

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072222\
 Data File : VY009663.D
 Acq On : 22 Jul 2022 16:36
 Operator : KP/MD
 Sample : VIBLK
 Misc : 5.98g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Jul 23 00:54:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 19 04:22:09 2022
 Response via : Initial Calibration

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

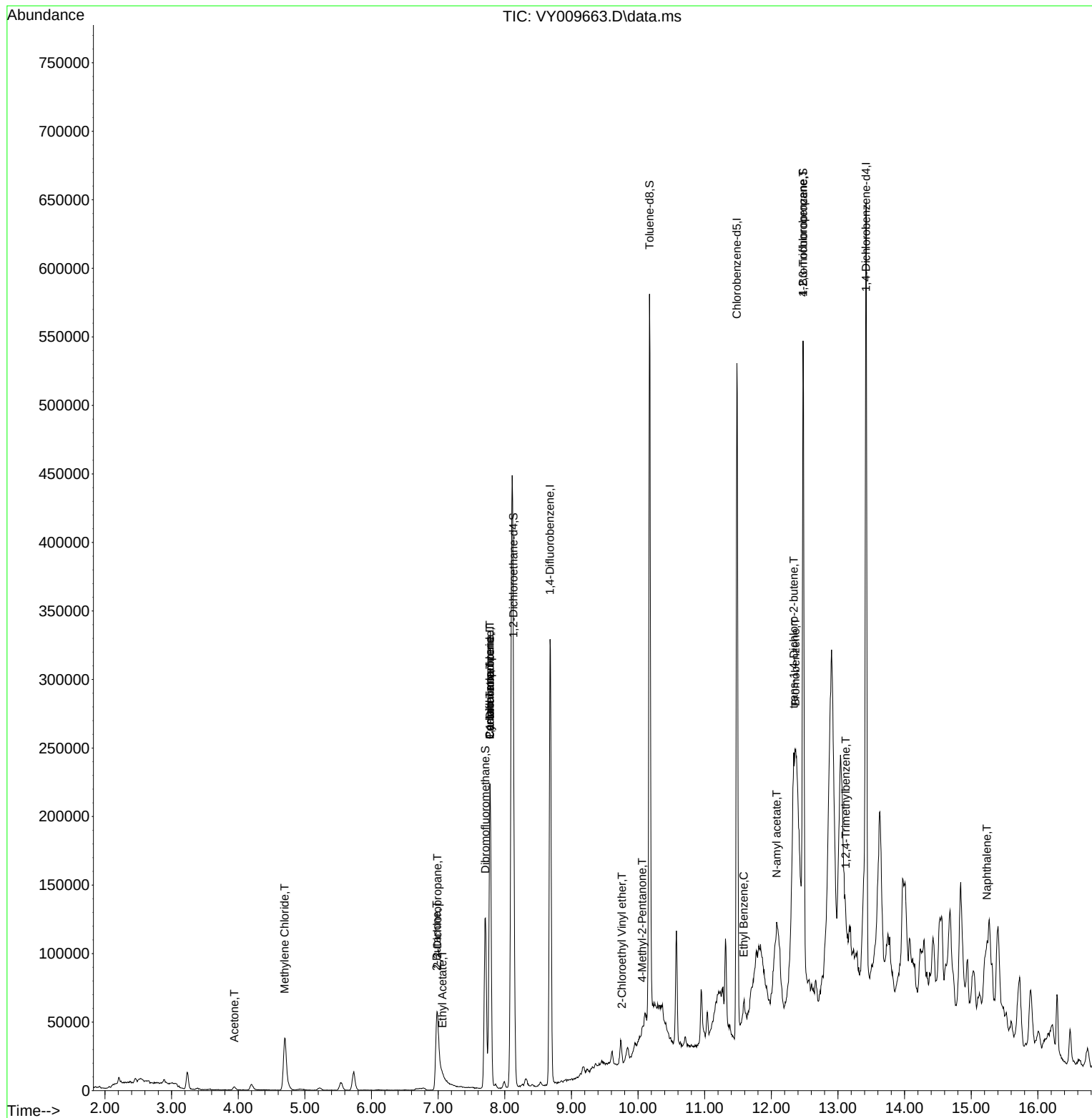
Internal Standards						
1) Pentafluorobenzene	7.777	168	187633	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.679	114	292933	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	283568	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	145231	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	95377	53.747	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	107.500%
35) Dibromofluoromethane	7.710	113	89618	48.561	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.120%
50) Toluene-d8	10.173	98	346515	48.843	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	=	97.680%
62) 4-Bromofluorobenzene	12.477	95	123211	53.597	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	=	107.200%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	1720	Below Cal	#	77
16) Acetone	3.942	43	4146	9.236	ug/l #	89
20) Methylene Chloride	4.698	84	29814	4.158	ug/l #	82
25) 2-Butanone	6.978	43	3568	5.449	ug/l #	79
26) 2,2-Dichloropropane	6.990	77	5780	1.960	ug/l #	55
31) Cyclohexane	7.777	56	4337	1.386	ug/l #	1
36) 1,1-Dichloropropene	7.777	75	12945	4.747	ug/l #	52
37) Ethyl Acetate	7.063	43	2007	1.322	ug/l #	82
38) Carbon Tetrachloride	7.777	117	16914	5.925	ug/l #	15
51) 4-Methyl-2-Pentanone	10.063	43	3076	2.130	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.758	63	148	28.399	ug/l #	48
67) Ethyl Benzene	11.587	91	10371	1.018	ug/l	93
74) N-amyl acetate	12.081	43	5081	1.900	ug/l #	1
76) 1,2,3-Trichloropropane	12.477	75	62776	45.375	ug/l #	100
77) Bromobenzene	12.361	156	309528	122.412	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.337	75	3092	4.407	ug/l #	20
84) 1,2,4-Trimethylbenzene	13.117	105	12567	1.512	ug/l	97
95) Naphthalene	15.233	128	29761	5.684	ug/l #	88

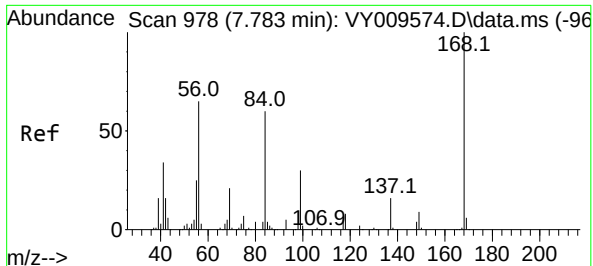
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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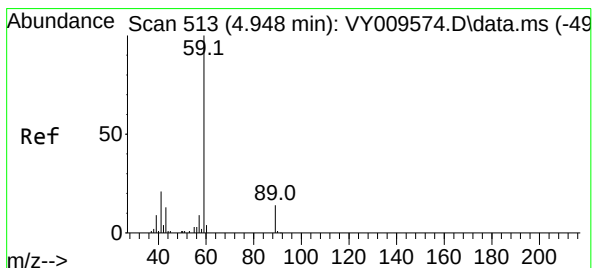
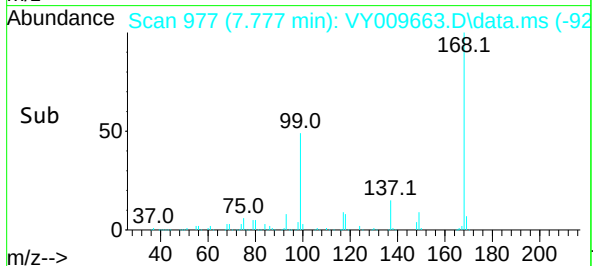
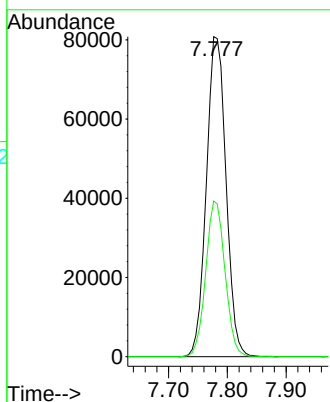
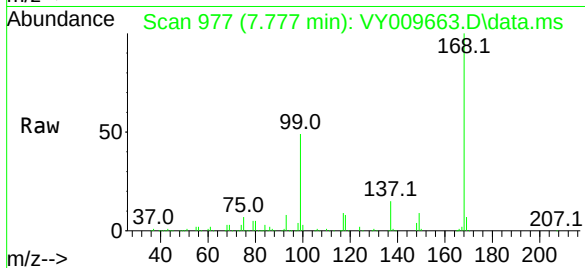




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY009663.D
Acq: 22 Jul 2022 16:36

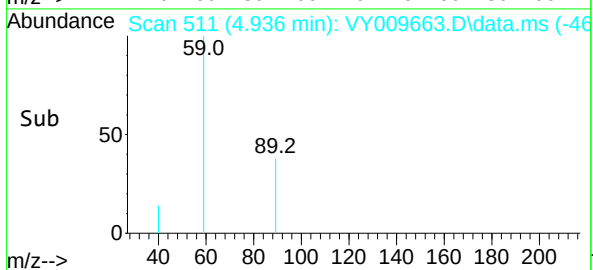
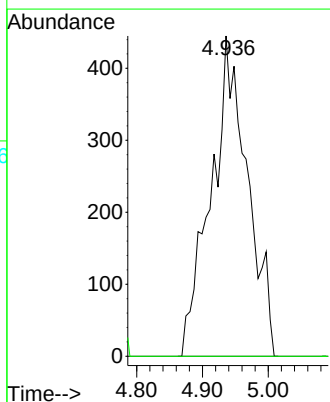
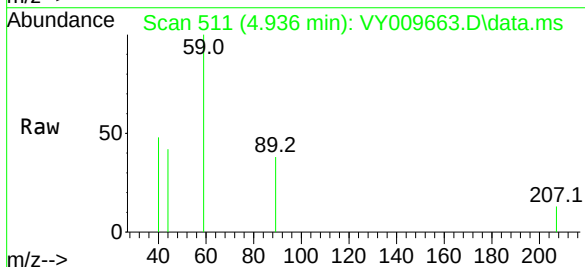
Instrument :
MSVOA_Y
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VIBLK

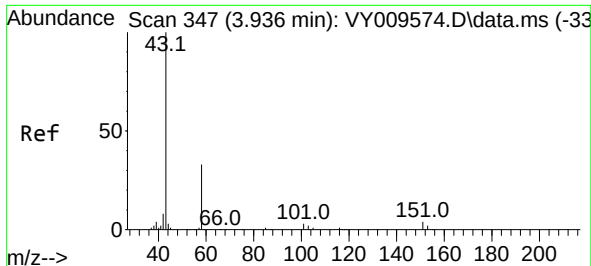
Tgt Ion:168 Resp: 187633
Ion Ratio Lower Upper
168 100
99 48.7 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY009663.D
Acq: 22 Jul 2022 16:36

Tgt Ion: 59 Resp: 1720
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#





#16

Acetone

Concen: 9.236 ug/l

RT: 3.942 min Scan# 347

Delta R.T. 0.006 min

Lab File: VY009663.D

Acq: 22 Jul 2022 16:36

Instrument :

MSVOA_Y

ClientSampleId :

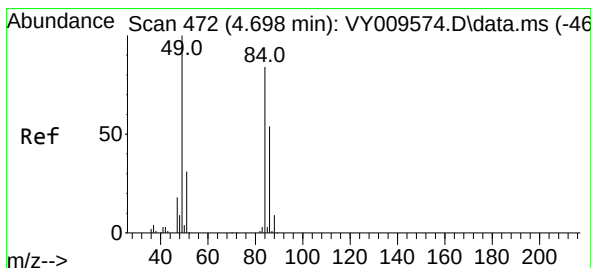
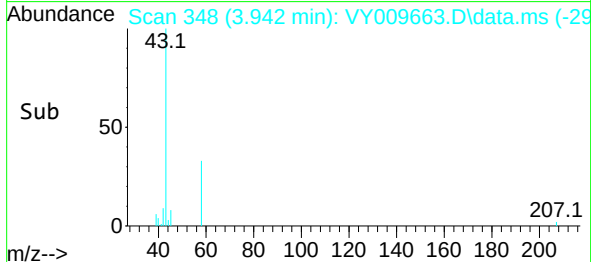
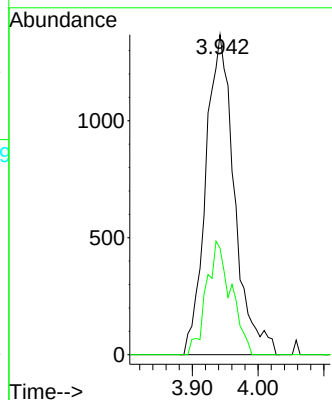
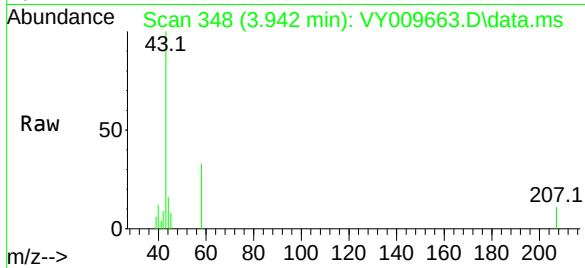
VIBLK

Tgt Ion: 43 Resp: 4146

Ion Ratio Lower Upper

43 100

58 33.3 22.0 33.0#



#20

Methylene Chloride

Concen: 4.158 ug/l

RT: 4.698 min Scan# 472

Delta R.T. 0.000 min

Lab File: VY009663.D

Acq: 22 Jul 2022 16:36

Tgt Ion: 84 Resp: 29814

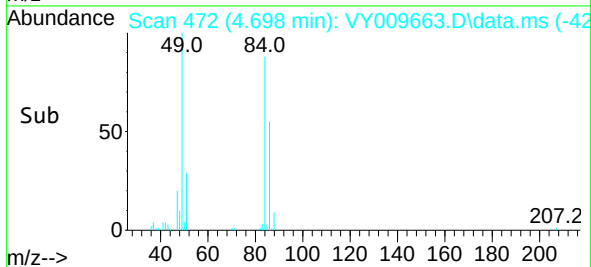
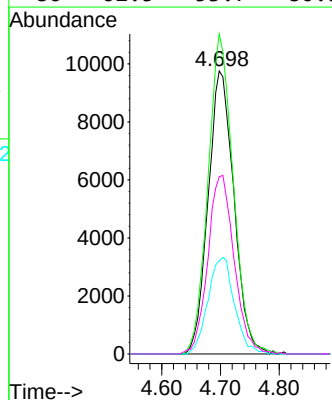
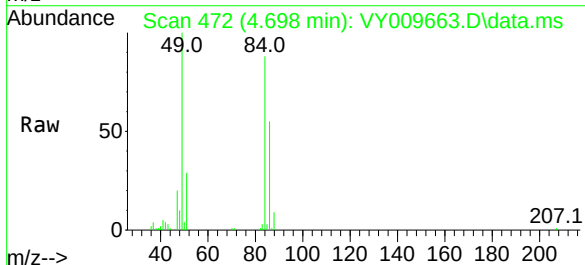
Ion Ratio Lower Upper

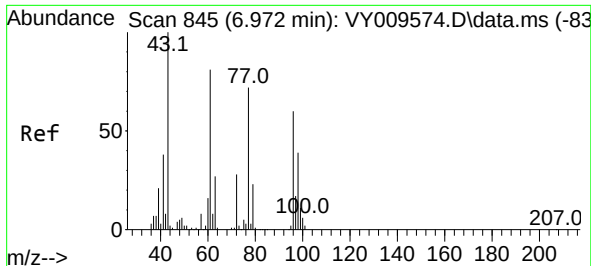
84 100

49 113.0 114.4 171.6#

51 32.9 35.3 52.9#

86 62.5 53.7 80.5

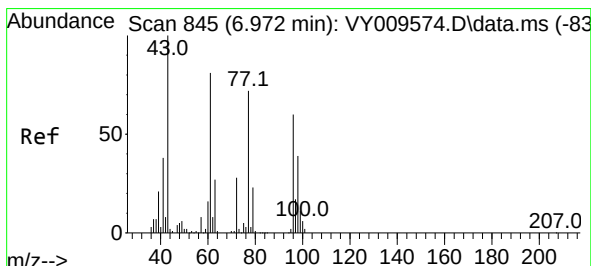
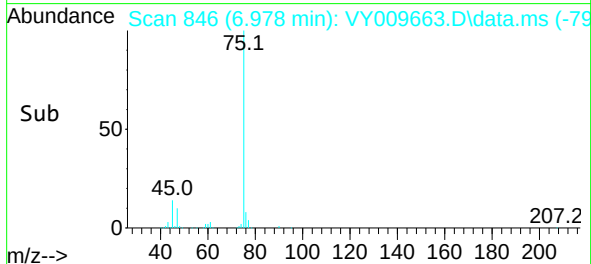
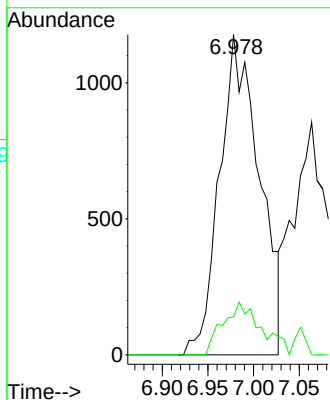
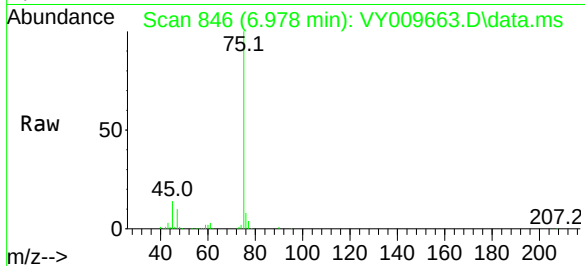




#25
2-Butanone
Concen: 5.449 ug/l
RT: 6.978 min Scan# 845
Delta R.T. 0.006 min
Lab File: VY009663.D
Acq: 22 Jul 2022 16:36

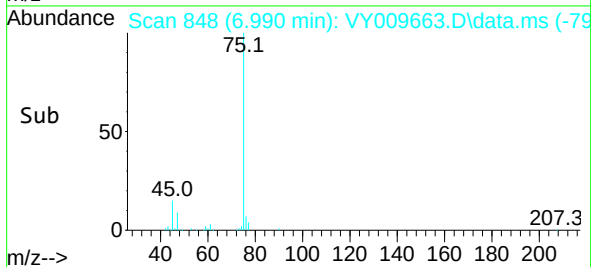
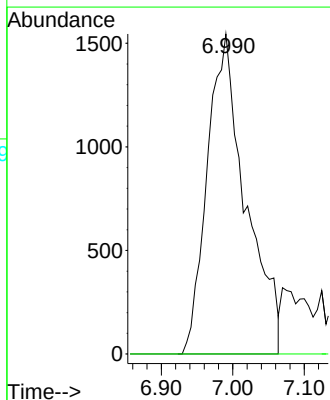
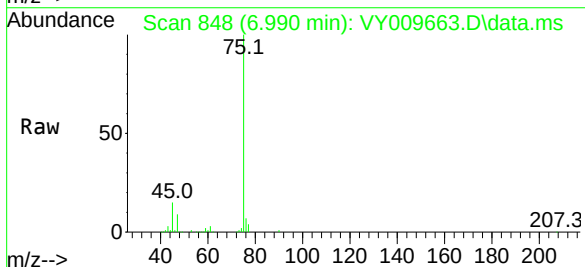
Instrument :
MSVOA_Y
ClientSampleId :
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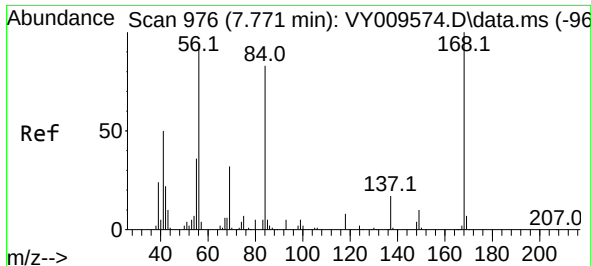
Tgt Ion: 43 Resp: 3568
Ion Ratio Lower Upper
43 100
72 11.9 17.7 26.5#



#26
2,2-Dichloropropane
Concen: 1.960 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.018 min
Lab File: VY009663.D
Acq: 22 Jul 2022 16:36

Tgt Ion: 77 Resp: 5780
Ion Ratio Lower Upper
77 100
97 0.0 10.4 31.4#

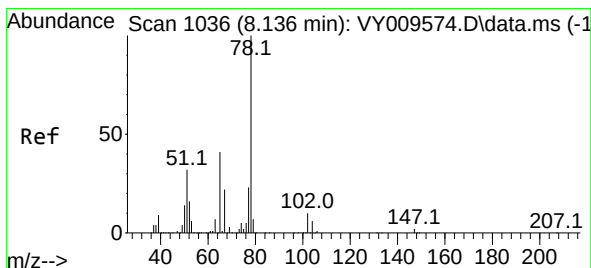
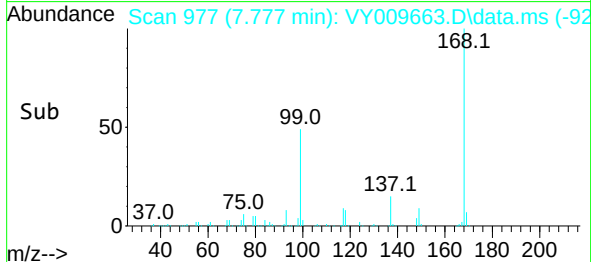
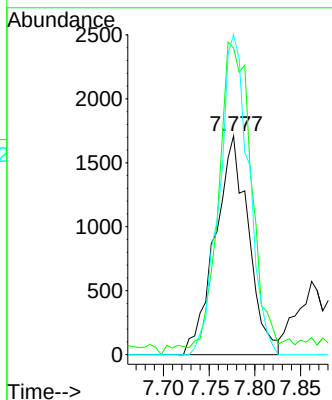
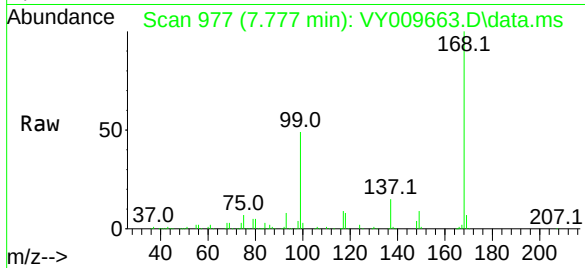




#31
Cyclohexane
Concen: 1.386 ug/l
RT: 7.777 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY009663.D
Acq: 22 Jul 2022 16:36

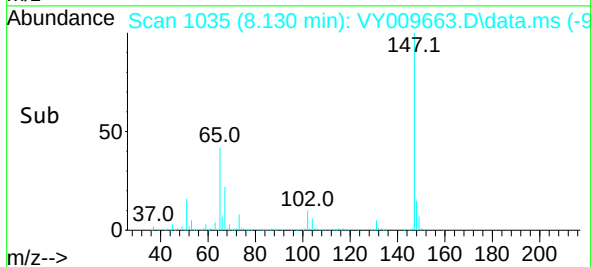
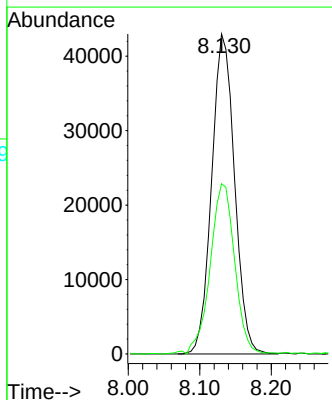
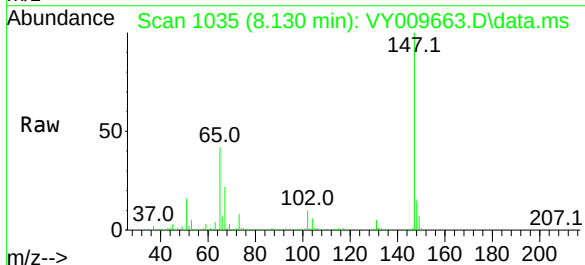
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

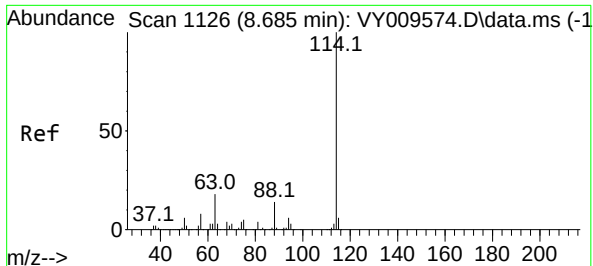
Tgt Ion: 56 Resp: 4337
Ion Ratio Lower Upper
56 100
69 136.0 26.7 40.1#
84 146.3 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 53.747 ug/l
RT: 8.130 min Scan# 1035
Delta R.T. -0.006 min
Lab File: VY009663.D
Acq: 22 Jul 2022 16:36

Tgt Ion: 65 Resp: 95377
Ion Ratio Lower Upper
65 100
67 57.2 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.679 min Scan# 1125

Delta R.T. -0.006 min

Lab File: VY009663.D

Acq: 22 Jul 2022 16:36

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

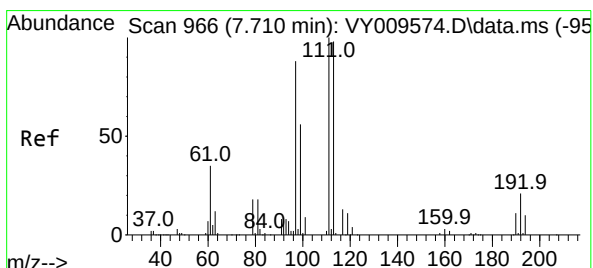
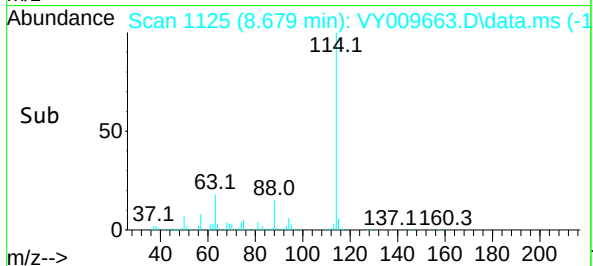
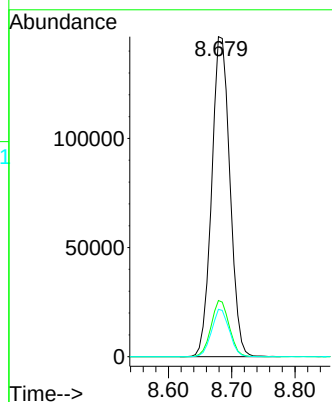
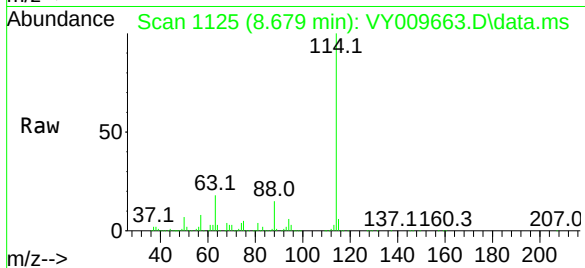
Tgt Ion:114 Resp: 292933

Ion Ratio Lower Upper

114 100

63 17.6 0.0 43.2

88 14.8 0.0 31.8



#35

Dibromofluoromethane

Concen: 48.561 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY009663.D

Acq: 22 Jul 2022 16:36

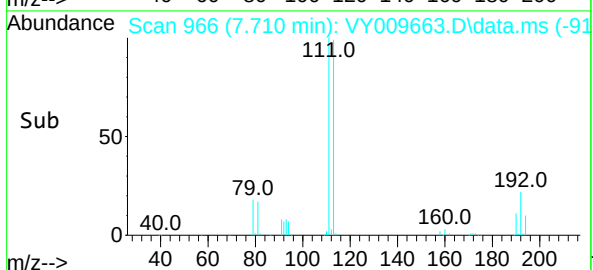
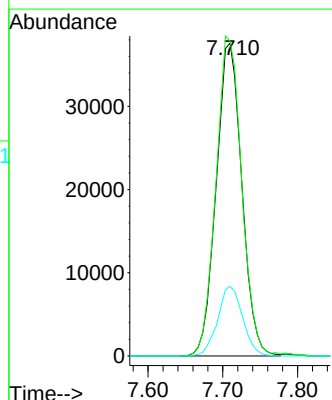
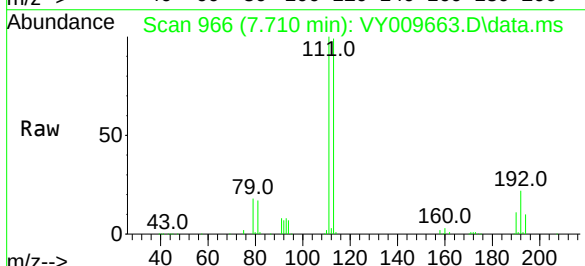
Tgt Ion:113 Resp: 89618

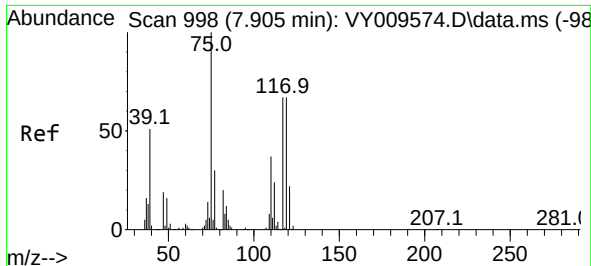
Ion Ratio Lower Upper

113 100

111 103.1 82.6 124.0

192 21.7 17.6 26.4

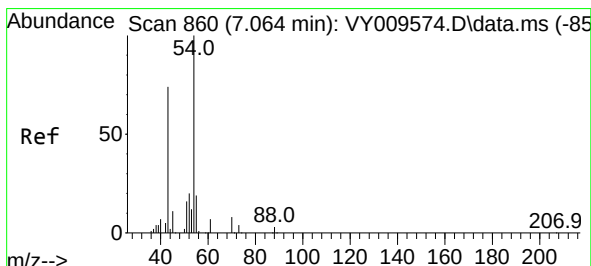
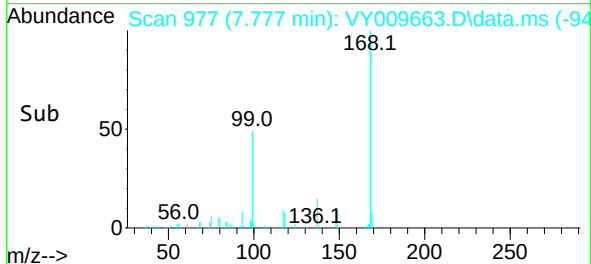
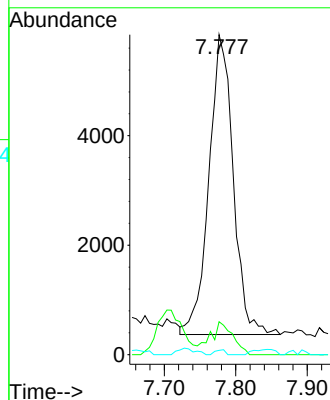
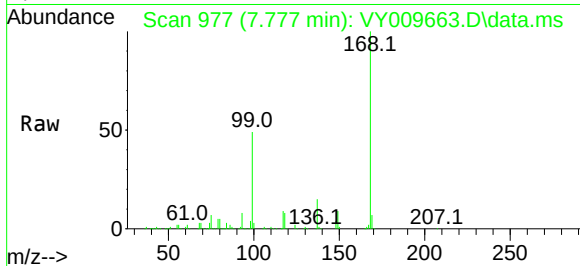




#36
1,1-Dichloropropene
Concen: 4.747 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY009663.D
Acq: 22 Jul 2022 16:36

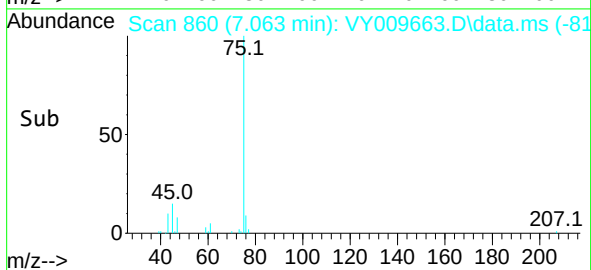
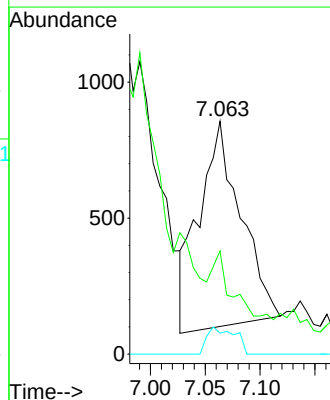
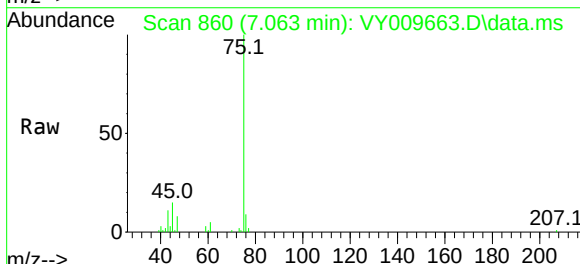
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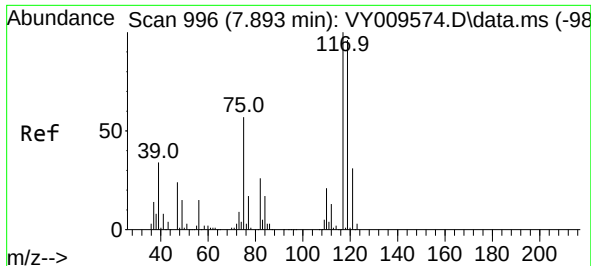
Tgt Ion: 75 Resp: 12945
Ion Ratio Lower Upper
75 100
110 10.1 17.1 51.2#
77 0.7 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.322 ug/l
RT: 7.063 min Scan# 860
Delta R.T. -0.000 min
Lab File: VY009663.D
Acq: 22 Jul 2022 16:36

Tgt Ion: 43 Resp: 2007
Ion Ratio Lower Upper
43 100
61 0.0 9.7 14.5#
70 8.6 7.1 10.7

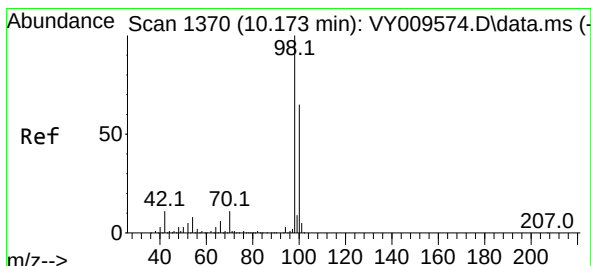
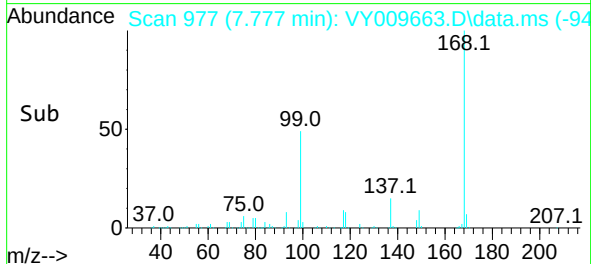
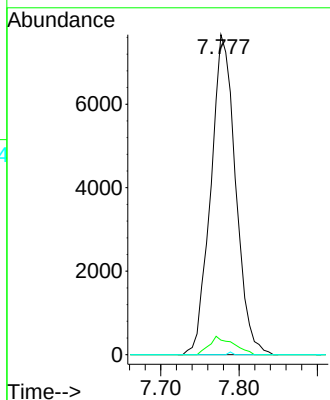
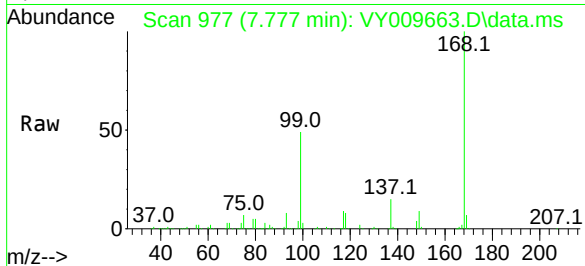




#38
Carbon Tetrachloride
Concen: 5.925 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY009663.D
Acq: 22 Jul 2022 16:36

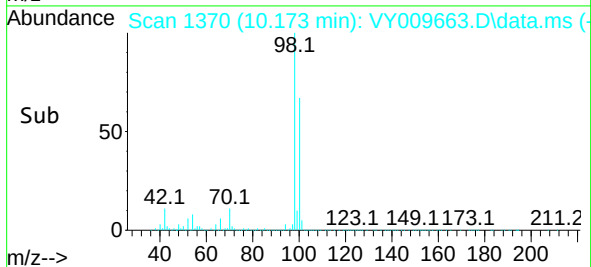
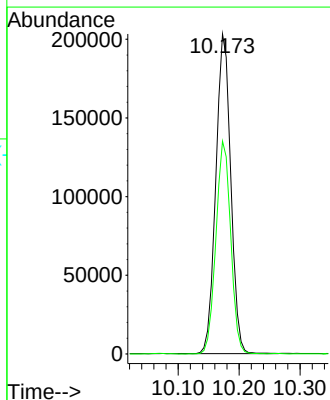
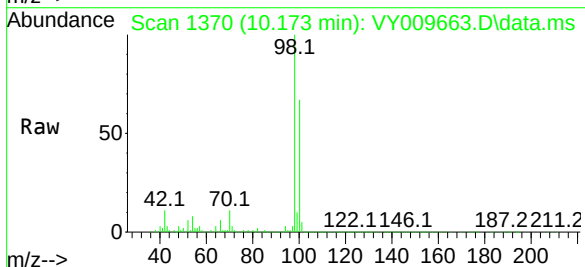
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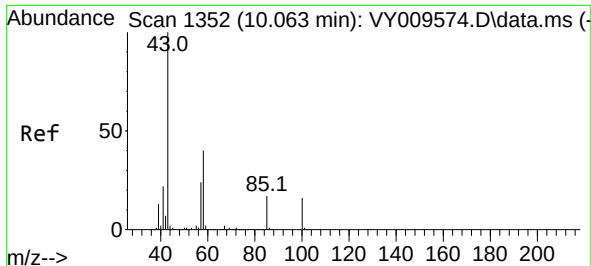
Tgt Ion:117 Resp: 16914
Ion Ratio Lower Upper
117 100
119 4.5 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 48.843 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.000 min
Lab File: VY009663.D
Acq: 22 Jul 2022 16:36

Tgt Ion: 98 Resp: 346515
Ion Ratio Lower Upper
98 100
100 66.0 50.2 75.2





#51

4-Methyl-2-Pentanone

Concen: 2.130 ug/l

RT: 10.063 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY009663.D

Acq: 22 Jul 2022 16:36

Instrument :

MSVOA_Y

ClientSampleId :

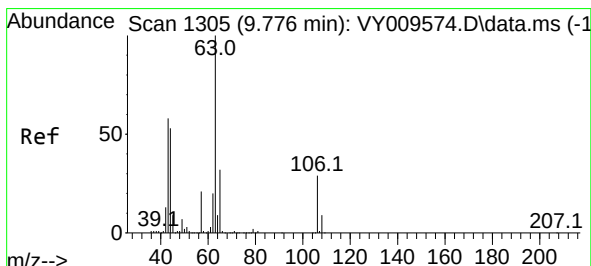
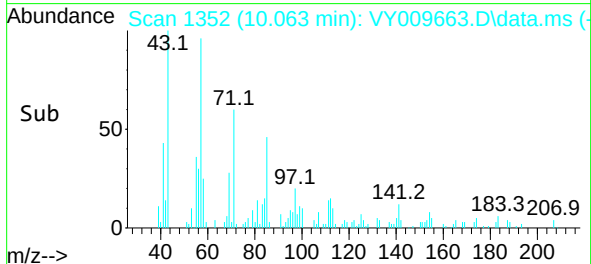
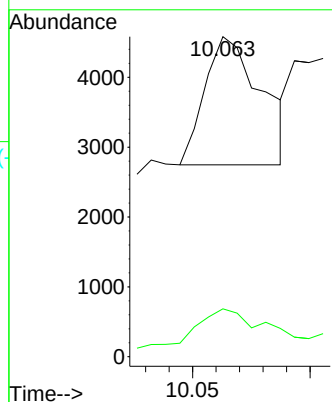
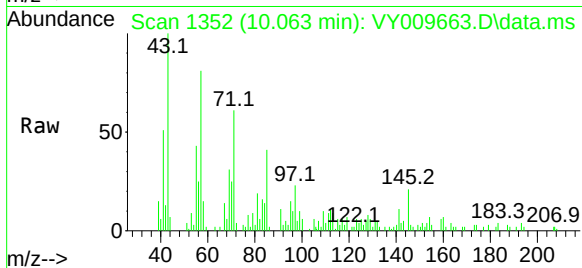
VIBLK

Tgt Ion: 43 Resp: 3076

Ion Ratio Lower Upper

43 100

58 38.7 28.1 42.1



#58

2-Chloroethyl Vinyl ether

Concen: 28.399 ug/l

RT: 9.758 min Scan# 1302

Delta R.T. -0.018 min

Lab File: VY009663.D

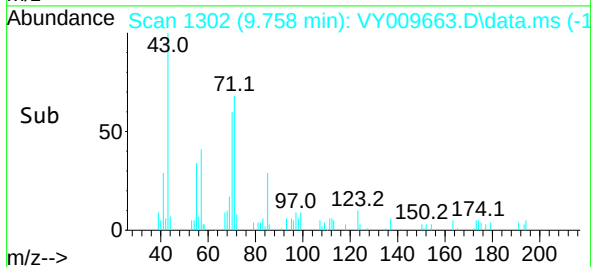
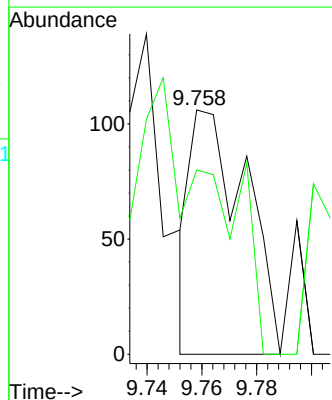
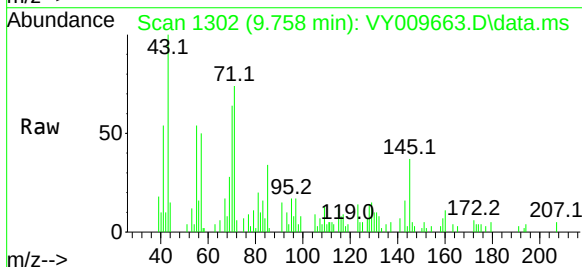
Acq: 22 Jul 2022 16:36

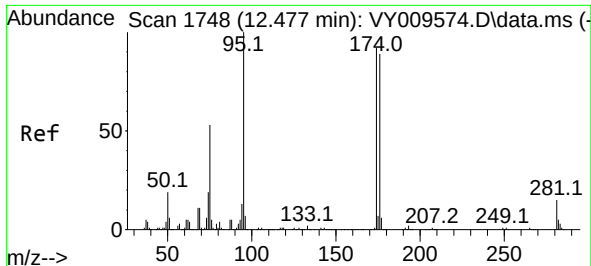
Tgt Ion: 63 Resp: 148

Ion Ratio Lower Upper

63 100

106 0.0 21.5 32.3#

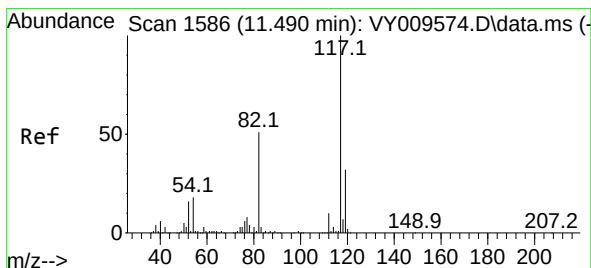
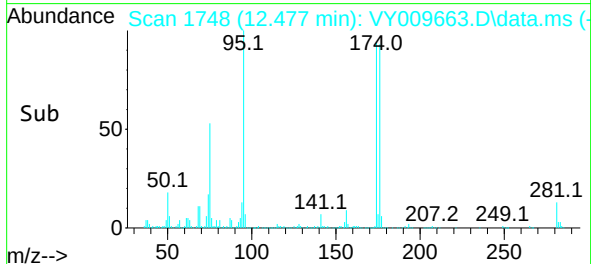
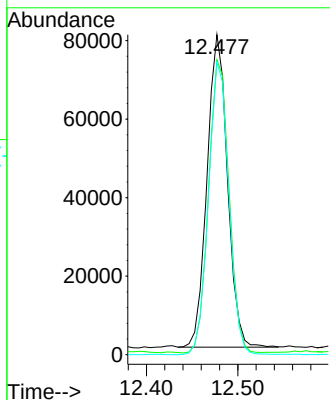
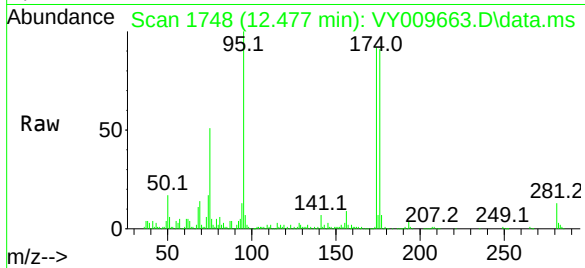




#62
4-Bromofluorobenzene
Concen: 53.597 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009663.D
Acq: 22 Jul 2022 16:36

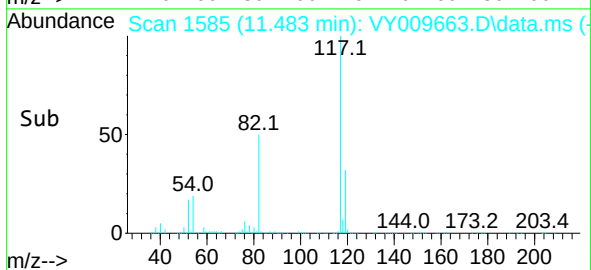
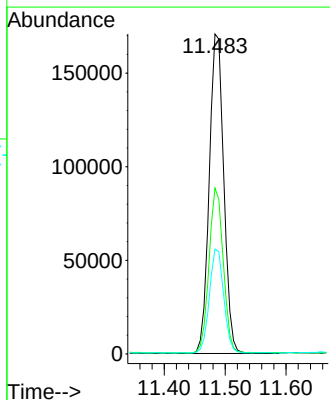
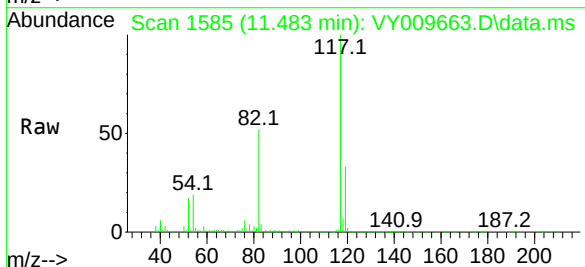
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

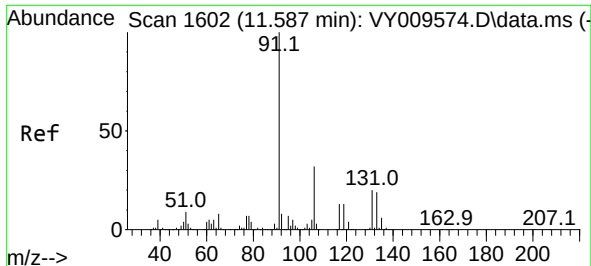
Tgt Ion: 95 Resp: 123211
Ion Ratio Lower Upper
95 100
174 93.9 0.0 177.0
176 93.3 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 1585
Delta R.T. -0.006 min
Lab File: VY009663.D
Acq: 22 Jul 2022 16:36

Tgt Ion: 117 Resp: 283568
Ion Ratio Lower Upper
117 100
82 51.6 43.0 64.4
119 32.5 25.4 38.0

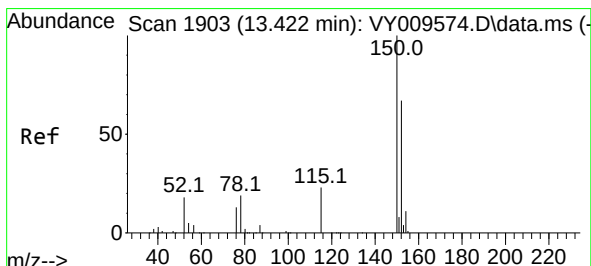
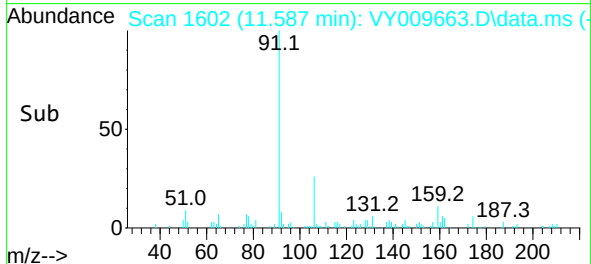
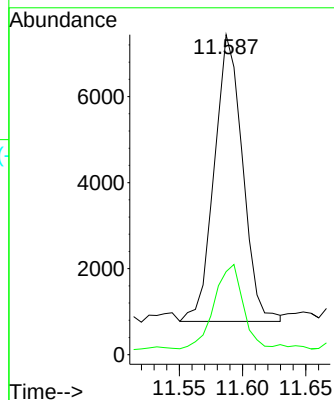
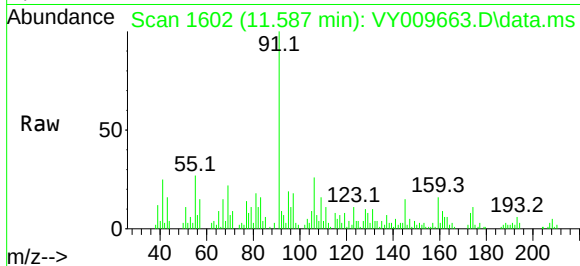




#67
Ethyl Benzene
Concen: 1.018 ug/l
RT: 11.587 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY009663.D
Acq: 22 Jul 2022 16:36

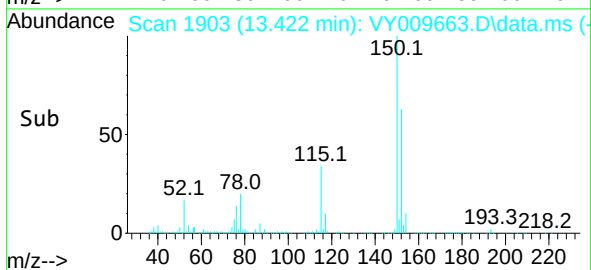
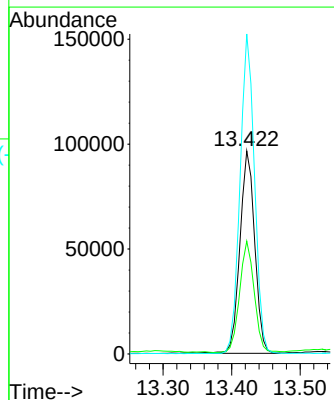
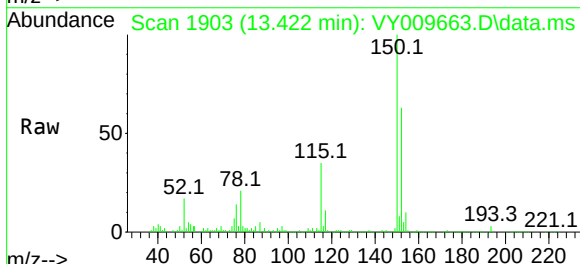
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

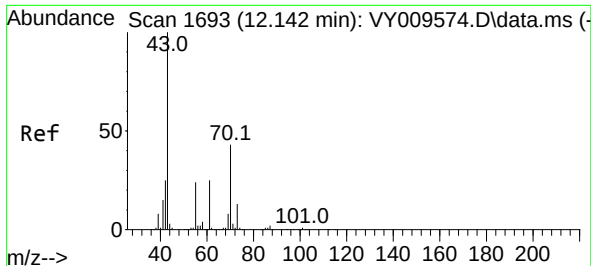
Tgt Ion: 91 Resp: 10371
Ion Ratio Lower Upper
91 100
106 26.9 24.5 36.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY009663.D
Acq: 22 Jul 2022 16:36

Tgt Ion:152 Resp: 145231
Ion Ratio Lower Upper
152 100
115 54.2 28.2 84.7
150 154.0 0.0 347.6

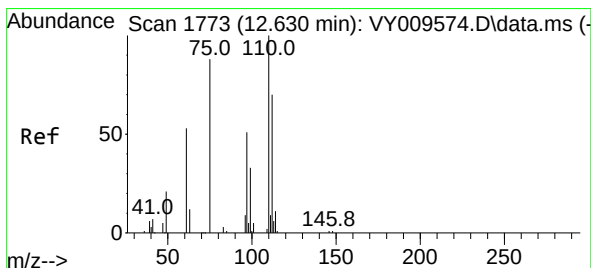
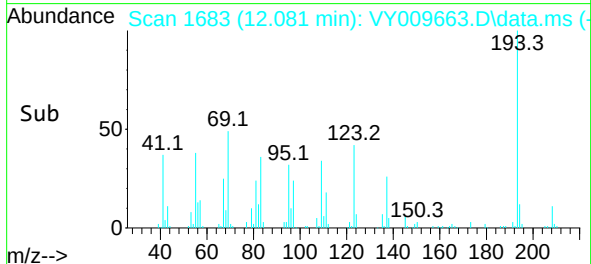
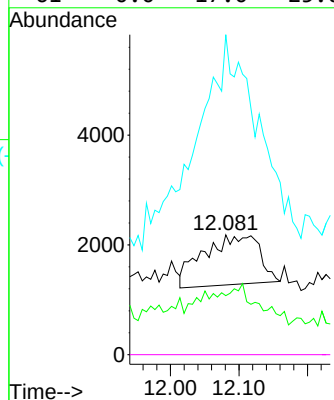
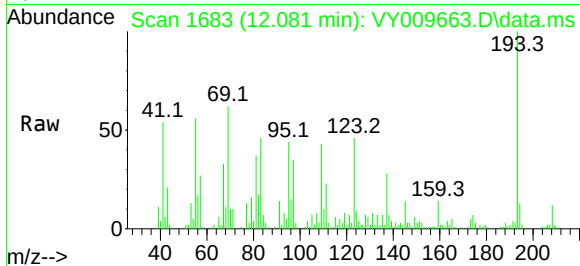




#74
N-amy1 acetate
Concen: 1.900 ug/l
RT: 12.081 min Scan# 1
Delta R.T. -0.061 min
Lab File: VY009663.D
Acq: 22 Jul 2022 16:36

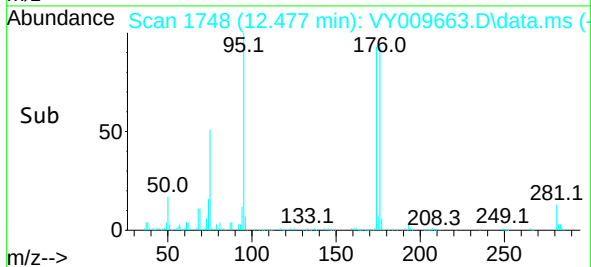
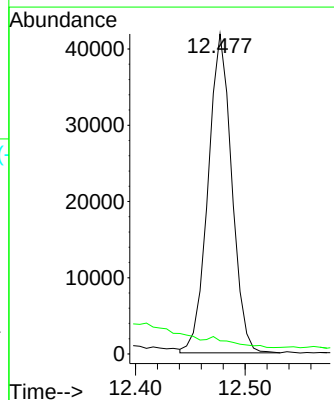
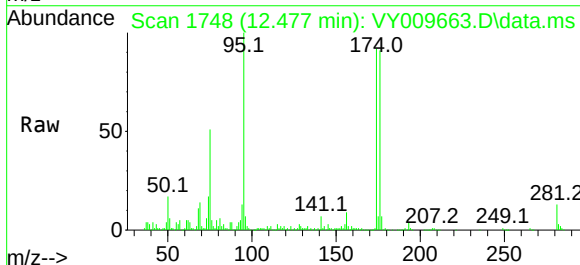
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

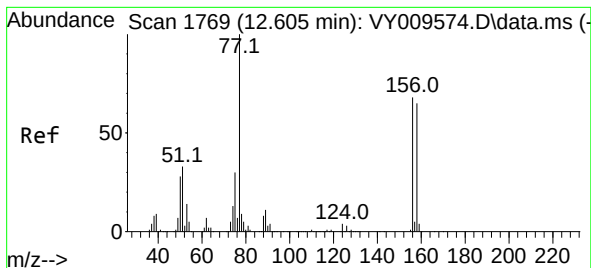
Tgt Ion: 43 Resp: 5081
Ion Ratio Lower Upper
43 100
70 0.0 28.7 43.1#
55 289.1 17.3 25.9#
61 0.0 17.0 25.6#



#76
1,2,3-Trichloropropane
Concen: 45.375 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY009663.D
Acq: 22 Jul 2022 16:36

Tgt Ion: 75 Resp: 62776
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 122.412 ug/l

RT: 12.361 min Scan# 1729

Delta R.T. -0.244 min

Lab File: VY009663.D

Acq: 22 Jul 2022 16:36

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

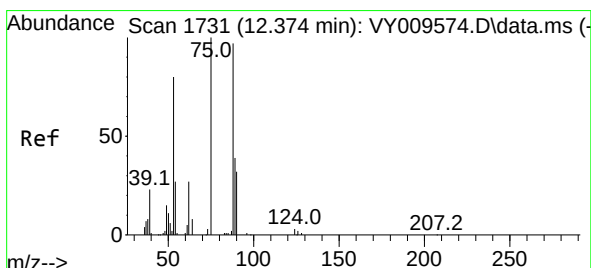
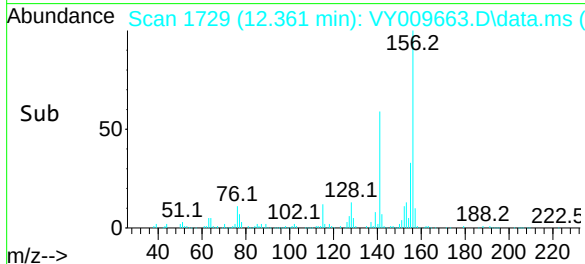
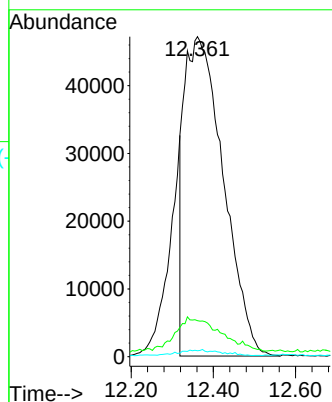
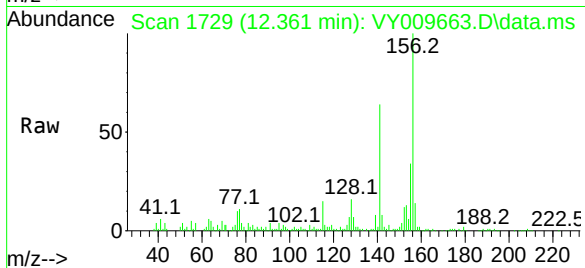
Tgt Ion:156 Resp: 309528

Ion Ratio Lower Upper

156 100

77 0.0 95.5 286.4#

158 0.4 48.0 144.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 4.407 ug/l

RT: 12.337 min Scan# 1725

Delta R.T. -0.037 min

Lab File: VY009663.D

Acq: 22 Jul 2022 16:36

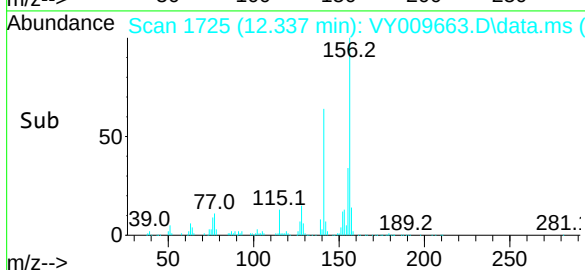
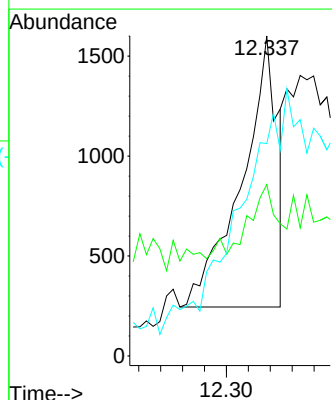
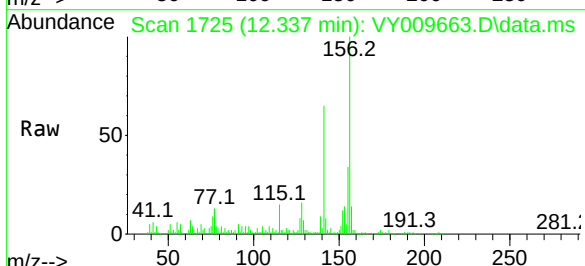
Tgt Ion: 75 Resp: 3092

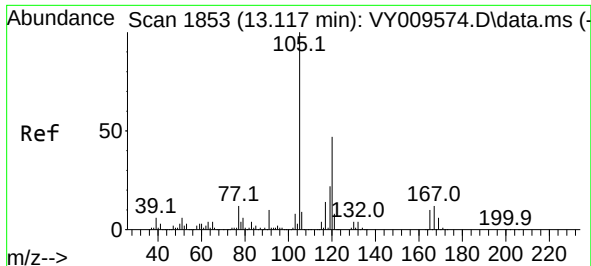
Ion Ratio Lower Upper

75 100

53 18.7 85.3 127.9#

89 0.0 37.0 55.4#

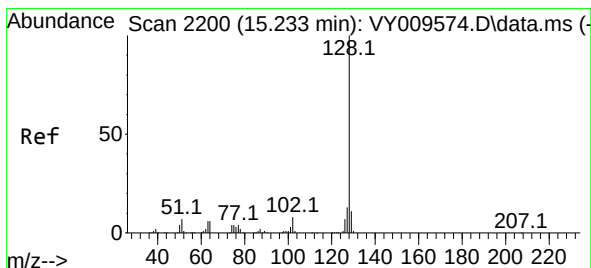
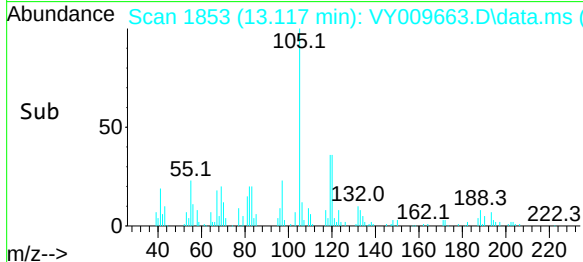
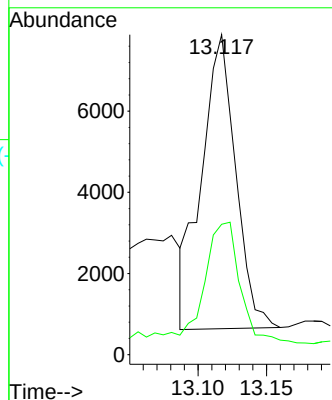
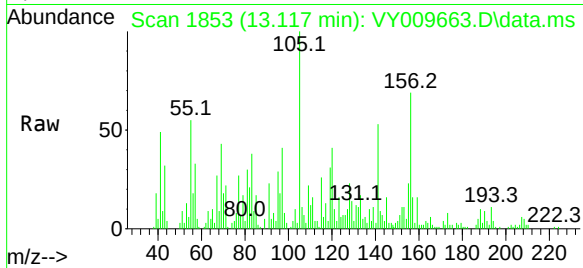




#84
1,2,4-Trimethylbenzene
Concen: 1.512 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VY009663.D
Acq: 22 Jul 2022 16:36

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion:105 Resp: 12567
Ion Ratio Lower Upper
105 100
120 42.9 22.3 66.9



#95
Naphthalene
Concen: 5.684 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY009663.D
Acq: 22 Jul 2022 16:36

Tgt Ion:128 Resp: 29761
Ion Ratio Lower Upper
128 100
127 10.2 11.0 16.4#
129 4.7 8.4 12.6#

