

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110421\
 Data File : VY006625.D
 Acq On : 04 Nov 2021 17:28
 Operator : SY/MD
 Sample : M4454-06
 Misc : 4.99G/5ML/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 33104

Quant Time: Nov 05 13:59:56 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)

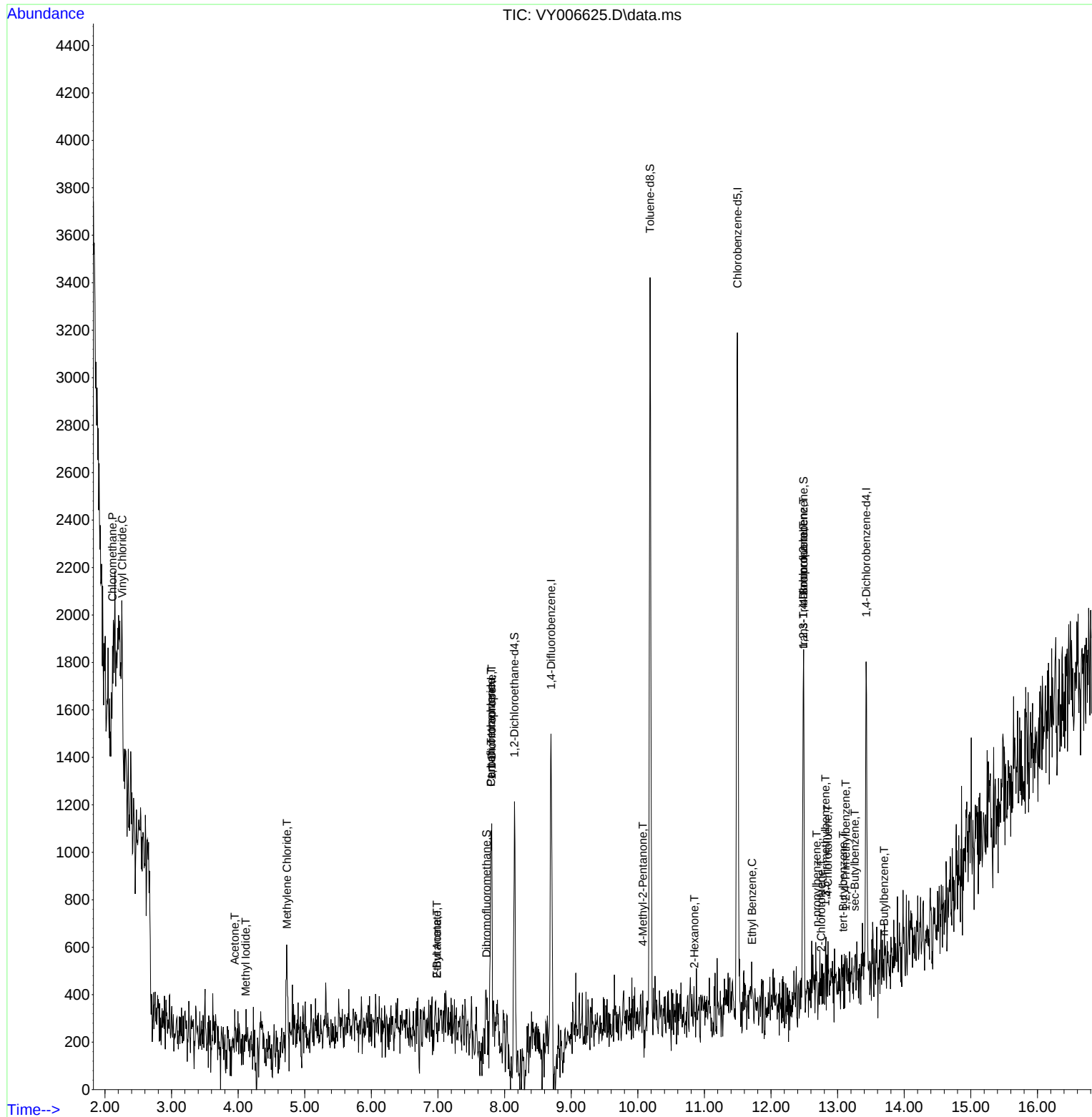
Internal Standards						
1) Pentafluorobenzene	7.795	168	912	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.697	114	1657	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	1742	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	344	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	790	70.393	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 140.780%	
35) Dibromofluoromethane	7.728	113	23	2.490	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 4.980%#	
50) Toluene-d8	10.185	98	2191	55.962	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 111.920%	
62) 4-Bromofluorobenzene	12.489	95	593	44.964	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 89.920%	
Target Compounds						Qvalue
3) Chloromethane	2.113	50	60	5.273	ug/l	# 43
4) Vinyl Chloride	2.259	62	48	3.777	ug/l	# 44
10) Methyl Iodide	4.113	142	151	20.168	ug/l	# 51
16) Acetone	3.948	43	53	16.401	ug/l	# 46
20) Methylene Chloride	4.735	84	144	11.231	ug/l	# 67
25) 2-Butanone	6.984	43	26	6.141	ug/l	# 52
36) 1,1-Dichloropropene	7.807	75	41	2.504	ug/l	# 42
37) Ethyl Acetate	6.984	43	26	2.509	ug/l	# 72
38) Carbon Tetrachloride	7.795	117	22	1.218	ug/l	# 12
51) 4-Methyl-2-Pentanone	10.075	43	23	2.183	ug/l	# 39
59) 2-Hexanone	10.849	43	20	2.623	ug/l	# 28
67) Ethyl Benzene	11.715	91	97	1.503	ug/l	# 44
76) 1,2,3-Trichloropropane	12.483	75	355	100.146	ug/l	# 100
78) n-propylbenzene	12.684	91	114	3.833	ug/l	# 53
79) 2-Chlorotoluene	12.751	91	40	2.430	ug/l	# 41
80) 1,3,5-Trimethylbenzene	12.818	105	56	2.779	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.483	75	355	205.596	ug/l	# 7
82) 4-Chlorotoluene	12.855	91	22	1.282	ug/l	# 41
83) tert-Butylbenzene	13.081	119	99	5.718	ug/l	# 24
84) 1,2,4-Trimethylbenzene	13.123	105	97	4.815	ug/l	# 31
85) sec-Butylbenzene	13.257	105	126	4.846	ug/l	# 56
89) n-Butylbenzene	13.696	91	60	2.876	ug/l	# 33

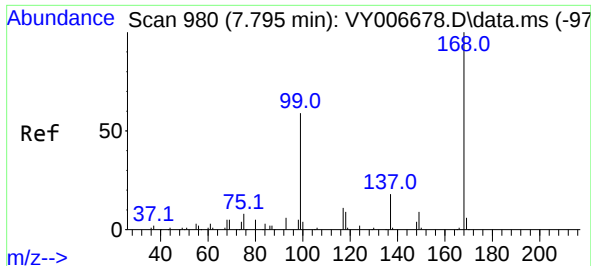
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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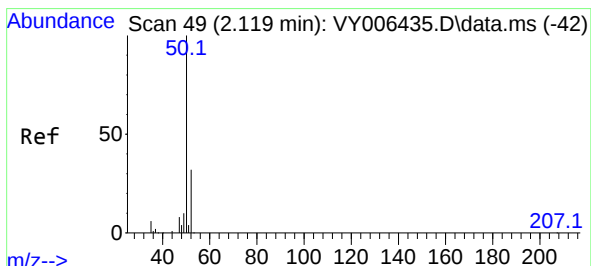
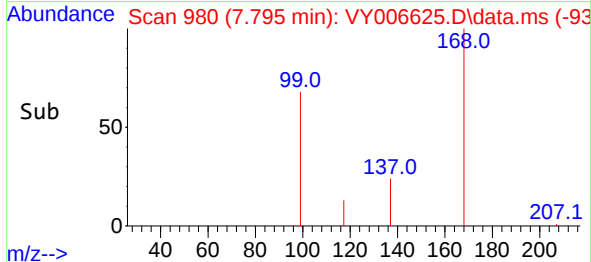
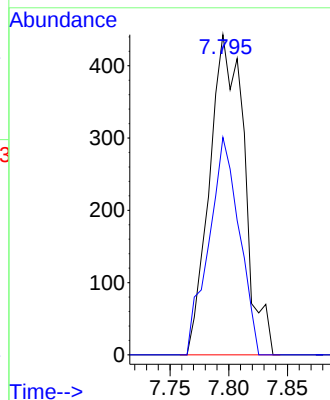
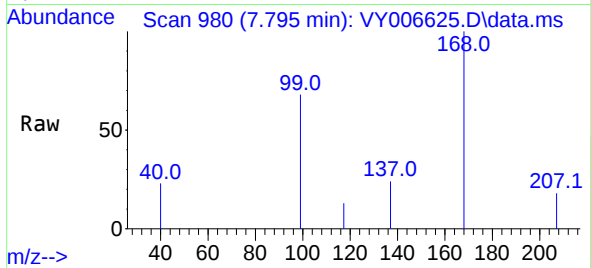




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY006625.D
Acq: 04 Nov 2021 17:28

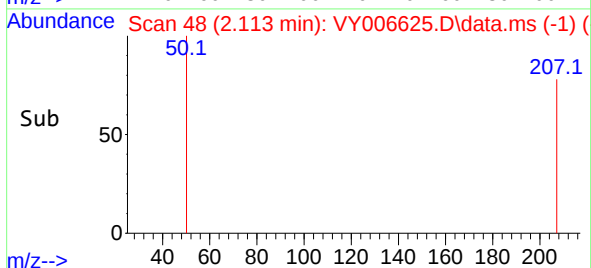
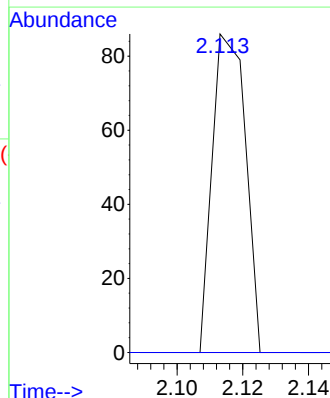
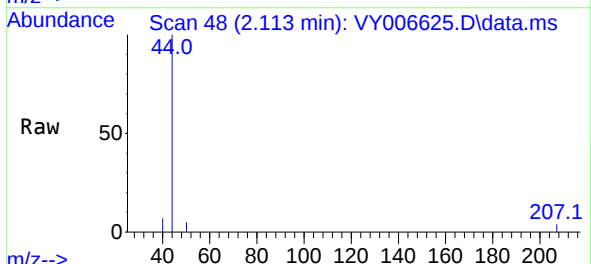
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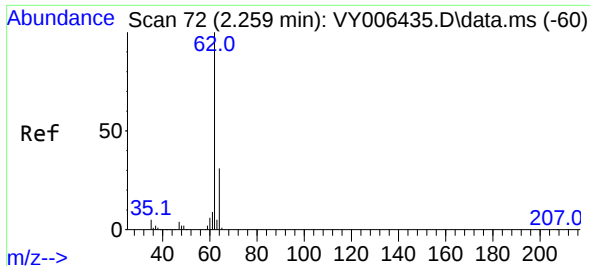
Tgt Ion:168 Resp: 912
Ion Ratio Lower Upper
168 100
99 67.9 44.8 67.2#



#3
Chloromethane
Concen: 5.273 ug/l
RT: 2.113 min Scan# 48
Delta R.T. -0.006 min
Lab File: VY006625.D
Acq: 04 Nov 2021 17:28

Tgt Ion: 50 Resp: 60
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

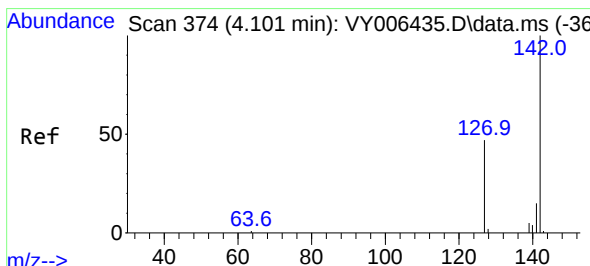
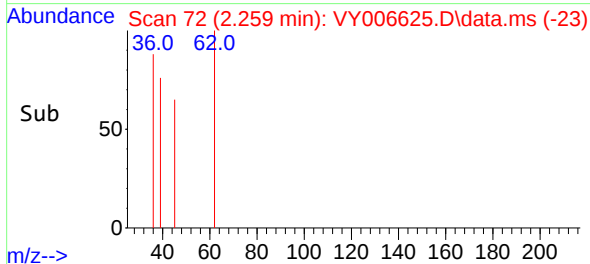
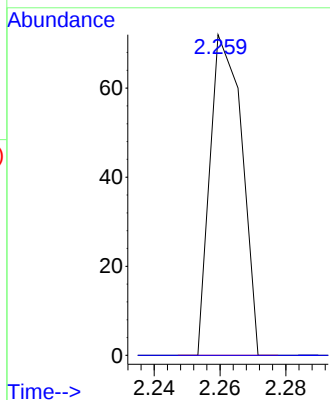
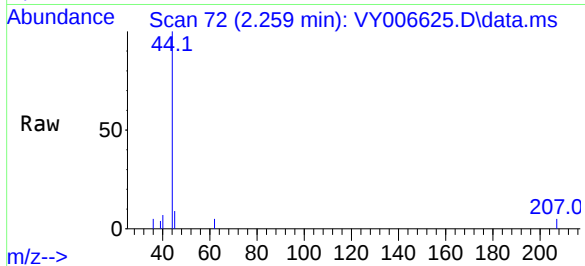




#4
 Vinyl Chloride
 Concen: 3.777 ug/l
 RT: 2.259 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VY006625.D
 Acq: 04 Nov 2021 17:28

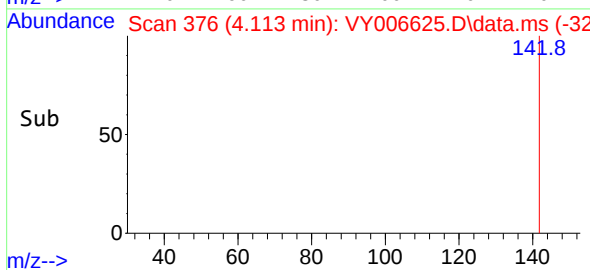
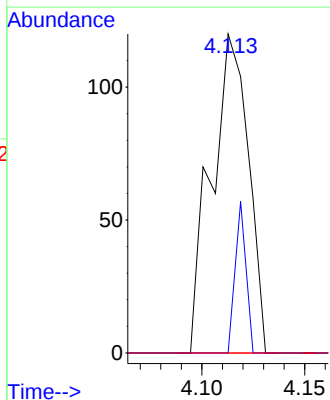
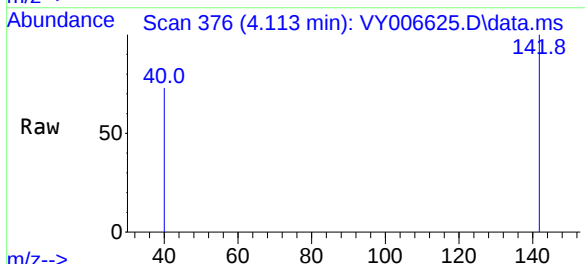
Instrument :
 MSVOA_Y
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 33104

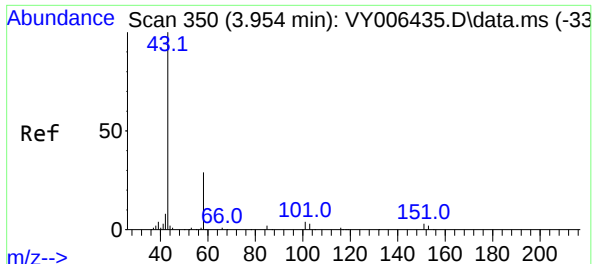
Tgt Ion: 62 Resp: 48
 Ion Ratio Lower Upper
 62 100
 64 0.0 24.7 37.1#



#10
 Methyl Iodide
 Concen: 20.168 ug/l
 RT: 4.113 min Scan# 376
 Delta R.T. 0.012 min
 Lab File: VY006625.D
 Acq: 04 Nov 2021 17:28

Tgt Ion: 142 Resp: 151
 Ion Ratio Lower Upper
 142 100
 127 13.9 40.1 60.1#
 141 0.0 12.5 18.7#

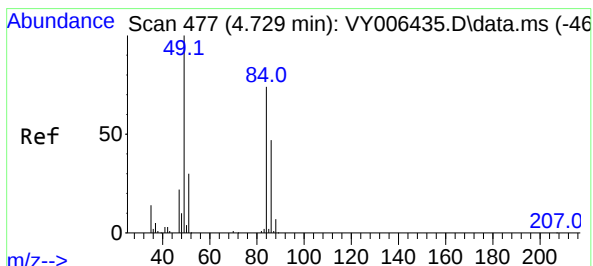
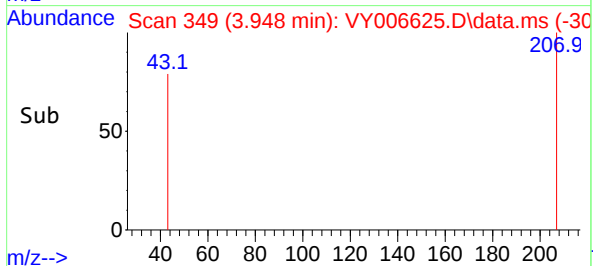
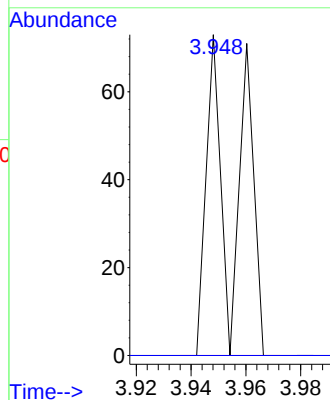
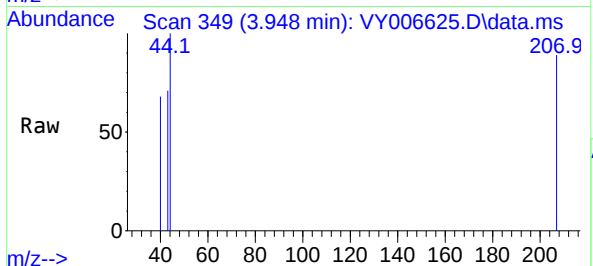




#16
Acetone
Concen: 16.401 ug/l
RT: 3.948 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY006625.D
Acq: 04 Nov 2021 17:28

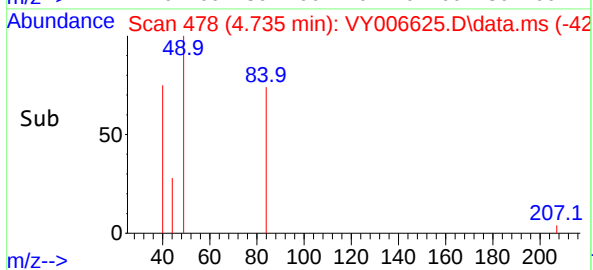
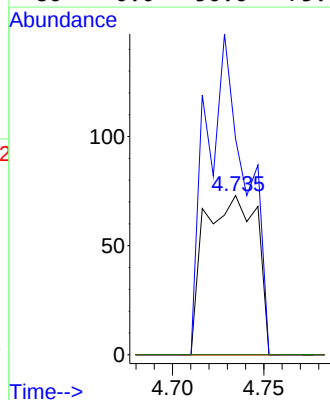
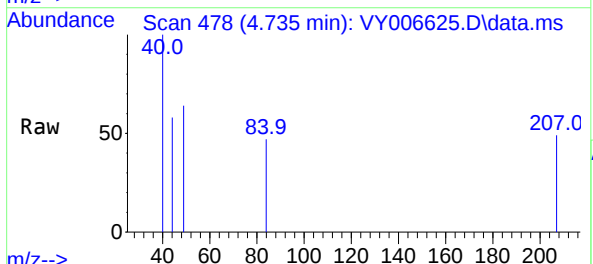
Instrument :
MSVOA_Y
ClientSampleId :
33104

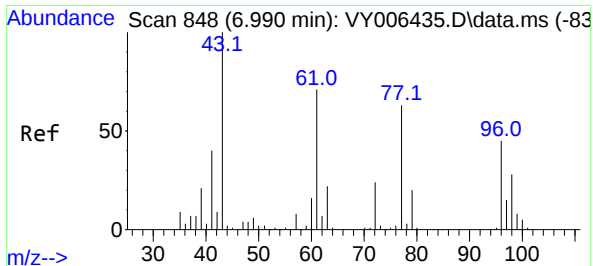
Tgt Ion: 43 Resp: 53
Ion Ratio Lower Upper
43 100
58 0.0 22.9 34.3#



#20
Methylene Chloride
Concen: 11.231 ug/l
RT: 4.735 min Scan# 478
Delta R.T. 0.006 min
Lab File: VY006625.D
Acq: 04 Nov 2021 17:28

Tgt Ion: 84 Resp: 144
Ion Ratio Lower Upper
84 100
49 135.6 107.8 161.8
51 0.0 32.8 49.2#
86 0.0 50.6 75.8#





#25

2-Butanone

Concen: 6.141 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY006625.D

Acq: 04 Nov 2021 17:28

Instrument :

MSVOA_Y

ClientSampleId :

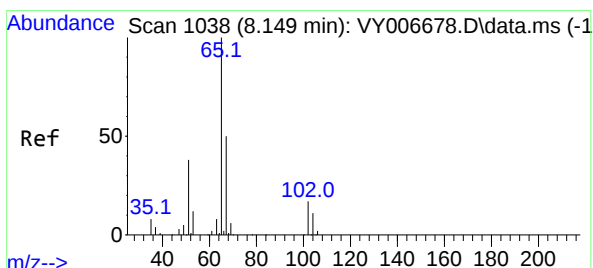
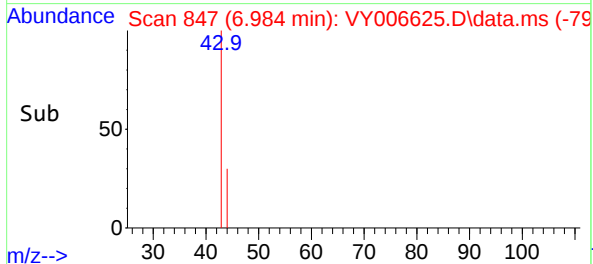
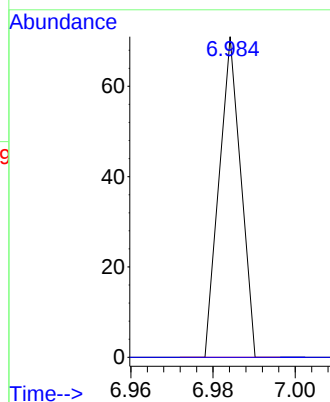
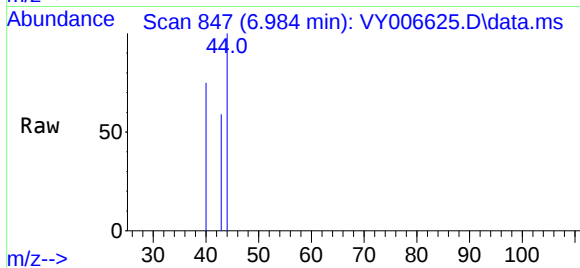
33104

Tgt Ion: 43 Resp: 26

Ion Ratio Lower Upper

43 100

72 0.0 18.9 28.3#



#33

1,2-Dichloroethane-d4

Concen: 70.393 ug/l

RT: 8.149 min Scan# 1038

Delta R.T. -0.000 min

Lab File: VY006625.D

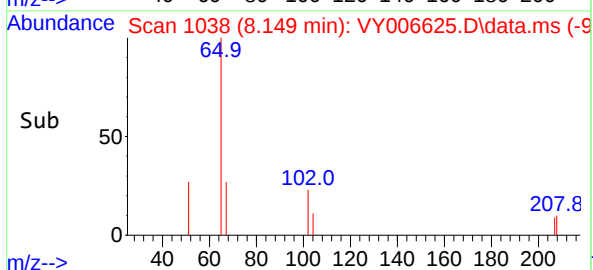
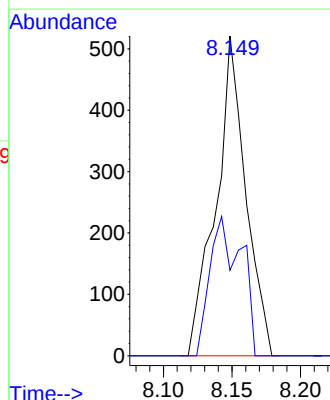
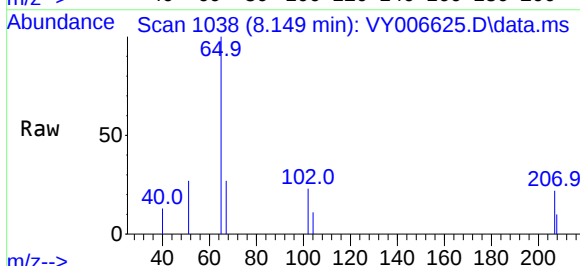
Acq: 04 Nov 2021 17:28

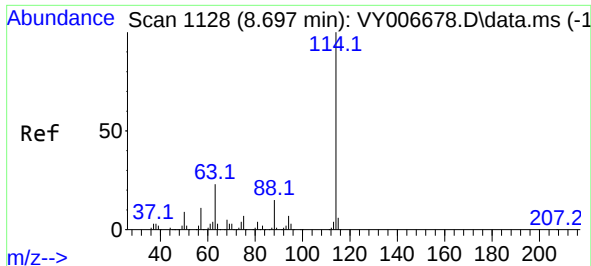
Tgt Ion: 65 Resp: 790

Ion Ratio Lower Upper

65 100

67 45.6 0.0 98.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VY006625.D

Acq: 04 Nov 2021 17:28

Instrument :

MSVOA_Y

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33104

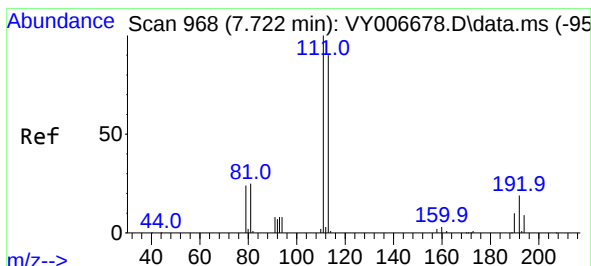
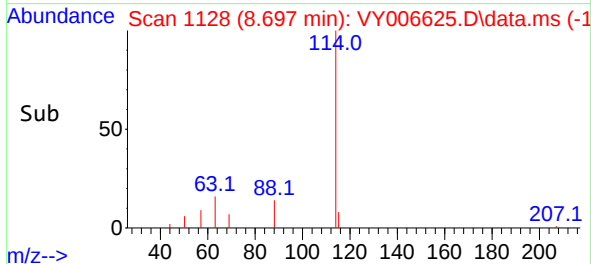
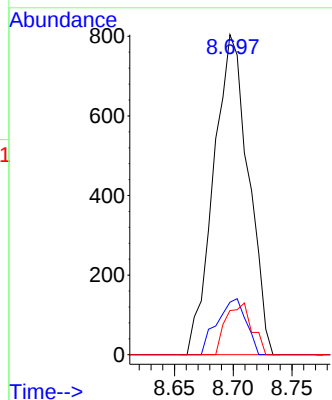
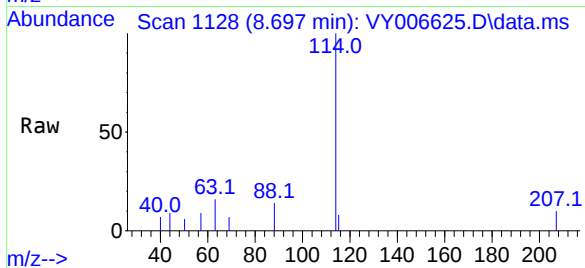
Tgt Ion:114 Resp: 1657

Ion Ratio Lower Upper

114 100

63 16.4 0.0 45.0

88 13.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 2.490 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.006 min

Lab File: VY006625.D

Acq: 04 Nov 2021 17:28

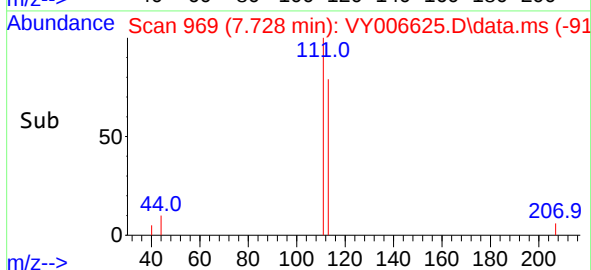
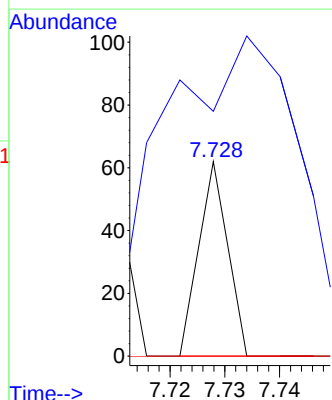
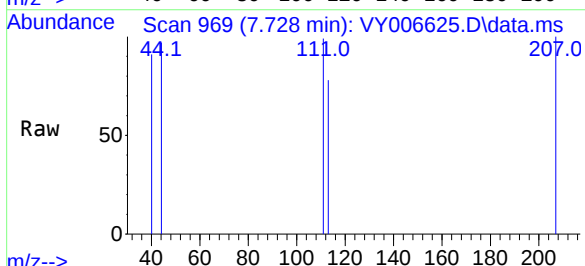
Tgt Ion:113 Resp: 23

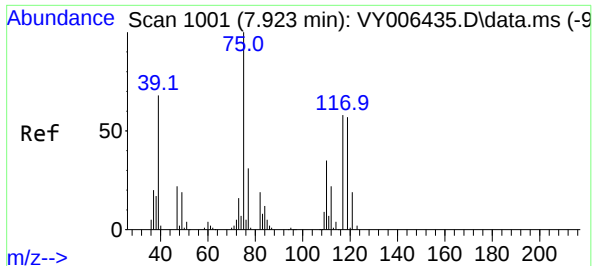
Ion Ratio Lower Upper

113 100

111 756.5 82.3 123.5#

192 0.0 17.4 26.2#

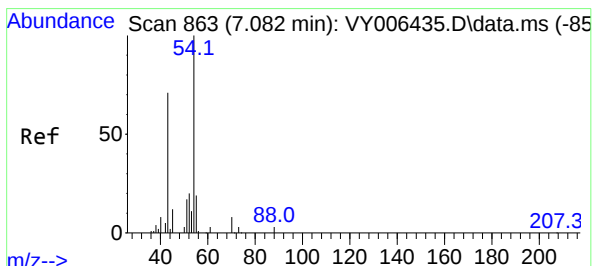
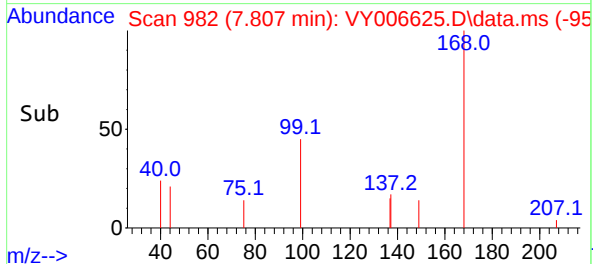
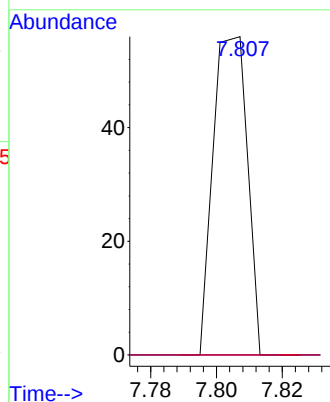
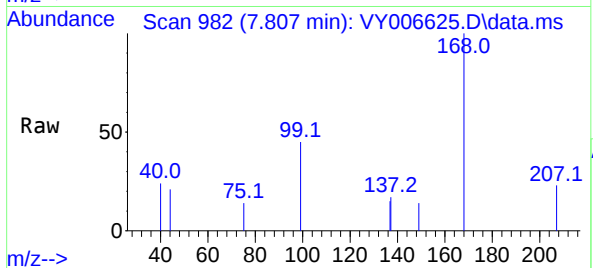




#36
1,1-Dichloropropene
Concen: 2.504 ug/l
RT: 7.807 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY006625.D
Acq: 04 Nov 2021 17:28

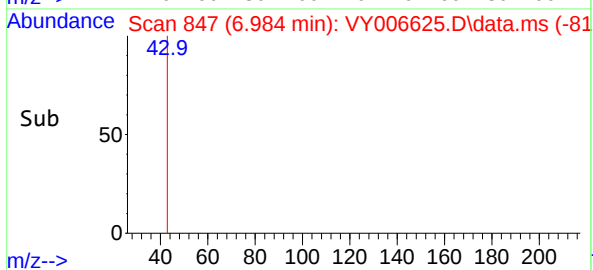
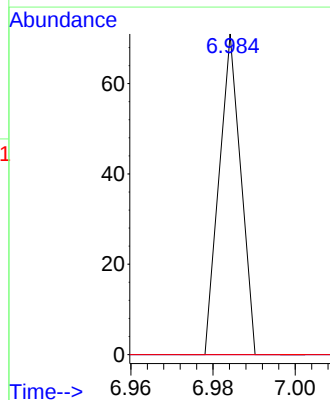
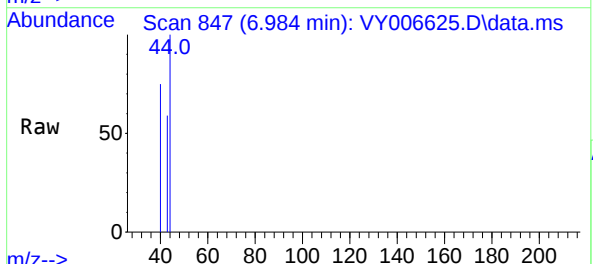
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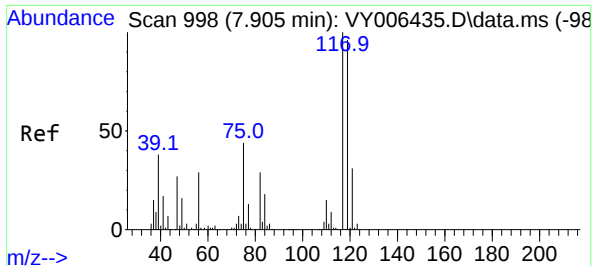
Tgt Ion: 75 Resp: 41
Ion Ratio Lower Upper
75 100
110 0.0 17.1 51.3#
77 0.0 24.9 37.3#



#37
Ethyl Acetate
Concen: 2.509 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.098 min
Lab File: VY006625.D
Acq: 04 Nov 2021 17:28

Tgt Ion: 43 Resp: 26
Ion Ratio Lower Upper
43 100
61 0.0 9.4 14.2#
70 0.0 6.9 10.3#

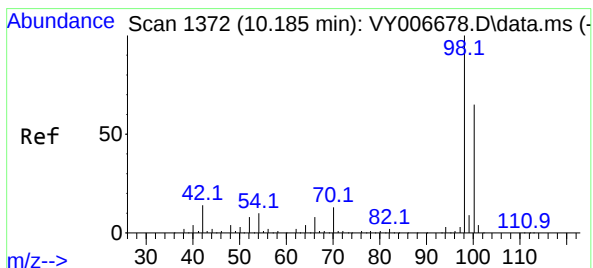
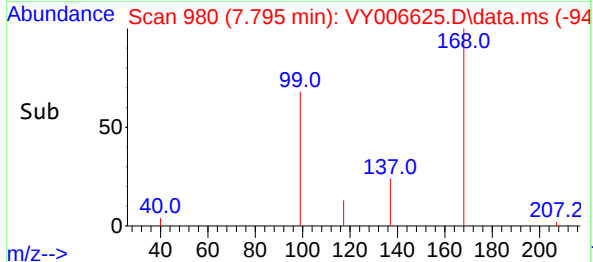
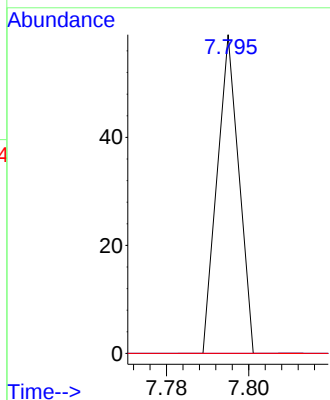
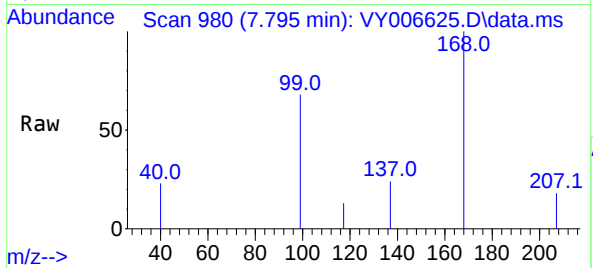




#38
Carbon Tetrachloride
Concen: 1.218 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY006625.D
Acq: 04 Nov 2021 17:28

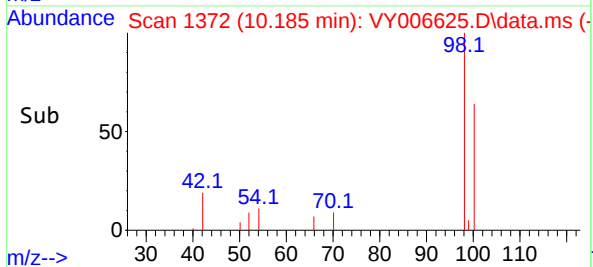
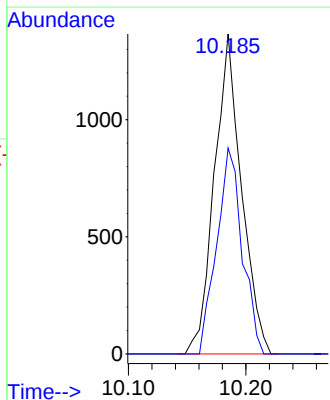
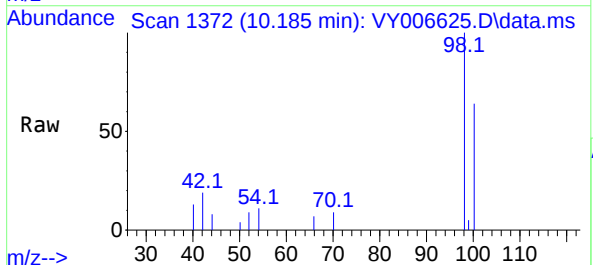
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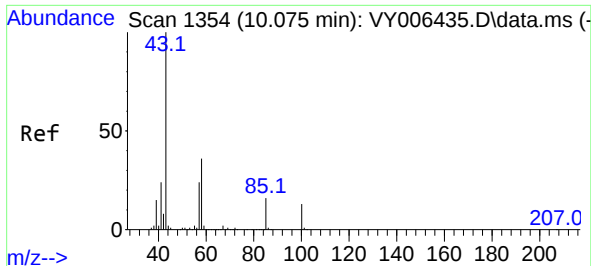
Tgt Ion:117 Resp: 22
Ion Ratio Lower Upper
117 100
119 0.0 76.6 115.0#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 55.962 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY006625.D
Acq: 04 Nov 2021 17:28

Tgt Ion: 98 Resp: 2191
Ion Ratio Lower Upper
98 100
100 60.4 50.9 76.3

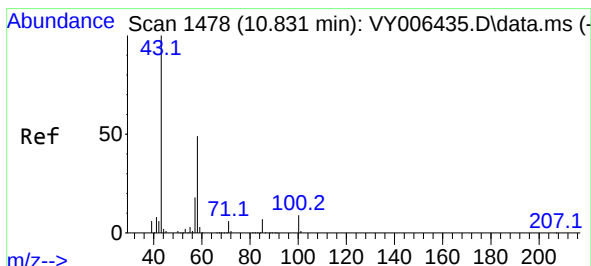
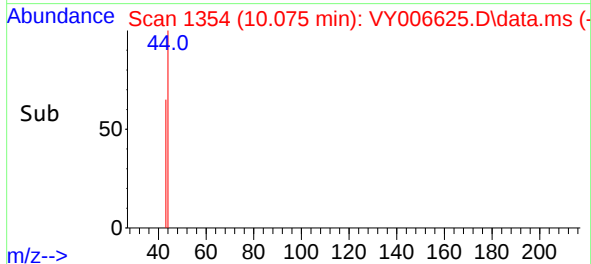
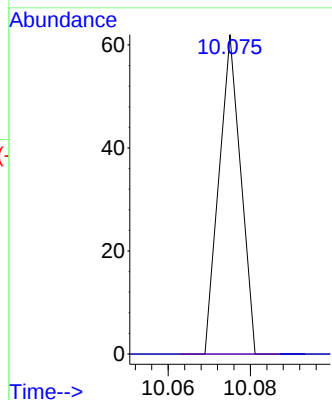
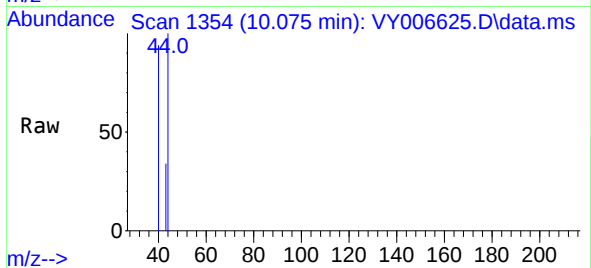




#51
4-Methyl-2-Pentanone
Concen: 2.183 ug/l
RT: 10.075 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY006625.D
Acq: 04 Nov 2021 17:28

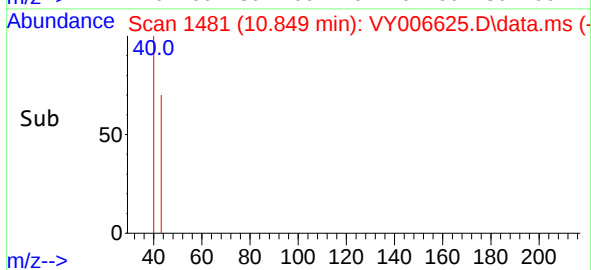
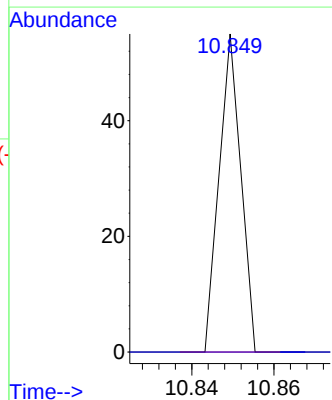
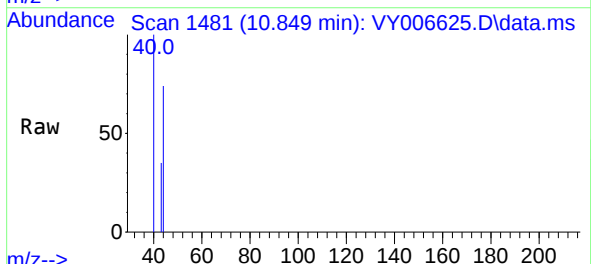
Instrument :
MSVOA_Y
ClientSampleId :
33104

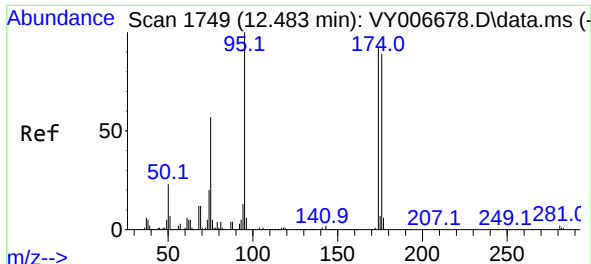
Tgt Ion: 43 Resp: 23
Ion Ratio Lower Upper
43 100
58 0.0 28.7 43.1#



#59
2-Hexanone
Concen: 2.623 ug/l
RT: 10.849 min Scan# 1481
Delta R.T. 0.018 min
Lab File: VY006625.D
Acq: 04 Nov 2021 17:28

Tgt Ion: 43 Resp: 20
Ion Ratio Lower Upper
43 100
58 0.0 24.6 73.6#

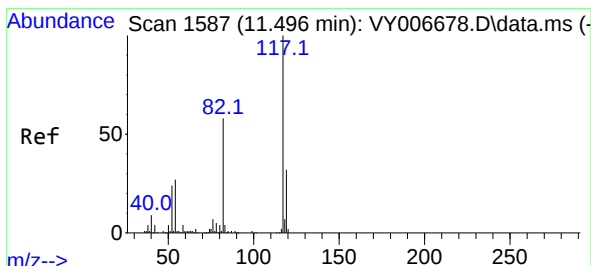
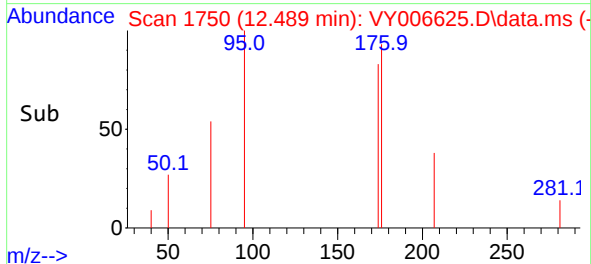
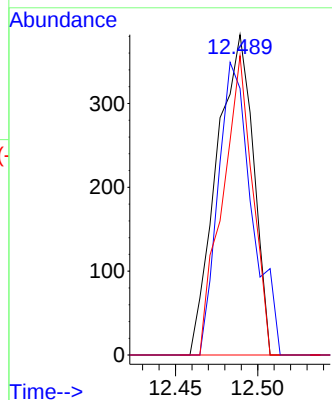
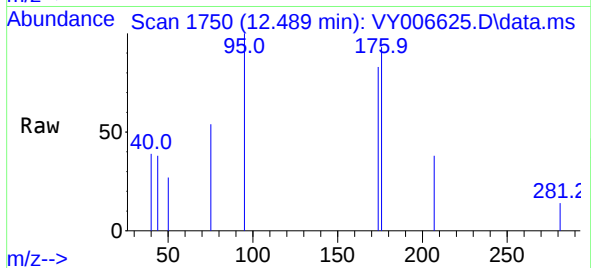




#62
4-Bromofluorobenzene
Concen: 44.964 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY006625.D
Acq: 04 Nov 2021 17:28

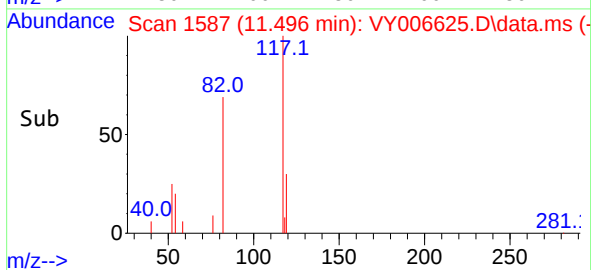
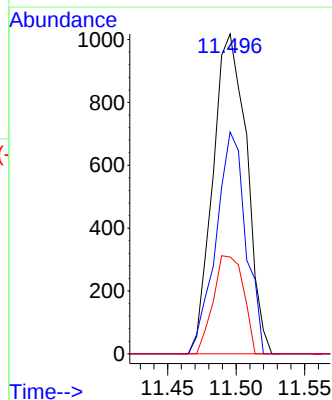
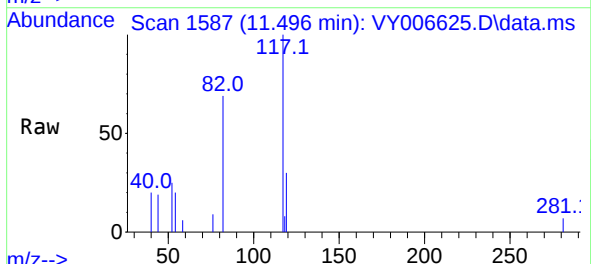
Instrument :
MSVOA_Y
ClientSampleId :
33104

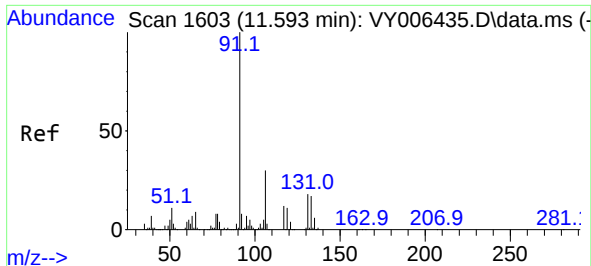
Tgt Ion:	95	Resp:	593
Ion	Ratio	Lower	Upper
95	100		
174	84.3	0.0	177.0
176	76.6	0.0	169.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY006625.D
Acq: 04 Nov 2021 17:28

Tgt Ion:	117	Resp:	1742
Ion	Ratio	Lower	Upper
117	100		
82	69.4	45.7	68.5#
119	30.3	25.5	38.3

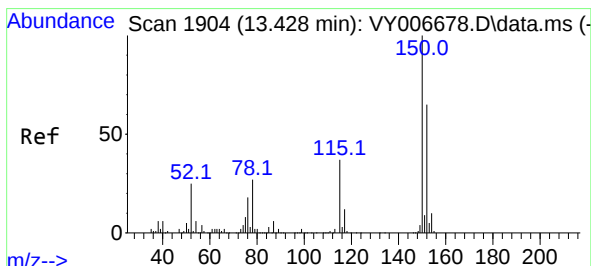
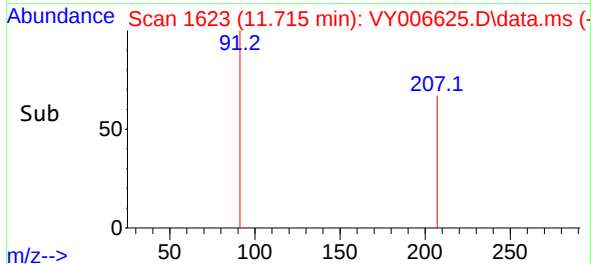
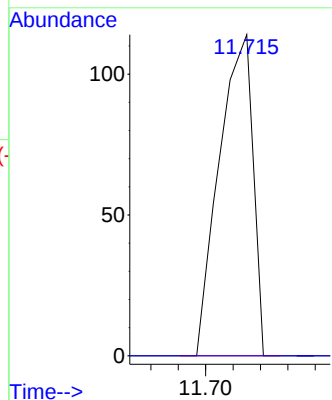
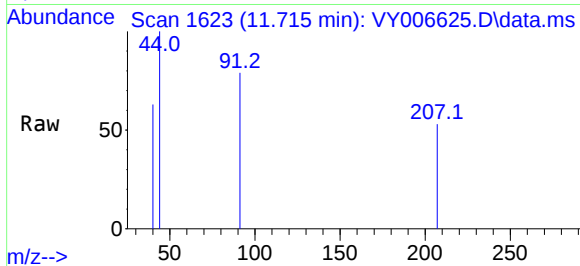




#67
Ethyl Benzene
Concen: 1.503 ug/l
RT: 11.715 min Scan# 1
Delta R.T. 0.122 min
Lab File: VY006625.D
Acq: 04 Nov 2021 17:28

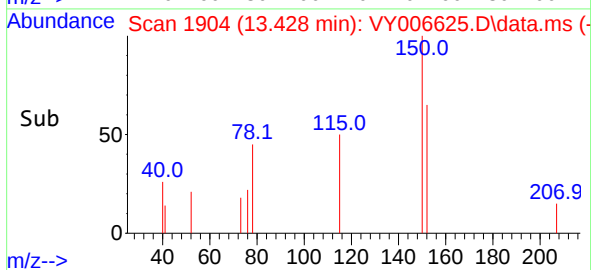
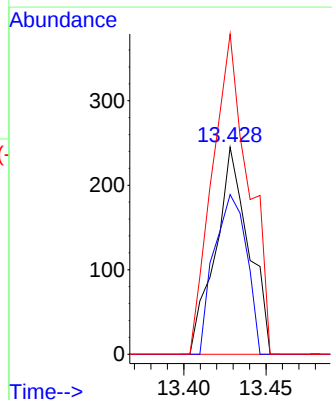
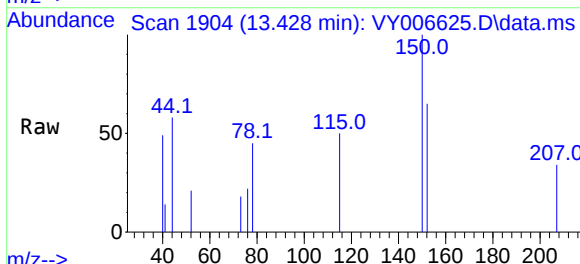
Instrument :
MSVOA_Y
ClientSampleId :
33104

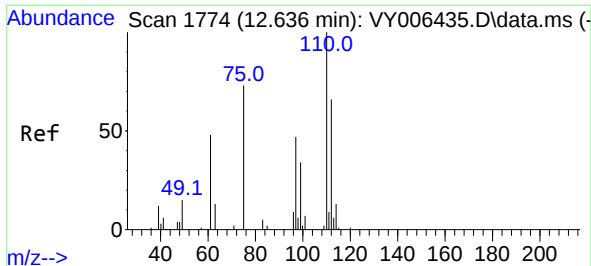
Tgt Ion: 91 Resp: 97
Ion Ratio Lower Upper
91 100
106 0.0 24.2 36.4#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY006625.D
Acq: 04 Nov 2021 17:28

Tgt Ion:152 Resp: 344
Ion Ratio Lower Upper
152 100
115 75.3 28.5 85.5
150 168.3 0.0 348.2

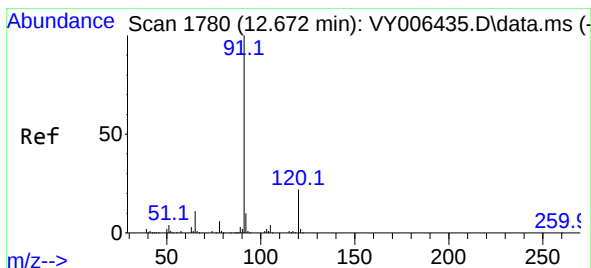
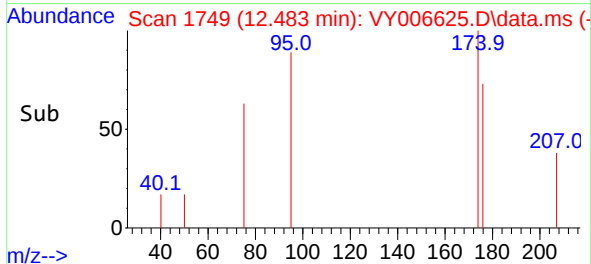
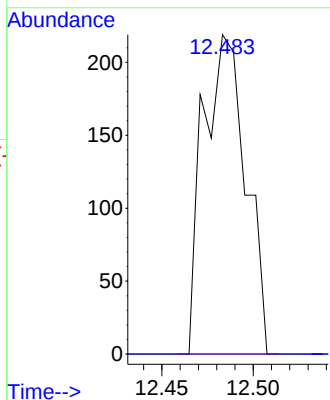
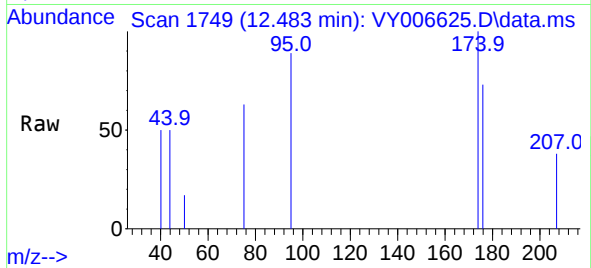




#76
1,2,3-Trichloropropane
Concen: 100.146 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY006625.D
Acq: 04 Nov 2021 17:28

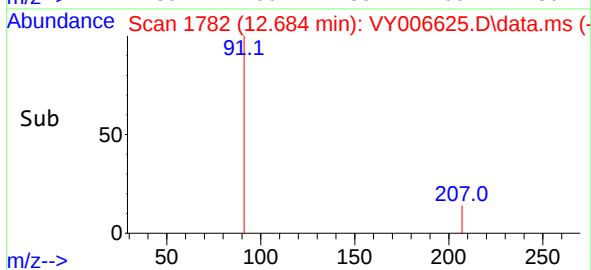
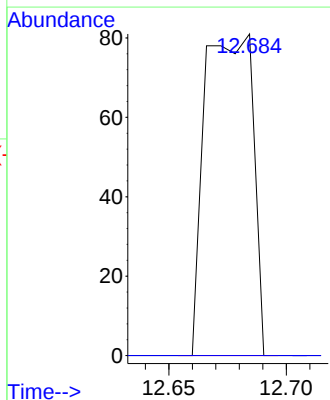
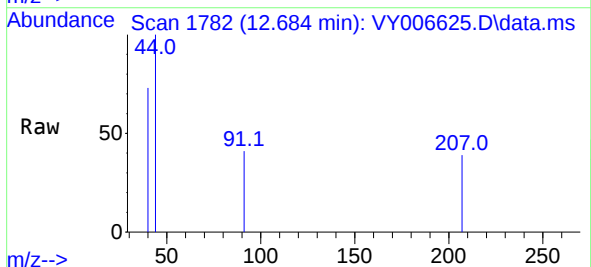
Instrument :
MSVOA_Y
ClientSampleId :
33104

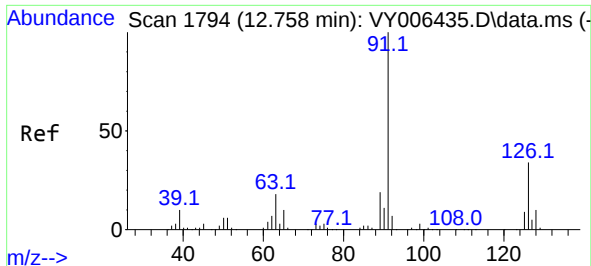
Tgt Ion: 75 Resp: 355
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#78
n-propylbenzene
Concen: 3.833 ug/l
RT: 12.684 min Scan# 1782
Delta R.T. 0.012 min
Lab File: VY006625.D
Acq: 04 Nov 2021 17:28

Tgt Ion: 91 Resp: 114
Ion Ratio Lower Upper
91 100
120 0.0 11.3 33.8#





#79

2-Chlorotoluene

Concen: 2.430 ug/l

RT: 12.751 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY006625.D

Acq: 04 Nov 2021 17:28

Instrument :

MSVOA_Y

ClientSampleId :

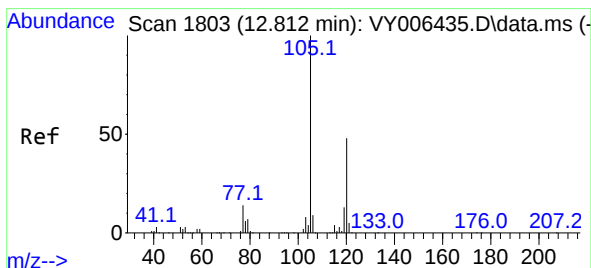
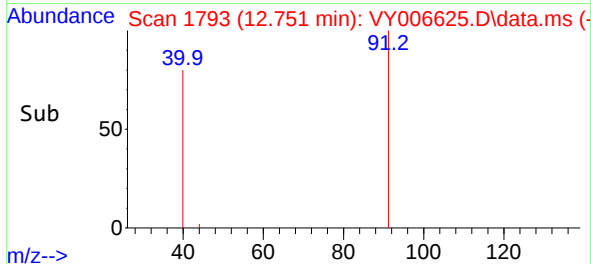
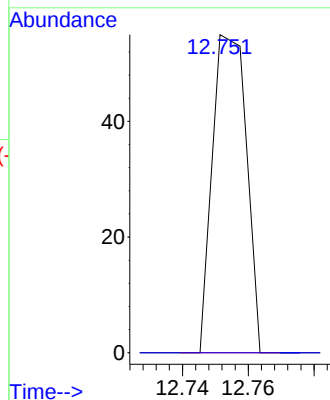
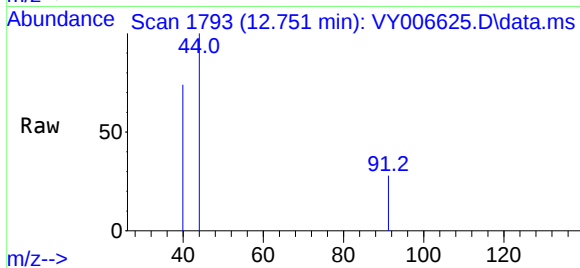
33104

Tgt Ion: 91 Resp: 40

Ion Ratio Lower Upper

91 100

126 0.0 17.1 51.2#



#80

1,3,5-Trimethylbenzene

Concen: 2.779 ug/l

RT: 12.818 min Scan# 1804

Delta R.T. 0.006 min

Lab File: VY006625.D

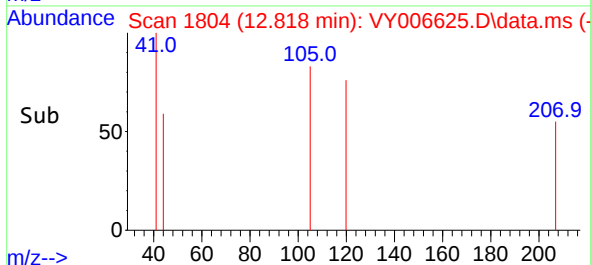
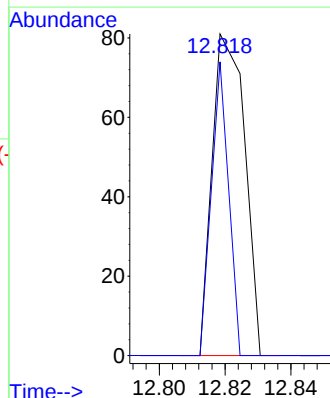
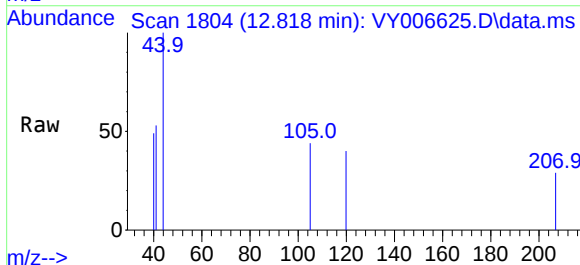
Acq: 04 Nov 2021 17:28

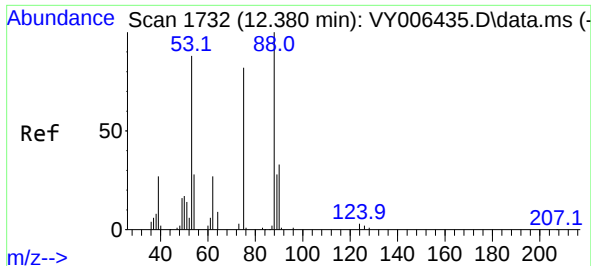
Tgt Ion:105 Resp: 56

Ion Ratio Lower Upper

105 100

120 48.2 24.1 72.4

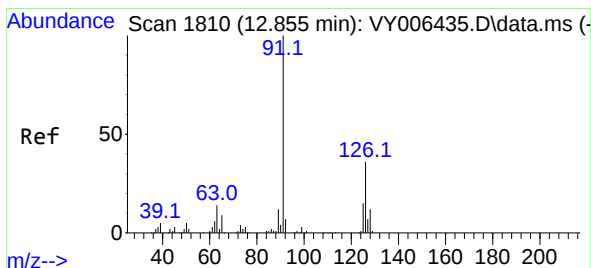
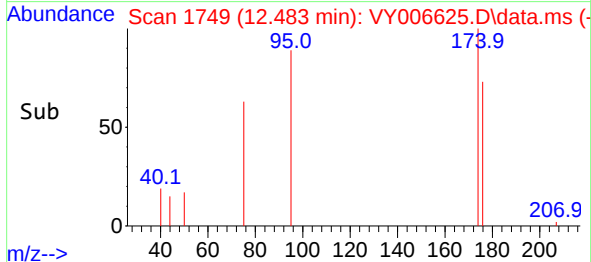
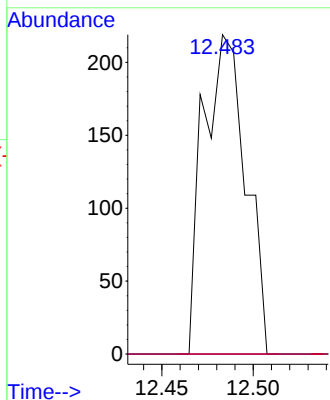
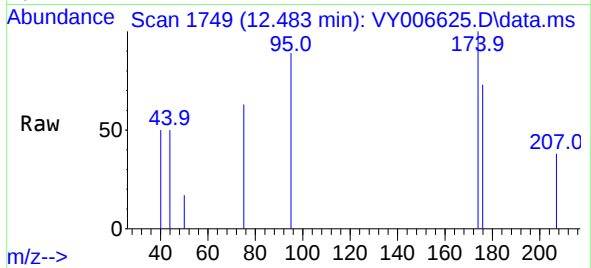




#81
trans-1,4-Dichloro-2-butene
Concen: 205.596 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY006625.D
Acq: 04 Nov 2021 17:28

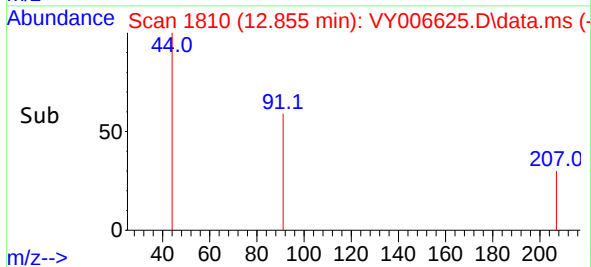
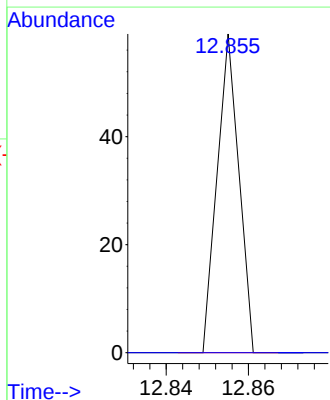
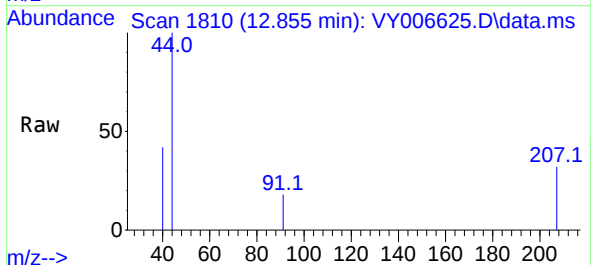
Instrument :
MSVOA_Y
ClientSampleId :
33104

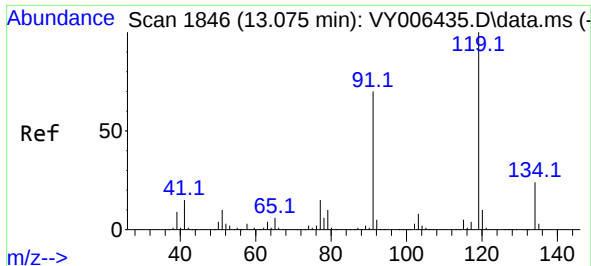
Tgt Ion: 75 Resp: 355
Ion Ratio Lower Upper
75 100
53 0.0 85.8 128.6#
89 0.0 39.3 58.9#



#82
4-Chlorotoluene
Concen: 1.282 ug/l
RT: 12.855 min Scan# 1810
Delta R.T. -0.000 min
Lab File: VY006625.D
Acq: 04 Nov 2021 17:28

Tgt Ion: 91 Resp: 22
Ion Ratio Lower Upper
91 100
126 0.0 16.8 50.4#

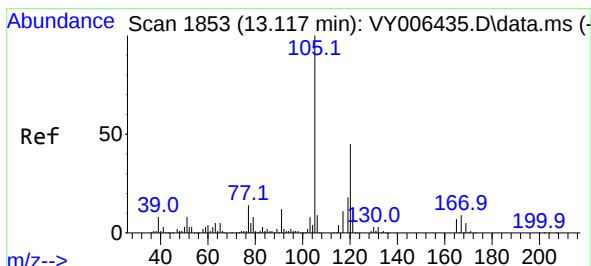
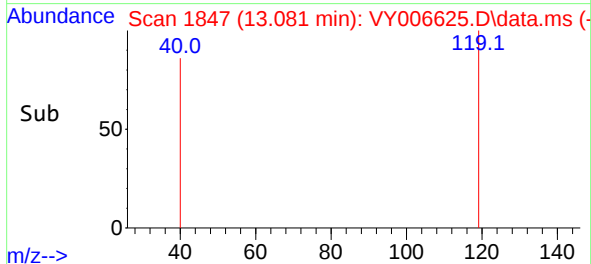
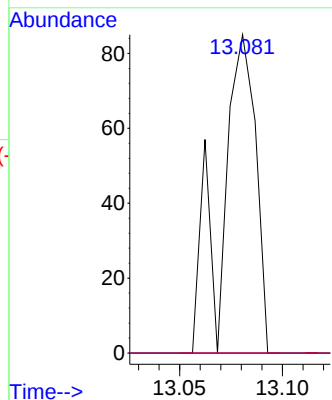
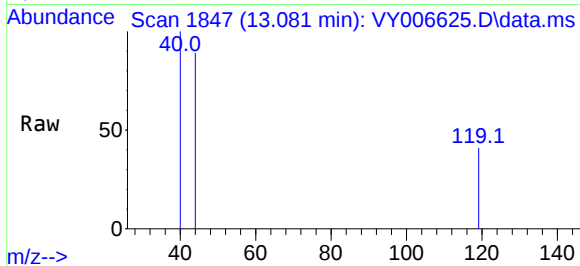




#83
tert-Butylbenzene
Concen: 5.718 ug/l
RT: 13.081 min Scan# 119
Delta R.T. 0.006 min
Lab File: VY006625.D
Acq: 04 Nov 2021 17:28

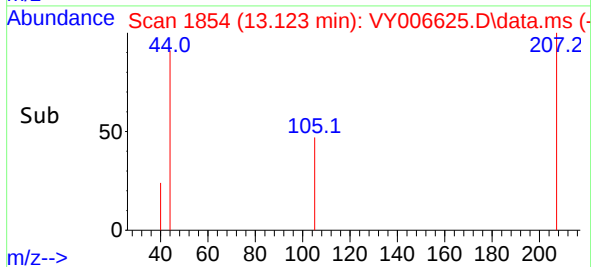
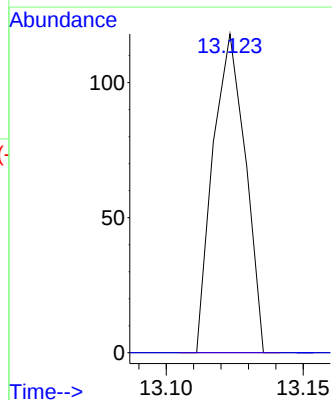
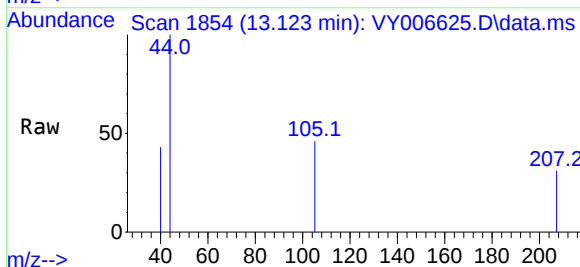
Instrument :
MSVOA_Y
ClientSampleId :
33104

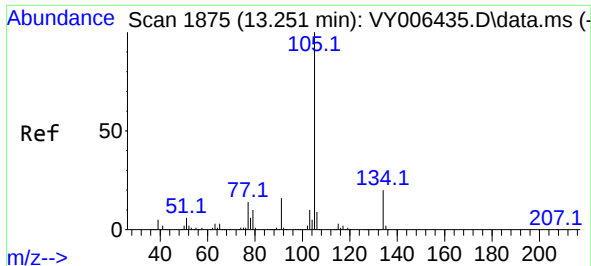
Tgt Ion:119 Resp: 99
Ion Ratio Lower Upper
119 100
91 0.0 34.8 104.5#
134 0.0 13.0 38.9#



#84
1,2,4-Trimethylbenzene
Concen: 4.815 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VY006625.D
Acq: 04 Nov 2021 17:28

Tgt Ion:105 Resp: 97
Ion Ratio Lower Upper
105 100
120 0.0 22.6 67.8#

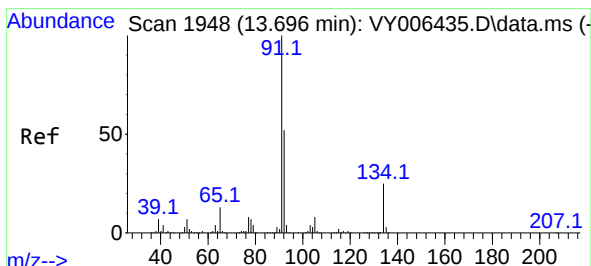
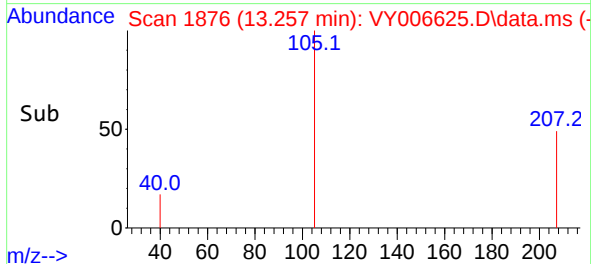
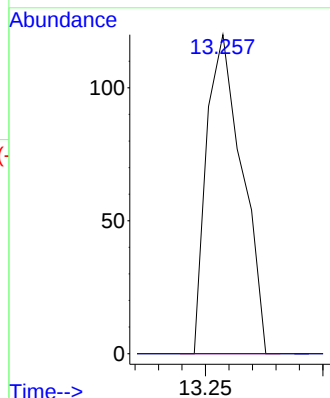
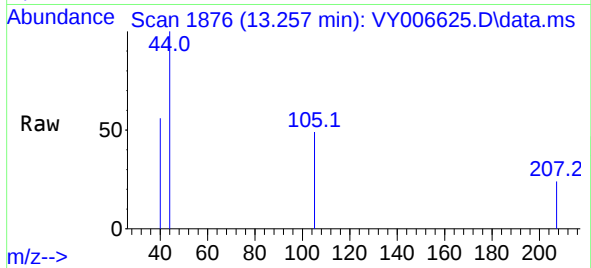




#85
 sec-Butylbenzene
 Concen: 4.846 ug/l
 RT: 13.257 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VY006625.D
 Acq: 04 Nov 2021 17:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 33104

Tgt Ion:105 Resp: 126
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.1 30.3#



#89
 n-Butylbenzene
 Concen: 2.876 ug/l
 RT: 13.696 min Scan# 1948
 Delta R.T. -0.000 min
 Lab File: VY006625.D
 Acq: 04 Nov 2021 17:28

Tgt Ion: 91 Resp: 60
 Ion Ratio Lower Upper
 91 100
 92 0.0 26.3 78.9#
 134 0.0 12.9 38.7#

