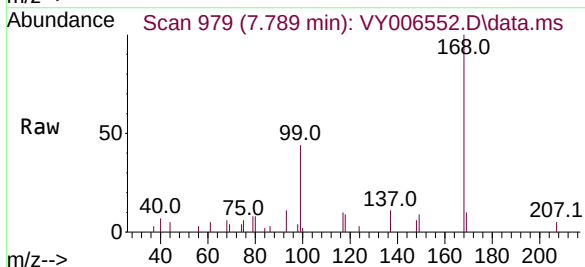


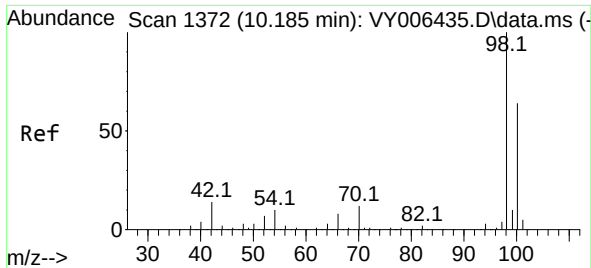
Tgt Ion: 75 Resp: 321
Ion Ratio Lower Upper
75 100
110 0.0 17.1 51.3#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 4.811 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.116 min
Lab File: VY006552.D
Acq: 01 Nov 2021 15:20

Tgt Ion: 117 Resp: 423
Ion Ratio Lower Upper
117 100
119 0.0 76.6 115.0#
121 0.0 24.7 37.1#

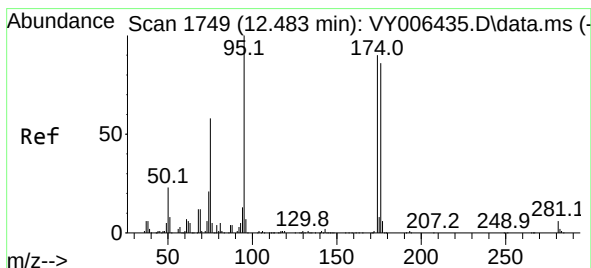
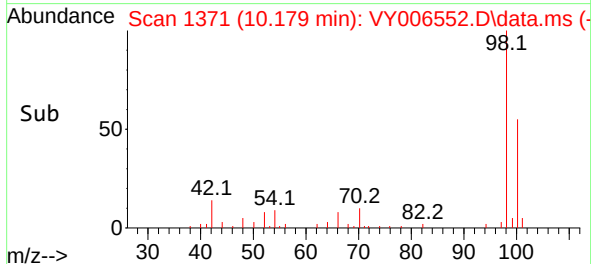
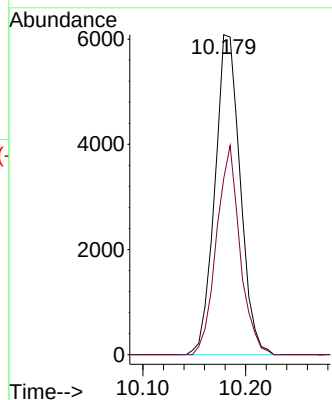
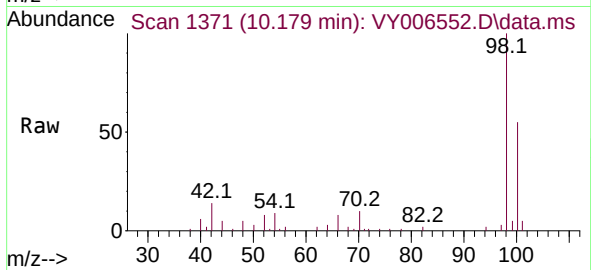




#50
Toluene-d8
Concen: 54.573 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY006552.D
Acq: 01 Nov 2021 15:20

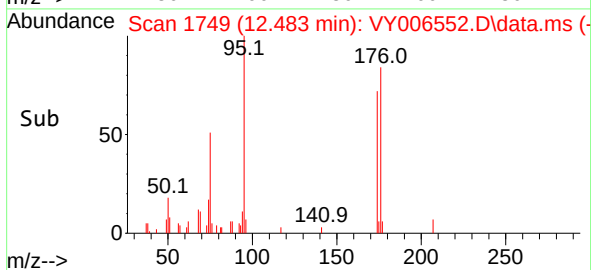
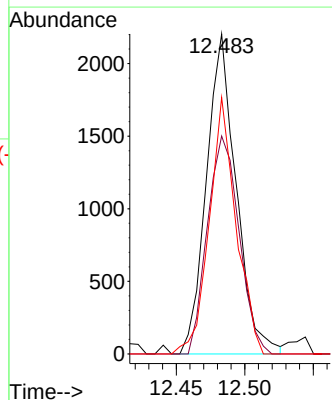
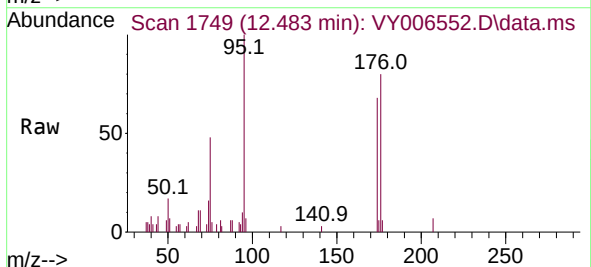
Instrument :
MSVOA_Y
ClientSampleId :

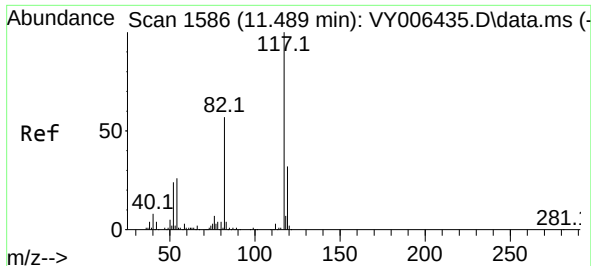
Tgt Ion: 98 Resp: 10402
Ion Ratio Lower Upper
98 100
100 60.7 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 51.832 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY006552.D
Acq: 01 Nov 2021 15:20

Tgt Ion: 95 Resp: 3328
Ion Ratio Lower Upper
95 100
174 72.3 0.0 177.0
176 72.2 0.0 169.4

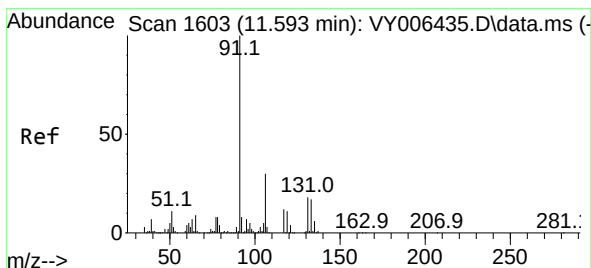
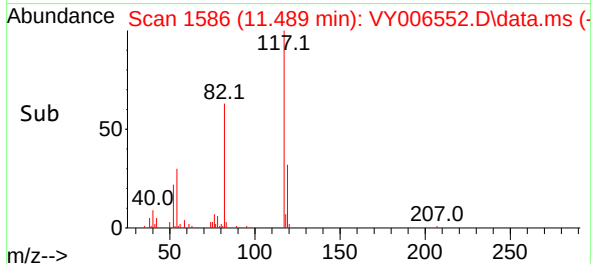
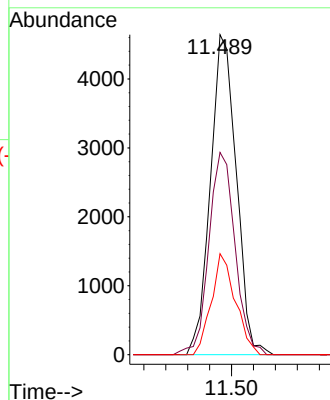
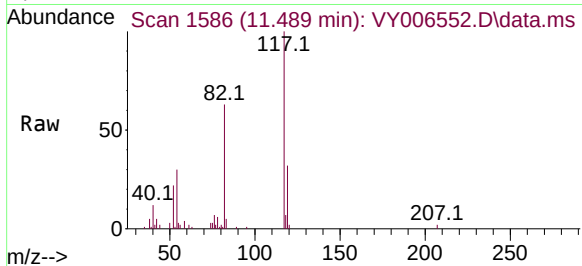




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY006552.D
Acq: 01 Nov 2021 15:20

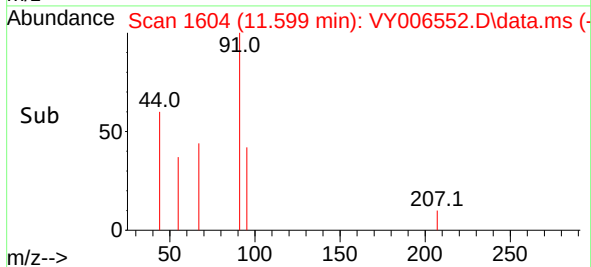
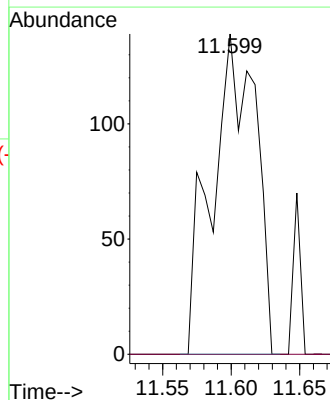
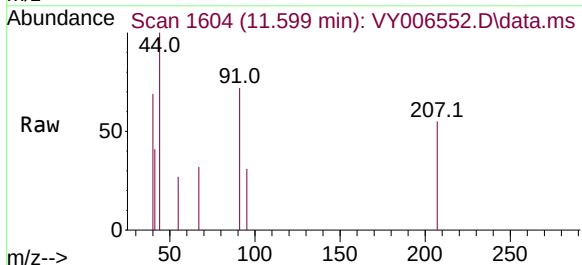
Instrument :
MSVOA_Y
ClientSampleId :

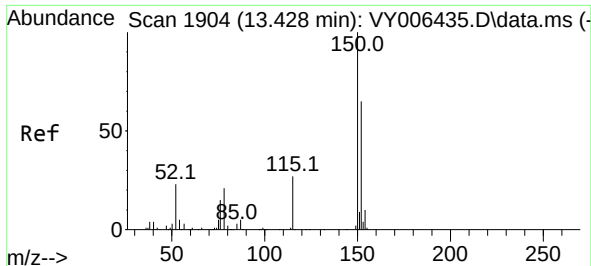
Tgt Ion	Ratio	Lower	Upper
117	100		
82	63.2	45.7	68.5
119	31.5	25.5	38.3



#67
Ethyl Benzene
Concen: 1.098 ug/l
RT: 11.599 min Scan# 1604
Delta R.T. 0.006 min
Lab File: VY006552.D
Acq: 01 Nov 2021 15:20

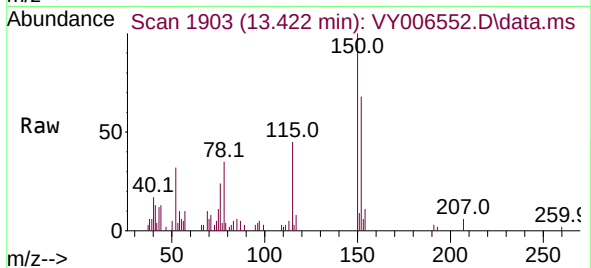
Tgt Ion	Ratio	Lower	Upper
91	100		
106	0.0	24.2	36.4



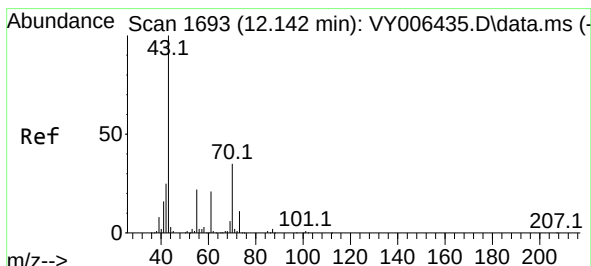
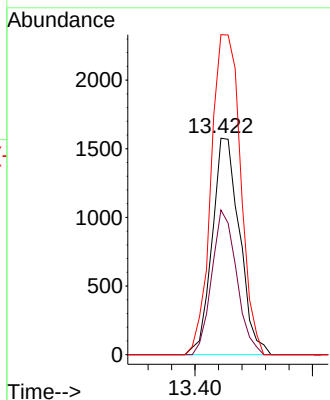
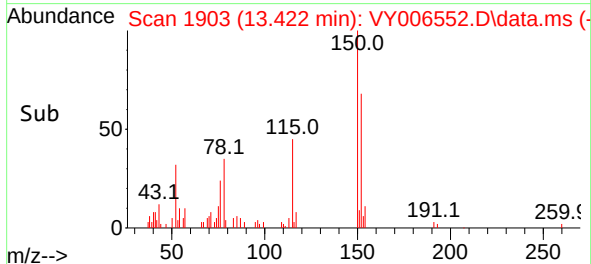


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VY006552.D
Acq: 01 Nov 2021 15:20

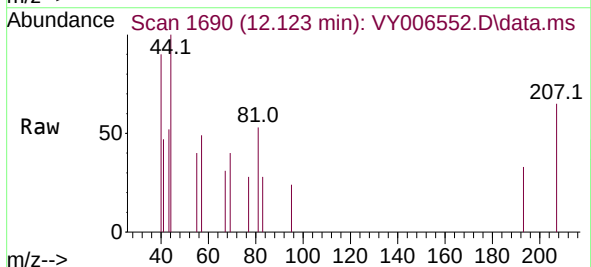
Instrument :
MSVOA_Y
ClientSampleId :



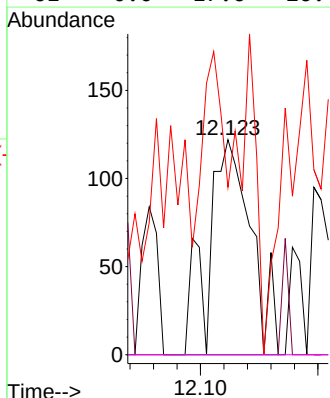
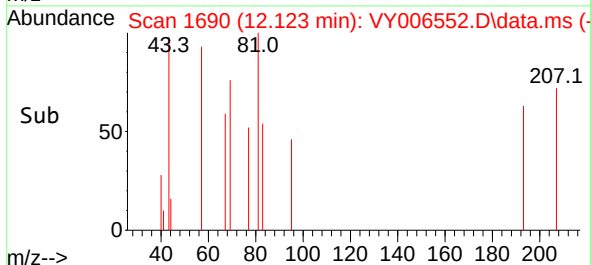
Tgt Ion:152 Resp: 2552
Ion Ratio Lower Upper
152 100
115 60.6 28.5 85.5
150 158.9 0.0 348.2

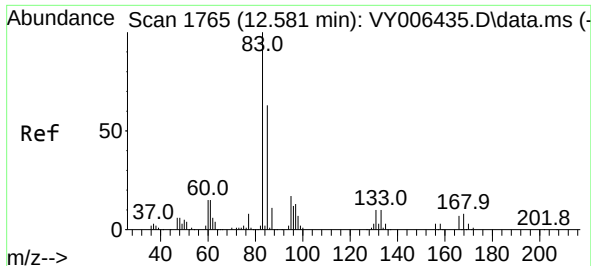


#74
N-ethyl acetate
Concen: 5.269 ug/l
RT: 12.123 min Scan# 1690
Delta R.T. -0.018 min
Lab File: VY006552.D
Acq: 01 Nov 2021 15:20



Tgt Ion: 43 Resp: 312
Ion Ratio Lower Upper
43 100
70 0.0 29.4 44.0#
55 42.0 18.1 27.1#
61 0.0 17.6 26.4#

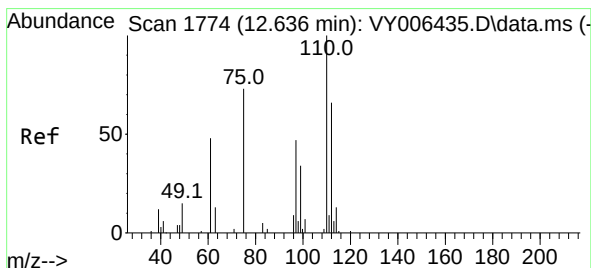
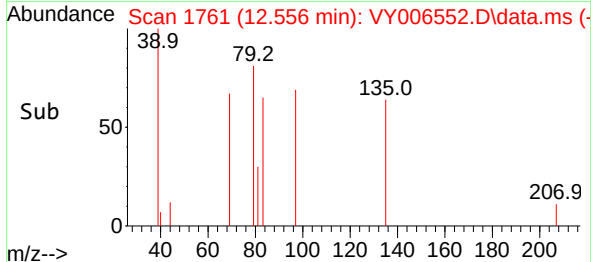
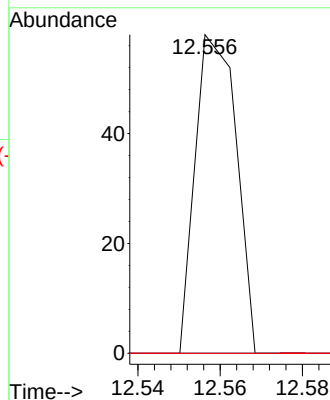
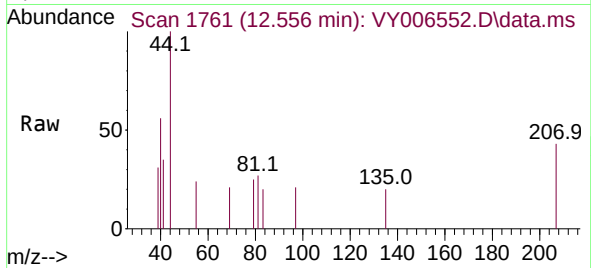




#75
1,1,2,2-Tetrachloroethane
Concen: 1.294 ug/l
RT: 12.556 min Scan# 1761
Delta R.T. -0.024 min
Lab File: VY006552.D
Acq: 01 Nov 2021 15:20

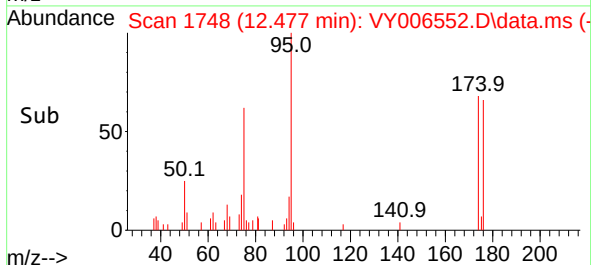
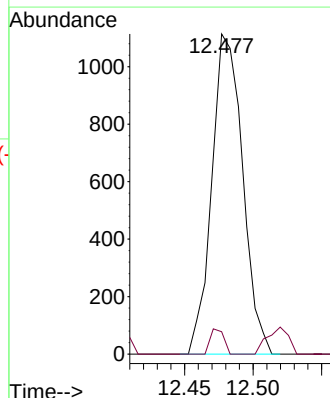
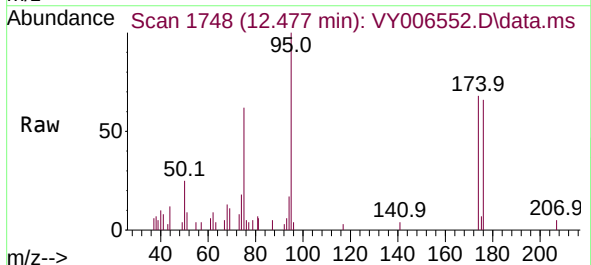
Instrument :
MSVOA_Y
ClientSampleId :

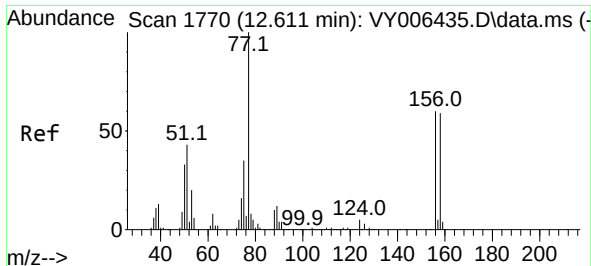
Tgt Ion: 83 Resp: 40
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.4#
85 0.0 31.9 95.9#



#76
1,2,3-Trichloropropane
Concen: 66.280 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.159 min
Lab File: VY006552.D
Acq: 01 Nov 2021 15:20

Tgt Ion: 75 Resp: 1743
Ion Ratio Lower Upper
75 100
77 3.5 0.0 0.0#

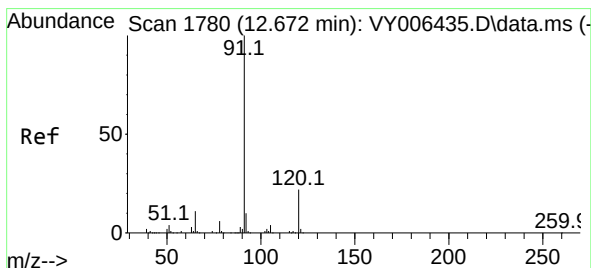
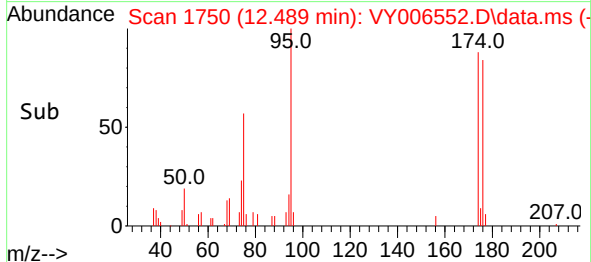
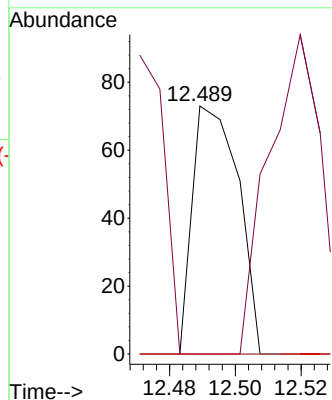
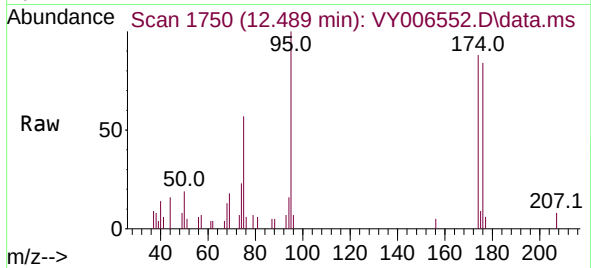




#77
Bromobenzene
Concen: 1.688 ug/l
RT: 12.489 min Scan# 1770
Delta R.T. -0.122 min
Lab File: VY006552.D
Acq: 01 Nov 2021 15:20

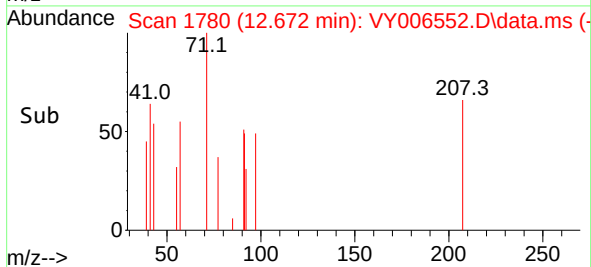
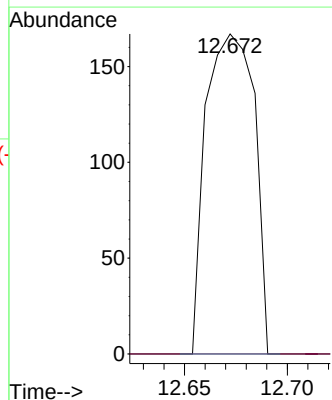
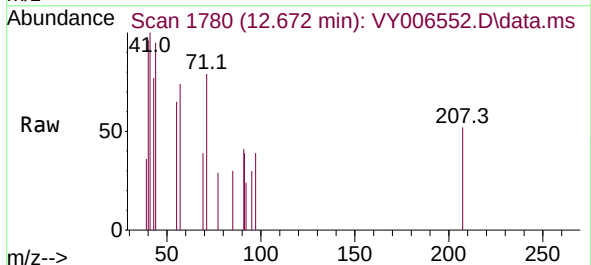
Instrument :
MSVOA_Y
ClientSampleId :

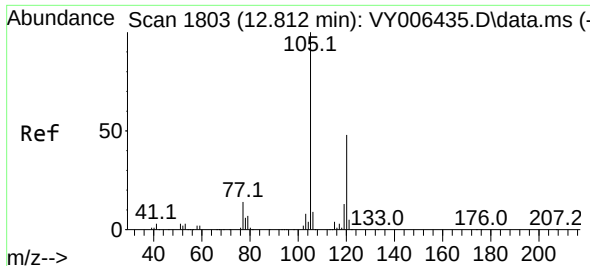
Tgt Ion:156 Resp: 71
Ion Ratio Lower Upper
156 100
77 85.9 94.2 282.4#
158 0.0 48.6 145.8#



#78
n-propylbenzene
Concen: 1.242 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. -0.000 min
Lab File: VY006552.D
Acq: 01 Nov 2021 15:20

Tgt Ion: 91 Resp: 274
Ion Ratio Lower Upper
91 100
120 0.0 11.3 33.8#

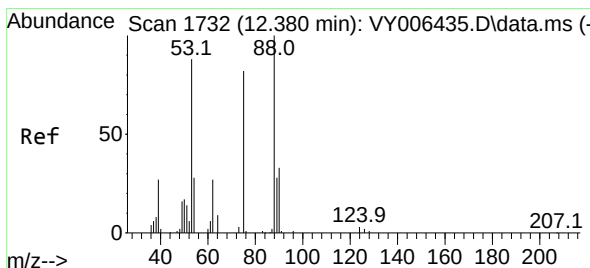
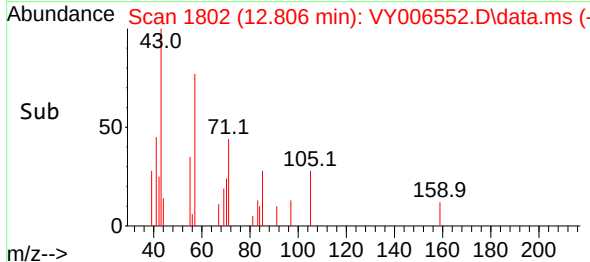
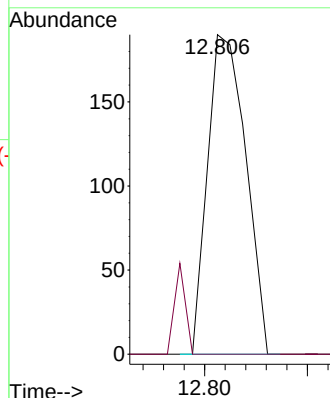
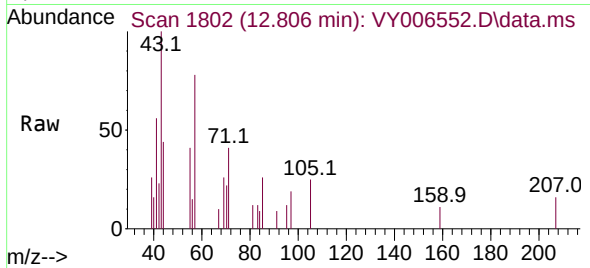




#80
 1,3,5-Trimethylbenzene
 Concen: 1.646 ug/l
 RT: 12.806 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VY006552.D
 Acq: 01 Nov 2021 15:20

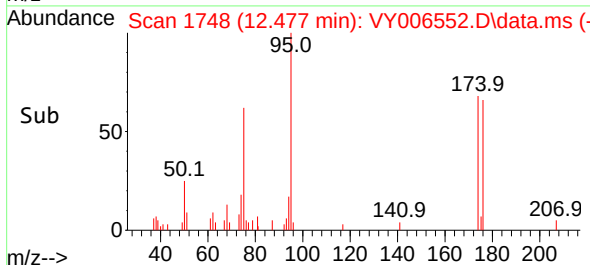
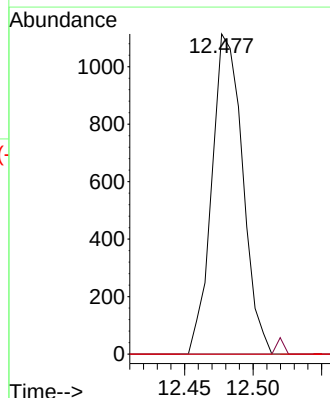
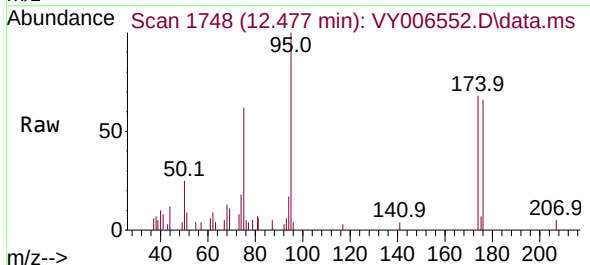
Instrument :
 MSVOA_Y
 ClientSampleId :

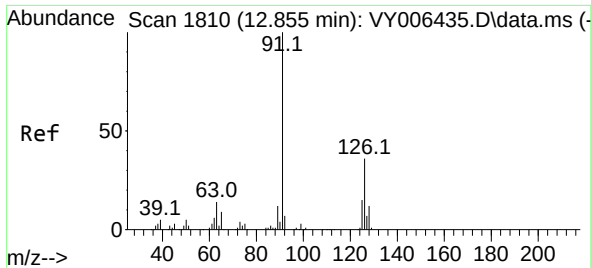
Tgt Ion:105 Resp: 246
 Ion Ratio Lower Upper
 105 100
 120 8.1 24.1 72.4#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 136.069 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. 0.097 min
 Lab File: VY006552.D
 Acq: 01 Nov 2021 15:20

Tgt Ion: 75 Resp: 1743
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.8 128.6#
 89 0.0 39.3 58.9#

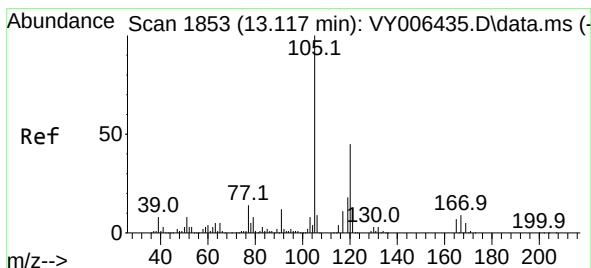
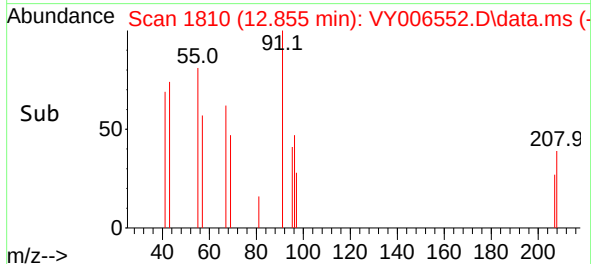
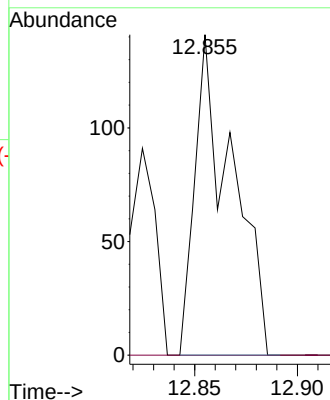
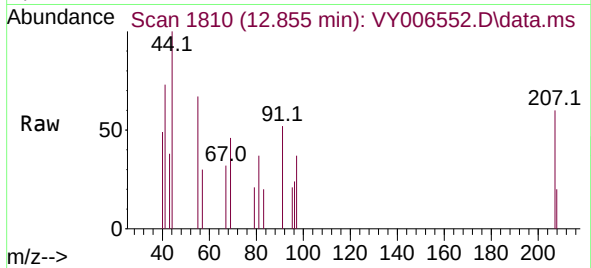




#82
4-Chlorotoluene
Concen: 1.391 ug/l
RT: 12.855 min Scan# 1810
Delta R.T. -0.000 min
Lab File: VY006552.D
Acq: 01 Nov 2021 15:20

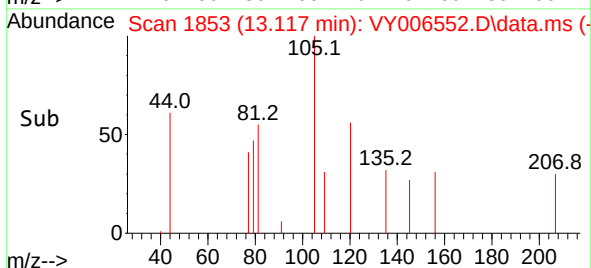
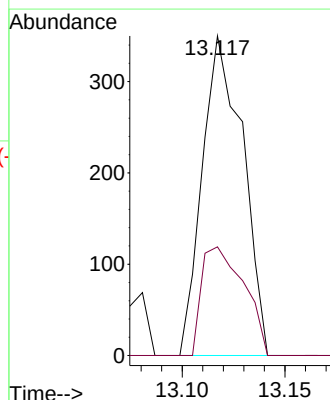
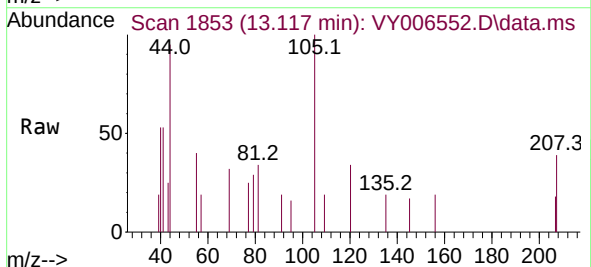
Instrument :
MSVOA_Y
ClientSampleId :

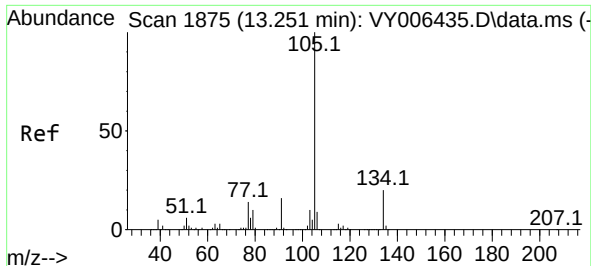
Tgt Ion: 91 Resp: 177
Ion Ratio Lower Upper
91 100
126 0.0 16.8 50.4#



#84
1,2,4-Trimethylbenzene
Concen: 3.212 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VY006552.D
Acq: 01 Nov 2021 15:20

Tgt Ion: 105 Resp: 480
Ion Ratio Lower Upper
105 100
120 35.6 22.6 67.8

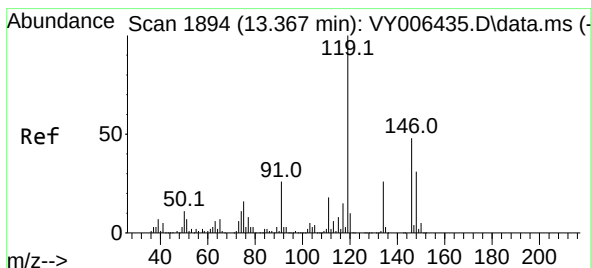
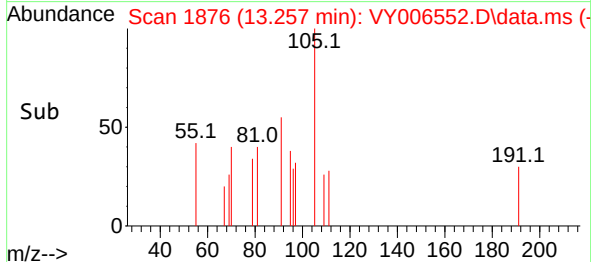
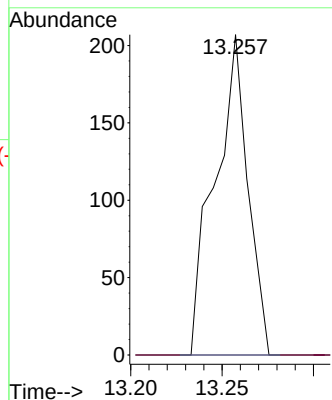
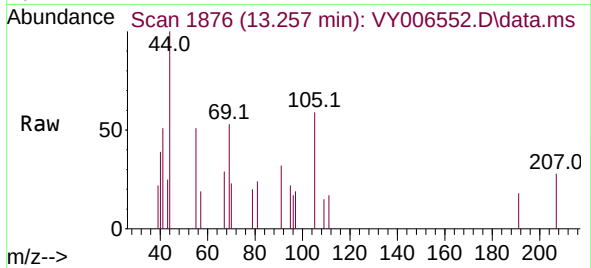




#85
 sec-Butylbenzene
 Concen: 1.348 ug/l
 RT: 13.257 min Scan# 1875
 Delta R.T. 0.006 min
 Lab File: VY006552.D
 Acq: 01 Nov 2021 15:20

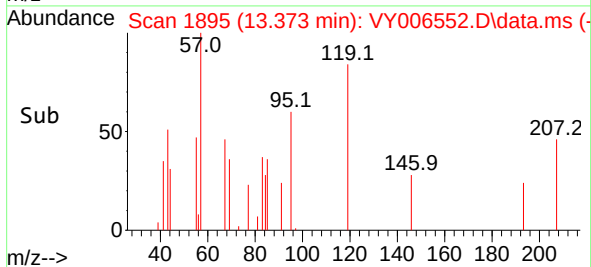
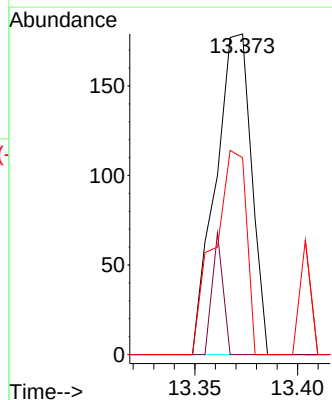
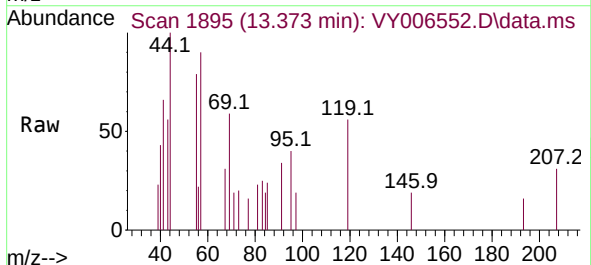
Instrument :
 MSVOA_Y
 ClientSampleId :

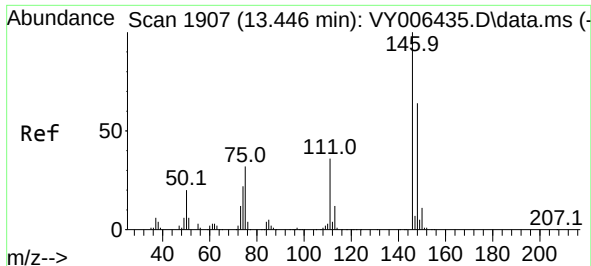
Tgt Ion:105 Resp: 260
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.1 30.3#



#86
 p-Isopropyltoluene
 Concen: 1.325 ug/l
 RT: 13.373 min Scan# 1895
 Delta R.T. 0.006 min
 Lab File: VY006552.D
 Acq: 01 Nov 2021 15:20

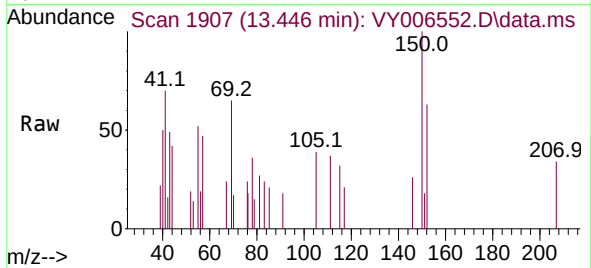
Tgt Ion:119 Resp: 218
 Ion Ratio Lower Upper
 119 100
 134 11.5 13.1 39.1#
 91 57.3 12.4 37.4#



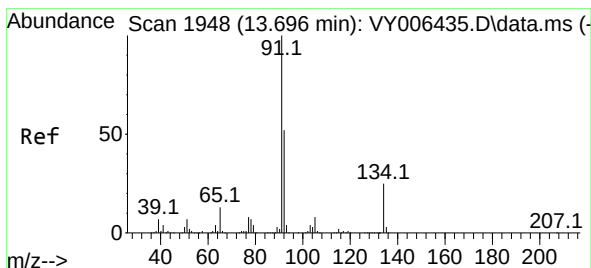
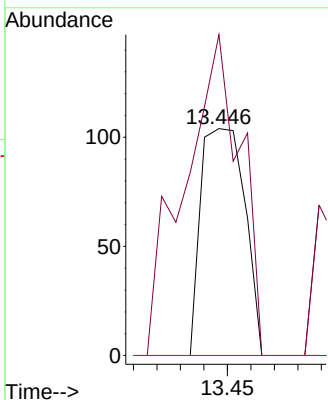
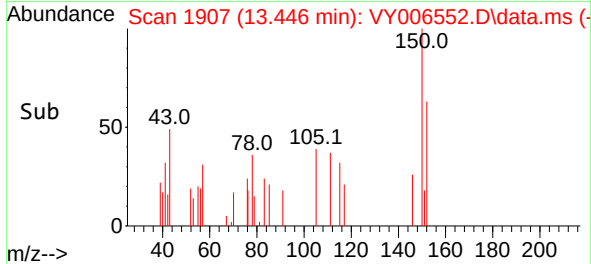


#88
1,4-Dichlorobenzene
Concen: 1.627 ug/l
RT: 13.446 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY006552.D
Acq: 01 Nov 2021 15:20

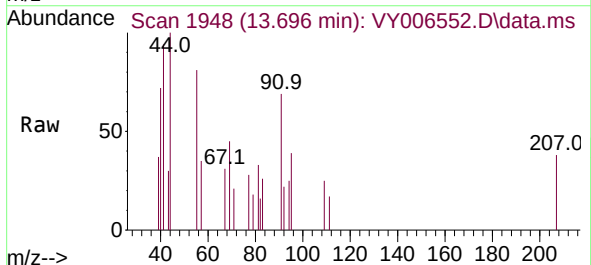
Instrument :
MSVOA_Y
ClientSampleId :



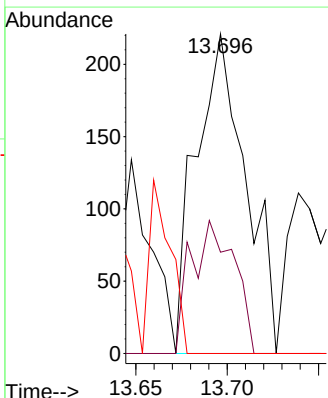
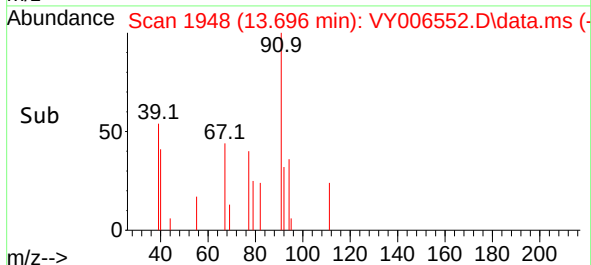
Tgt Ion:146 Resp: 135
Ion Ratio Lower Upper
146 100
111 181.5 18.9 56.5#
148 0.0 32.0 96.2#

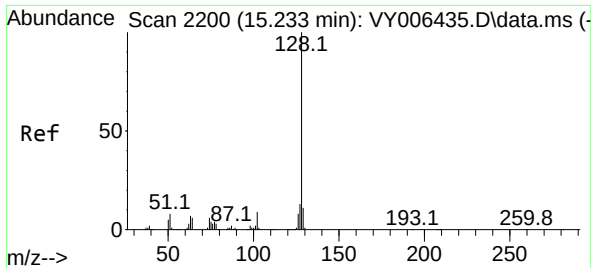


#89
n-Butylbenzene
Concen: 2.713 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. -0.000 min
Lab File: VY006552.D
Acq: 01 Nov 2021 15:20



Tgt Ion: 91 Resp: 420
Ion Ratio Lower Upper
91 100
92 36.0 26.3 78.9
134 0.0 12.9 38.7#





#95

Naphthalene

Concen: 6.805 ug/l

RT: 15.239 min Scan# 21

Delta R.T. 0.006 min

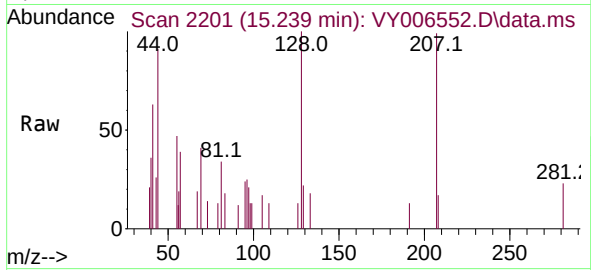
Lab File: VY006552.D

Acq: 01 Nov 2021 15:20

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 651

Ion Ratio Lower Upper

128 100

127 5.2 11.0 16.4#

129 15.1 8.9 13.3#

