

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102221\
 Data File : VY006442.D
 Acq On : 22 Oct 2021 16:24
 Operator : SY/MD
 Sample : M4311-01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-2-102121

Quant Time: Oct 23 07:22:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102221S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 23 06:59:04 2021
 Response via : Initial Calibration

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

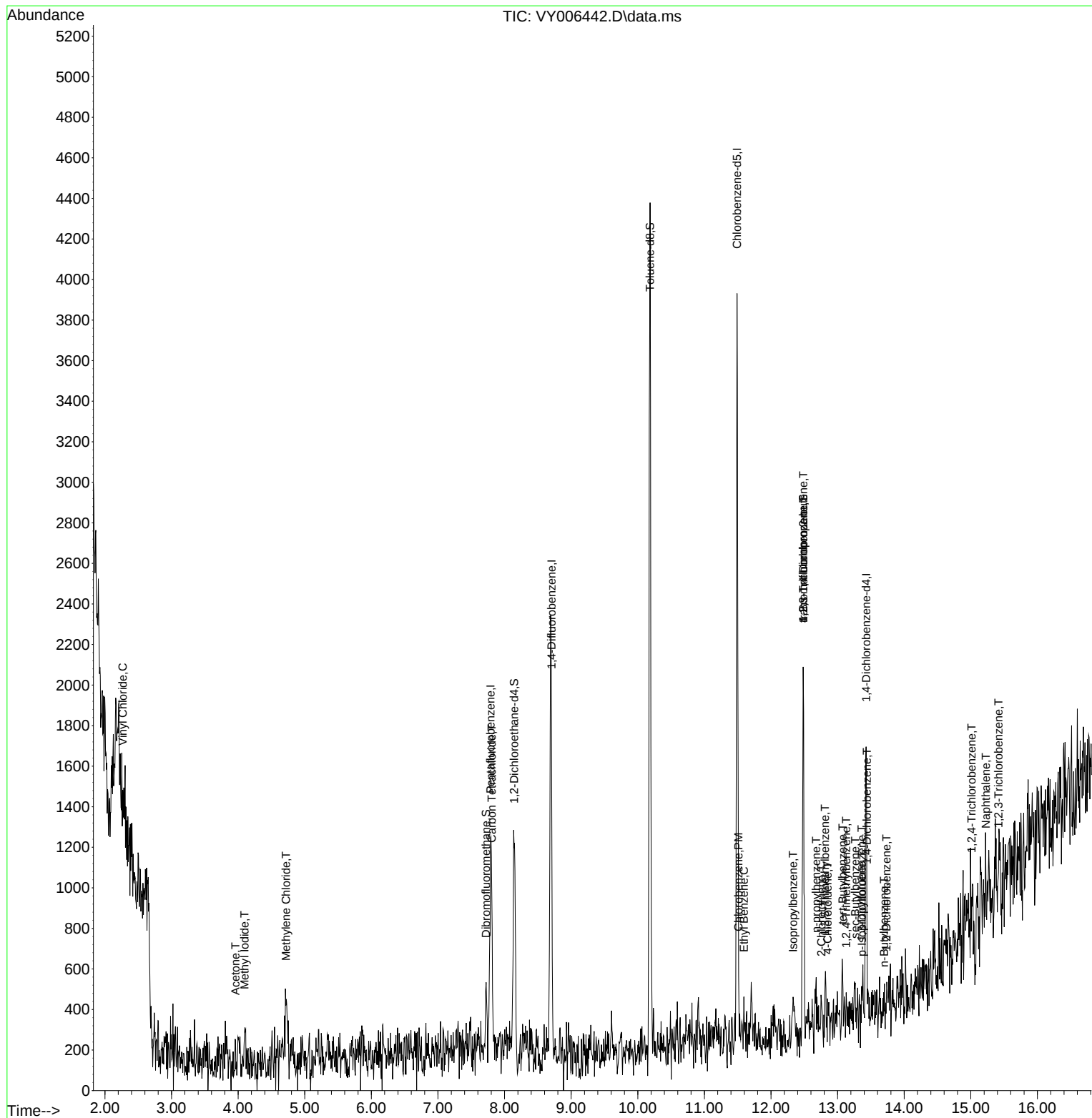
Internal Standards						
1) Pentafluorobenzene	7.789	168	1294	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.704	114	2220	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	1948	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	379	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	1072	67.322	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	134.640%		
35) Dibromofluoromethane	7.722	113	261	21.093	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	42.180%#		
50) Toluene-d8	10.185	98	2851	54.353	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	108.700%		
62) 4-Bromofluorobenzene	12.483	95	662	37.466	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	74.940%		
Target Compounds						Qvalue
4) Vinyl Chloride	2.266	62	72	3.993	ug/l #	44
10) Methyl Iodide	4.095	142	105	12.464	ug/l #	36
16) Acetone	3.960	43	41	8.942	ug/l #	46
20) Methylene Chloride	4.716	84	140	6.316	ug/l #	51
38) Carbon Tetrachloride	7.807	117	93	3.843	ug/l #	12
65) Chlorobenzene	11.514	112	43	1.134	ug/l #	42
67) Ethyl Benzene	11.593	91	80	1.108	ug/l #	44
73) Isopropylbenzene	12.331	105	123	4.639	ug/l #	48
76) 1,2,3-Trichloropropane	12.483	75	370	94.738	ug/l #	100
78) n-propylbenzene	12.678	91	180	5.494	ug/l #	53
79) 2-Chlorotoluene	12.758	91	71	3.914	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.813	105	123	5.541	ug/l #	29
81) trans-1,4-Dichloro-2-b...	12.483	75	370	194.494	ug/l #	7
82) 4-Chlorotoluene	12.849	91	135	7.143	ug/l #	41
83) tert-Butylbenzene	13.075	119	172	9.016	ug/l #	66
84) 1,2,4-Trimethylbenzene	13.130	105	56	2.523	ug/l #	31
85) sec-Butylbenzene	13.264	105	125	4.364	ug/l #	56
86) p-Isopropyltoluene	13.367	119	153	6.261	ug/l #	50
87) 1,3-Dichlorobenzene	13.361	146	52	4.148	ug/l #	25
88) 1,4-Dichlorobenzene	13.440	146	89	7.221	ug/l #	25
89) n-Butylbenzene	13.697	91	74	3.219	ug/l #	33
91) 1,2-Dichlorobenzene	13.733	146	60	5.457	ug/l #	25
93) 1,2,4-Trichlorobenzene	15.013	180	22	3.031	ug/l #	13
95) Naphthalene	15.227	128	104	7.320	ug/l #	68
96) 1,2,3-Trichlorobenzene	15.416	180	22	3.461	ug/l #	12

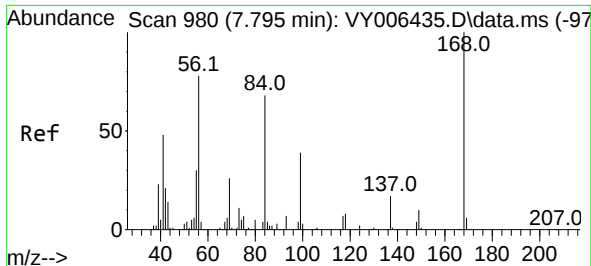
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102221\
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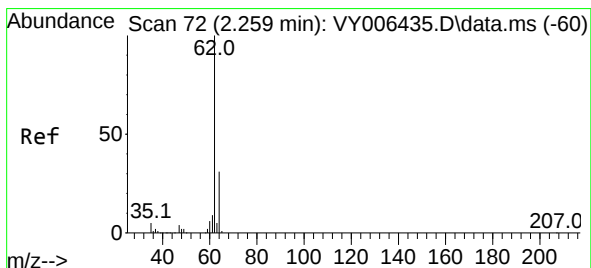
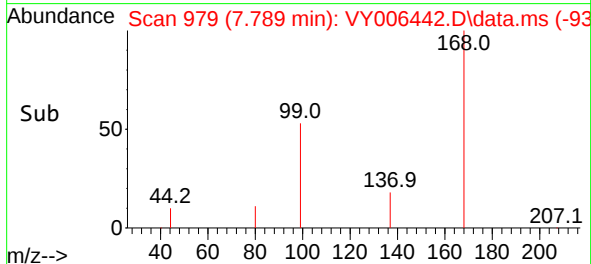
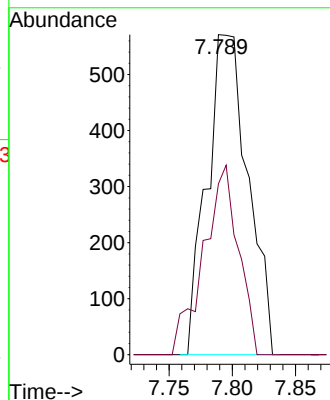
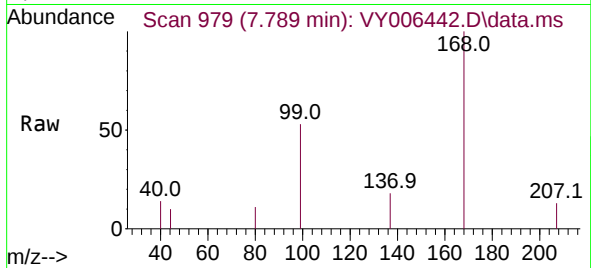




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY006442.D
Acq: 22 Oct 2021 16:24

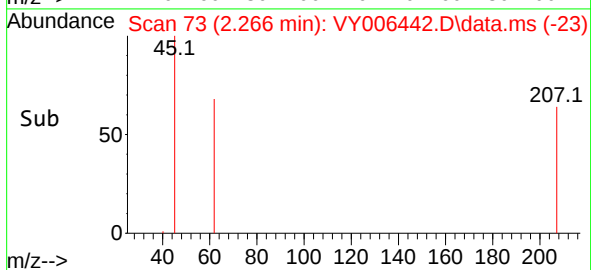
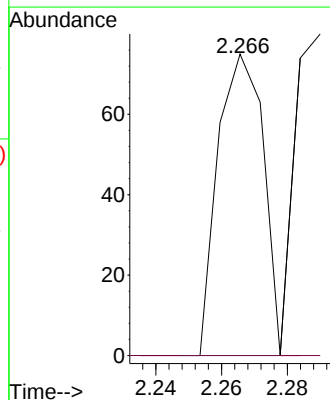
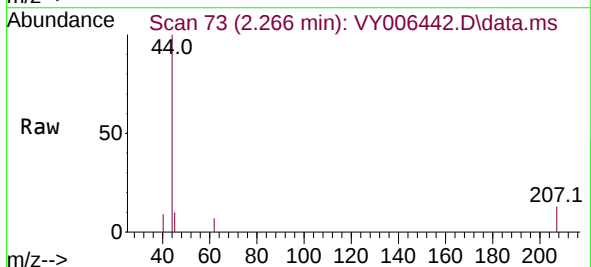
Instrument :
MSVOA_Y
ClientSampleId :
OR-2-102121

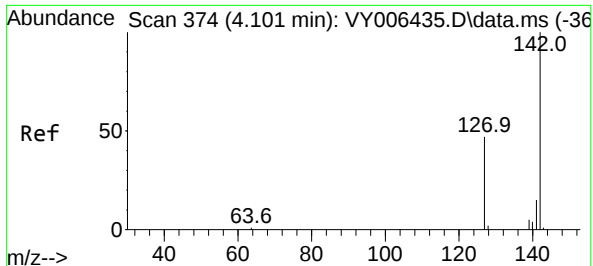
Tgt Ion:168 Resp: 1294
Ion Ratio Lower Upper
168 100
99 53.4 44.8 67.2



#4
Vinyl Chloride
Concen: 3.993 ug/l
RT: 2.266 min Scan# 73
Delta R.T. 0.006 min
Lab File: VY006442.D
Acq: 22 Oct 2021 16:24

Tgt Ion: 62 Resp: 72
Ion Ratio Lower Upper
62 100
64 0.0 24.7 37.1#





#10

Methyl Iodide

Concen: 12.464 ug/l

RT: 4.095 min Scan# 31

Delta R.T. -0.006 min

Lab File: VY006442.D

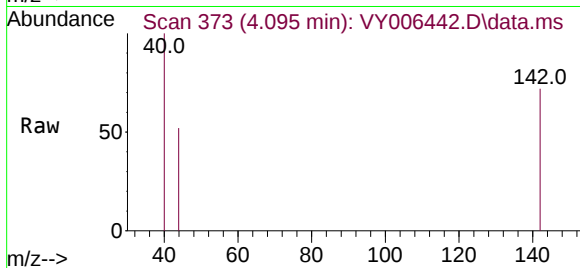
Acq: 22 Oct 2021 16:24

Instrument :

MSVOA_Y

ClientSampleId :

OR-2-102121



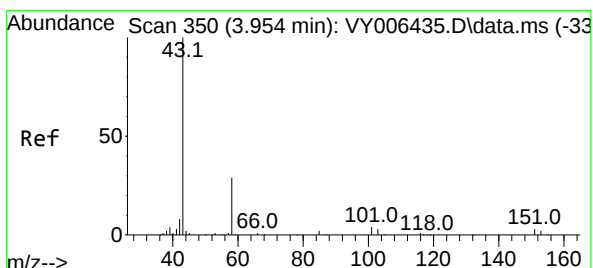
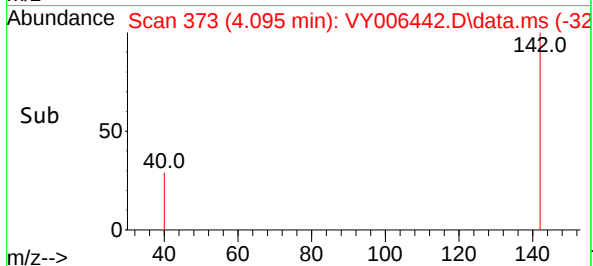
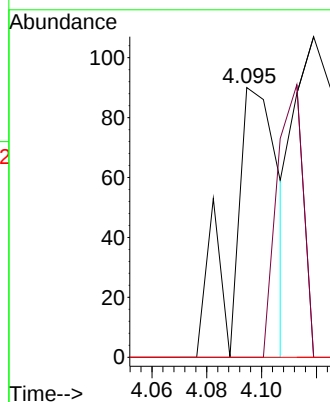
Tgt Ion:142 Resp: 105

Ion Ratio Lower Upper

142 100

127 0.0 40.1 60.1#

141 0.0 12.5 18.7#



#16

Acetone

Concen: 8.942 ug/l

RT: 3.960 min Scan# 351

Delta R.T. 0.006 min

Lab File: VY006442.D

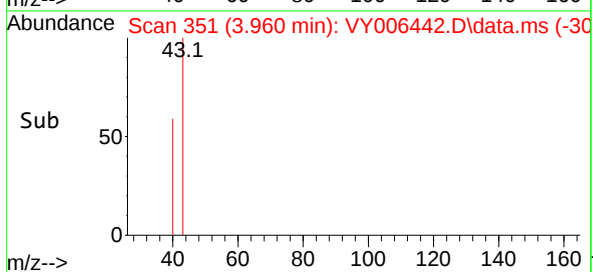
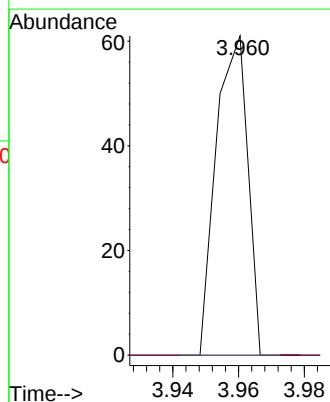
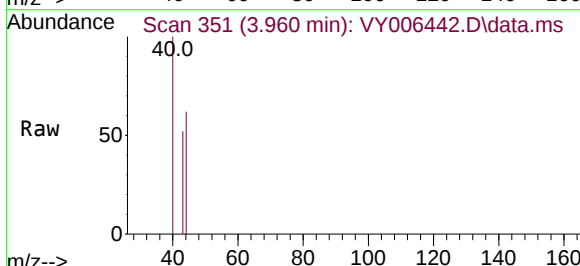
Acq: 22 Oct 2021 16:24

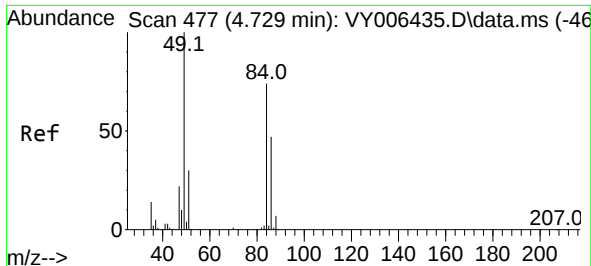
Tgt Ion: 43 Resp: 41

Ion Ratio Lower Upper

43 100

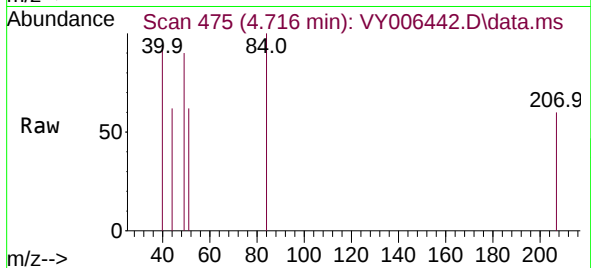
58 0.0 22.9 34.3#



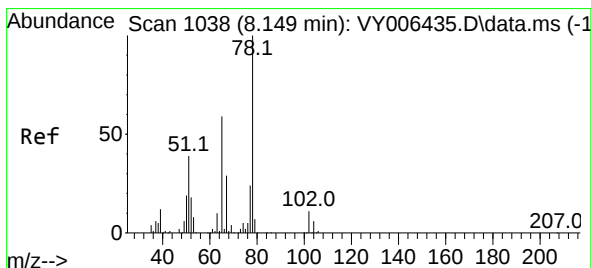
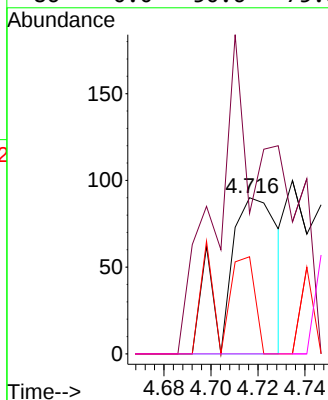
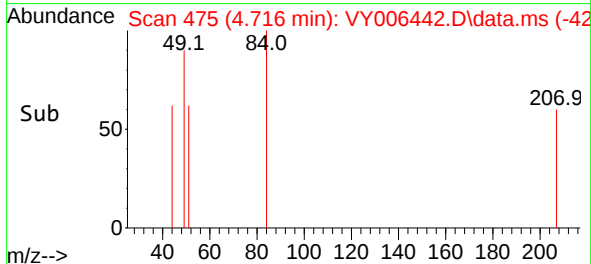


#20
Methylene Chloride
Concen: 6.316 ug/l
RT: 4.716 min Scan# 41
Delta R.T. -0.013 min
Lab File: VY006442.D
Acq: 22 Oct 2021 16:24

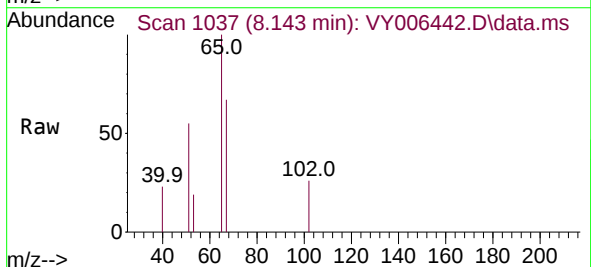
Instrument :
MSVOA_Y
ClientSampleId :
OR-2-102121



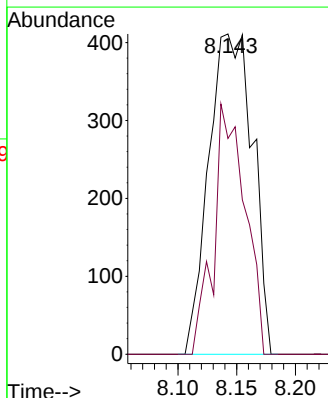
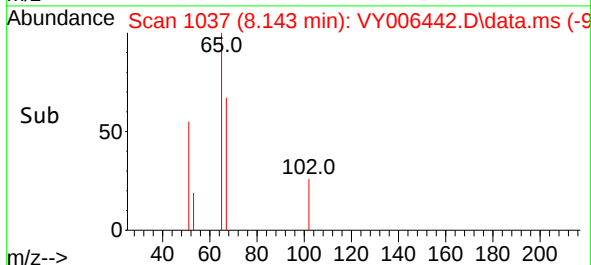
Tgt Ion: 84 Resp: 140
Ion Ratio Lower Upper
84 100
49 90.0 107.8 161.8#
51 62.2 32.8 49.2#
86 0.0 50.6 75.8#

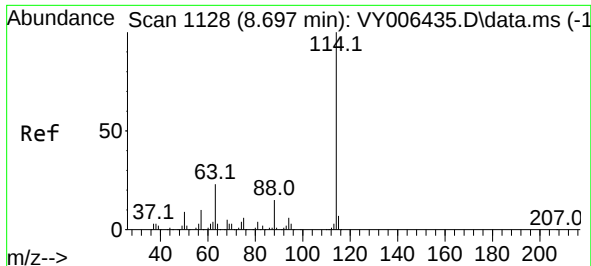


#33
1,2-Dichloroethane-d4
Concen: 67.322 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VY006442.D
Acq: 22 Oct 2021 16:24



Tgt Ion: 65 Resp: 1072
Ion Ratio Lower Upper
65 100
67 55.5 0.0 98.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.704 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VY006442.D

Acq: 22 Oct 2021 16:24

Instrument :

MSVOA_Y

ClientSampleId :

OR-2-102121

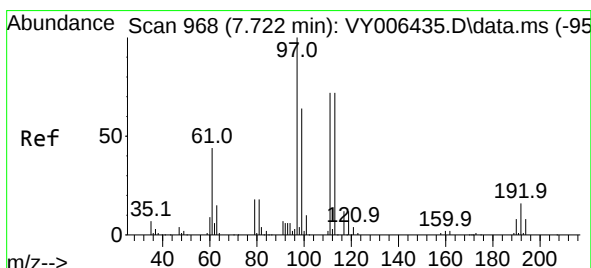
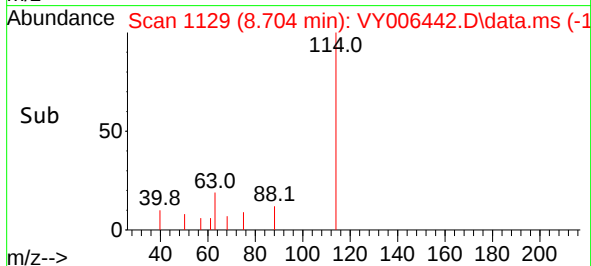
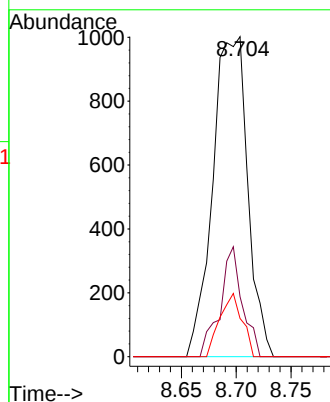
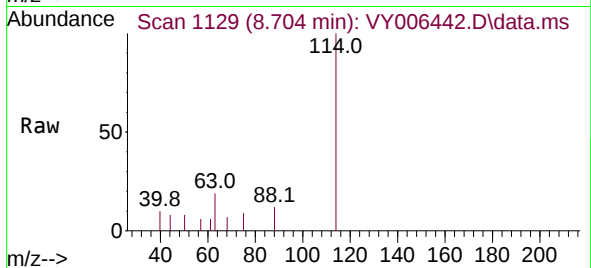
Tgt Ion:114 Resp: 2220

Ion Ratio Lower Upper

114 100

63 18.8 0.0 45.0

88 12.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 21.093 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.000 min

Lab File: VY006442.D

Acq: 22 Oct 2021 16:24

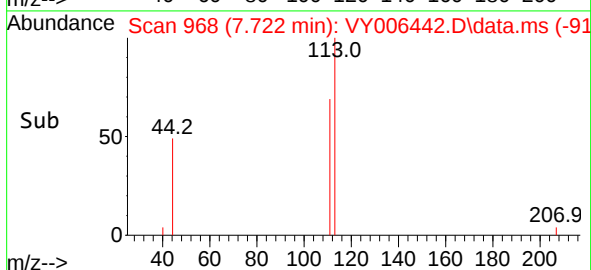
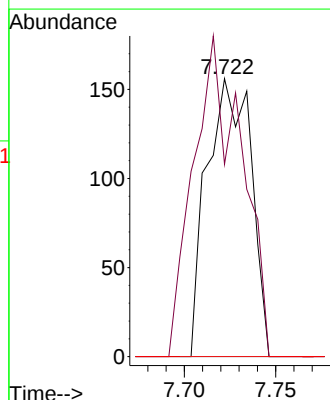
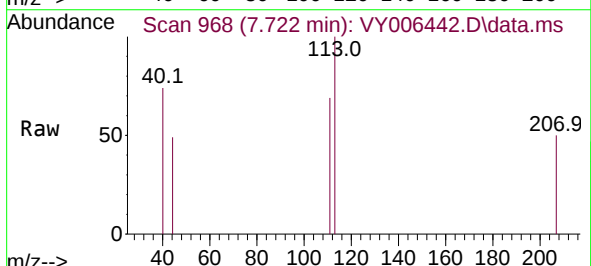
Tgt Ion:113 Resp: 261

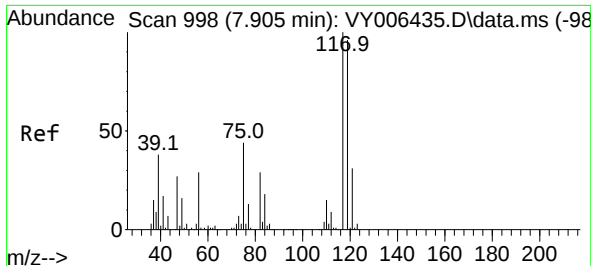
Ion Ratio Lower Upper

113 100

111 125.3 82.3 123.5#

192 0.0 17.4 26.2#

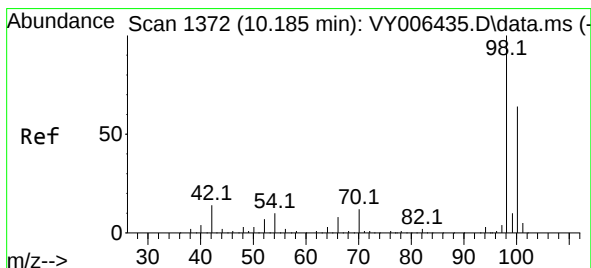
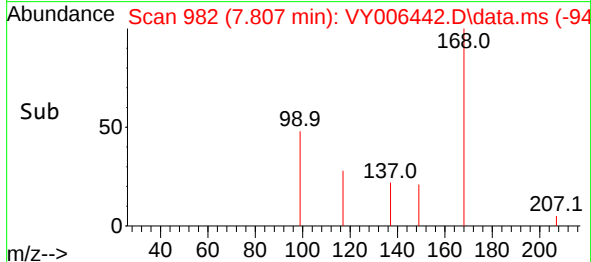
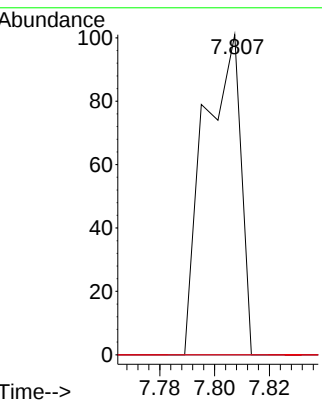
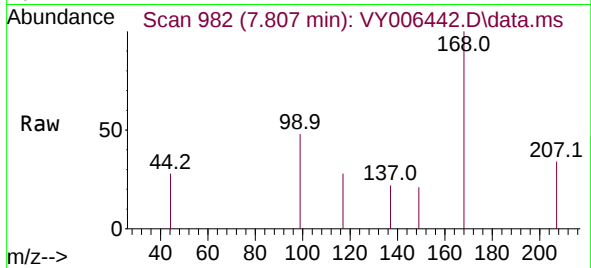




#38
Carbon Tetrachloride
Concen: 3.843 ug/l
RT: 7.807 min Scan# 91
Delta R.T. -0.097 min
Lab File: VY006442.D
Acq: 22 Oct 2021 16:24

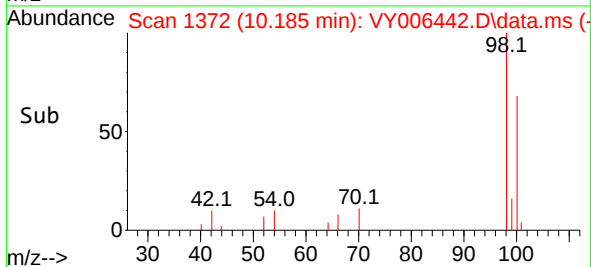
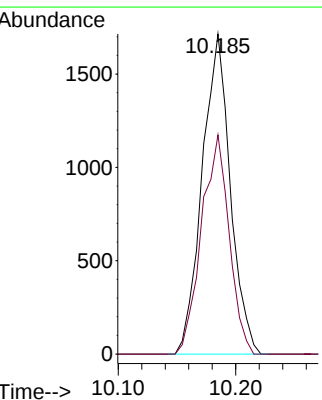
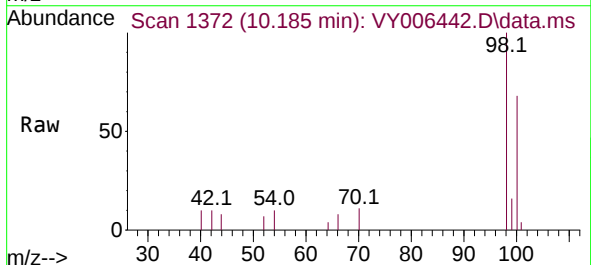
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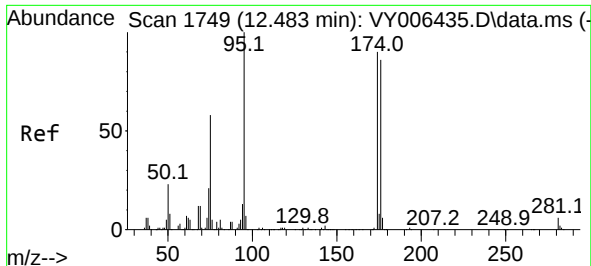
Tgt Ion:117 Resp: 93
Ion Ratio Lower Upper
117 100
119 0.0 76.6 115.0#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 54.353 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY006442.D
Acq: 22 Oct 2021 16:24

Tgt Ion: 98 Resp: 2851
Ion Ratio Lower Upper
98 100
100 67.2 50.9 76.3

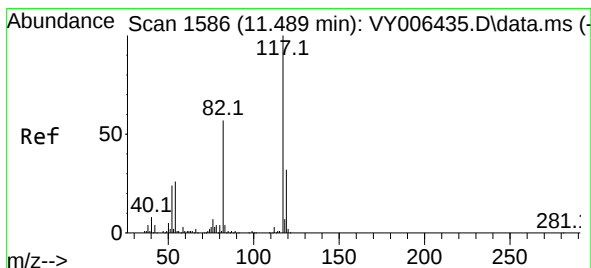
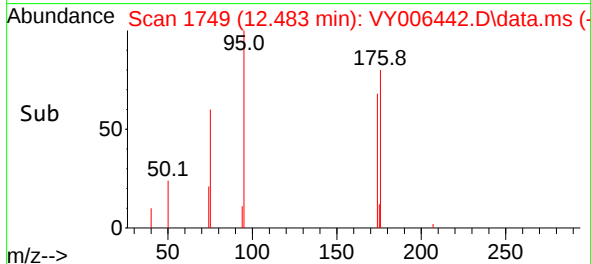
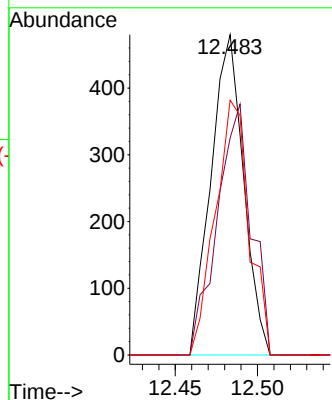
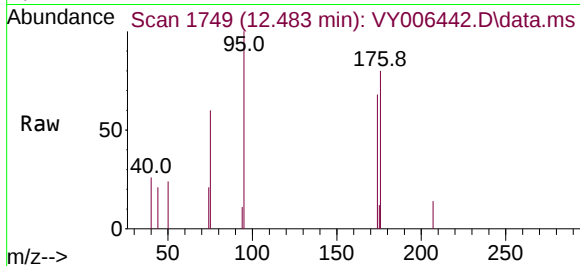




#62
4-Bromofluorobenzene
Concen: 37.466 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY006442.D
Acq: 22 Oct 2021 16:24

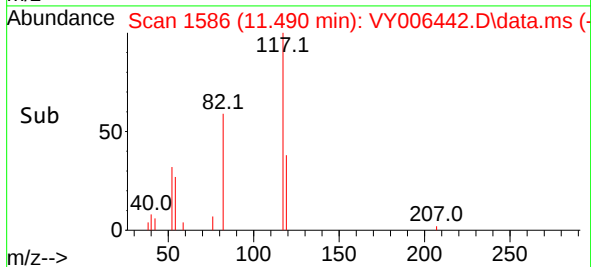
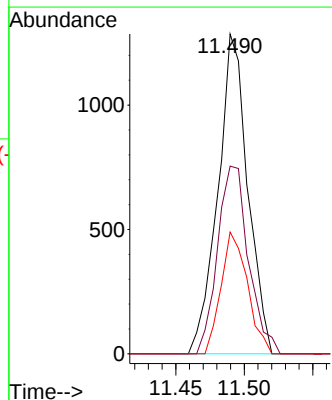
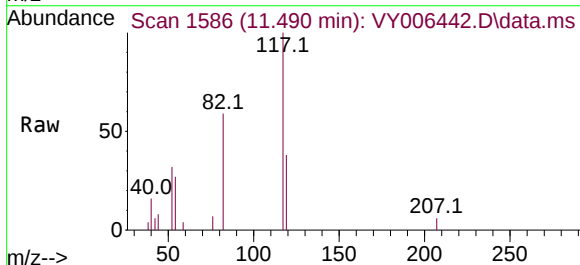
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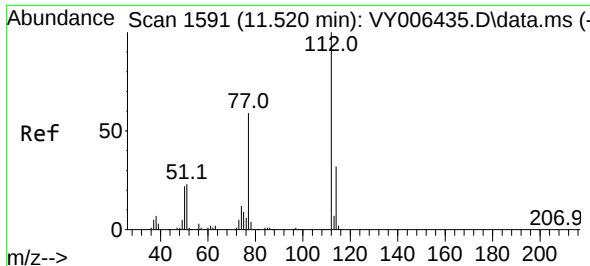
Tgt Ion: 95	Resp: 662
Ion Ratio	Lower Upper
95 100	
174 82.2	0.0 177.0
176 82.2	0.0 169.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY006442.D
Acq: 22 Oct 2021 16:24

Tgt Ion:117	Resp:	1948	
Ion	Ratio	Lower	Upper
117	100		
82	58.7	45.7	68.5
119	38.1	25.5	38.3

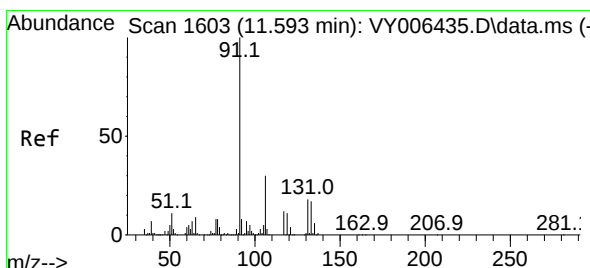
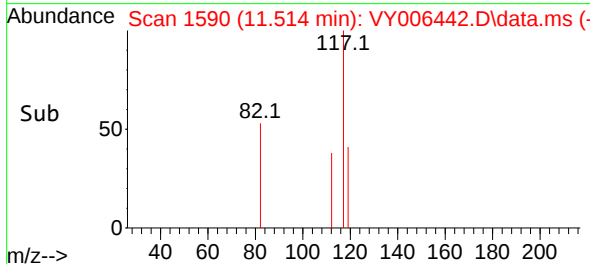
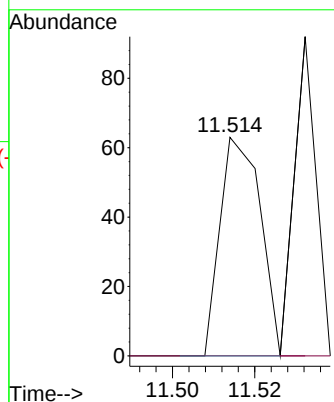
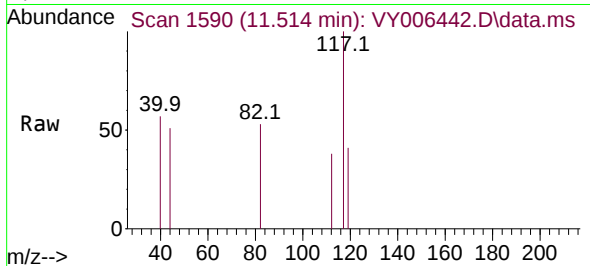




#65
Chlorobenzene
Concen: 1.134 ug/l
RT: 11.514 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY006442.D
Acq: 22 Oct 2021 16:24

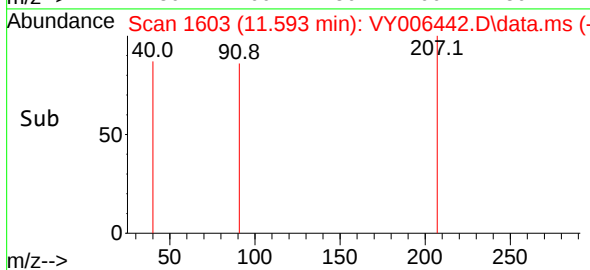
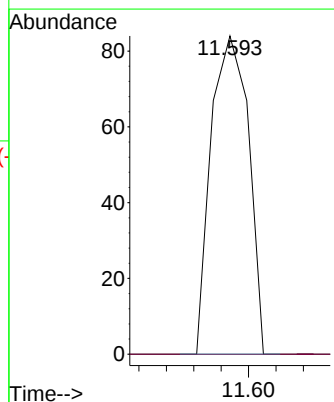
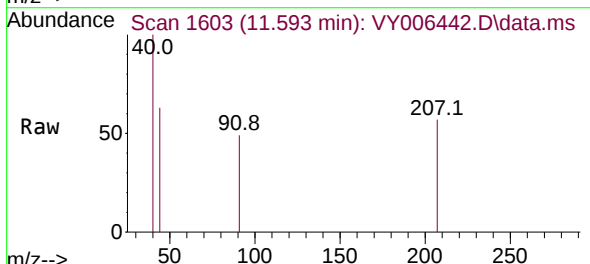
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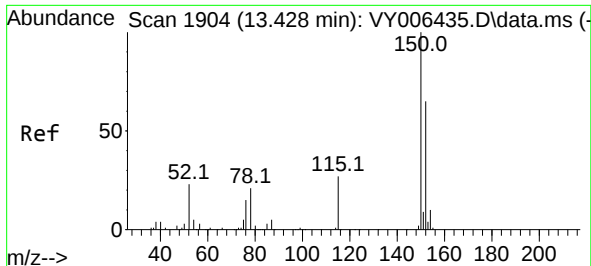
Tgt Ion:112 Resp: 43
Ion Ratio Lower Upper
112 100
114 0.0 25.8 38.8#



#67
Ethyl Benzene
Concen: 1.108 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.000 min
Lab File: VY006442.D
Acq: 22 Oct 2021 16:24

Tgt Ion: 91 Resp: 80
Ion Ratio Lower Upper
91 100
106 0.0 24.2 36.4#

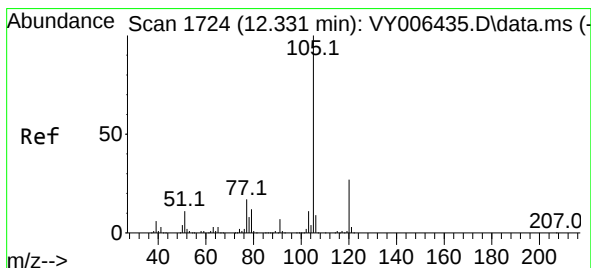
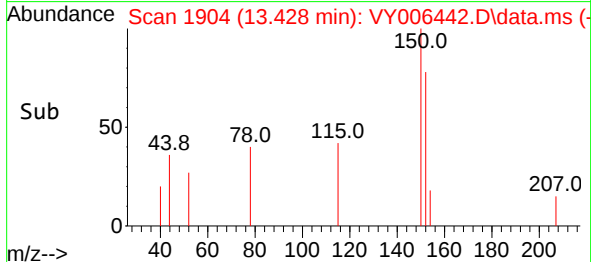
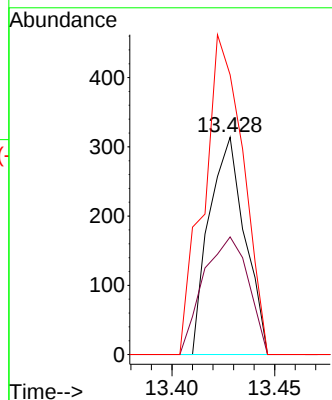
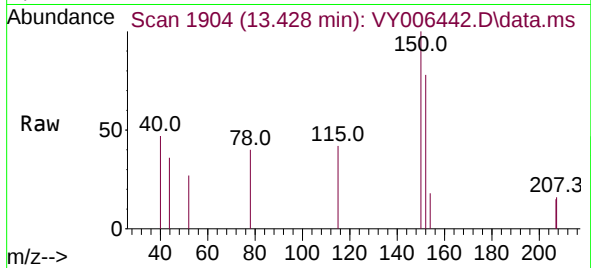




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY006442.D
Acq: 22 Oct 2021 16:24

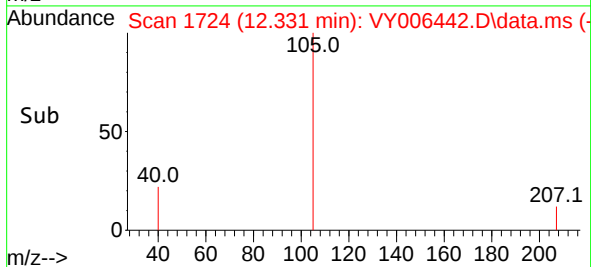
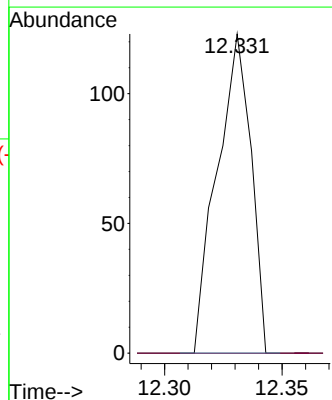
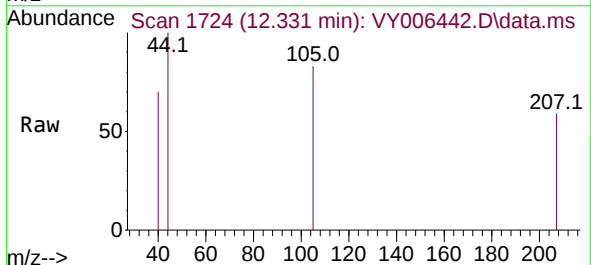
Instrument :
MSVOA_Y
ClientSampleId :
OR-2-102121

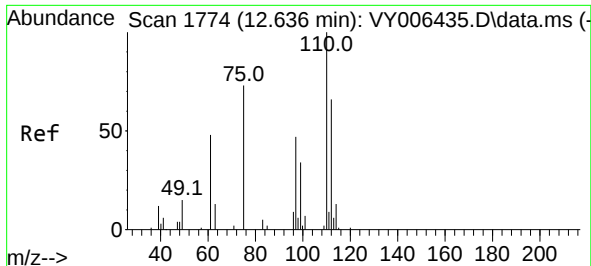
Tgt Ion:152 Resp: 379
Ion Ratio Lower Upper
152 100
115 68.1 28.5 85.5
150 162.5 0.0 348.2



#73
Isopropylbenzene
Concen: 4.639 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. 0.000 min
Lab File: VY006442.D
Acq: 22 Oct 2021 16:24

Tgt Ion:105 Resp: 123
Ion Ratio Lower Upper
105 100
120 0.0 13.3 39.9#

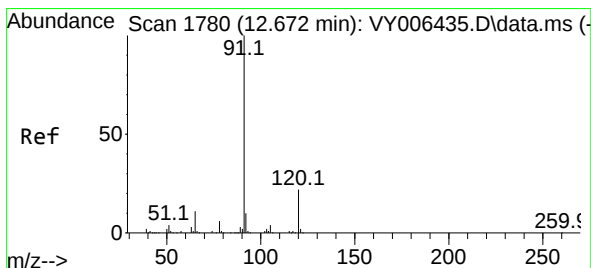
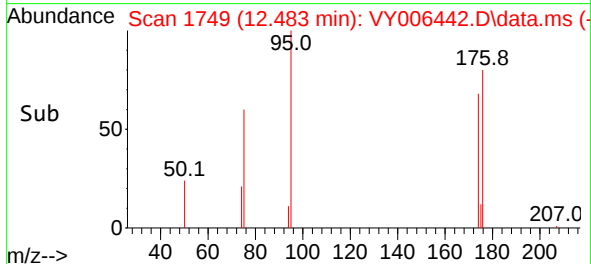
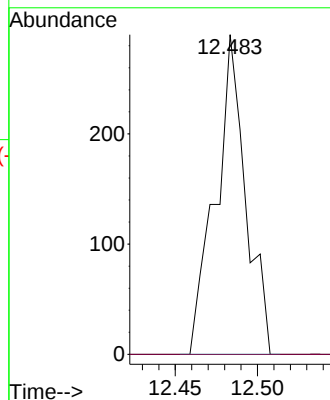
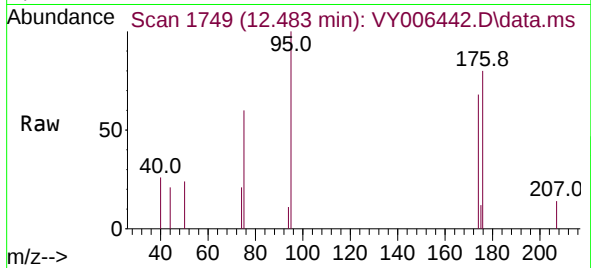




#76
1,2,3-Trichloropropane
Concen: 94.738 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY006442.D
Acq: 22 Oct 2021 16:24

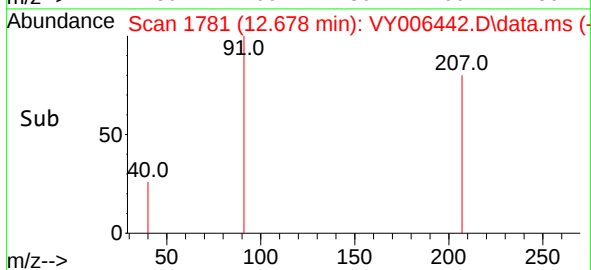
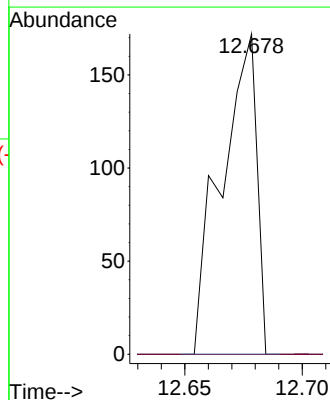
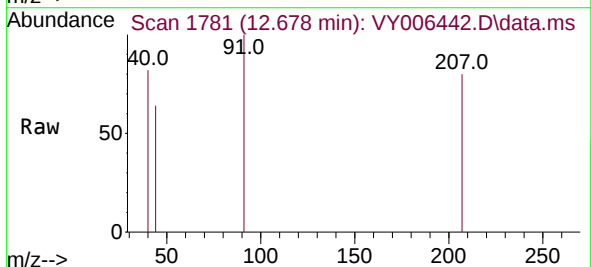
Instrument :
MSVOA_Y
ClientSampleId :
OR-2-102121

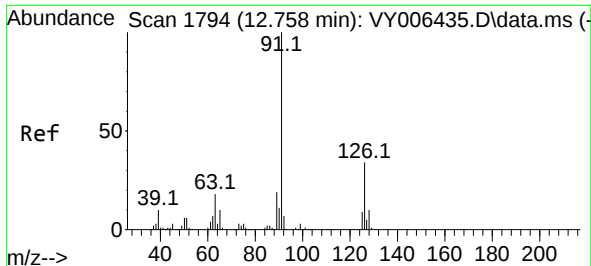
Tgt Ion: 75 Resp: 370
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#78
n-propylbenzene
Concen: 5.494 ug/l
RT: 12.678 min Scan# 1781
Delta R.T. 0.006 min
Lab File: VY006442.D
Acq: 22 Oct 2021 16:24

Tgt Ion: 91 Resp: 180
Ion Ratio Lower Upper
91 100
120 0.0 11.3 33.8#





#79

2-Chlorotoluene

Concen: 3.914 ug/l

RT: 12.758 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY006442.D

Acq: 22 Oct 2021 16:24

Instrument :

MSVOA_Y

ClientSampleId :

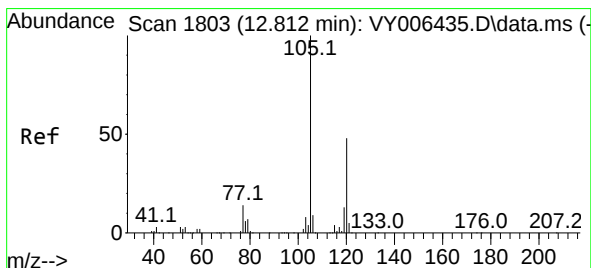
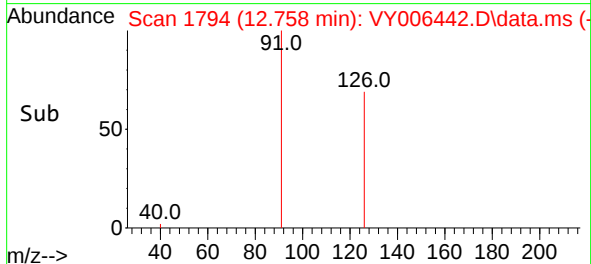
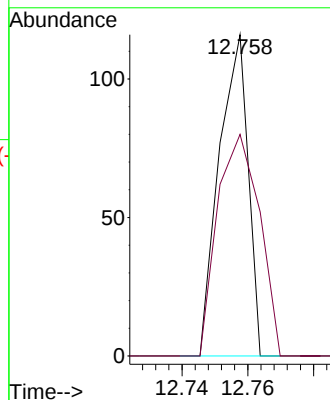
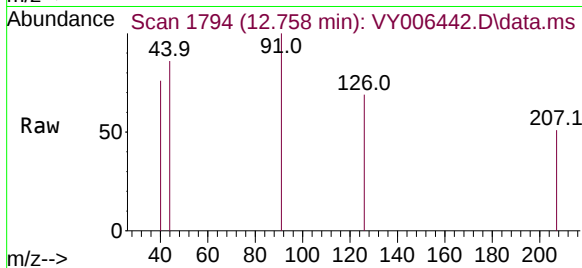
OR-2-102121

Tgt Ion: 91 Resp: 71

Ion Ratio Lower Upper

91 100

126 100.0 17.1 51.2#



#80

1,3,5-Trimethylbenzene

Concen: 5.541 ug/l

RT: 12.813 min Scan# 1803

Delta R.T. 0.000 min

Lab File: VY006442.D

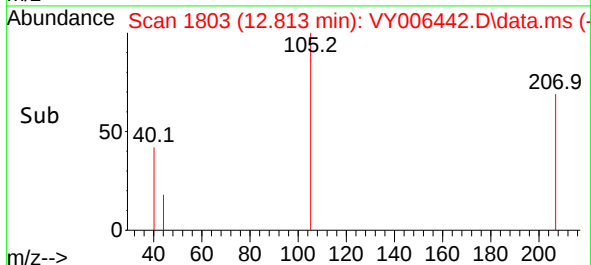
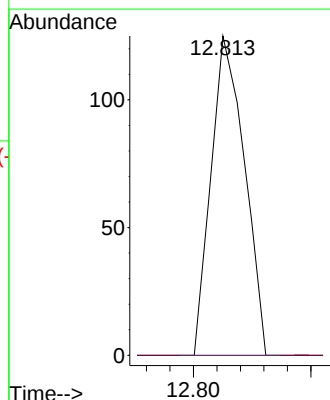
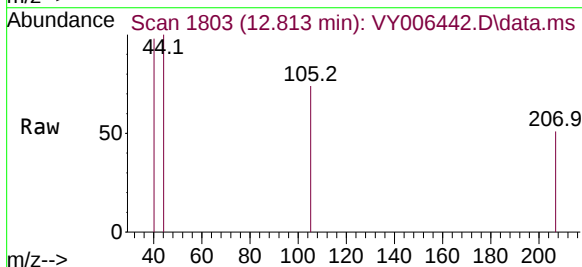
Acq: 22 Oct 2021 16:24

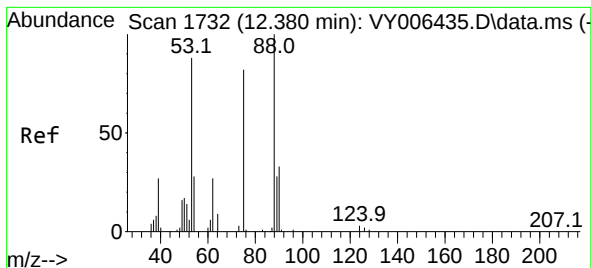
Tgt Ion: 105 Resp: 123

Ion Ratio Lower Upper

105 100

120 0.0 24.1 72.4#

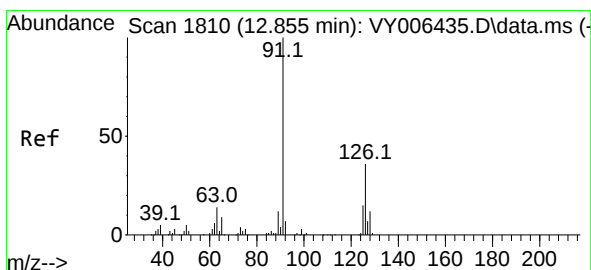
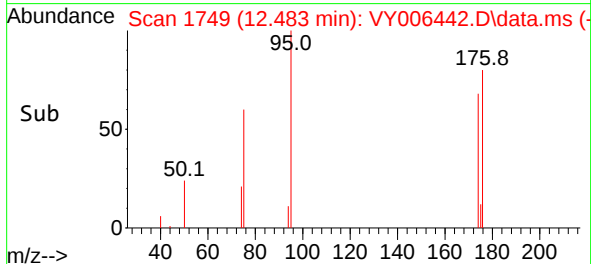
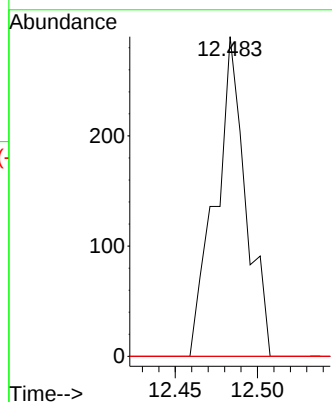
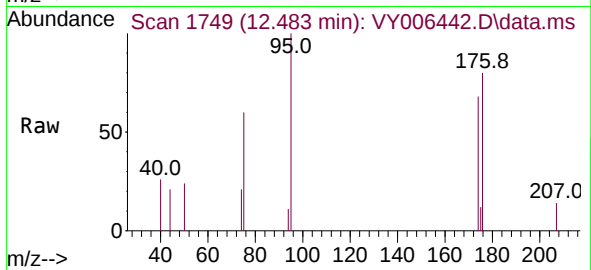




#81
trans-1,4-Dichloro-2-butene
Concen: 194.494 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY006442.D
Acq: 22 Oct 2021 16:24

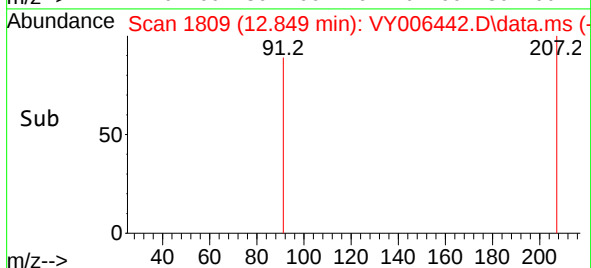
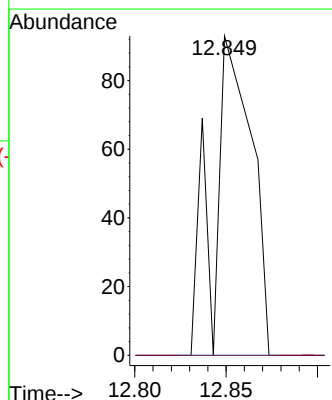
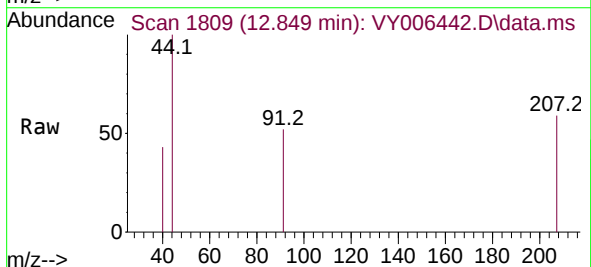
Instrument :
MSVOA_Y
ClientSampleId :
OR-2-102121

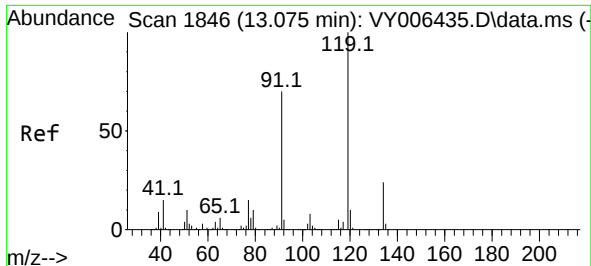
Tgt Ion: 75 Resp: 370
Ion Ratio Lower Upper
75 100
53 0.0 85.8 128.6#
89 0.0 39.3 58.9#



#82
4-Chlorotoluene
Concen: 7.143 ug/l
RT: 12.849 min Scan# 1809
Delta R.T. -0.006 min
Lab File: VY006442.D
Acq: 22 Oct 2021 16:24

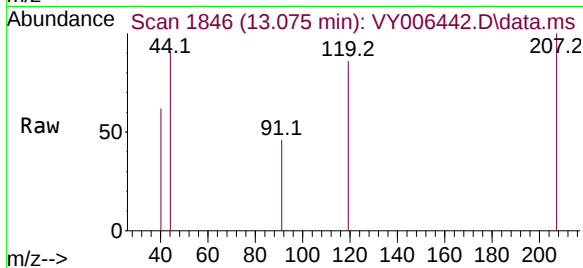
Tgt Ion: 91 Resp: 135
Ion Ratio Lower Upper
91 100
126 0.0 16.8 50.4#



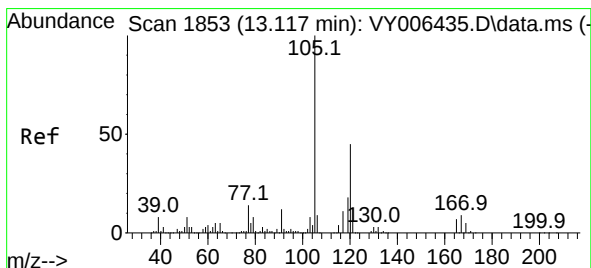
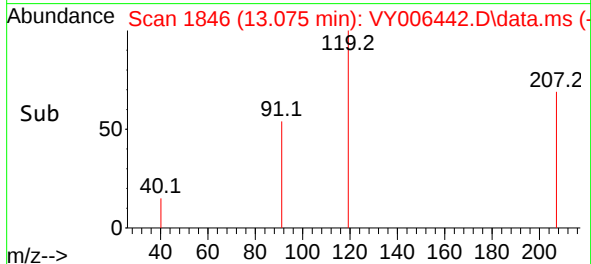
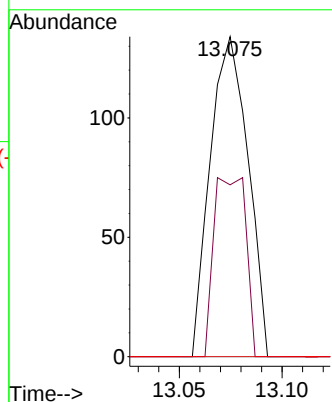


#83
tert-Butylbenzene
Concen: 9.016 ug/l
RT: 13.075 min Scan# 1846
Delta R.T. 0.000 min
Lab File: VY006442.D
Acq: 22 Oct 2021 16:24

Instrument :
MSVOA_Y
ClientSampleId :
OR-2-102121

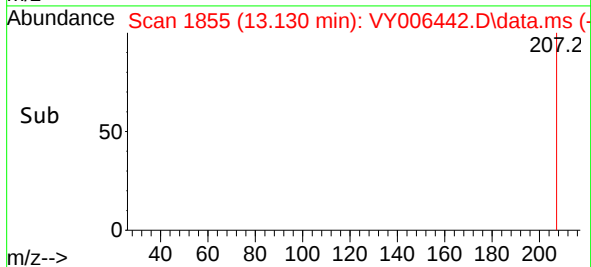
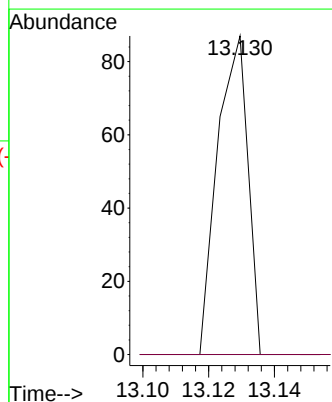
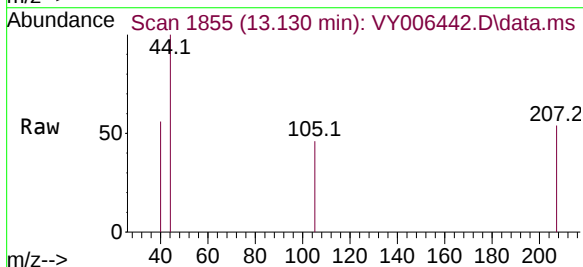


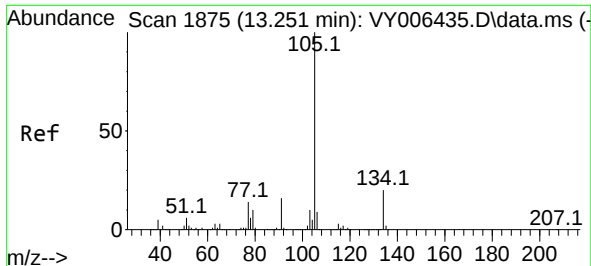
Tgt Ion:119 Resp: 172
Ion Ratio Lower Upper
119 100
91 47.1 34.8 104.5
134 0.0 13.0 38.9#



#84
1,2,4-Trimethylbenzene
Concen: 2.523 ug/l
RT: 13.130 min Scan# 1855
Delta R.T. 0.012 min
Lab File: VY006442.D
Acq: 22 Oct 2021 16:24

Tgt Ion:105 Resp: 56
Ion Ratio Lower Upper
105 100
120 0.0 22.6 67.8#

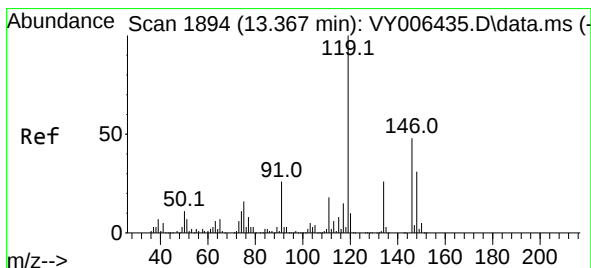
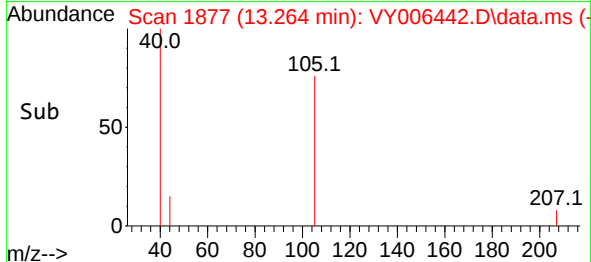
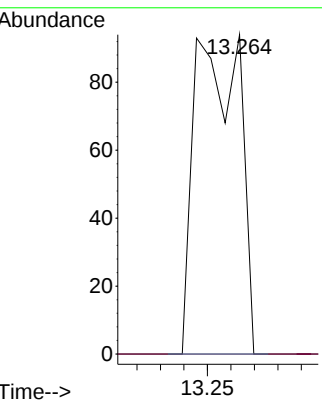
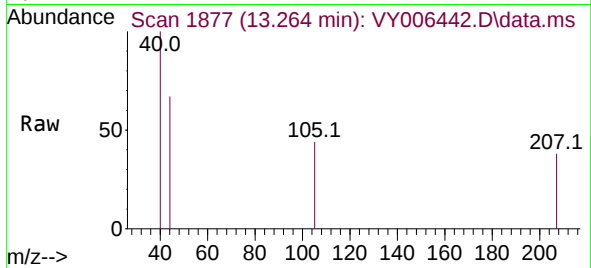




#85
 sec-Butylbenzene
 Concen: 4.364 ug/l
 RT: 13.264 min Scan# 1877
 Delta R.T. 0.012 min
 Lab File: VY006442.D
 Acq: 22 Oct 2021 16:24

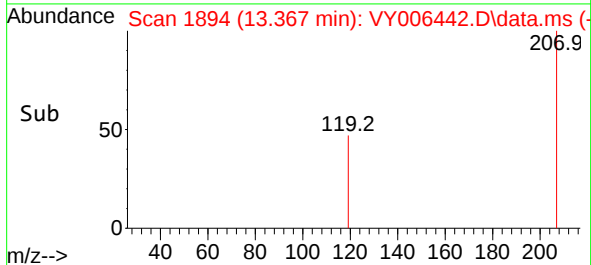
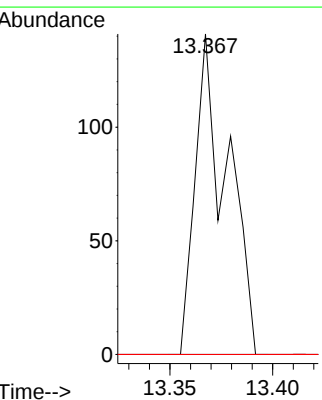
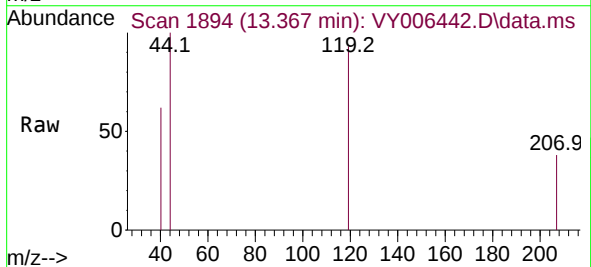
Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-2-102121

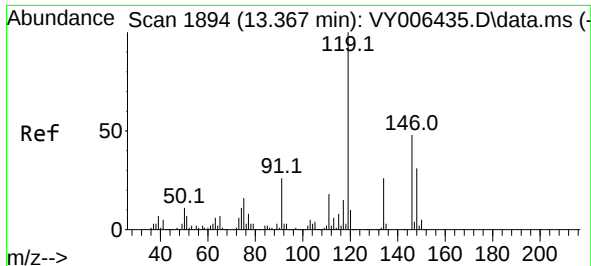
Tgt Ion:105 Resp: 125
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.1 30.3#



#86
 p-Isopropyltoluene
 Concen: 6.261 ug/l
 RT: 13.367 min Scan# 1894
 Delta R.T. 0.000 min
 Lab File: VY006442.D
 Acq: 22 Oct 2021 16:24

Tgt Ion:119 Resp: 153
 Ion Ratio Lower Upper
 119 100
 134 0.0 13.1 39.1#
 91 0.0 12.4 37.4#

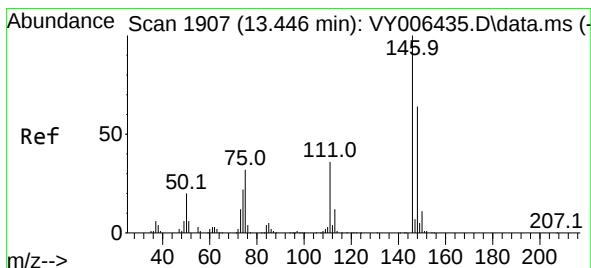
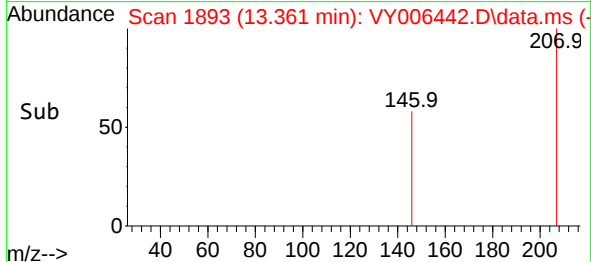
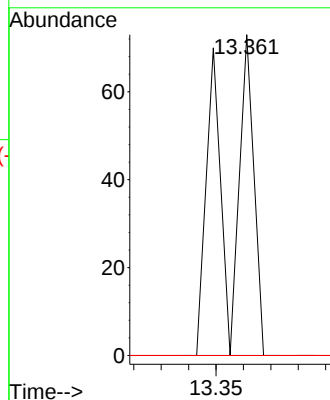
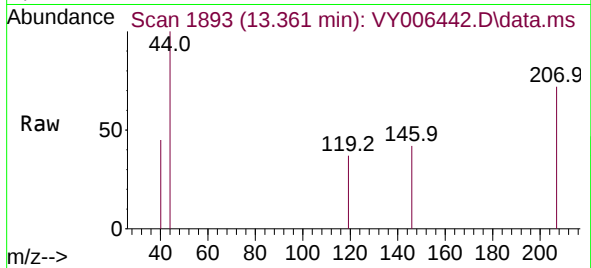




#87
1,3-Dichlorobenzene
Concen: 4.148 ug/l
RT: 13.361 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY006442.D
Acq: 22 Oct 2021 16:24

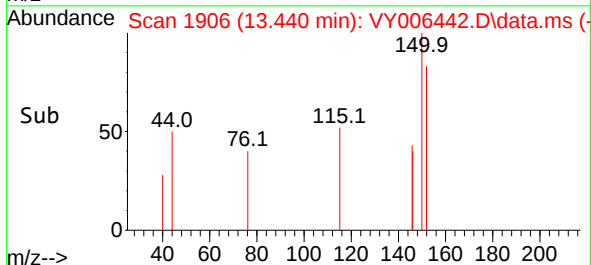
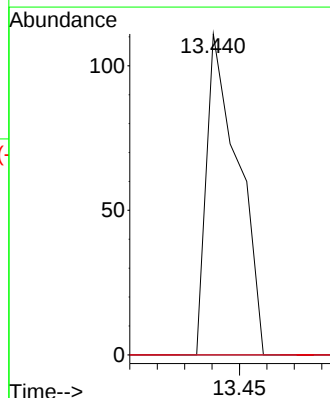
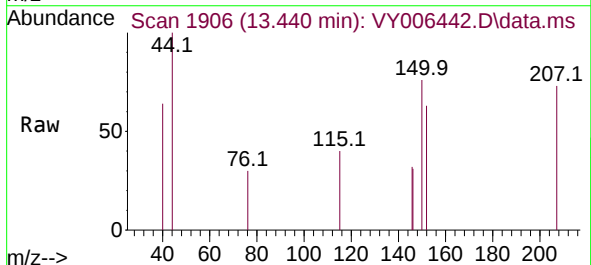
Instrument :
MSVOA_Y
ClientSampleId :
OR-2-102121

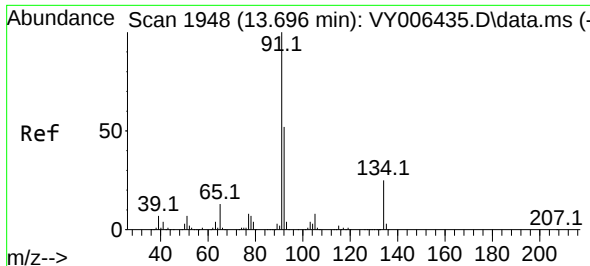
Tgt Ion:146 Resp: 52
Ion Ratio Lower Upper
146 100
111 0.0 19.3 57.9#
148 0.0 31.9 95.7#



#88
1,4-Dichlorobenzene
Concen: 7.221 ug/l
RT: 13.440 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY006442.D
Acq: 22 Oct 2021 16:24

Tgt Ion:146 Resp: 89
Ion Ratio Lower Upper
146 100
111 0.0 18.9 56.5#
148 0.0 32.0 96.2#

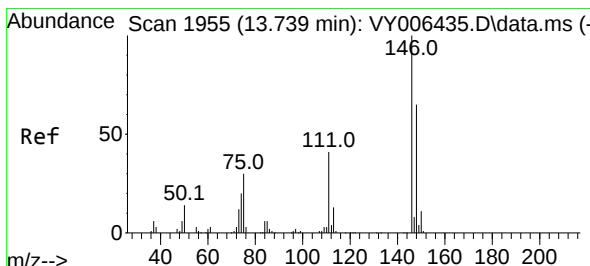
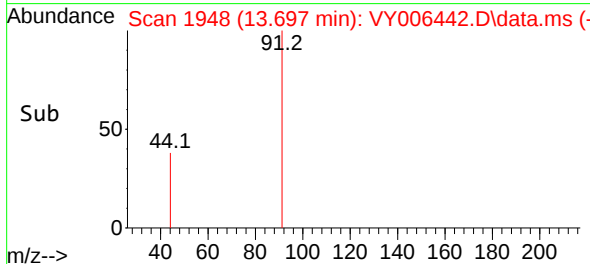
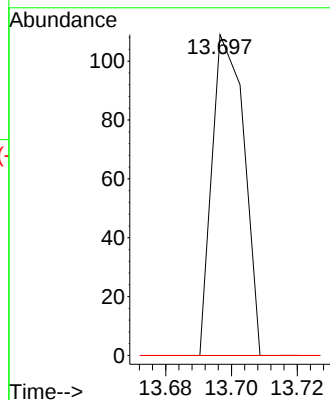
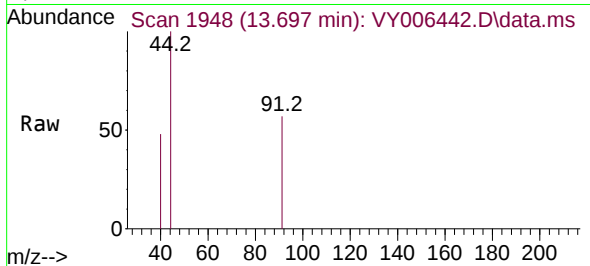




#89
n-Butylbenzene
Concen: 3.219 ug/l
RT: 13.697 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY006442.D
Acq: 22 Oct 2021 16:24

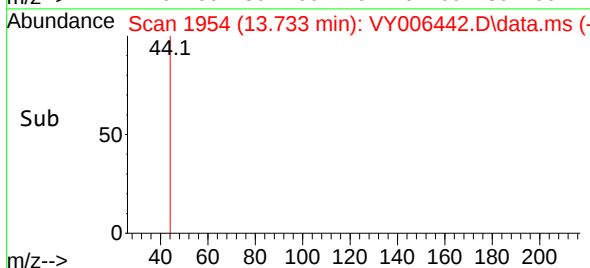
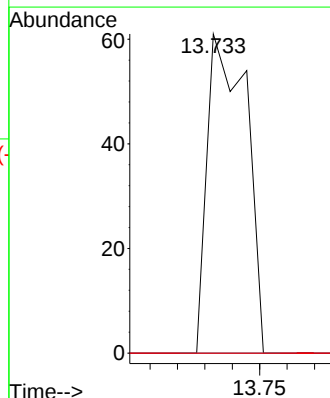
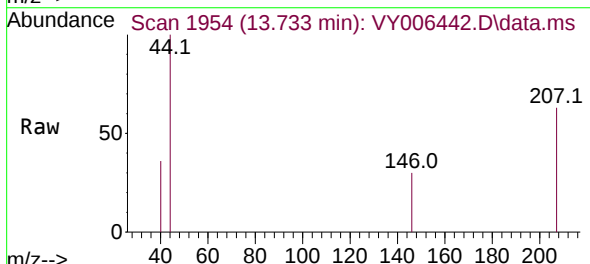
Instrument :
MSVOA_Y
ClientSampleId :
OR-2-102121

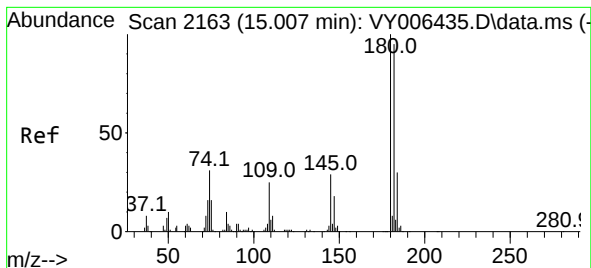
Tgt Ion:	91	Resp:	74
Ion	Ratio	Lower	Upper
91	100		
92	0.0	26.3	78.9#
134	0.0	12.9	38.7#



#91
1,2-Dichlorobenzene
Concen: 5.457 ug/l
RT: 13.733 min Scan# 1954
Delta R.T. -0.006 min
Lab File: VY006442.D
Acq: 22 Oct 2021 16:24

Tgt Ion:	146	Resp:	60
Ion	Ratio	Lower	Upper
146	100		
111	0.0	20.1	60.3#
148	0.0	31.9	95.7#





#93

1,2,4-Trichlorobenzene

Concen: 3.031 ug/l

RT: 15.013 min Scan# 2163

Delta R.T. 0.006 min

Lab File: VY006442.D

Acq: 22 Oct 2021 16:24

Instrument :

MSVOA_Y

ClientSampleId :

OR-2-102121

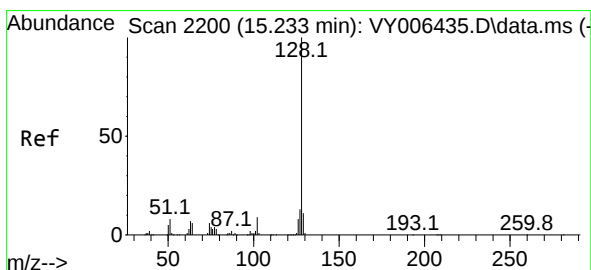
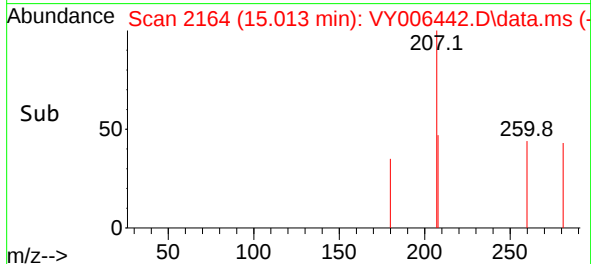
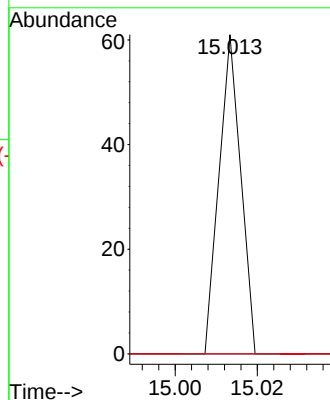
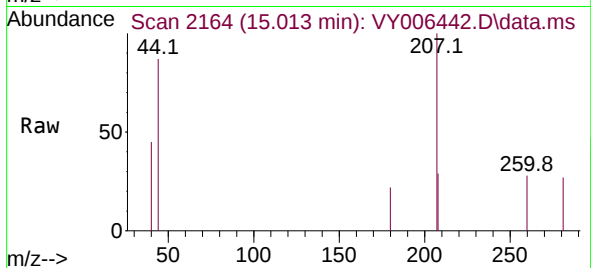
Tgt Ion:180 Resp: 22

Ion Ratio Lower Upper

180 100

182 0.0 47.1 141.4#

145 0.0 14.5 43.6#



#95

Naphthalene

Concen: 7.320 ug/l

RT: 15.227 min Scan# 2199

Delta R.T. -0.006 min

Lab File: VY006442.D

Acq: 22 Oct 2021 16:24

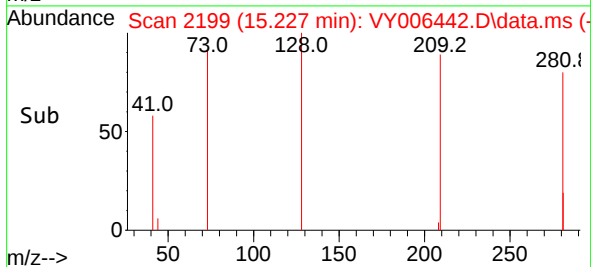
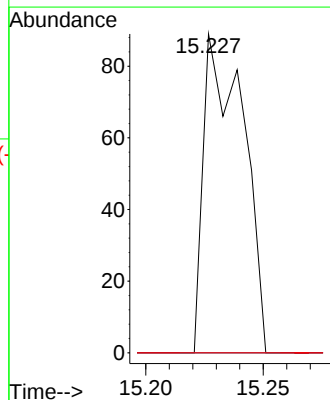
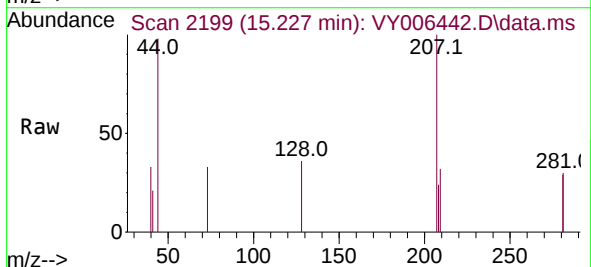
Tgt Ion:128 Resp: 104

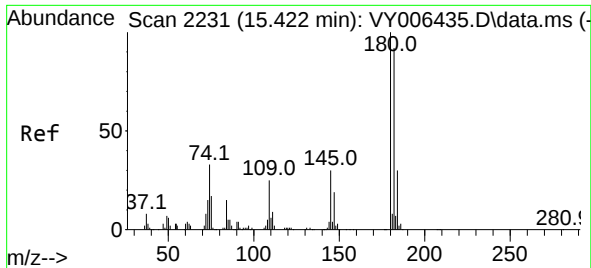
Ion Ratio Lower Upper

128 100

127 0.0 11.0 16.4#

129 0.0 8.9 13.3#





#96
 1,2,3-Trichlorobenzene
 Concen: 3.461 ug/l
 RT: 15.416 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VY006442.D
 Acq: 22 Oct 2021 16:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-2-102121

Tgt Ion:180 Resp: 22
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.8 143.4#
 145 0.0 15.3 45.8#

