

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020422\
 Data File : VY007391.D
 Acq On : 04 Feb 2022 13:52
 Operator : SY/MD
 Sample : N1381-01RE
 Misc : 5.91g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DB-05(20-22)-02-01-22RE

Quant Time: Feb 06 23:34:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020222S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 03 04:36:48 2022
 Response via : Initial Calibration

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

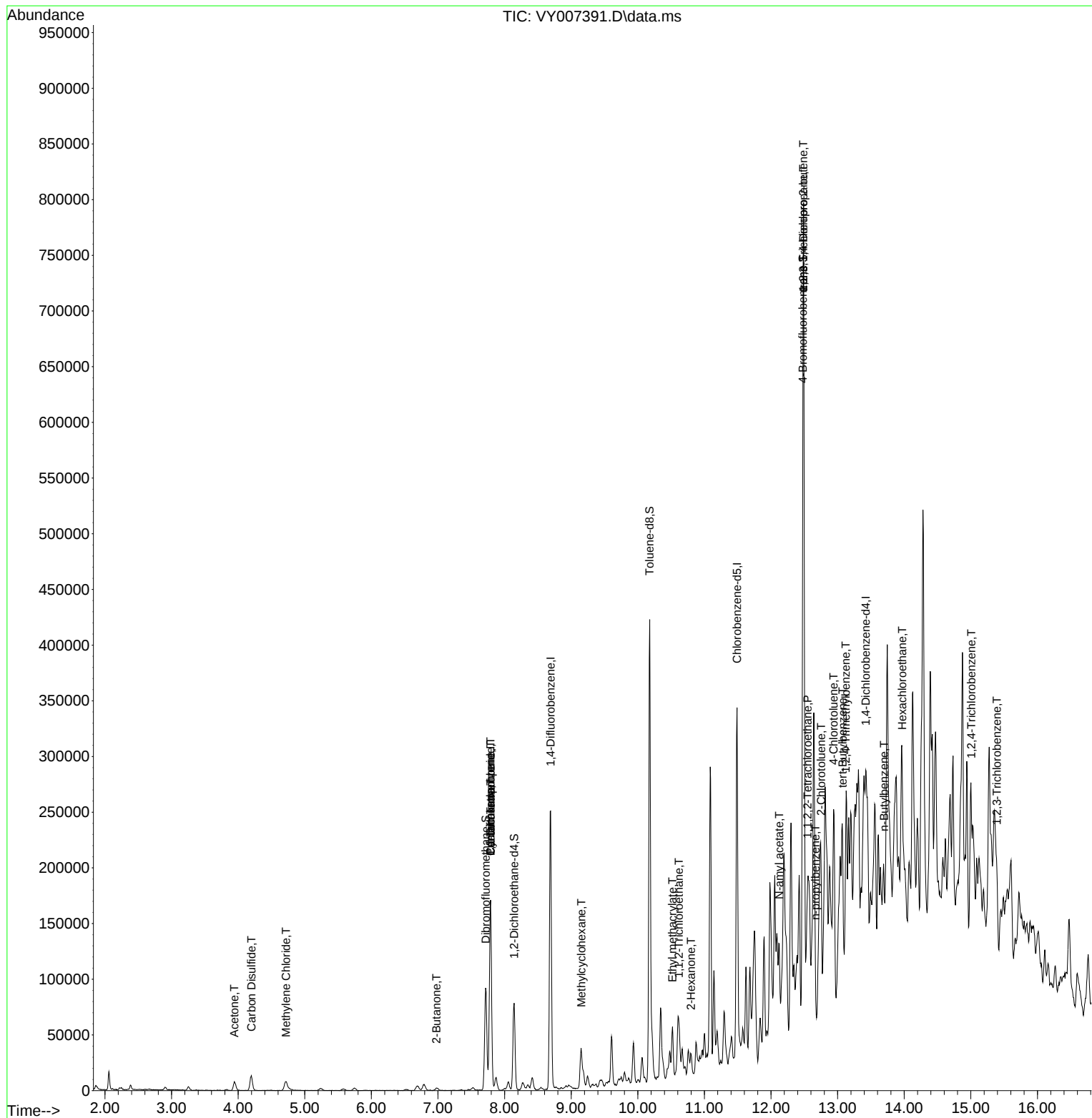
Internal Standards						
1) Pentafluorobenzene	7.789	168	115700	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	211071	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	159083	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	35437	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	62361	46.859	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.720%		
35) Dibromofluoromethane	7.716	113	65037	47.985	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.960%		
50) Toluene-d8	10.179	98	245903	49.108	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.220%		
62) 4-Bromofluorobenzene	12.477	95	72772	42.758	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	85.520%		
Target Compounds						Qvalue
3) Chloromethane	2.113	50	578	Below Cal		99
11) Tert butyl alcohol	4.936	59	217	Below Cal	#	77
16) Acetone	3.942	43	13389	30.977	ug/l	97
17) Carbon Disulfide	4.198	76	25953	6.139	ug/l	97
20) Methylene Chloride	4.716	84	5453	1.674	ug/l	92
25) 2-Butanone	6.978	43	2824	5.408	ug/l	# 90
31) Cyclohexane	7.789	56	8853	3.409	ug/l	# 54
36) 1,1-Dichloropropene	7.789	75	9411	3.972	ug/l	# 52
38) Carbon Tetrachloride	7.789	117	12476	5.012	ug/l	# 15
39) Methylcyclohexane	9.154	83	11859	3.985	ug/l	# 56
55) 1,1,2-Trichloroethane	10.618	97	12883	10.646	ug/l	# 20
56) Ethyl methacrylate	10.520	69	3998	2.379	ug/l	# 24
59) 2-Hexanone	10.801	43	8044	9.875	ug/l	# 35
74) N-amyl acetate	12.123	43	15370	19.173	ug/l	# 47
75) 1,1,2,2-Tetrachloroethane	12.550	83	8512	14.392	ug/l	# 26
76) 1,2,3-Trichloropropane	12.483	75	32951	78.216	ug/l	# 100
78) n-propylbenzene	12.666	91	4834	1.232	ug/l	98
79) 2-Chlorotoluene	12.751	91	3162	1.456	ug/l	74
81) trans-1,4-Dichloro-2-b...	12.483	75	32951	156.700	ug/l	# 18
82) 4-Chlorotoluene	12.940	91	3278	1.469	ug/l	95
83) tert-Butylbenzene	13.075	119	10587	4.603	ug/l	87
84) 1,2,4-Trimethylbenzene	13.123	105	2703	1.039	ug/l	88
89) n-Butylbenzene	13.696	91	3178	1.175	ug/l	92
90) Hexachloroethane	13.971	117	1108	2.086	ug/l	# 6
93) 1,2,4-Trichlorobenzene	15.007	180	1090	1.581	ug/l	# 68
96) 1,2,3-Trichlorobenzene	15.391	180	1604	2.756	ug/l	# 1

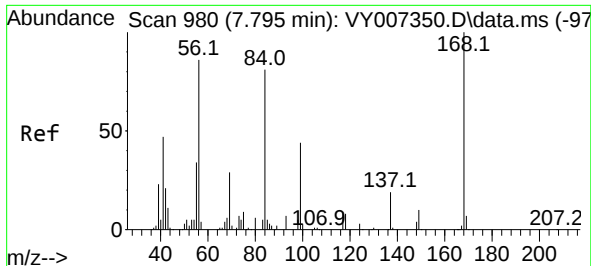
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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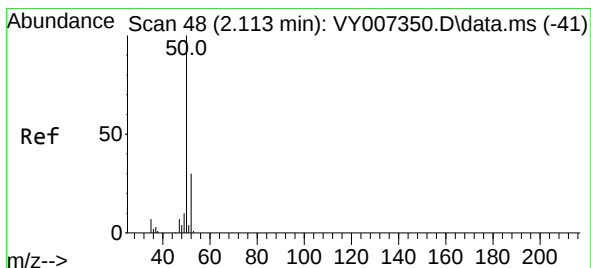
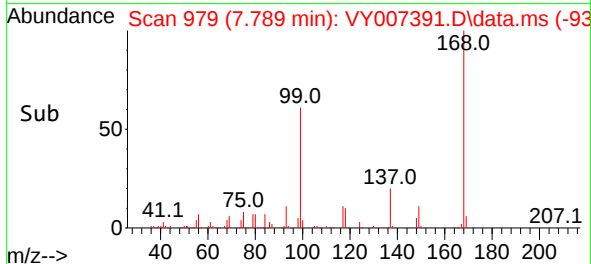
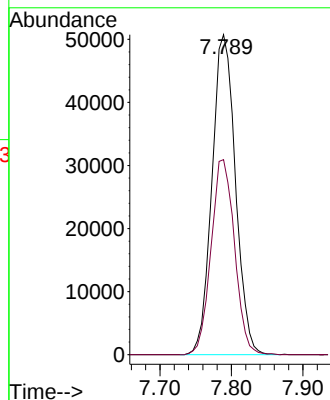
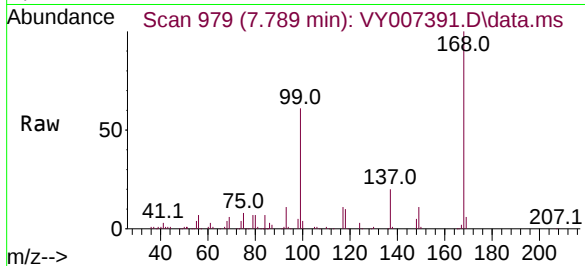




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY007391.D
Acq: 04 Feb 2022 13:52

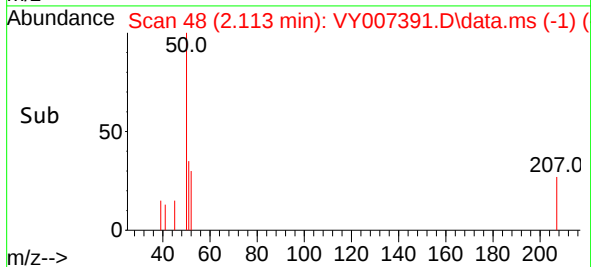
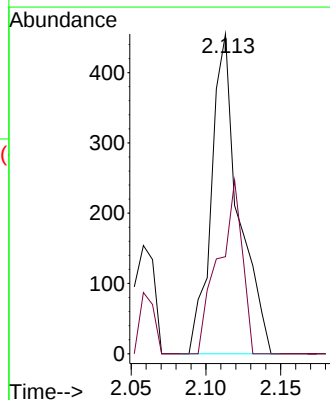
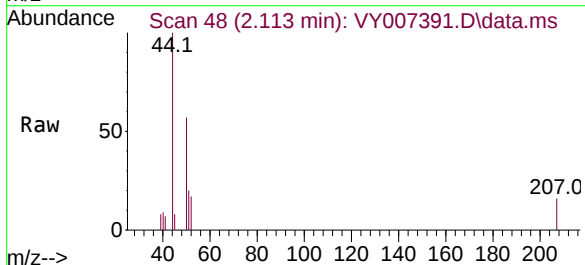
Instrument :
MSVOA_Y
ClientSampleId :
DB-05(20-22)-02-01-22RE

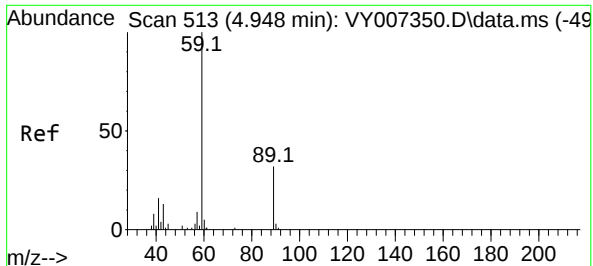
Tgt Ion:168 Resp: 115700
Ion Ratio Lower Upper
168 100
99 60.9 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY007391.D
Acq: 04 Feb 2022 13:52

Tgt Ion: 50 Resp: 578
Ion Ratio Lower Upper
50 100
52 30.3 24.6 37.0

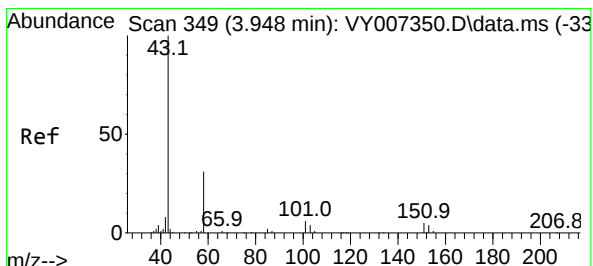
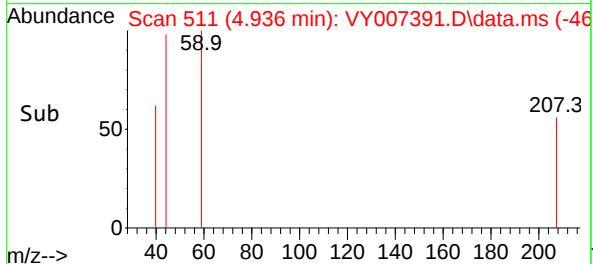
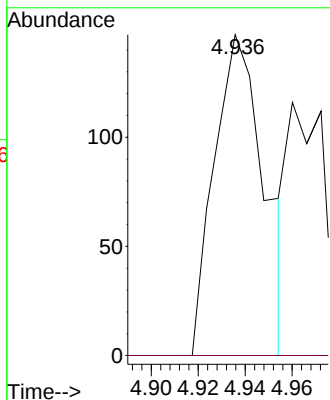
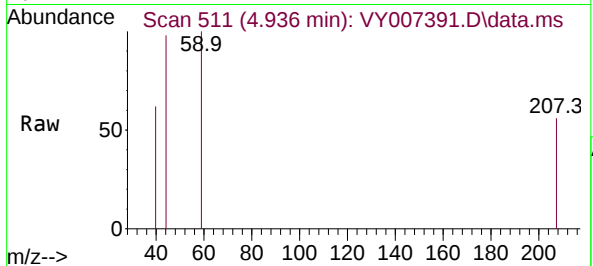




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 51
Delta R.T. -0.012 min
Lab File: VY007391.D
Acq: 04 Feb 2022 13:52

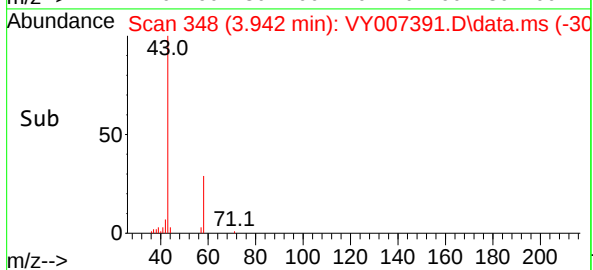
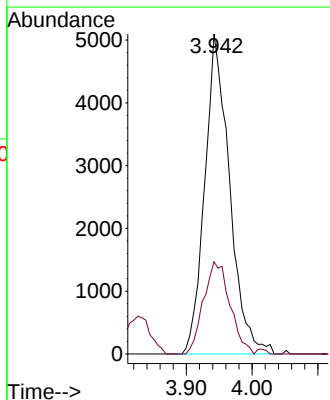
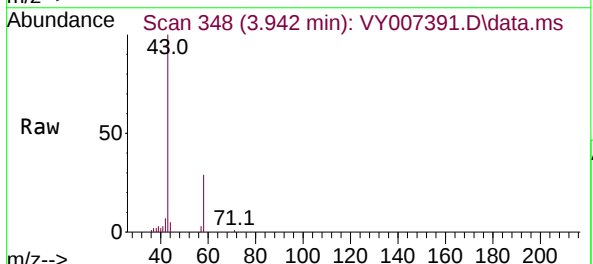
Instrument :
MSVOA_Y
ClientSampleId :
DB-05(20-22)-02-01-22RE

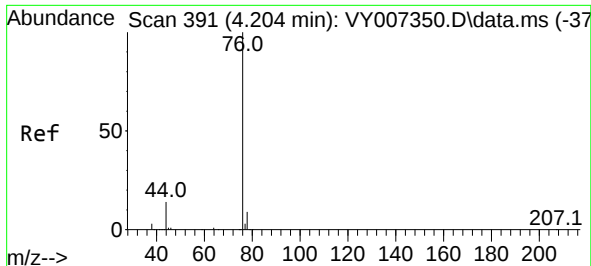
Tgt Ion: 59 Resp: 217
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 30.977 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.006 min
Lab File: VY007391.D
Acq: 04 Feb 2022 13:52

Tgt Ion: 43 Resp: 13389
Ion Ratio Lower Upper
43 100
58 28.8 22.0 33.0





#17

Carbon Disulfide

Concen: 6.139 ug/l

RT: 4.198 min Scan# 391

Delta R.T. -0.006 min

Lab File: VY007391.D

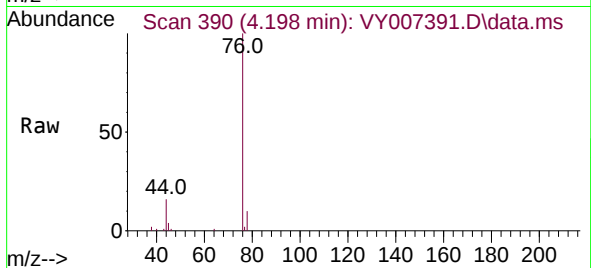
Acq: 04 Feb 2022 13:52

Instrument :

MSVOA_Y

ClientSampleId :

DB-05(20-22)-02-01-22RE

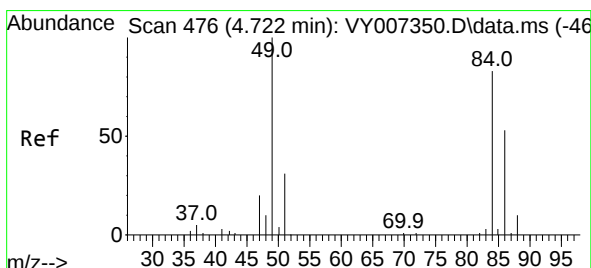
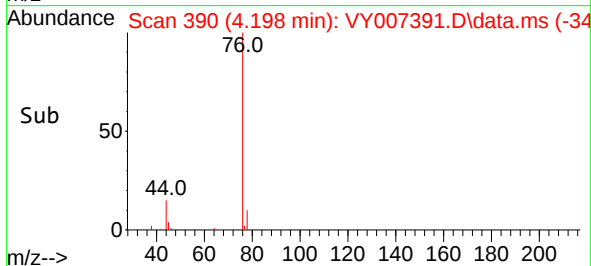
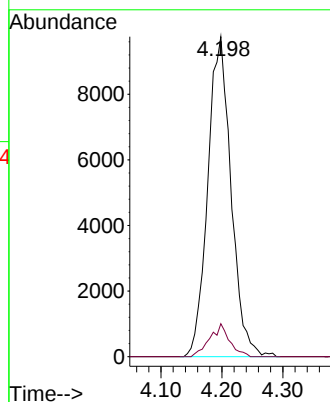


Tgt Ion: 76 Resp: 25953

Ion Ratio Lower Upper

76 100

78 10.3 7.4 11.0



#20

Methylene Chloride

Concen: 1.674 ug/l

RT: 4.716 min Scan# 475

Delta R.T. -0.006 min

Lab File: VY007391.D

Acq: 04 Feb 2022 13:52

Tgt Ion: 84 Resp: 5453

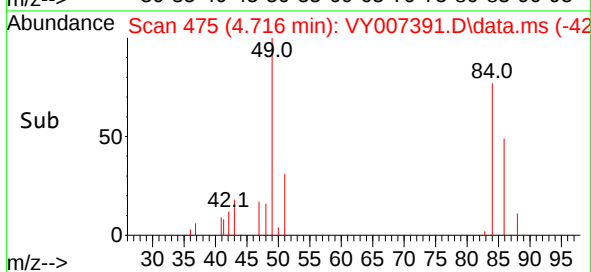
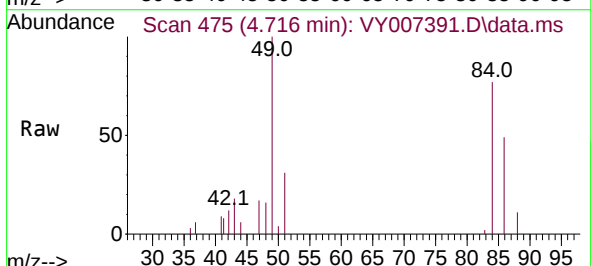
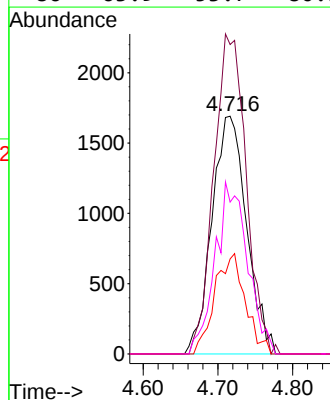
Ion Ratio Lower Upper

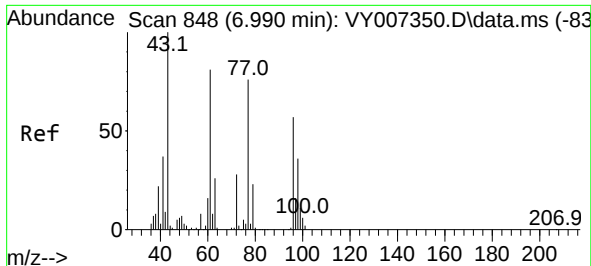
84 100

49 130.2 114.4 171.6

51 40.0 35.3 52.9

86 63.9 53.7 80.5

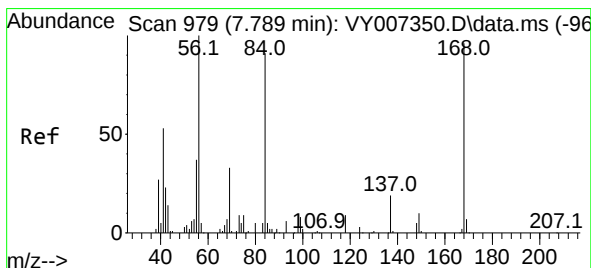
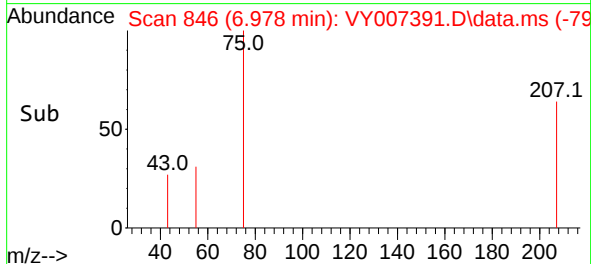
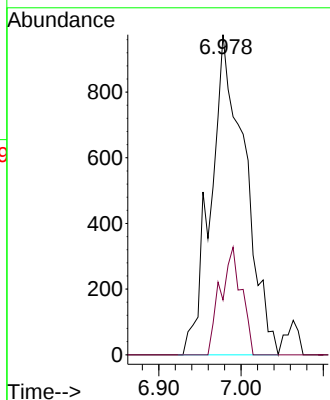
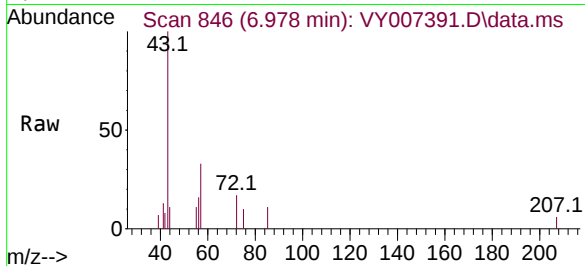




#25
2-Butanone
Concen: 5.408 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.012 min
Lab File: VY007391.D
Acq: 04 Feb 2022 13:52

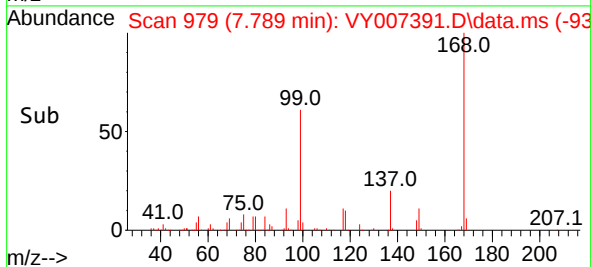
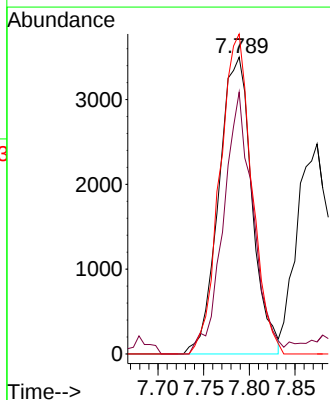
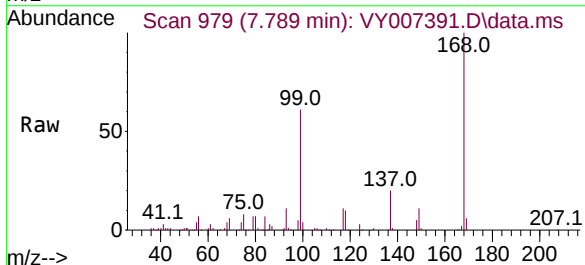
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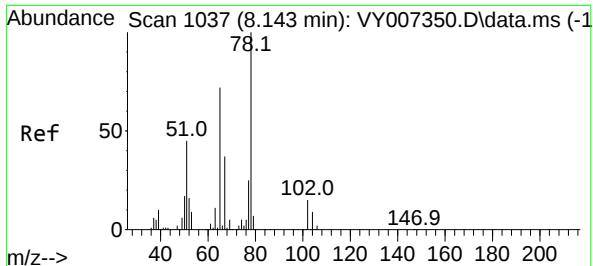
Tgt Ion: 43 Resp: 2824
Ion Ratio Lower Upper
43 100
72 17.1 17.7 26.5#



#31
Cyclohexane
Concen: 3.409 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.000 min
Lab File: VY007391.D
Acq: 04 Feb 2022 13:52

Tgt Ion: 56 Resp: 8853
Ion Ratio Lower Upper
56 100
69 88.2 26.7 40.1#
84 107.8 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 46.859 ug/l

RT: 8.142 min Scan# 1103

Delta R.T. -0.000 min

Lab File: VY007391.D

Acq: 04 Feb 2022 13:52

Instrument :

MSVOA_Y

ClientSampleId :

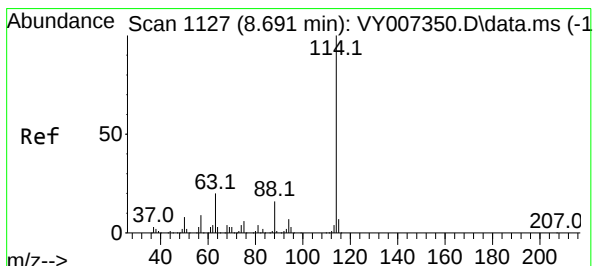
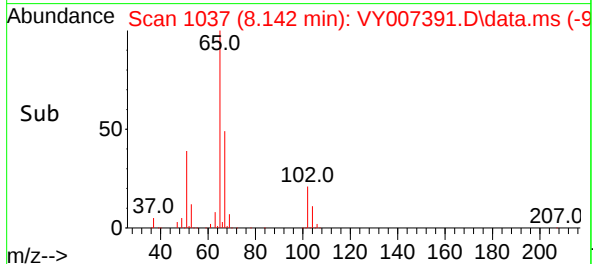
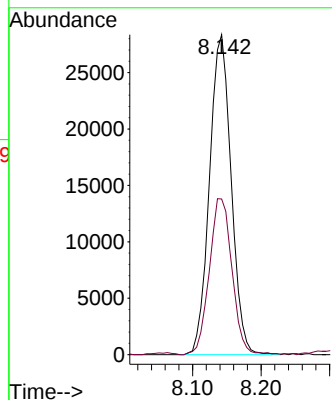
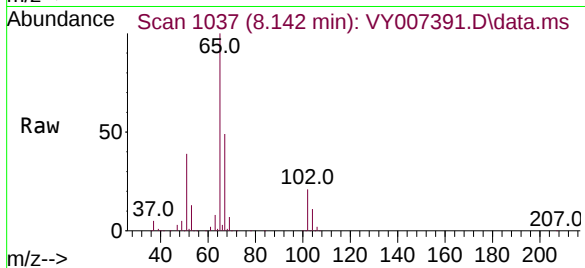
DB-05(20-22)-02-01-22RE

Tgt Ion: 65 Resp: 62361

Ion Ratio Lower Upper

65 100

67 51.0 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY007391.D

Acq: 04 Feb 2022 13:52

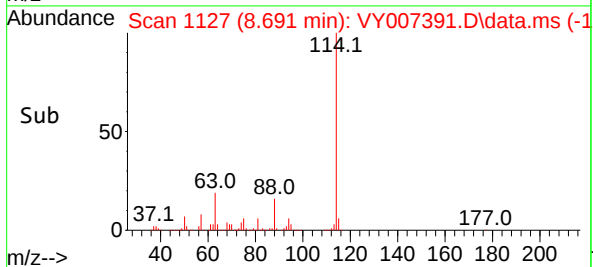
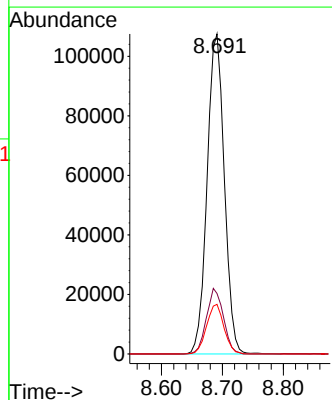
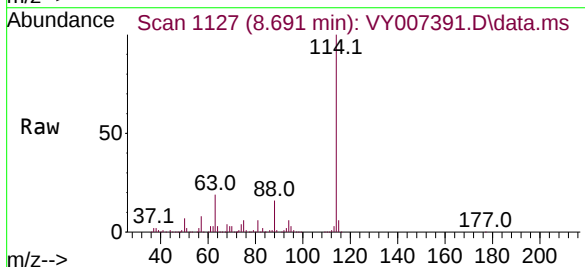
Tgt Ion:114 Resp: 211071

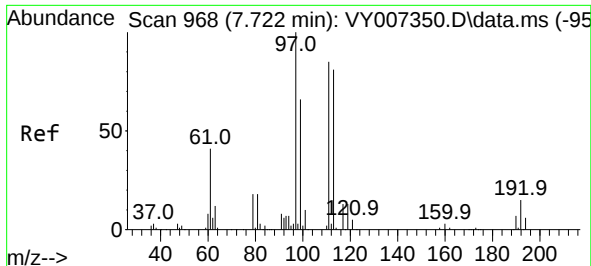
Ion Ratio Lower Upper

114 100

63 18.9 0.0 43.2

88 15.5 0.0 31.8

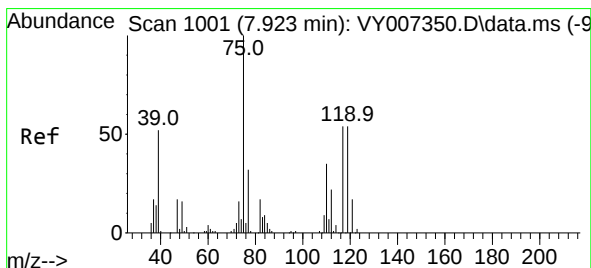
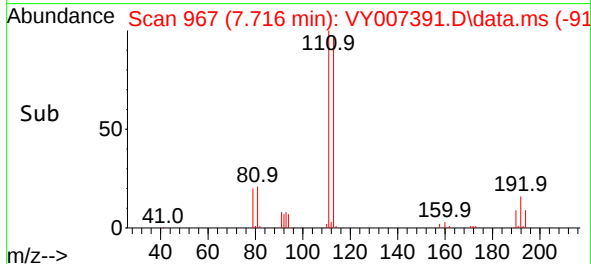
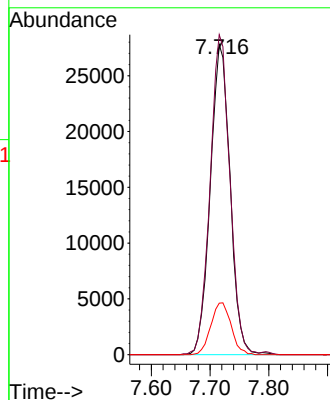
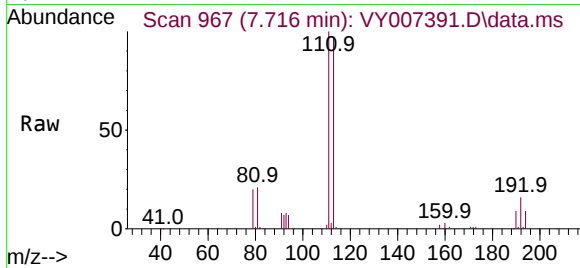




#35
Dibromofluoromethane
Concen: 47.985 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY007391.D
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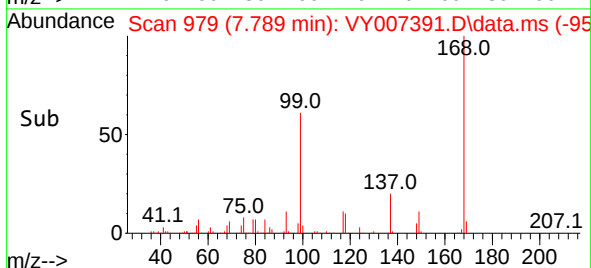
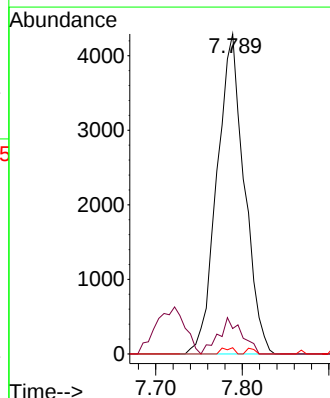
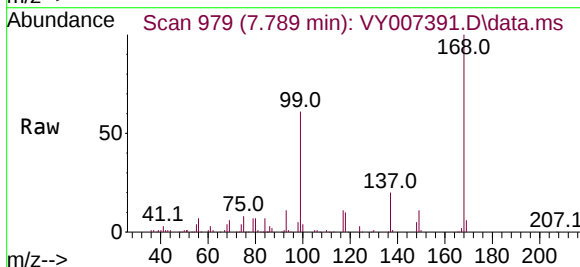
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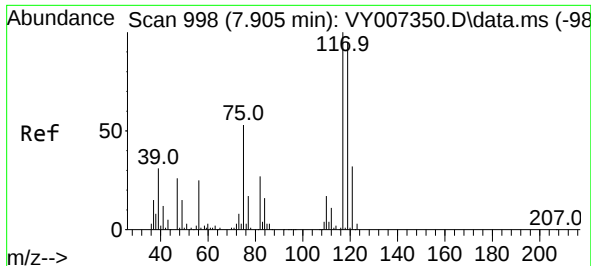
Tgt Ion:113 Resp: 65037
Ion Ratio Lower Upper
113 100
111 103.1 82.6 124.0
192 17.2 17.6 26.4#



#36
1,1-Dichloropropene
Concen: 3.972 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY007391.D
Acq: 04 Feb 2022 13:52

Tgt Ion: 75 Resp: 9411
Ion Ratio Lower Upper
75 100
110 9.7 17.1 51.2#
77 0.9 24.4 36.6#

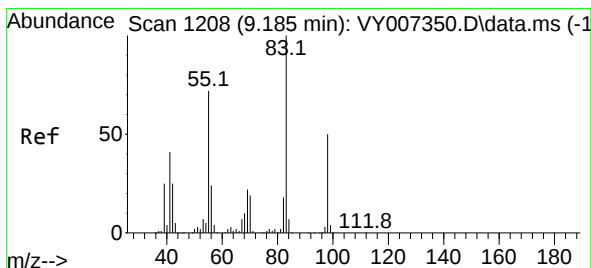
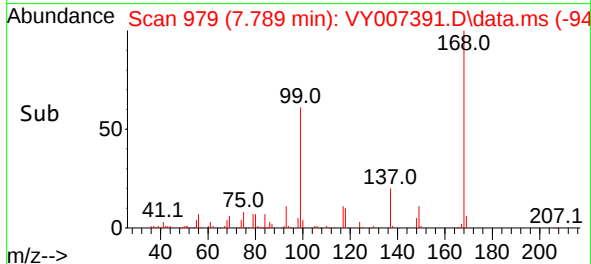
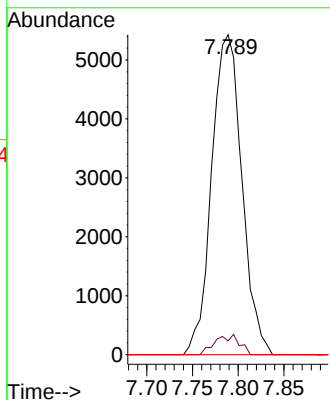
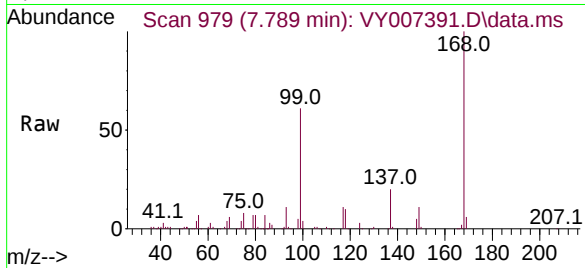




#38
Carbon Tetrachloride
Concen: 5.012 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY007391.D
Acq: 04 Feb 2022 13:52

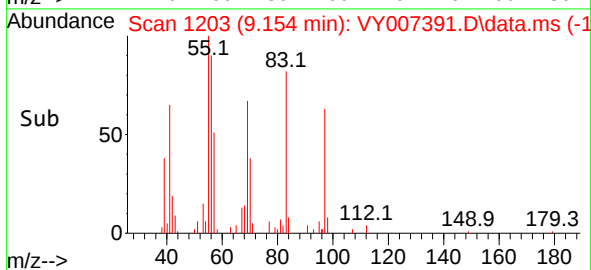
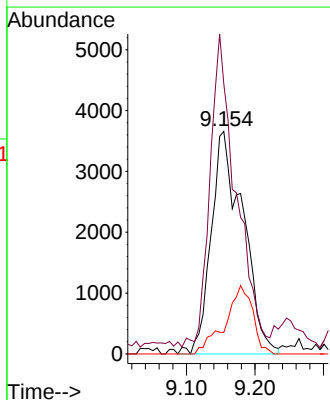
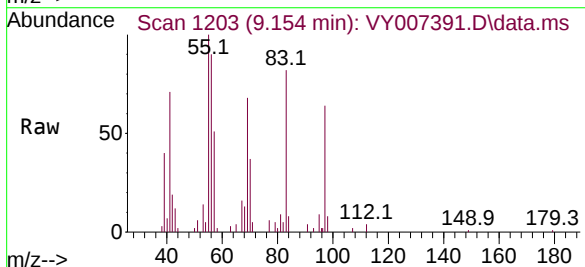
Instrument :
MSVOA_Y
ClientSampleId :
DB-05(20-22)-02-01-22RE

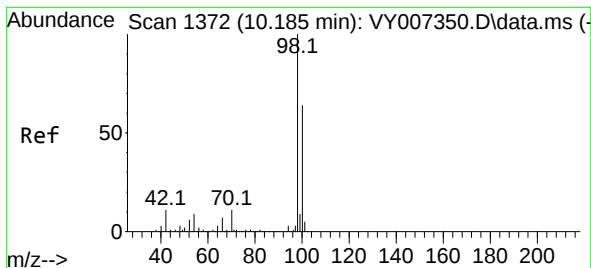
Tgt Ion:117 Resp: 12476
Ion Ratio Lower Upper
117 100
119 4.3 77.9 116.9#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: 3.985 ug/l
RT: 9.154 min Scan# 1203
Delta R.T. -0.031 min
Lab File: VY007391.D
Acq: 04 Feb 2022 13:52

Tgt Ion: 83 Resp: 11859
Ion Ratio Lower Upper
83 100
55 115.9 66.5 99.7#
98 9.7 37.9 56.9#





#50

Toluene-d8

Concen: 49.108 ug/l

RT: 10.179 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY007391.D

Acq: 04 Feb 2022 13:52

Instrument :

MSVOA_Y

ClientSampleId :

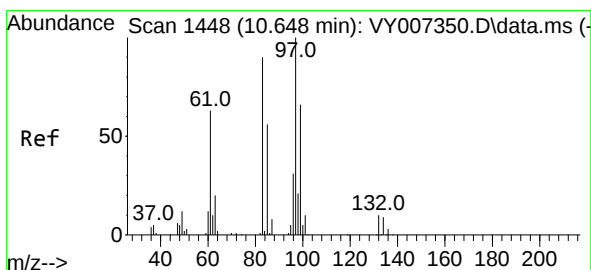
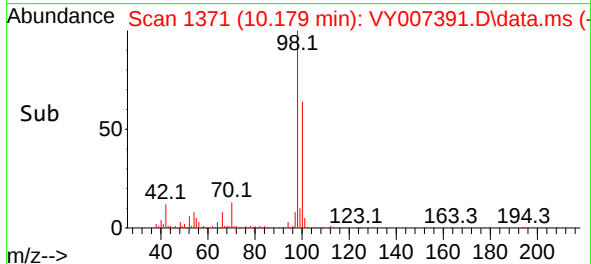
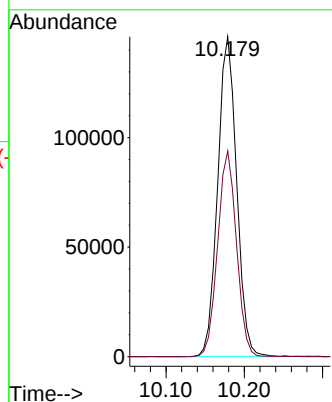
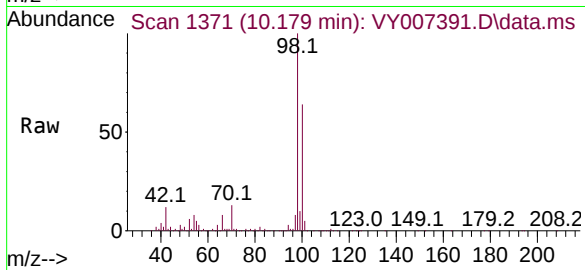
DB-05(20-22)-02-01-22RE

Tgt Ion: 98 Resp: 245903

Ion Ratio Lower Upper

98 100

100 63.8 50.2 75.2



#55

1,1,2-Trichloroethane

Concen: 10.646 ug/l

RT: 10.618 min Scan# 1443

Delta R.T. -0.031 min

Lab File: VY007391.D

Acq: 04 Feb 2022 13:52

Tgt Ion: 97 Resp: 12883

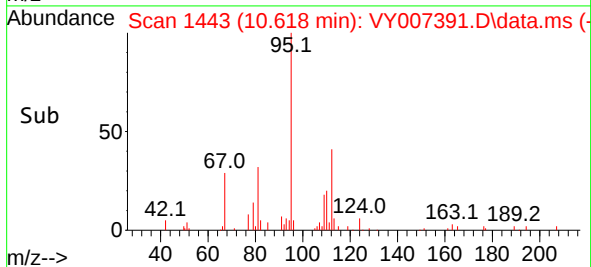
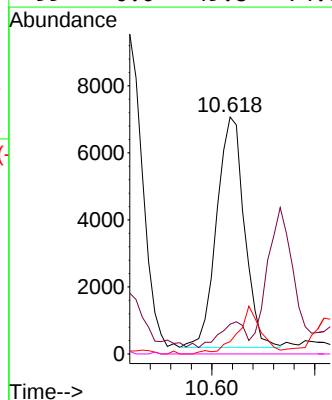
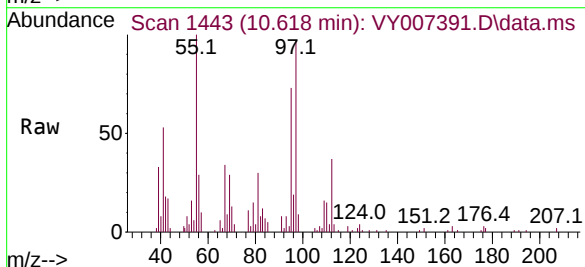
Ion Ratio Lower Upper

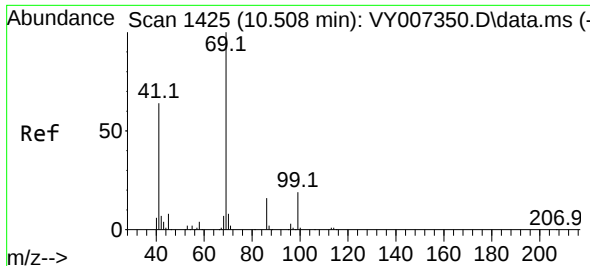
97 100

83 8.1 69.8 104.8#

85 5.4 44.3 66.5#

99 0.0 49.8 74.6#

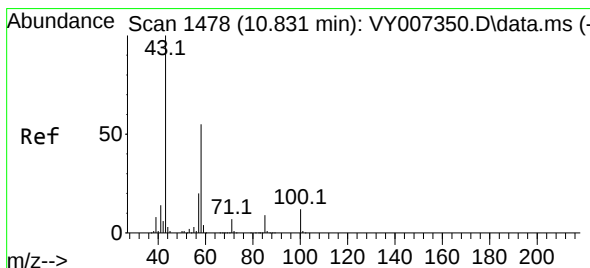
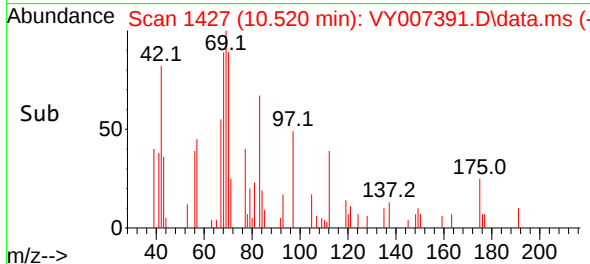
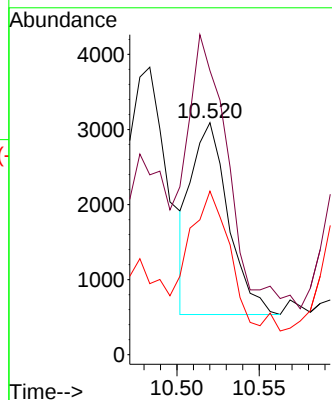
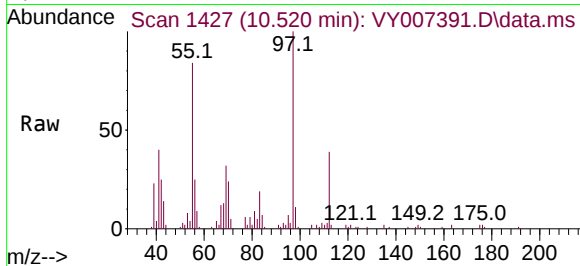




#56
Ethyl methacrylate
Concen: 2.379 ug/l
RT: 10.520 min Scan# 1425
Delta R.T. 0.012 min
Lab File: VY007391.D
Acq: 04 Feb 2022 13:52

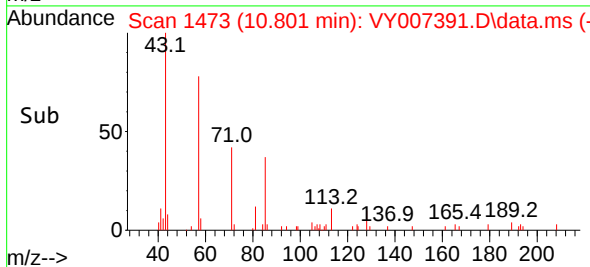
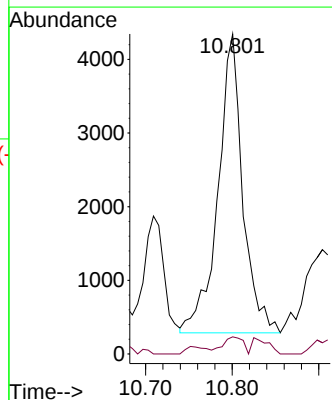
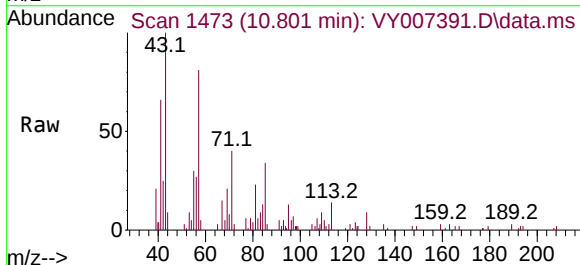
Instrument :
MSVOA_Y
ClientSampleId :
DB-05(20-22)-02-01-22RE

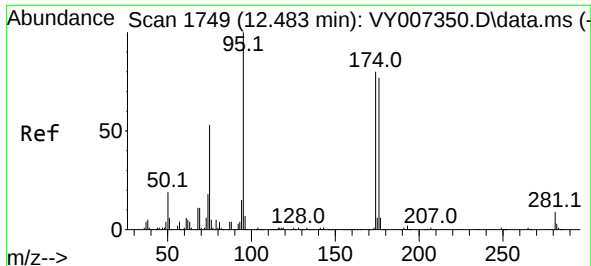
Tgt Ion: 69 Resp: 3998
Ion Ratio Lower Upper
69 100
41 160.7 63.4 95.0#
39 74.2 35.8 53.8#



#59
2-Hexanone
Concen: 9.875 ug/l
RT: 10.801 min Scan# 1473
Delta R.T. -0.031 min
Lab File: VY007391.D
Acq: 04 Feb 2022 13:52

Tgt Ion: 43 Resp: 8044
Ion Ratio Lower Upper
43 100
58 4.6 24.4 73.4#





#62

4-Bromofluorobenzene

Concen: 42.758 ug/l

RT: 12.477 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY007391.D

Acq: 04 Feb 2022 13:52

Instrument :

MSVOA_Y

ClientSampleId :

DB-05(20-22)-02-01-22RE

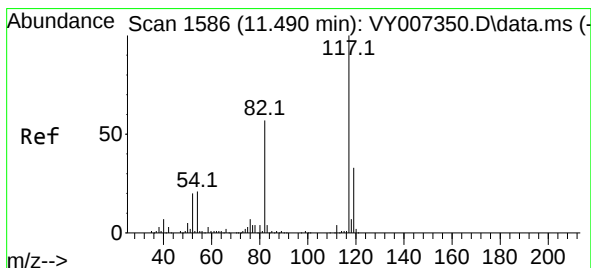
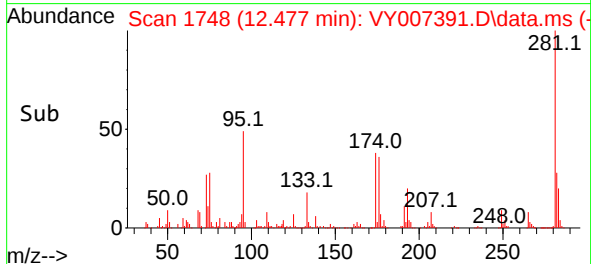
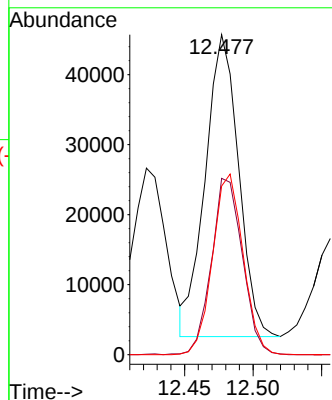
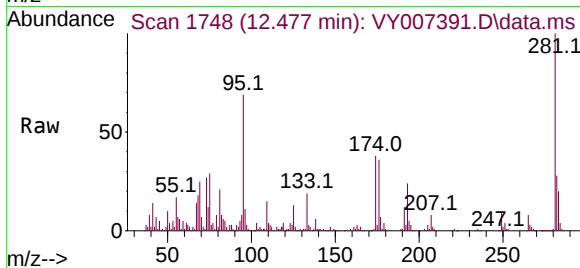
Tgt Ion: 95 Resp: 72772

Ion Ratio Lower Upper

95 100

174 54.4 0.0 177.0

176 55.0 0.0 175.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1586

Delta R.T. -0.000 min

Lab File: VY007391.D

Acq: 04 Feb 2022 13:52

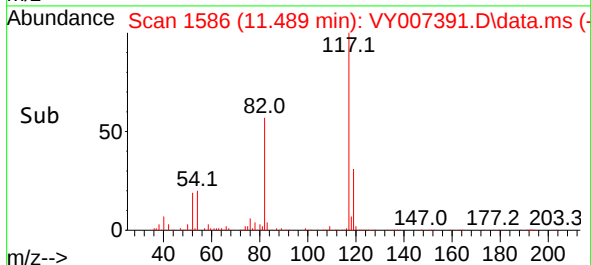
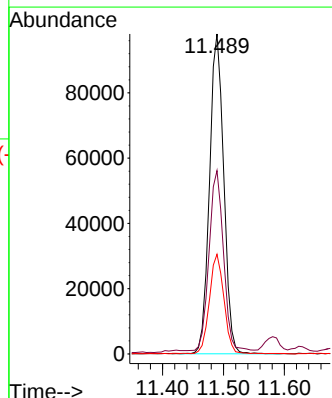
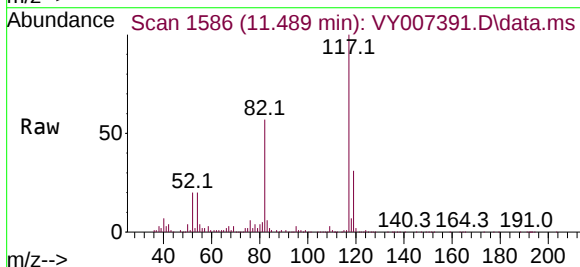
Tgt Ion: 117 Resp: 159083

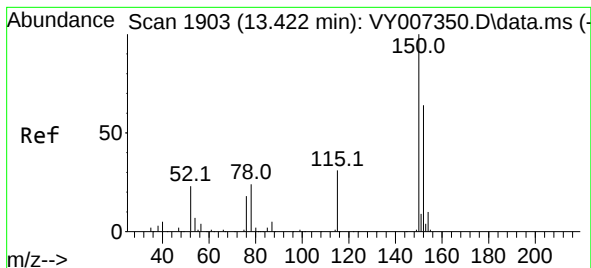
Ion Ratio Lower Upper

117 100

82 56.3 43.0 64.4

119 31.0 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY007391.D

Acq: 04 Feb 2022 13:52

Instrument :

MSVOA_Y

ClientSampleId :

DB-05(20-22)-02-01-22RE

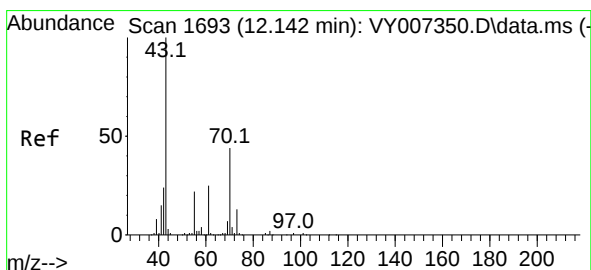
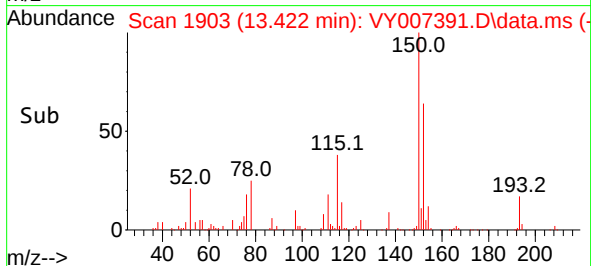
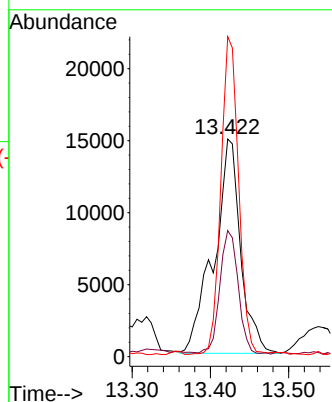
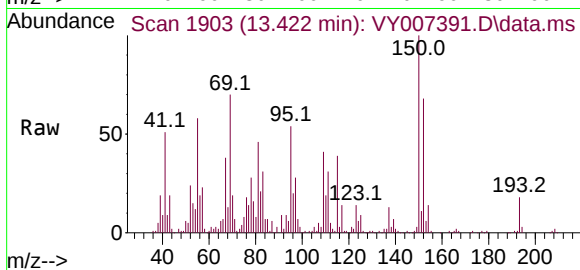
Tgt Ion:152 Resp: 35437

Ion Ratio Lower Upper

152 100

115 38.8 28.2 84.7

150 97.6 0.0 347.6



#74

N-ethyl acetate

Concen: 19.173 ug/l

RT: 12.123 min Scan# 1690

Delta R.T. -0.018 min

Lab File: VY007391.D

Acq: 04 Feb 2022 13:52

Tgt Ion: 43 Resp: 15370

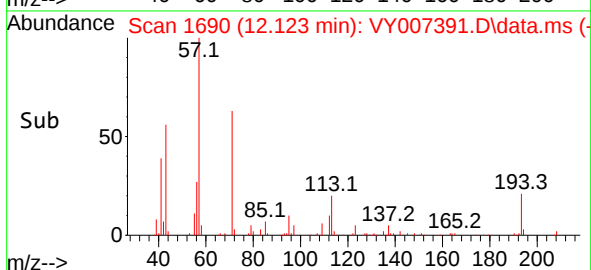
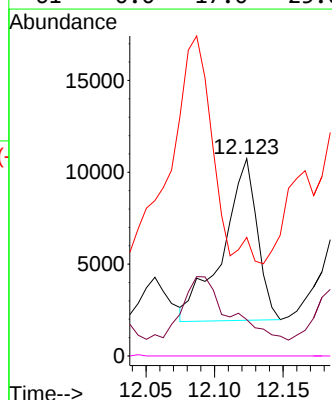
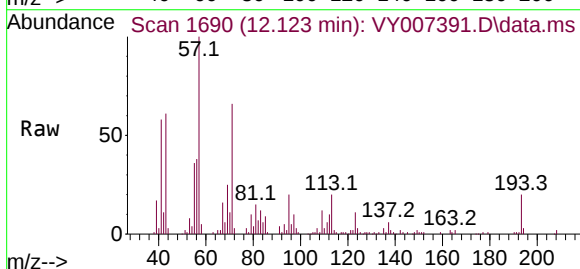
Ion Ratio Lower Upper

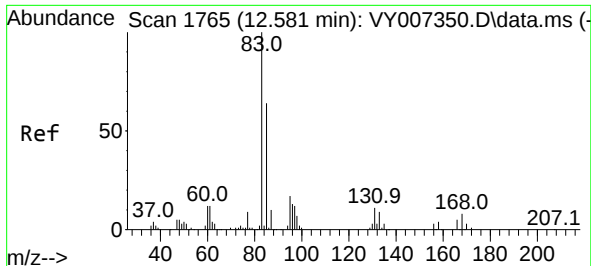
43 100

70 0.0 28.7 43.1#

55 0.0 17.3 25.9#

61 0.0 17.0 25.6#

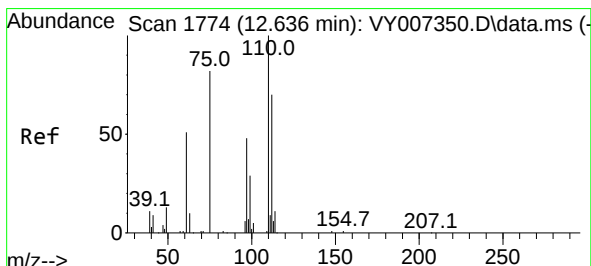
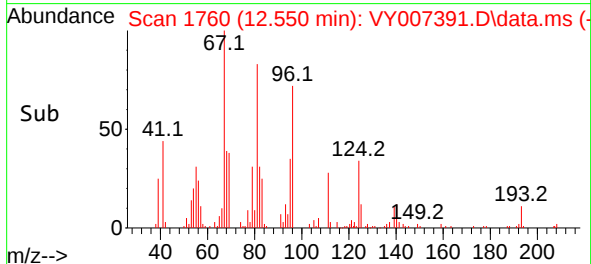
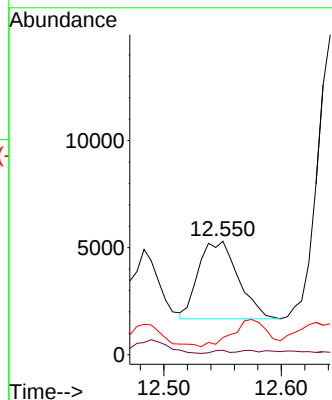
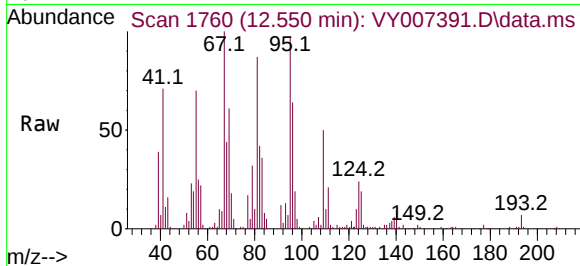




#75
 1,1,2,2-Tetrachloroethane
 Concen: 14.392 ug/l
 RT: 12.550 min Scan# 1760
 Delta R.T. -0.031 min
 Lab File: VY007391.D
 Acq: 04 Feb 2022 13:52

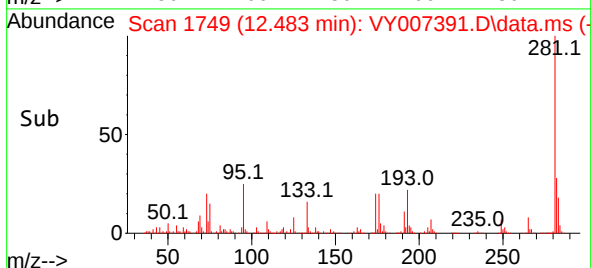
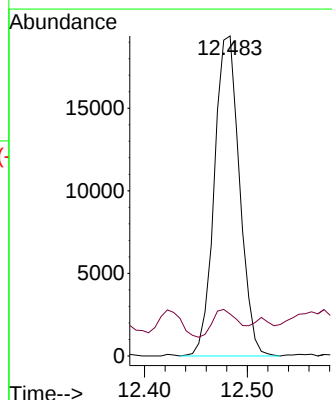
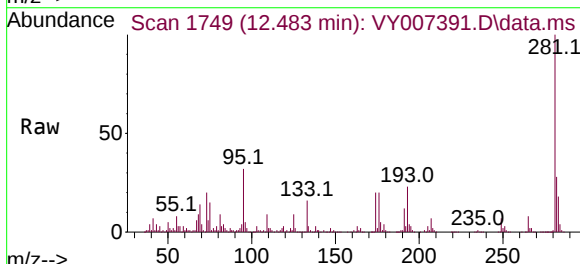
Instrument :
 MSVOA_Y
 ClientSampleId :
 DB-05(20-22)-02-01-22RE

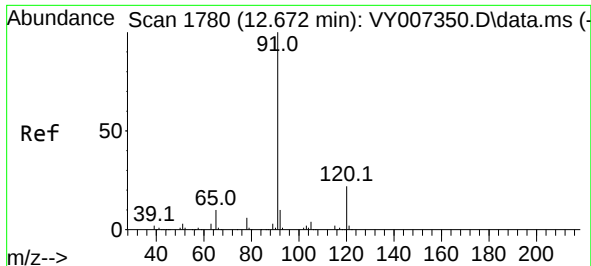
Tgt Ion: 83 Resp: 8512
 Ion Ratio Lower Upper
 83 100
 131 1.5 5.6 16.8#
 85 0.0 32.3 96.8#



#76
 1,2,3-Trichloropropane
 Concen: 78.216 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY007391.D
 Acq: 04 Feb 2022 13:52

Tgt Ion: 75 Resp: 32951
 Ion Ratio Lower Upper
 75 100
 77 9.0 0.0 0.0#

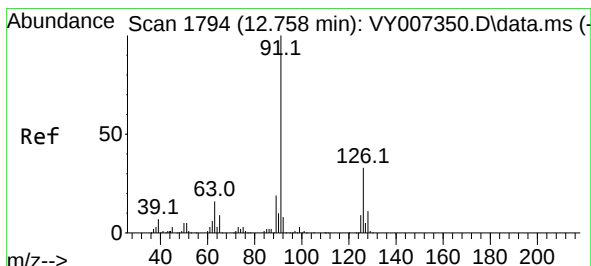
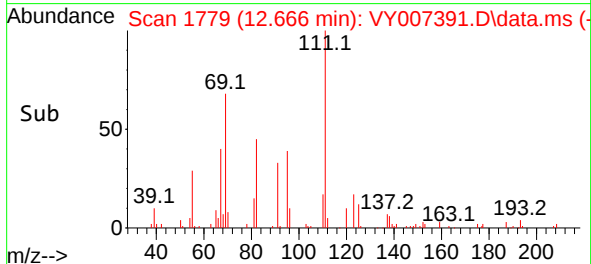
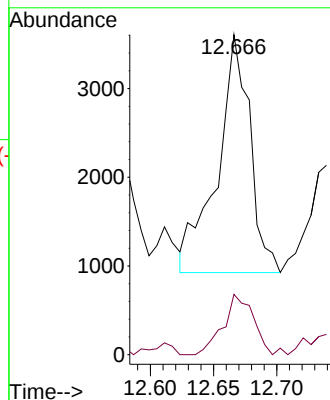
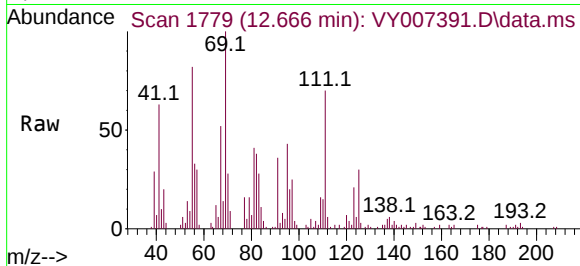




#78
n-propylbenzene
Concen: 1.232 ug/l
RT: 12.666 min Scan# 1779
Delta R.T. -0.006 min
Lab File: VY007391.D
Acq: 04 Feb 2022 13:52

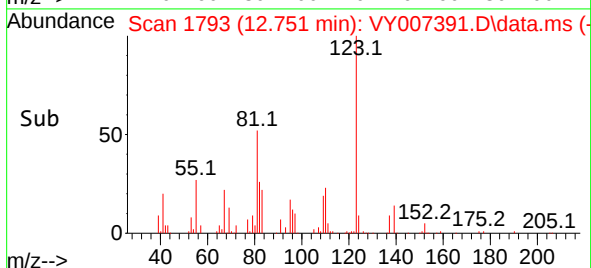
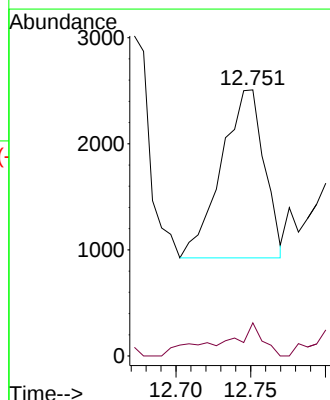
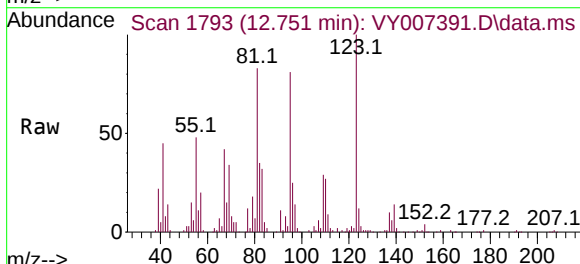
Instrument :
MSVOA_Y
ClientSampleId :
DB-05(20-22)-02-01-22RE

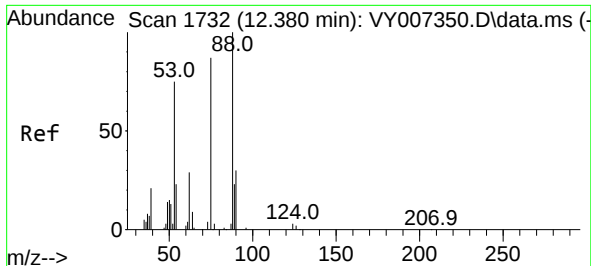
Tgt Ion: 91 Resp: 4834
Ion Ratio Lower Upper
91 100
120 23.7 11.3 33.9



#79
2-Chlorotoluene
Concen: 1.456 ug/l
RT: 12.751 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VY007391.D
Acq: 04 Feb 2022 13:52

Tgt Ion: 91 Resp: 3162
Ion Ratio Lower Upper
91 100
126 18.7 16.9 50.6

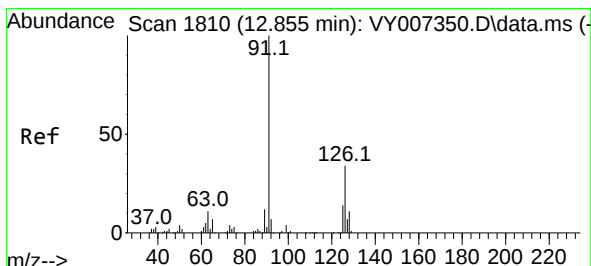
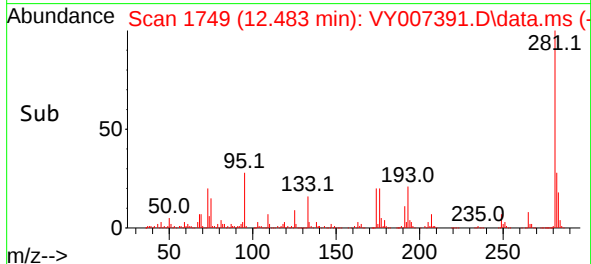
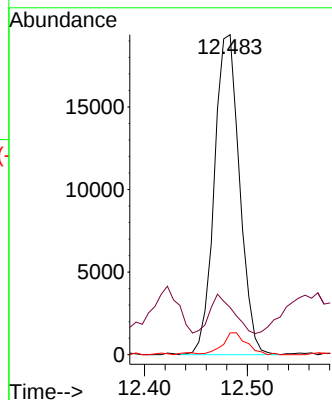
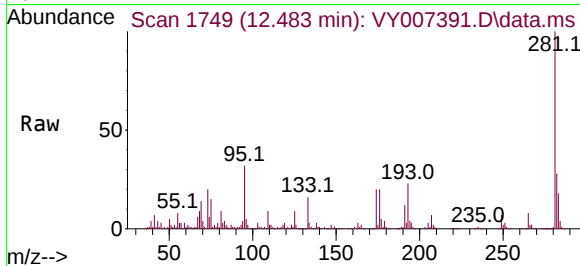




#81
trans-1,4-Dichloro-2-butene
Concen: 156.700 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY007391.D
Acq: 04 Feb 2022 13:52

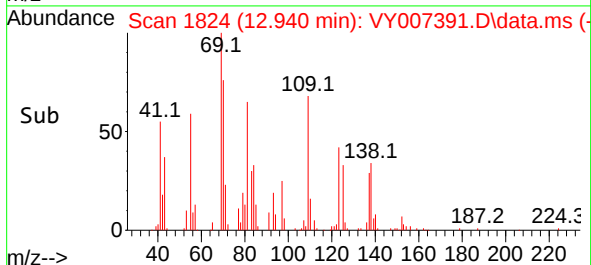
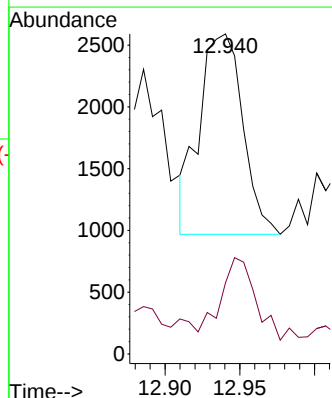
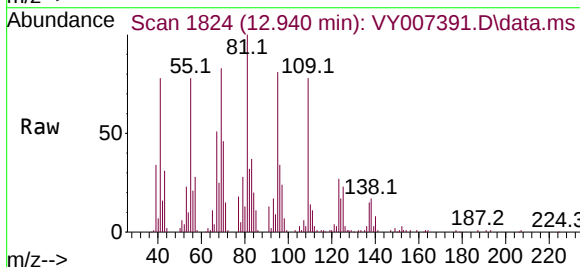
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MSVOA_Y
ClientSampleId :
DB-05(20-22)-02-01-22RE

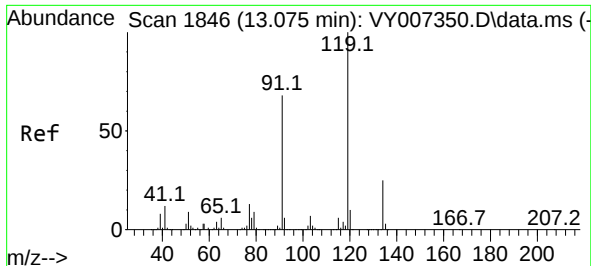
Tgt Ion: 75 Resp: 32951
Ion Ratio Lower Upper
75 100
53 11.2 85.3 127.9#
89 6.6 37.0 55.4#



#82
4-Chlorotoluene
Concen: 1.469 ug/l
RT: 12.940 min Scan# 1824
Delta R.T. 0.085 min
Lab File: VY007391.D
Acq: 04 Feb 2022 13:52

Tgt Ion: 91 Resp: 3278
Ion Ratio Lower Upper
91 100
126 31.1 17.0 51.0

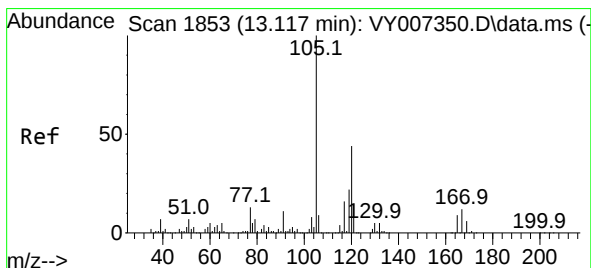
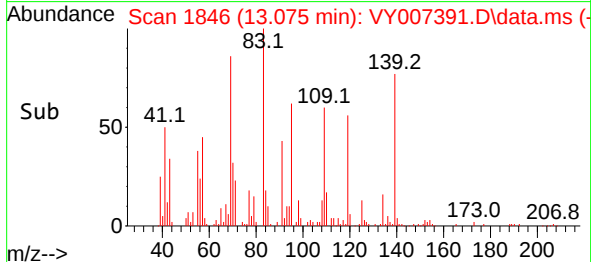
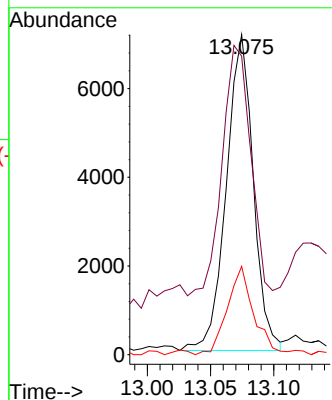
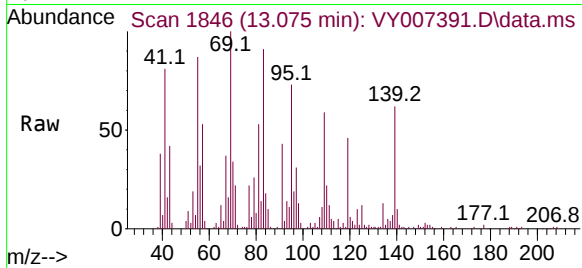




#83
tert-Butylbenzene
Concen: 4.603 ug/l
RT: 13.075 min Scan# 1846
Delta R.T. -0.000 min
Lab File: VY007391.D
Acq: 04 Feb 2022 13:52

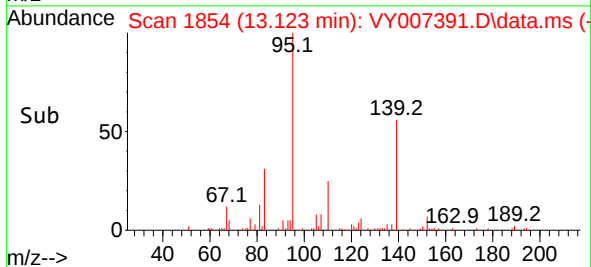
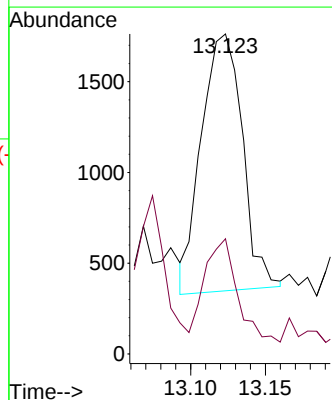
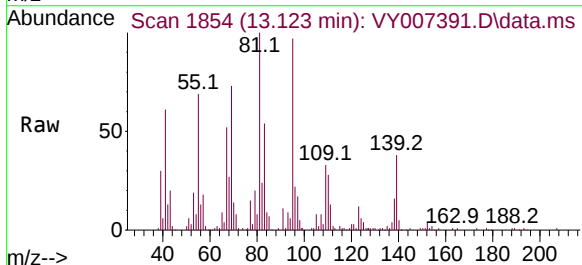
Instrument :
MSVOA_Y
ClientSampleId :
DB-05(20-22)-02-01-22RE

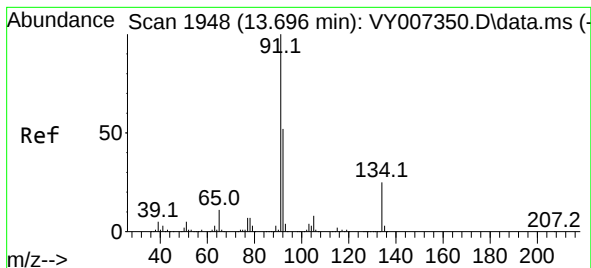
Tgt Ion:119 Resp: 10587
Ion Ratio Lower Upper
119 100
91 83.5 34.8 104.4
134 27.9 13.3 39.9



#84
1,2,4-Trimethylbenzene
Concen: 1.039 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VY007391.D
Acq: 04 Feb 2022 13:52

Tgt Ion:105 Resp: 2703
Ion Ratio Lower Upper
105 100
120 36.7 22.3 66.9





#89

n-Butylbenzene

Concen: 1.175 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VY007391.D

Acq: 04 Feb 2022 13:52

Instrument :

MSVOA_Y

ClientSampleId :

DB-05(20-22)-02-01-22RE

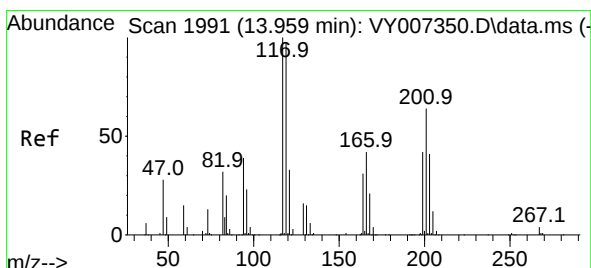
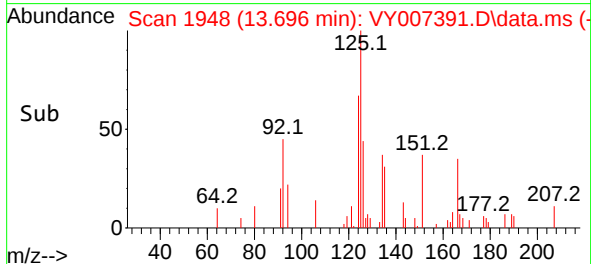
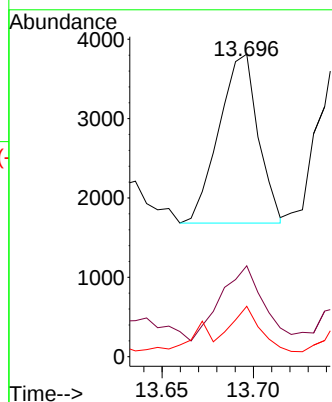
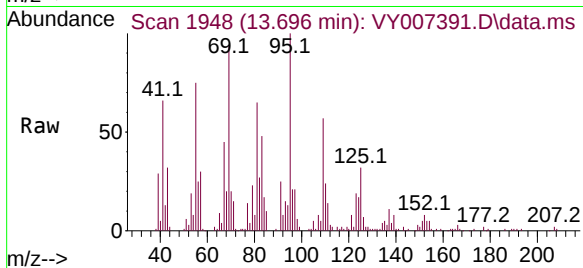
Tgt Ion: 91 Resp: 3178

Ion Ratio Lower Upper

91 100

92 48.2 26.3 78.9

134 20.2 13.0 38.9



#90

Hexachloroethane

Concen: 2.086 ug/l

RT: 13.971 min Scan# 1993

Delta R.T. 0.012 min

Lab File: VY007391.D

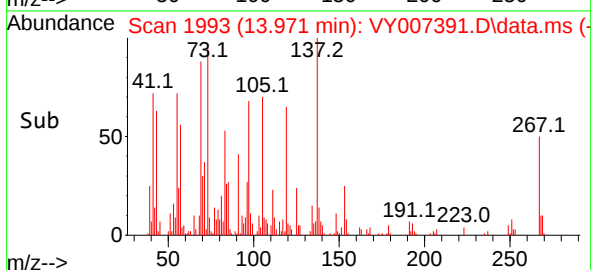
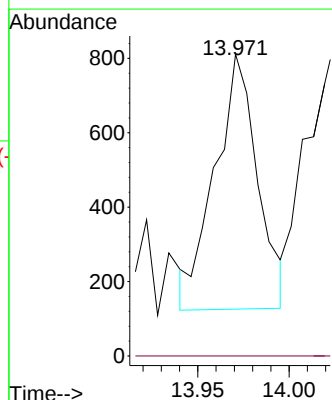
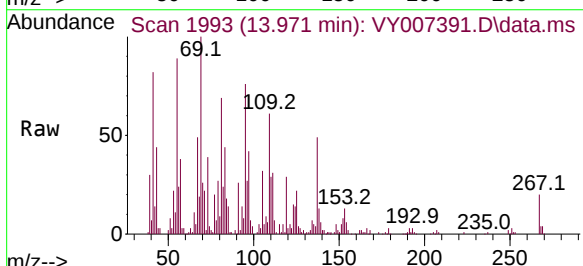
Acq: 04 Feb 2022 13:52

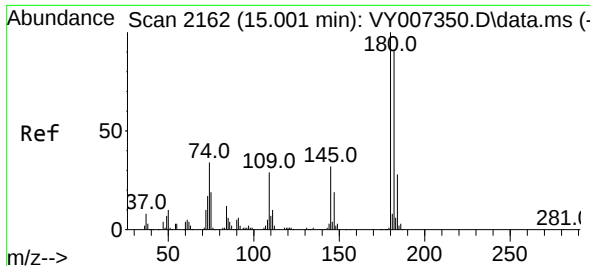
Tgt Ion: 117 Resp: 1108

Ion Ratio Lower Upper

117 100

201 0.0 43.0 128.8#

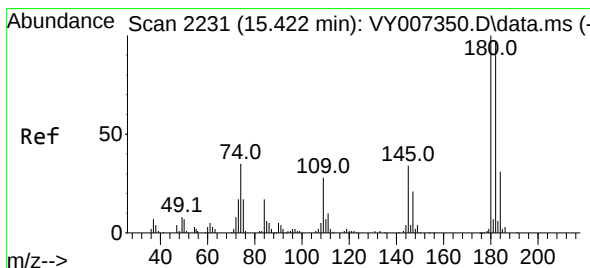
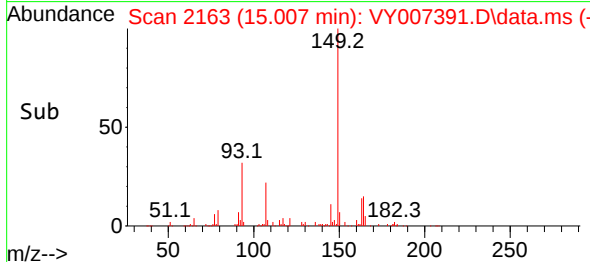
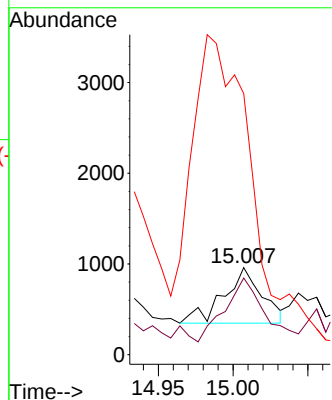
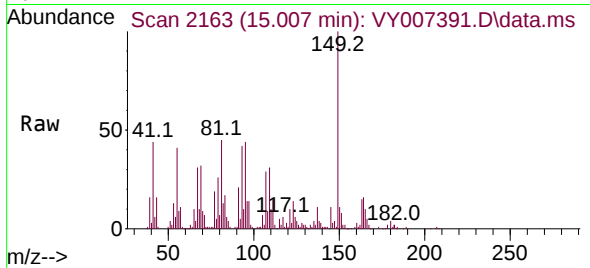




#93
1,2,4-Trichlorobenzene
Concen: 1.581 ug/l
RT: 15.007 min Scan# 2162
Delta R.T. 0.006 min
Lab File: VY007391.D
Acq: 04 Feb 2022 13:52

Instrument :
MSVOA_Y
ClientSampleId :
DB-05(20-22)-02-01-22RE

Tgt Ion:180 Resp: 1090
Ion Ratio Lower Upper
180 100
182 119.3 47.3 141.9
145 0.0 14.6 43.8#



#96
1,2,3-Trichlorobenzene
Concen: 2.756 ug/l
RT: 15.391 min Scan# 2226
Delta R.T. -0.031 min
Lab File: VY007391.D
Acq: 04 Feb 2022 13:52

Tgt Ion:180 Resp: 1604
Ion Ratio Lower Upper
180 100
182 0.0 47.3 141.9#
145 398.7 15.3 45.9#

