

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042722\
 Data File : VY008527.D
 Acq On : 27 Apr 2022 15:11
 Operator : KP/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Apr 28 01:32:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 21 14:28:40 2022
 Response via : Initial Calibration

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

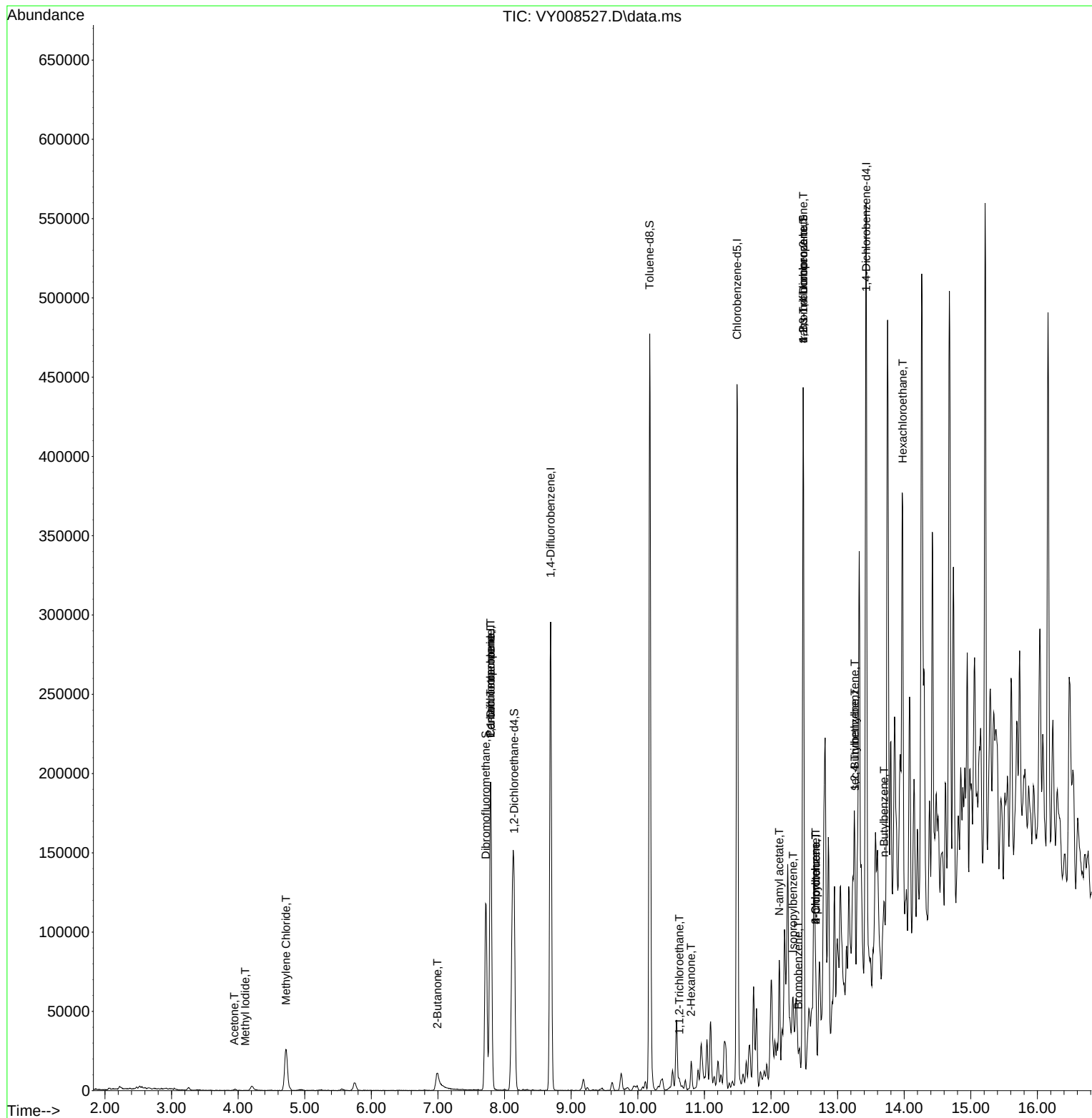
Internal Standards						
1) Pentafluorobenzene	7.789	168	166230	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	277363	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	271901	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	138996	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	73338	37.496	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	75.000%
35) Dibromofluoromethane	7.716	113	85594	47.817	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.640%
50) Toluene-d8	10.179	98	322032	45.353	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	90.700%
62) 4-Bromofluorobenzene	12.483	95	120552	50.014	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	100.020%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.107	142	48	1.711	ug/l #	35
11) Tert butyl alcohol	4.948	59	591	Below Cal	#	77
16) Acetone	3.942	43	1414	3.104	ug/l #	81
20) Methylene Chloride	4.716	84	22543	3.815	ug/l #	73
25) 2-Butanone	6.990	43	810	1.149	ug/l #	54
36) 1,1-Dichloropropene	7.789	75	10498	3.687	ug/l #	50
38) Carbon Tetrachloride	7.789	117	15007	5.073	ug/l #	15
55) 1,1,2-Trichloroethane	10.624	97	3236	1.696	ug/l #	22
59) 2-Hexanone	10.801	43	6247	5.958	ug/l #	32
73) Isopropylbenzene	12.331	105	12896	1.224	ug/l	99
74) N-amyl acetate	12.124	43	12671	4.866	ug/l #	68
76) 1,2,3-Trichloropropane	12.483	75	56547	31.435	ug/l #	100
77) Bromobenzene	12.410	156	4302	1.674	ug/l #	1
78) n-propylbenzene	12.672	91	35118	2.778	ug/l	95
79) 2-Chlorotoluene	12.672	91	35118	4.936	ug/l #	41
81) trans-1,4-Dichloro-2-b...	12.483	75	56547	72.926	ug/l #	8
82) 4-Chlorotoluene	12.672	91	35118	4.763	ug/l #	41
84) 1,2,4-Trimethylbenzene	13.258	105	39886	4.595	ug/l #	32
85) sec-Butylbenzene	13.258	105	39886	3.480	ug/l #	75
89) n-Butylbenzene	13.697	91	17598	2.020	ug/l #	84
90) Hexachloroethane	13.977	117	11111	6.439	ug/l #	6

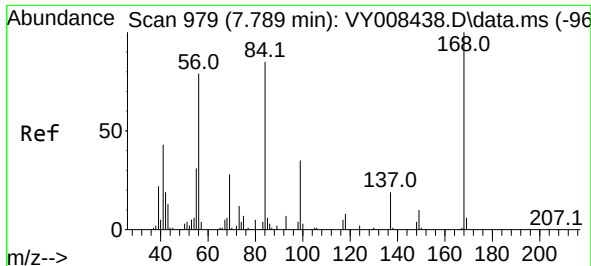
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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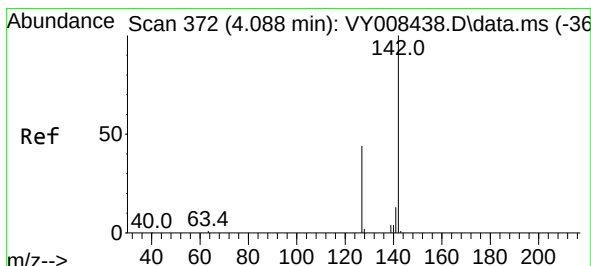
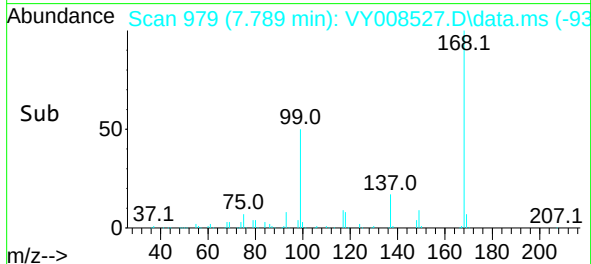
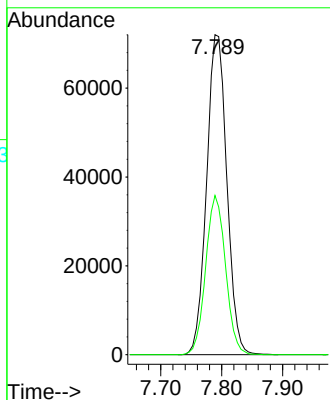
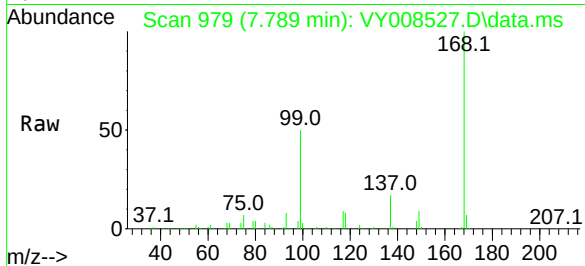




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY008527.D
Acq: 27 Apr 2022 15:11

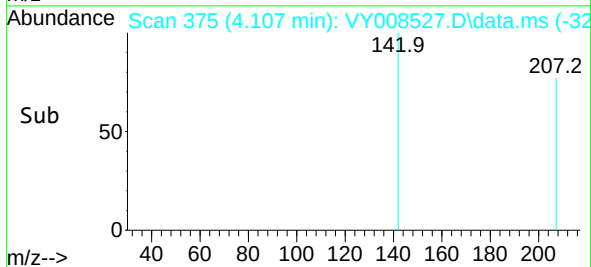
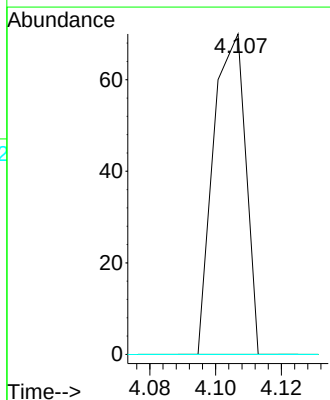
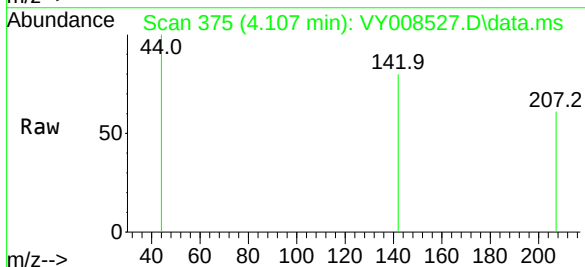
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

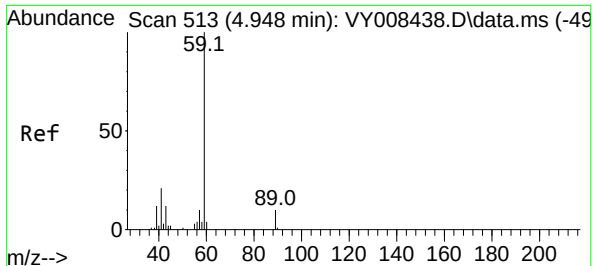
Tgt Ion:168 Resp: 166230
Ion Ratio Lower Upper
168 100
99 49.8 46.9 70.3



#10
Methyl Iodide
Concen: 1.711 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.019 min
Lab File: VY008527.D
Acq: 27 Apr 2022 15:11

Tgt Ion:142 Resp: 48
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 0.0 11.9 17.9#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.948 min Scan# 513

Delta R.T. 0.000 min

Lab File: VY008527.D

Acq: 27 Apr 2022 15:11

Instrument :

MSVOA_Y

ClientSampleId :

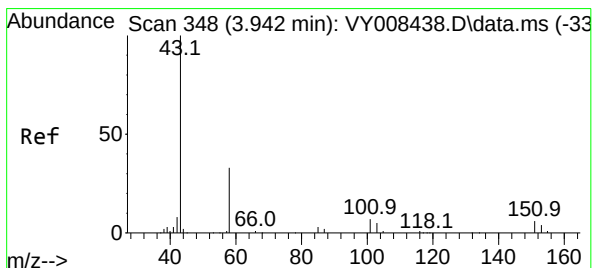
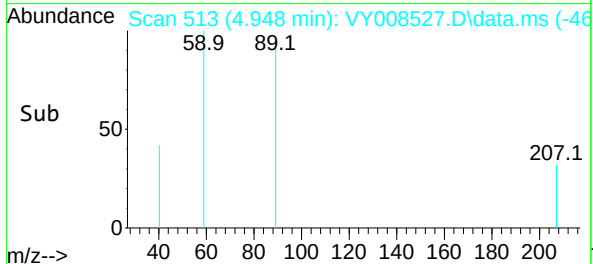
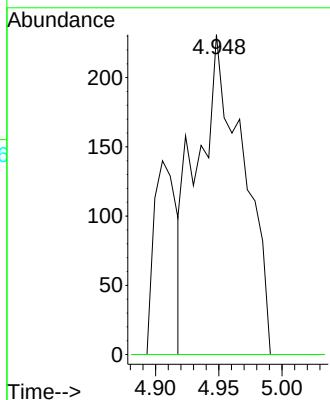
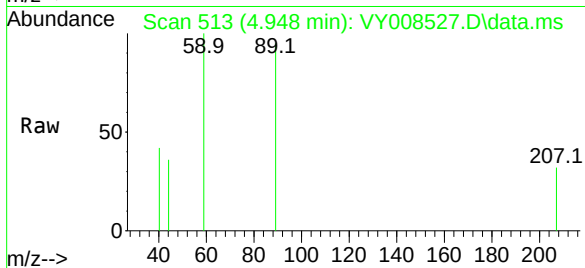
VIBLK

Tgt Ion: 59 Resp: 591

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 3.104 ug/l

RT: 3.942 min Scan# 348

Delta R.T. 0.000 min

Lab File: VY008527.D

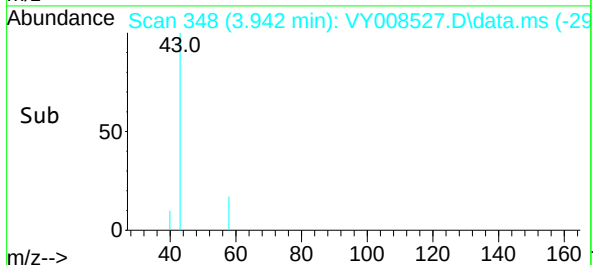
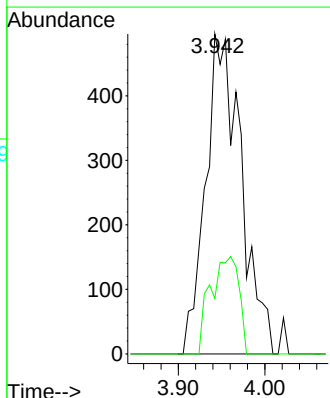
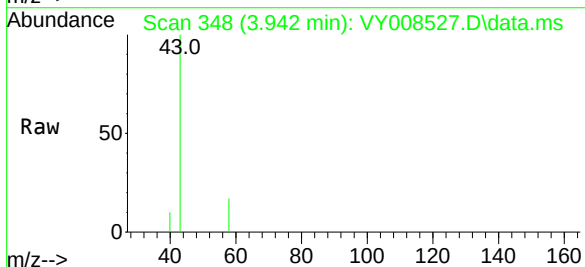
Acq: 27 Apr 2022 15:11

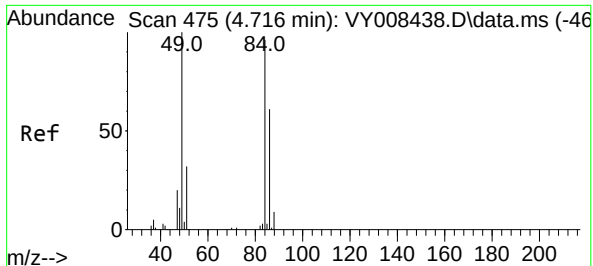
Tgt Ion: 43 Resp: 1414

Ion Ratio Lower Upper

43 100

58 17.3 22.0 33.0#

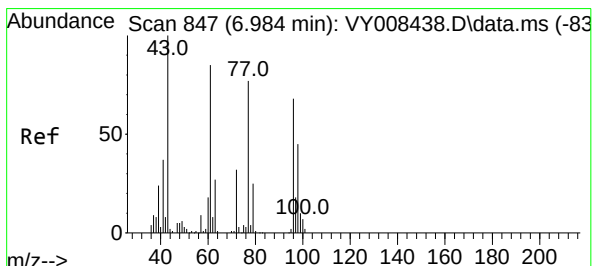
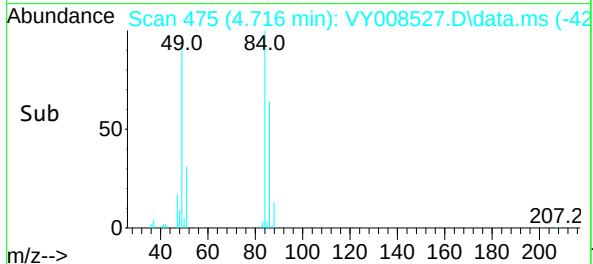
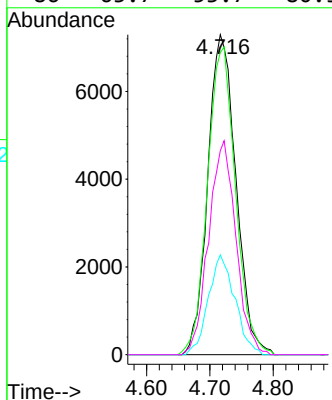
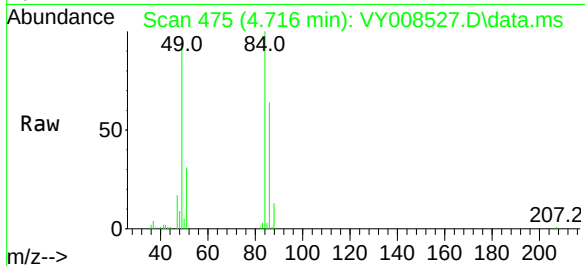




#20
Methylene Chloride
Concen: 3.815 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY008527.D
Acq: 27 Apr 2022 15:11

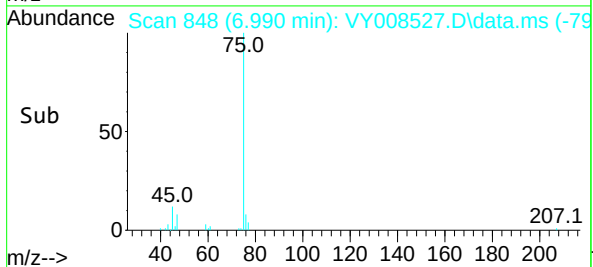
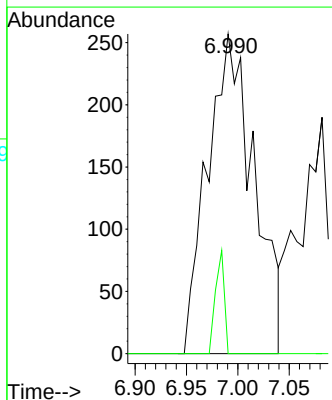
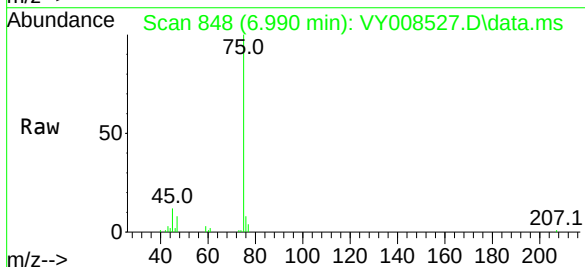
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

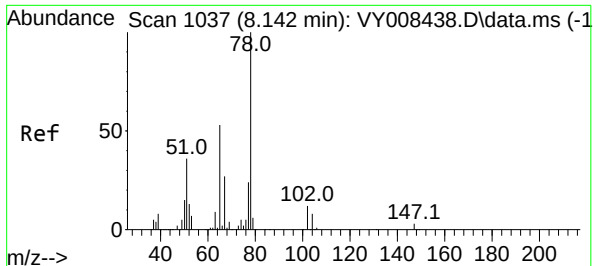
Tgt Ion: 84 Resp: 22543
Ion Ratio Lower Upper
84 100
49 94.4 114.4 171.6#
51 31.2 35.3 52.9#
86 63.7 53.7 80.5



#25
2-Butanone
Concen: 1.149 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY008527.D
Acq: 27 Apr 2022 15:11

Tgt Ion: 43 Resp: 810
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#





#33

1,2-Dichloroethane-d4

Concen: 37.496 ug/l

RT: 8.143 min Scan# 1

Delta R.T. 0.001 min

Lab File: VY008527.D

Acq: 27 Apr 2022 15:11

Instrument :

MSVOA_Y

ClientSampleId :

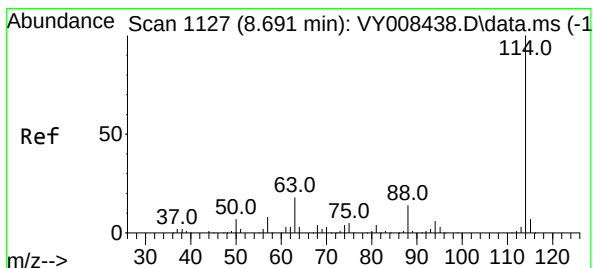
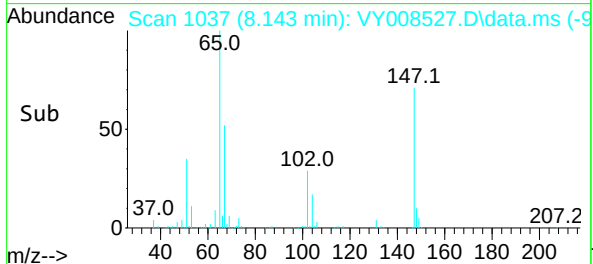
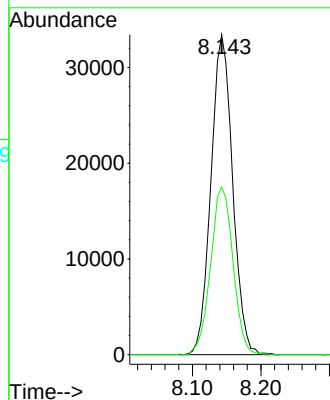
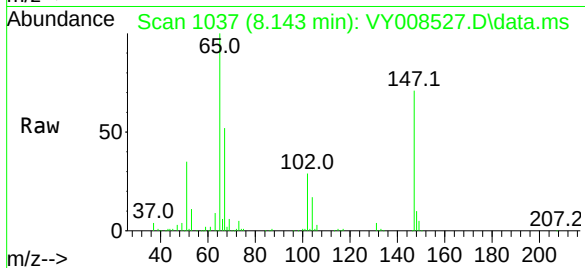
VIBLK

Tgt Ion: 65 Resp: 73338

Ion Ratio Lower Upper

65 100

67 54.3 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: VY008527.D

Acq: 27 Apr 2022 15:11

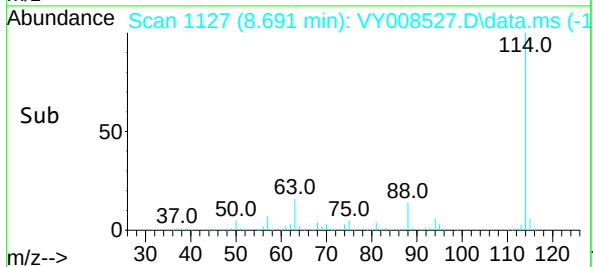
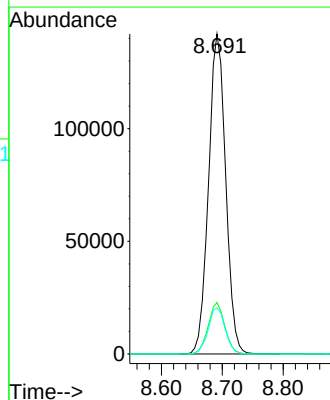
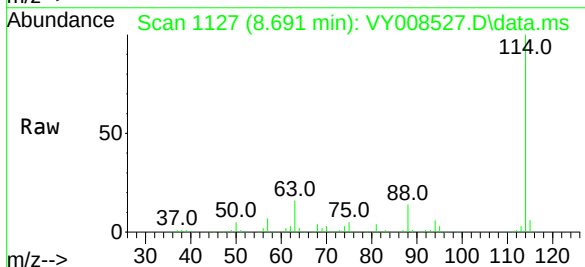
Tgt Ion: 114 Resp: 277363

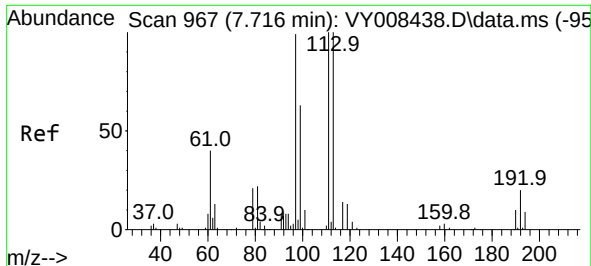
Ion Ratio Lower Upper

114 100

63 16.1 0.0 43.2

88 14.4 0.0 31.8

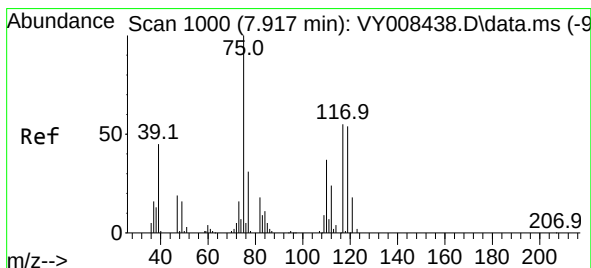
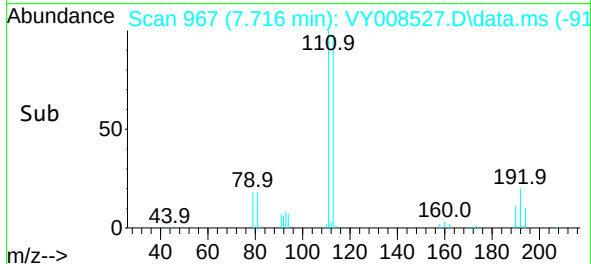
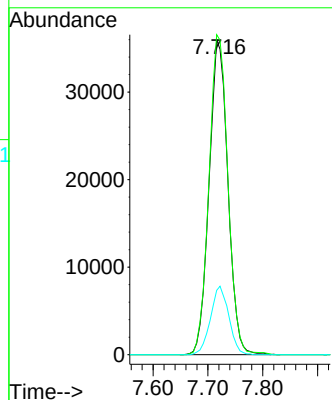
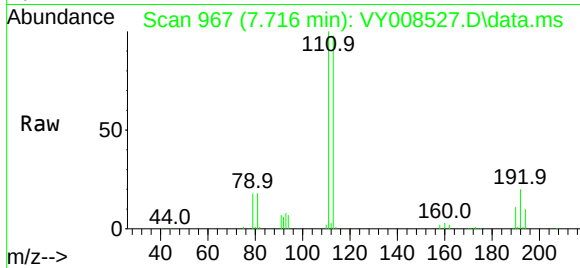




#35
Dibromofluoromethane
Concen: 47.817 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY008527.D
Acq: 27 Apr 2022 15:11

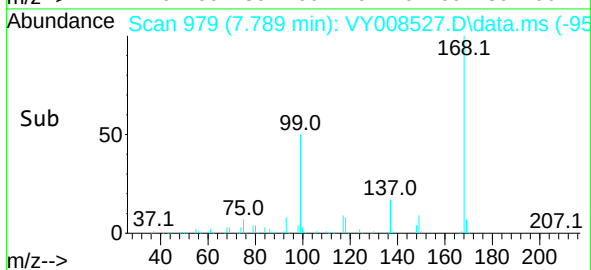
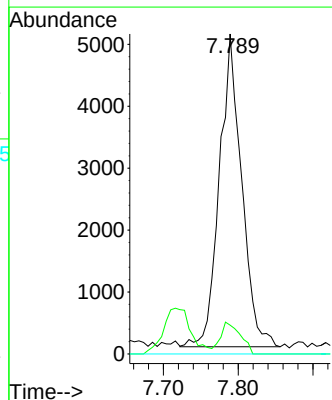
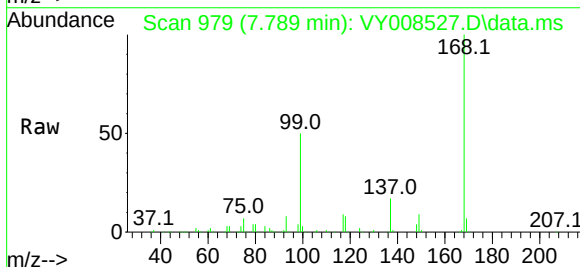
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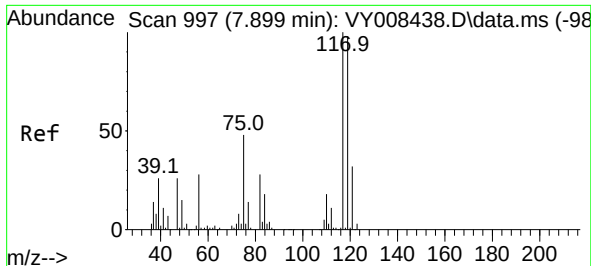
Tgt Ion:113 Resp: 85594
Ion Ratio Lower Upper
113 100
111 102.7 82.6 124.0
192 21.2 17.6 26.4



#36
1,1-Dichloropropene
Concen: 3.687 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY008527.D
Acq: 27 Apr 2022 15:11

Tgt Ion: 75 Resp: 10498
Ion Ratio Lower Upper
75 100
110 8.9 17.1 51.2#
77 0.0 24.4 36.6#

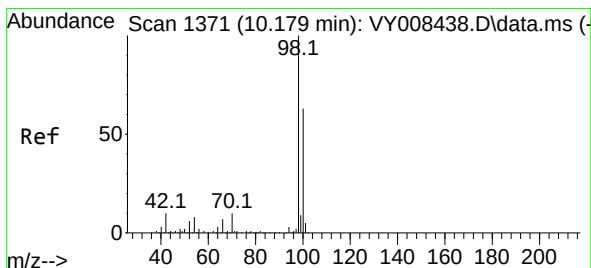
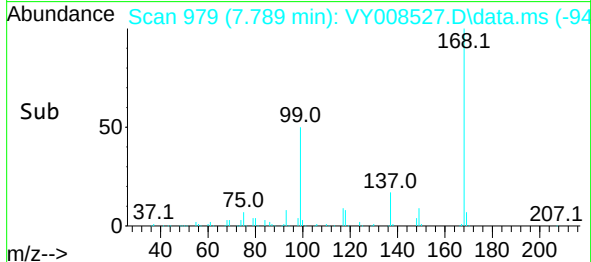
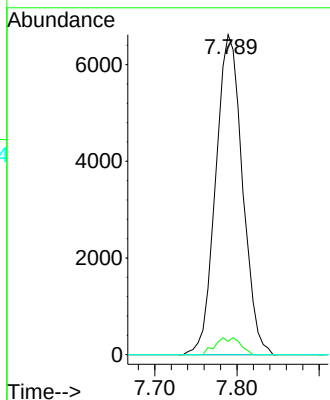
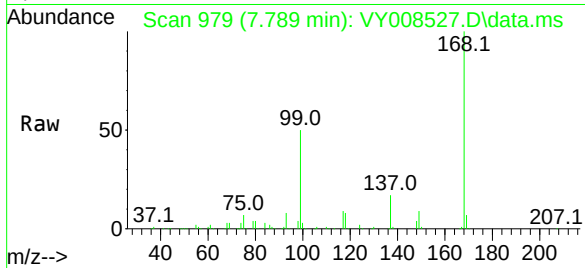




#38
Carbon Tetrachloride
Concen: 5.073 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY008527.D
Acq: 27 Apr 2022 15:11

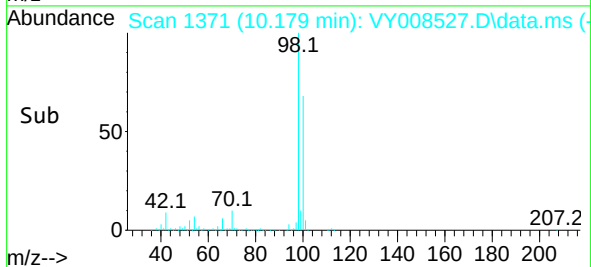
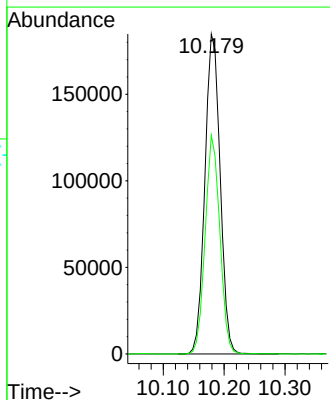
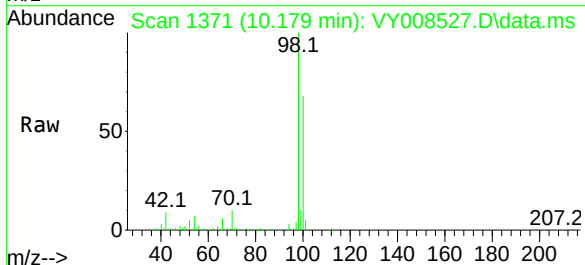
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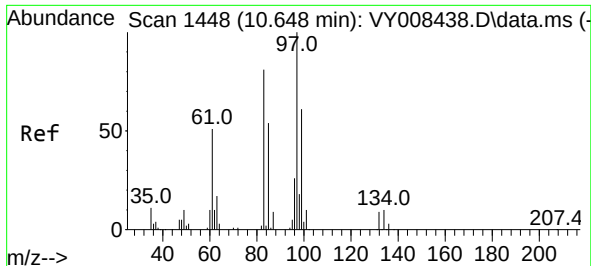
Tgt Ion:117 Resp: 15007
Ion Ratio Lower Upper
117 100
119 4.2 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 45.353 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008527.D
Acq: 27 Apr 2022 15:11

Tgt Ion: 98 Resp: 322032
Ion Ratio Lower Upper
98 100
100 65.6 50.2 75.2

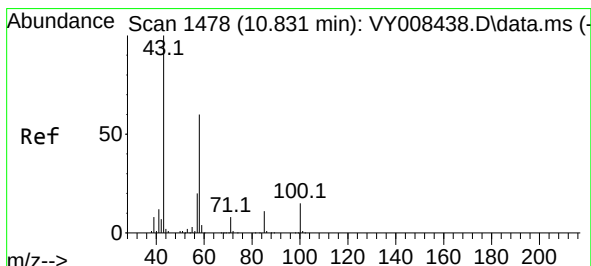
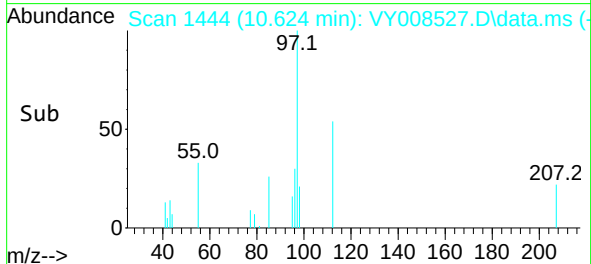
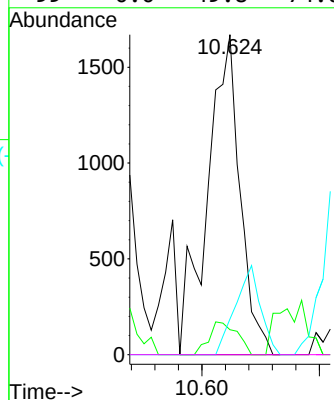
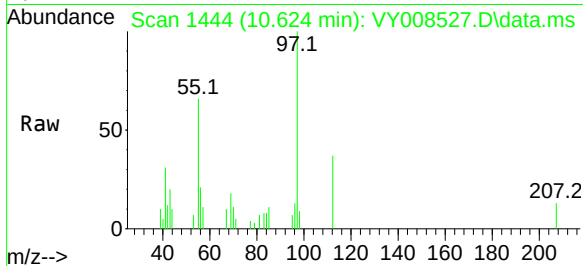




#55
1,1,2-Trichloroethane
Concen: 1.696 ug/l
RT: 10.624 min Scan# 1444
Delta R.T. -0.024 min
Lab File: VY008527.D
Acq: 27 Apr 2022 15:11

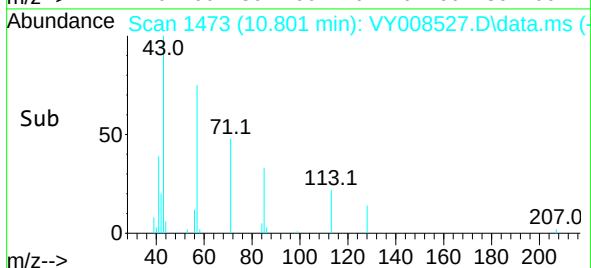
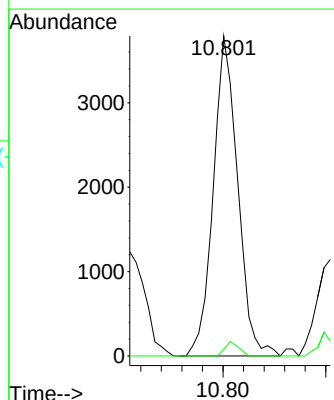
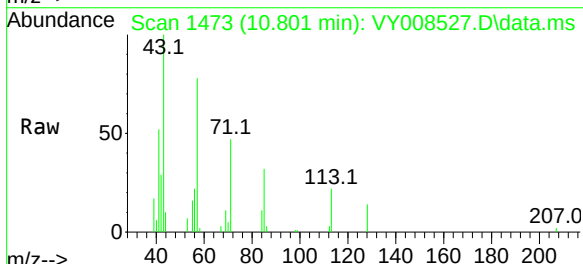
Instrument :
MSVOA_Y
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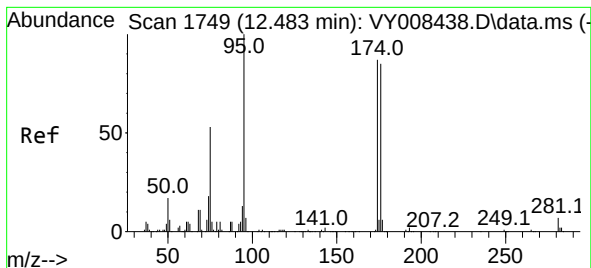
Tgt Ion: 97 Resp: 3236
Ion Ratio Lower Upper
97 100
83 7.8 69.8 104.8#
85 11.1 44.3 66.5#
99 0.0 49.8 74.6#



#59
2-Hexanone
Concen: 5.958 ug/l
RT: 10.801 min Scan# 1473
Delta R.T. -0.030 min
Lab File: VY008527.D
Acq: 27 Apr 2022 15:11

Tgt Ion: 43 Resp: 6247
Ion Ratio Lower Upper
43 100
58 2.5 24.4 73.4#

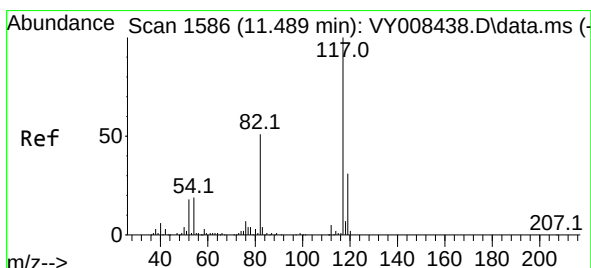
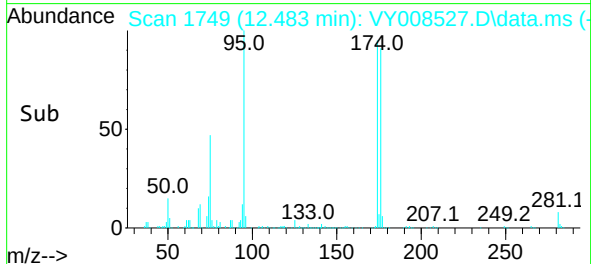
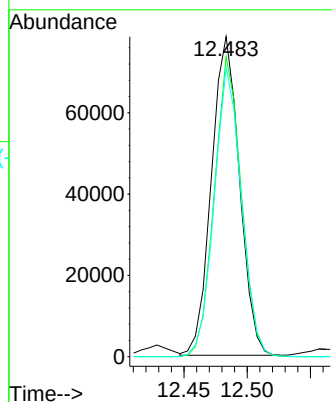
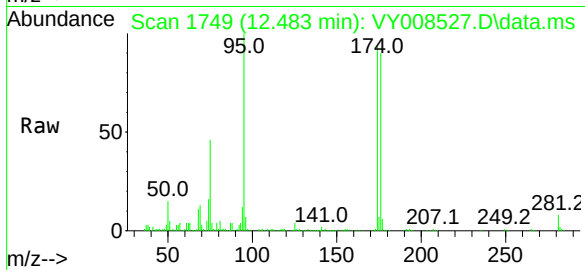




#62
4-Bromofluorobenzene
Concen: 50.014 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008527.D
Acq: 27 Apr 2022 15:11

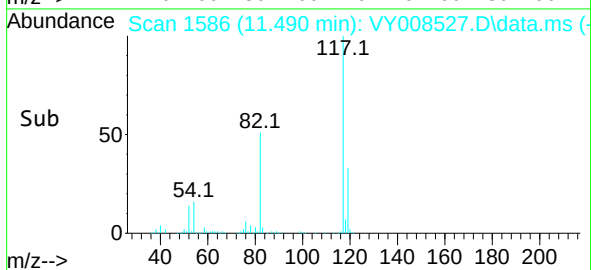
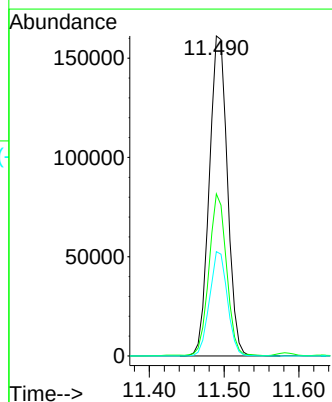
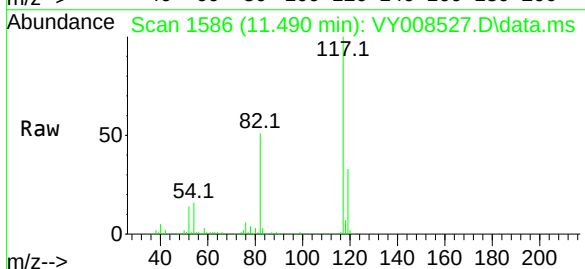
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

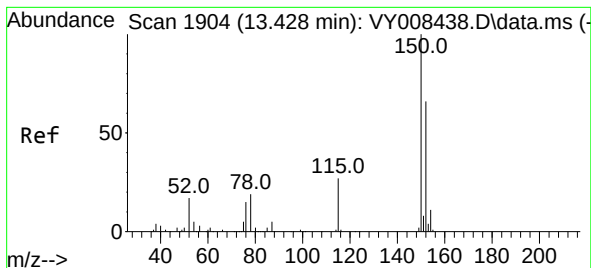
Tgt Ion: 95 Resp: 120552
Ion Ratio Lower Upper
95 100
174 90.8 0.0 177.0
176 87.9 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY008527.D
Acq: 27 Apr 2022 15:11

Tgt Ion: 117 Resp: 271901
Ion Ratio Lower Upper
117 100
82 50.4 43.0 64.4
119 32.6 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY008527.D

Acq: 27 Apr 2022 15:11

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

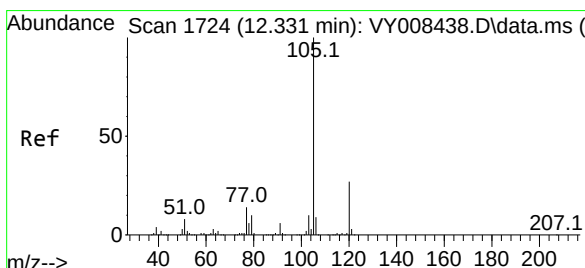
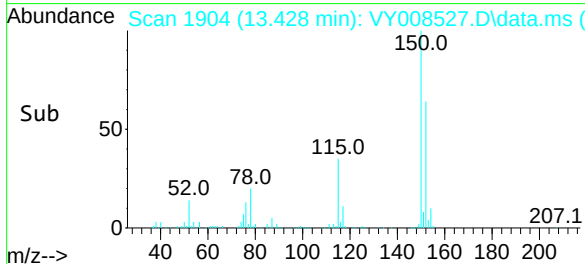
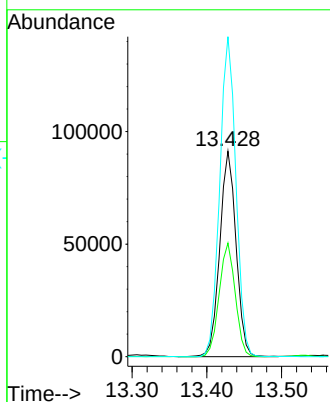
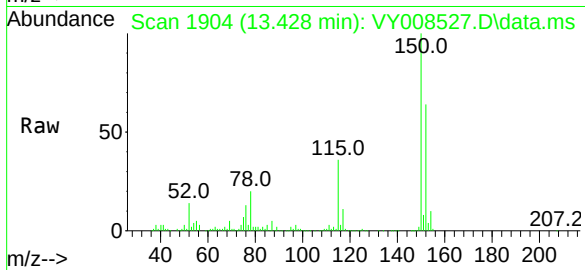
Tgt Ion:152 Resp: 138996

Ion Ratio Lower Upper

152 100

115 54.4 28.2 84.7

150 154.3 0.0 347.6



#73

Isopropylbenzene

Concen: 1.224 ug/l

RT: 12.331 min Scan# 1724

Delta R.T. -0.000 min

Lab File: VY008527.D

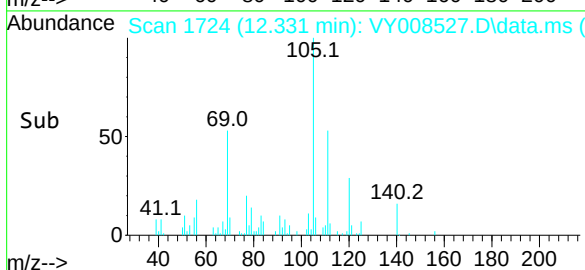
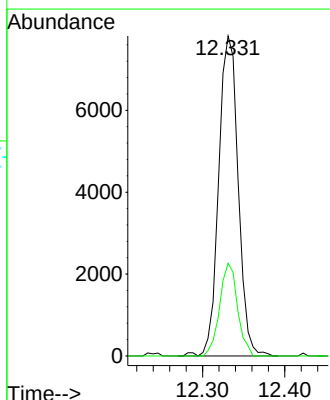
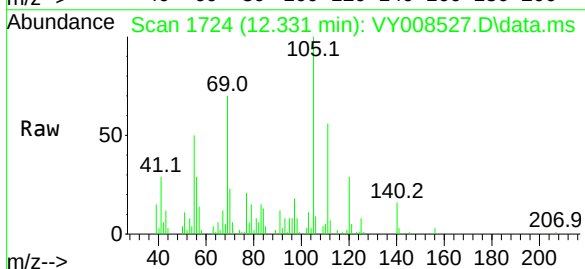
Acq: 27 Apr 2022 15:11

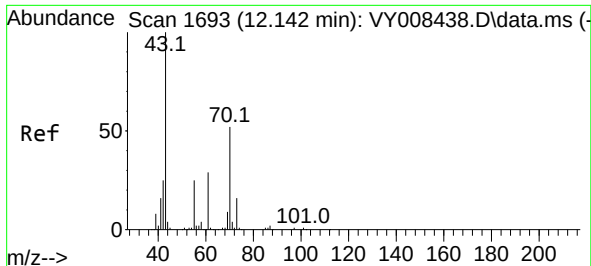
Tgt Ion:105 Resp: 12896

Ion Ratio Lower Upper

105 100

120 26.5 13.4 40.2

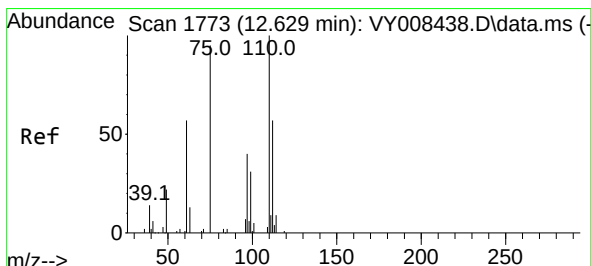
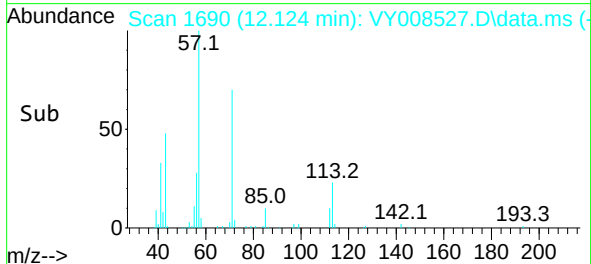
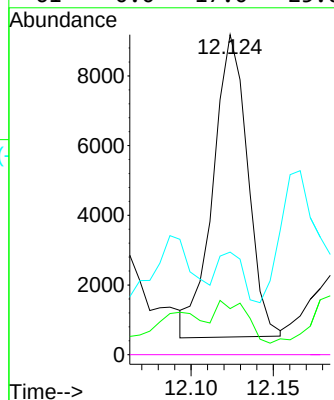
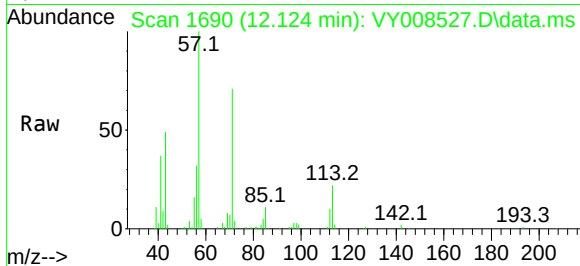




#74
N-amy1 acetate
Concen: 4.866 ug/l
RT: 12.124 min Scan# 1
Delta R.T. -0.018 min
Lab File: VY008527.D
Acq: 27 Apr 2022 15:11

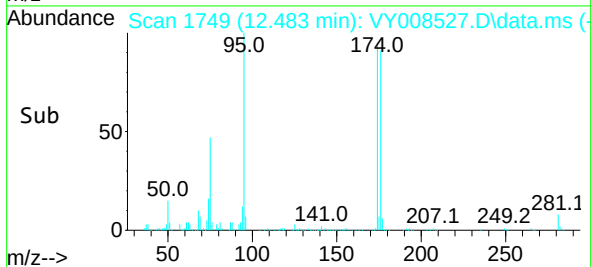
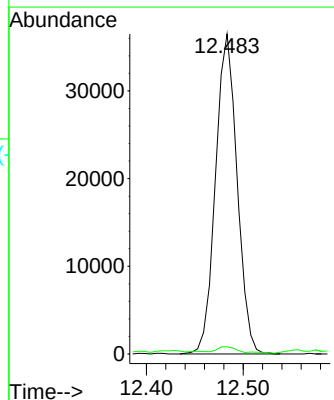
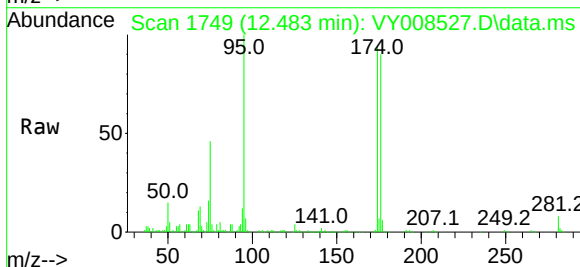
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

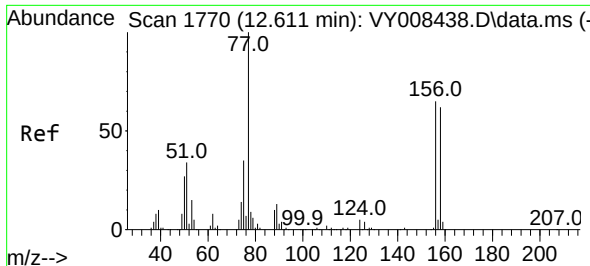
Tgt Ion: 43 Resp: 12671
Ion Ratio Lower Upper
43 100
70 12.1 28.7 43.1#
55 23.4 17.3 25.9
61 0.0 17.0 25.6#



#76
1,2,3-Trichloropropane
Concen: 31.435 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY008527.D
Acq: 27 Apr 2022 15:11

Tgt Ion: 75 Resp: 56547
Ion Ratio Lower Upper
75 100
77 2.0 0.0 0.0#

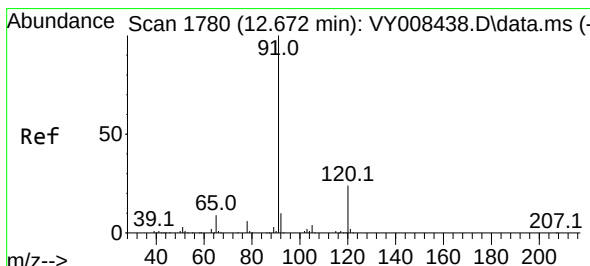
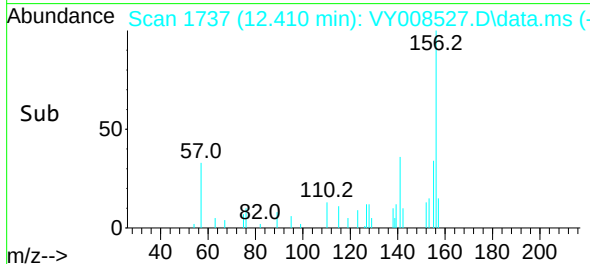
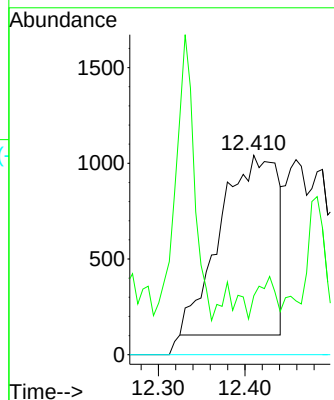
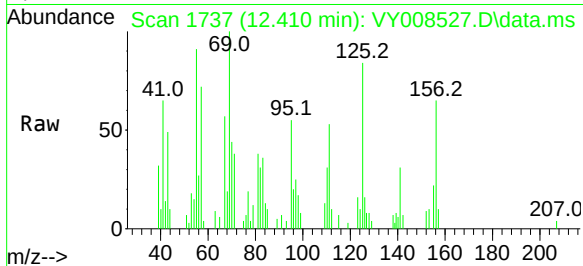




#77
Bromobenzene
Concen: 1.674 ug/l
RT: 12.410 min Scan# 1770
Delta R.T. -0.201 min
Lab File: VY008527.D
Acq: 27 Apr 2022 15:11

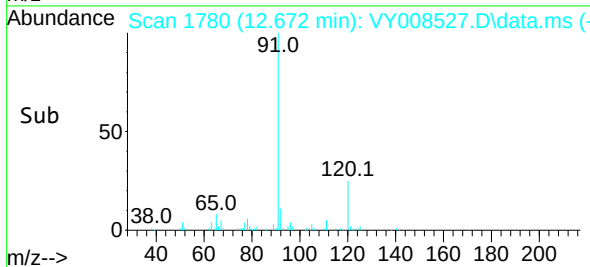
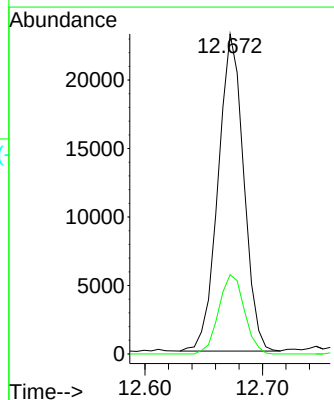
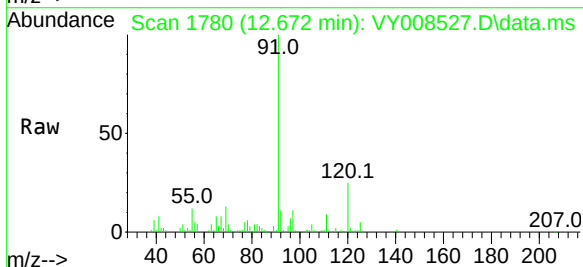
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

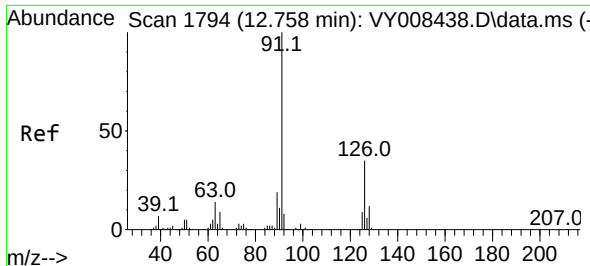
Tgt Ion:156 Resp: 4302
Ion Ratio Lower Upper
156 100
77 7.3 95.5 286.4#
158 0.0 48.0 144.0#



#78
n-propylbenzene
Concen: 2.778 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY008527.D
Acq: 27 Apr 2022 15:11

Tgt Ion: 91 Resp: 35118
Ion Ratio Lower Upper
91 100
120 25.0 11.3 33.9

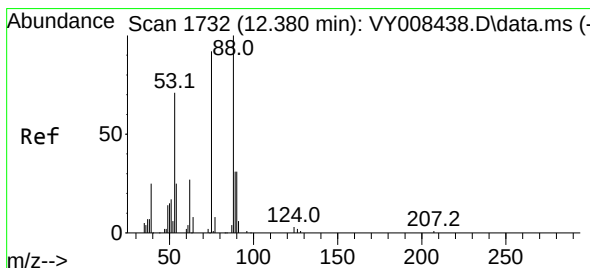
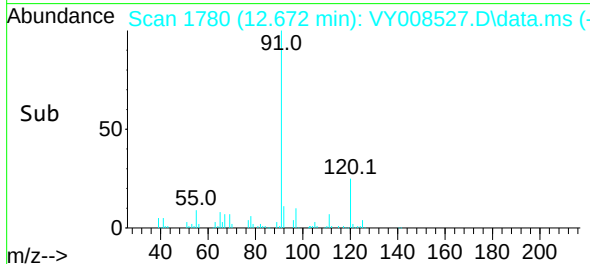
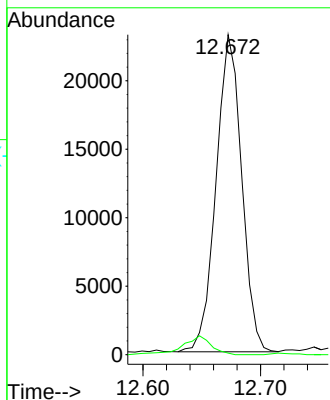
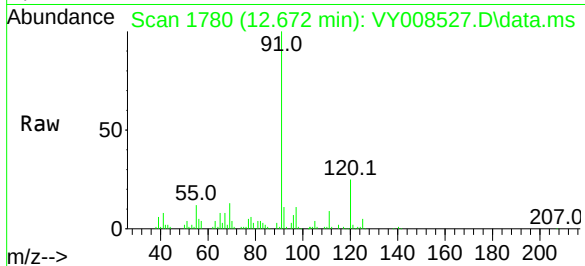




#79
2-Chlorotoluene
Concen: 4.936 ug/l
RT: 12.672 min Scan# 1794
Delta R.T. -0.086 min
Lab File: VY008527.D
Acq: 27 Apr 2022 15:11

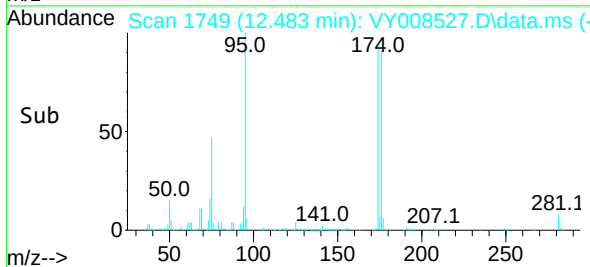
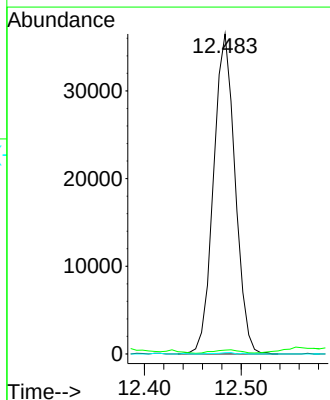
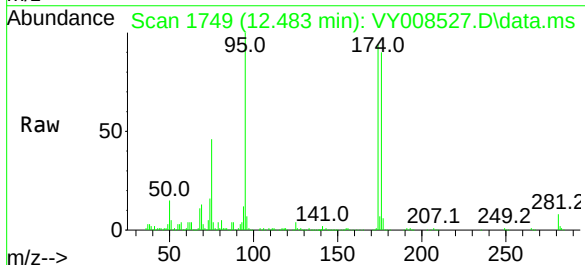
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

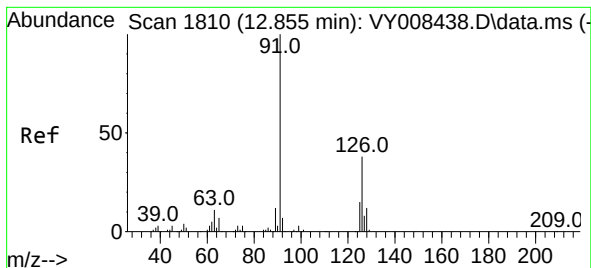
Tgt Ion: 91 Resp: 35118
Ion Ratio Lower Upper
91 100
126 0.0 16.9 50.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.926 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY008527.D
Acq: 27 Apr 2022 15:11

Tgt Ion: 75 Resp: 56547
Ion Ratio Lower Upper
75 100
53 1.4 85.3 127.9#
89 0.4 37.0 55.4#





#82

4-Chlorotoluene

Concen: 4.763 ug/l

RT: 12.672 min Scan# 1

Delta R.T. -0.183 min

Lab File: VY008527.D

Acq: 27 Apr 2022 15:11

Instrument :

MSVOA_Y

ClientSampleId :

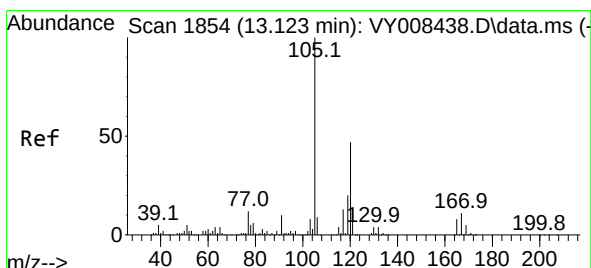
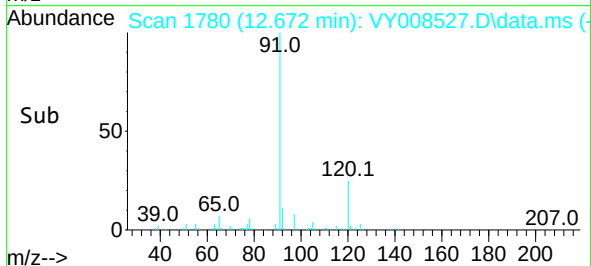
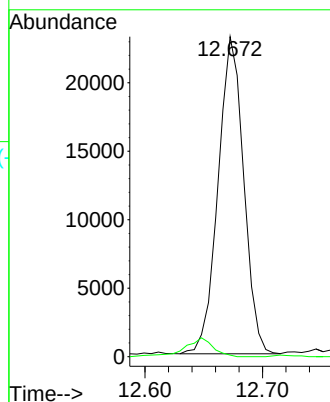
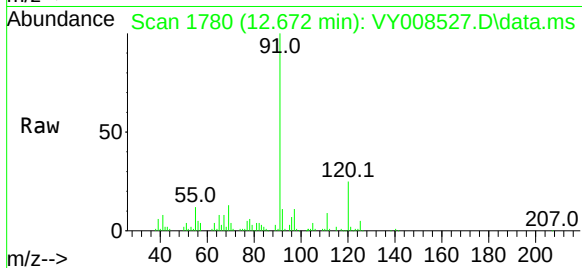
VIBLK

Tgt Ion: 91 Resp: 35118

Ion Ratio Lower Upper

91 100

126 0.0 17.0 51.0#



#84

1,2,4-Trimethylbenzene

Concen: 4.595 ug/l

RT: 13.258 min Scan# 1876

Delta R.T. 0.135 min

Lab File: VY008527.D

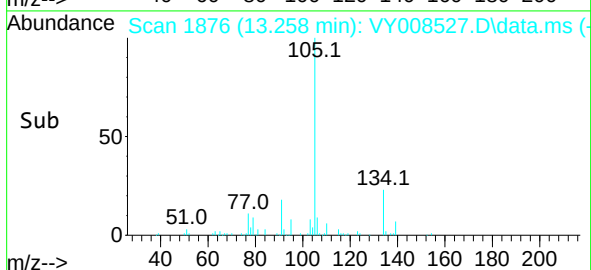
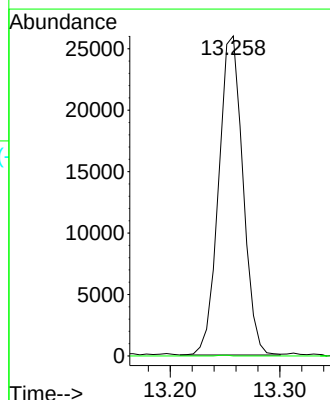
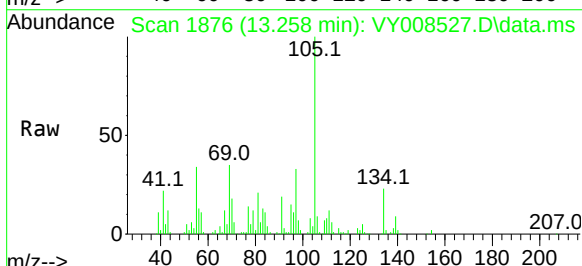
Acq: 27 Apr 2022 15:11

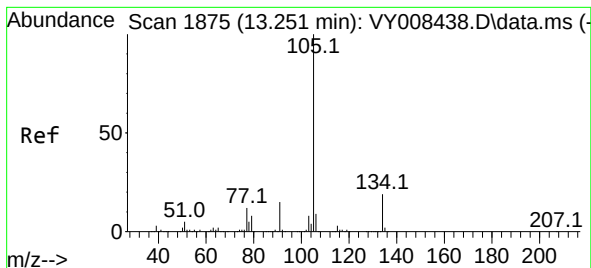
Tgt Ion: 105 Resp: 39886

Ion Ratio Lower Upper

105 100

120 0.1 22.3 66.9#





#85

sec-Butylbenzene

Concen: 3.480 ug/l

RT: 13.258 min Scan# 1875

Delta R.T. 0.007 min

Lab File: VY008527.D

Acq: 27 Apr 2022 15:11

Instrument :

MSVOA_Y

ClientSampleId :

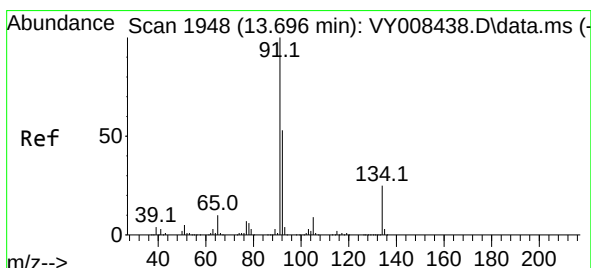
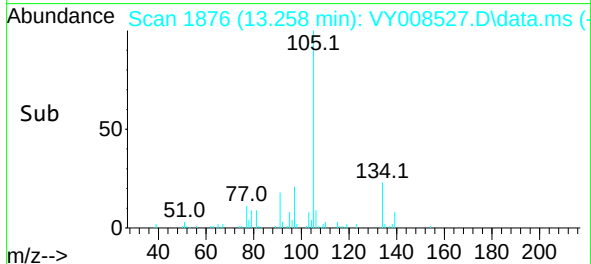
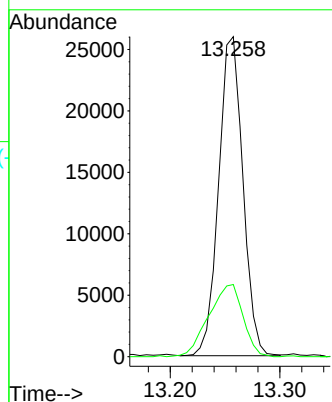
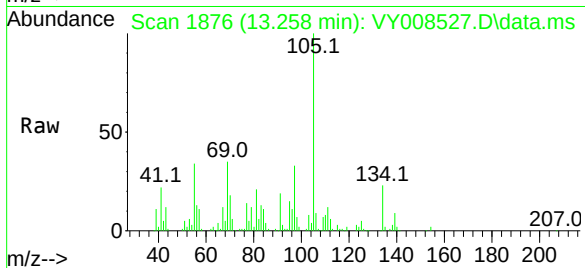
VIBLK

Tgt Ion:105 Resp: 39886

Ion Ratio Lower Upper

105 100

134 32.0 10.2 30.4#



#89

n-Butylbenzene

Concen: 2.020 ug/l

RT: 13.697 min Scan# 1948

Delta R.T. 0.001 min

Lab File: VY008527.D

Acq: 27 Apr 2022 15:11

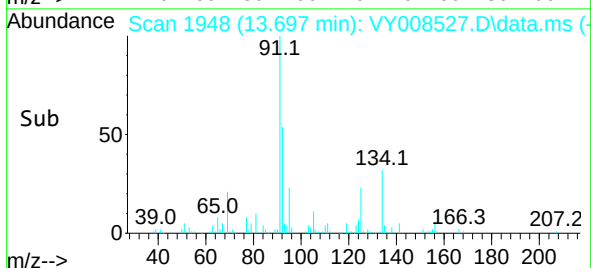
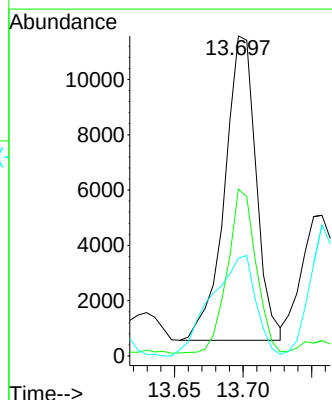
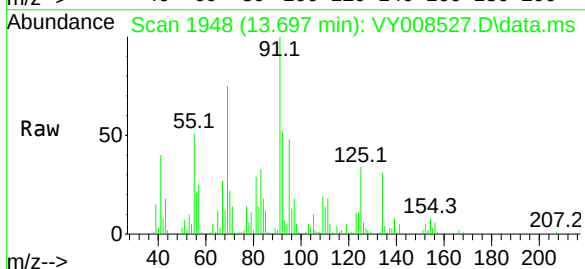
Tgt Ion: 91 Resp: 17598

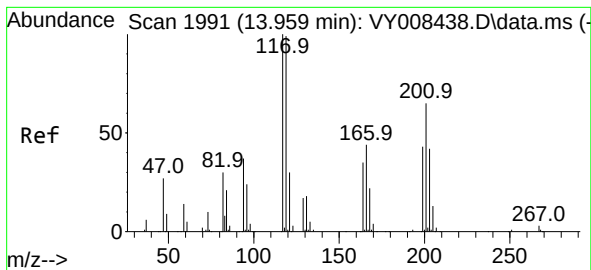
Ion Ratio Lower Upper

91 100

92 49.8 26.3 78.9

134 46.3 13.0 38.9#





#90
 Hexachloroethane
 Concen: 6.439 ug/l
 RT: 13.977 min Scan# 1994
 Delta R.T. 0.018 min
 Lab File: VY008527.D
 Acq: 27 Apr 2022 15:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Tgt Ion:117 Resp: 11111
 Ion Ratio Lower Upper
 117 100
 201 0.0 43.0 128.8#

