

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102822\
 Data File : VY011152.D
 Acq On : 28 Oct 2022 12:24
 Operator : KP/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Oct 28 23:44:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 28 23:42:14 2022
 Response via : Initial Calibration

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

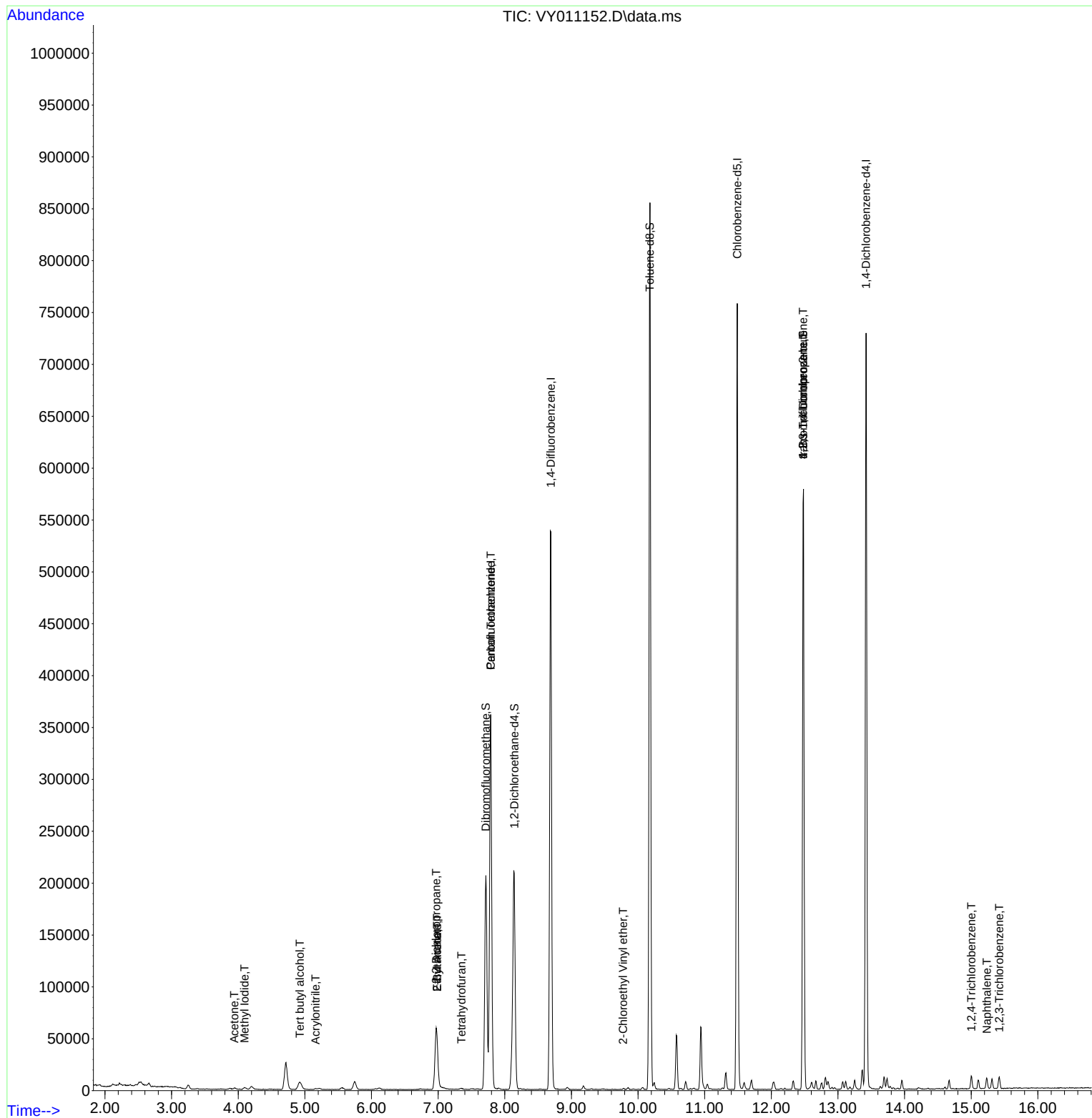
Internal Standards						
1) Pentafluorobenzene	7.789	168	276762	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	476166	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	420219	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	187903	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	152590	53.320	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.640%	
35) Dibromofluoromethane	7.716	113	149455	51.039	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.080%	
50) Toluene-d8	10.179	98	571897	49.298	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 98.600%	
62) 4-Bromofluorobenzene	12.477	95	182165	47.991	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 95.980%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	596	Below Cal		94
3) Chloromethane	2.119	50	918	Below Cal	#	81
4) Vinyl Chloride	2.241	62	271	Below Cal	#	43
5) Bromomethane	2.662	94	1457	Below Cal		96
6) Chloroethane	2.790	64	23	Below Cal	#	43
10) Methyl Iodide	4.095	142	2973	1.098	ug/l	91
11) Tert butyl alcohol	4.924	59	7593	23.547	ug/l	# 77
13) Acrolein	3.735	56	249	Below Cal		84
15) Acrylonitrile	5.161	53	1076	1.384	ug/l	# 92
16) Acetone	3.942	43	2457	3.509	ug/l	# 79
17) Carbon Disulfide	4.192	76	1053	Below Cal	#	75
18) Methyl Acetate	4.454	43	96	Below Cal	#	56
25) 2-Butanone	6.984	43	4165	4.150	ug/l	95
26) 2,2-Dichloropropane	6.972	77	4848	1.106	ug/l	# 55
29) Tetrahydrofuran	7.350	42	602	1.007	ug/l	# 88
31) Cyclohexane	7.783	56	5853	Below Cal	#	1
37) Ethyl Acetate	6.984	43	4165	1.928	ug/l	# 1
38) Carbon Tetrachloride	7.789	117	27312	6.568	ug/l	# 16
58) 2-Chloroethyl Vinyl ether	9.776	63	517	23.908	ug/l	# 70
76) 1,2,3-Trichloropropane	12.477	75	90317	46.232	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	90317	98.181	ug/l	# 7
93) 1,2,4-Trichlorobenzene	15.001	180	4048	1.342	ug/l	96
95) Naphthalene	15.233	128	9256	5.606	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	3823	1.456	ug/l	98

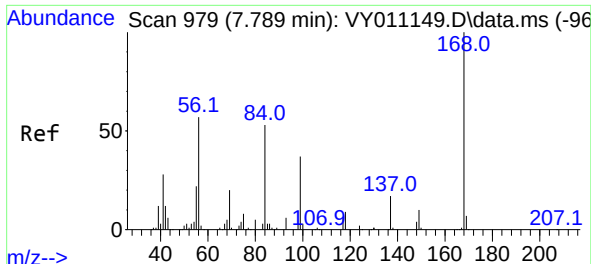
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Oct 28 23:42:14 2022
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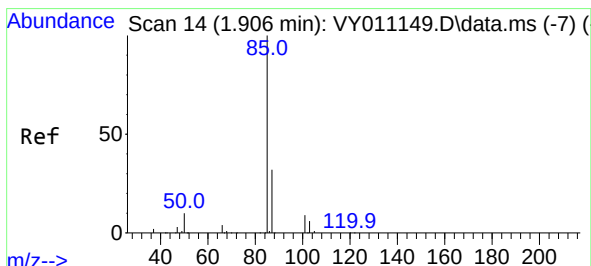
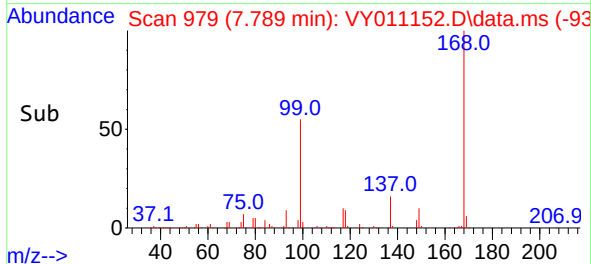
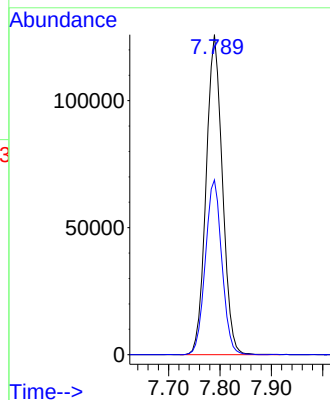
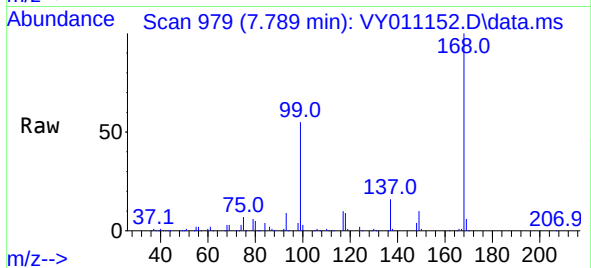




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011152.D
Acq: 28 Oct 2022 12:24

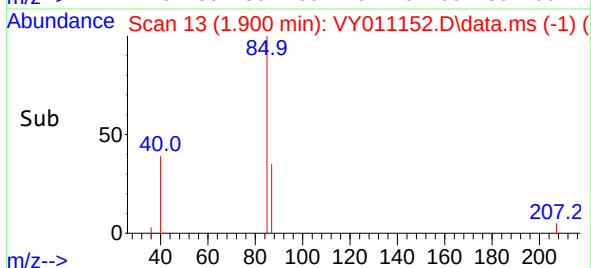
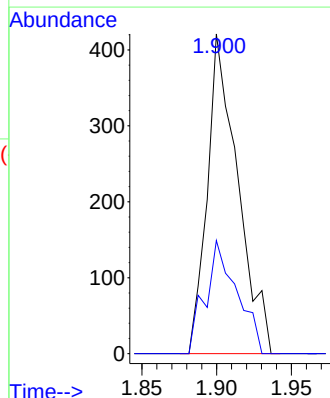
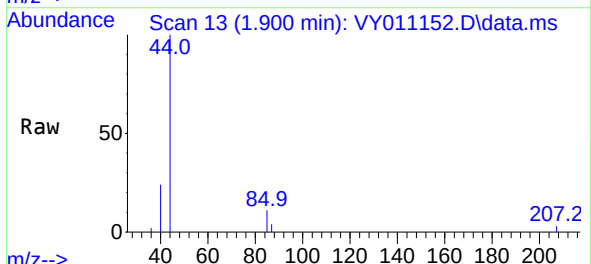
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

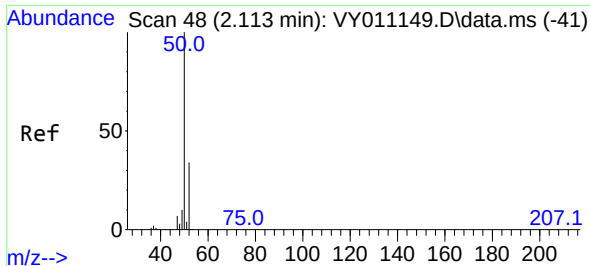
Tgt Ion:168 Resp: 276762
Ion Ratio Lower Upper
168 100
99 54.6 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY011152.D
Acq: 28 Oct 2022 12:24

Tgt Ion: 85 Resp: 596
Ion Ratio Lower Upper
85 100
87 35.4 16.1 48.2

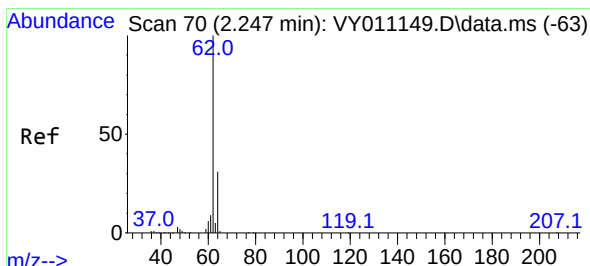
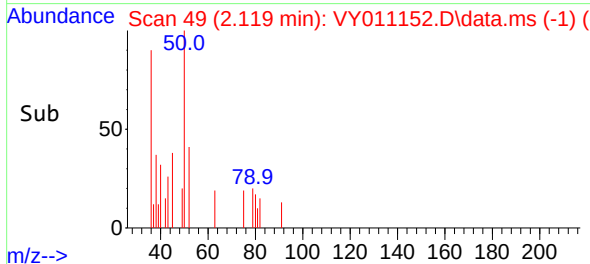
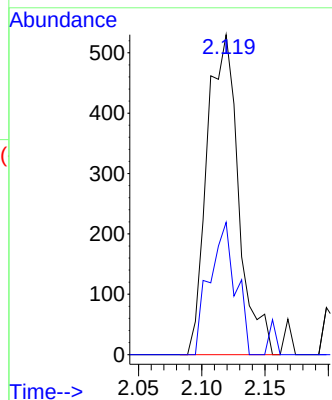
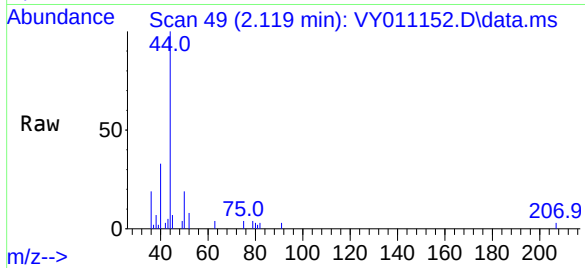




#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY011152.D
Acq: 28 Oct 2022 12:24

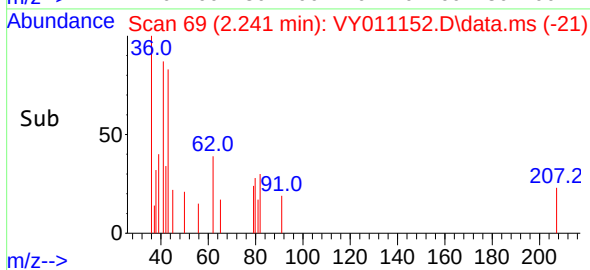
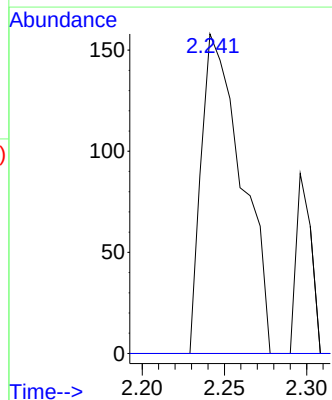
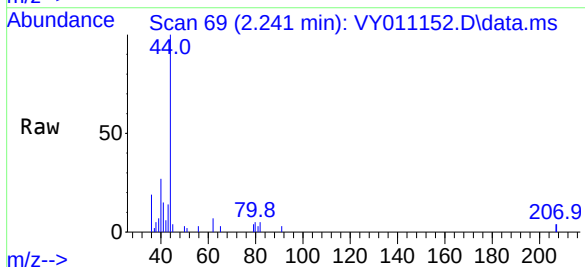
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

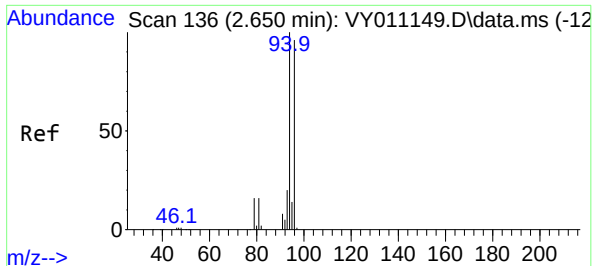
Tgt Ion: 50 Resp: 918
Ion Ratio Lower Upper
50 100
52 41.3 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.241 min Scan# 69
Delta R.T. -0.006 min
Lab File: VY011152.D
Acq: 28 Oct 2022 12:24

Tgt Ion: 62 Resp: 271
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

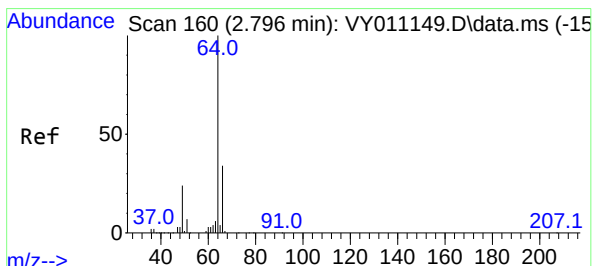
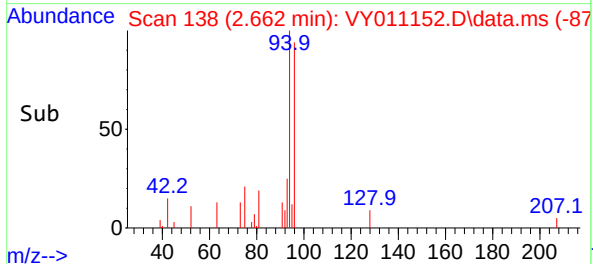
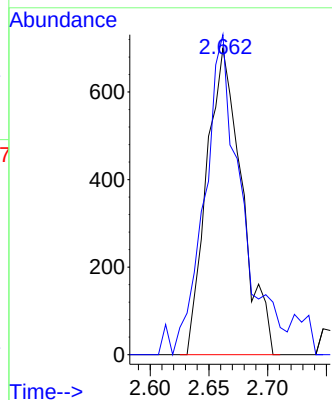
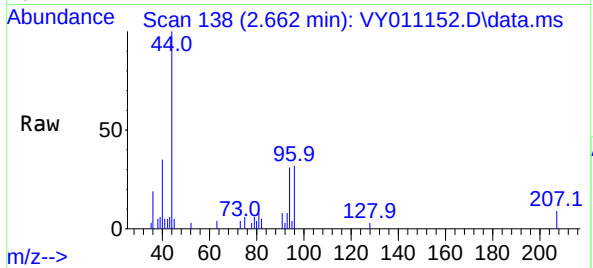




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY011152.D
Acq: 28 Oct 2022 12:24

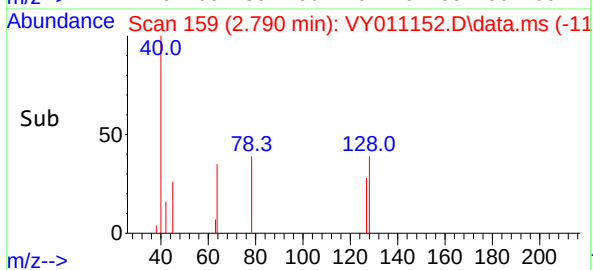
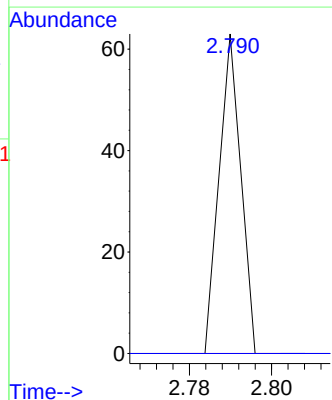
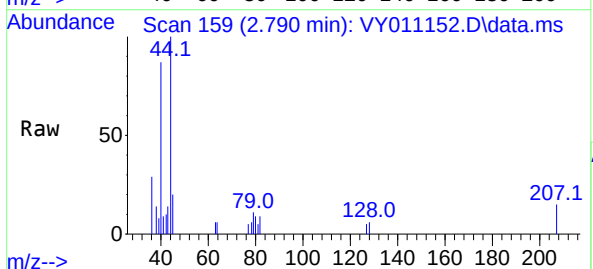
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

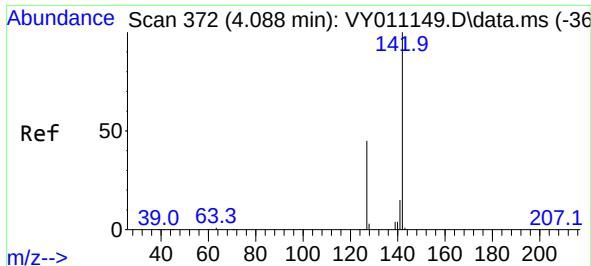
Tgt Ion: 94 Resp: 1457
Ion Ratio Lower Upper
94 100
96 95.6 73.5 110.3



#6
Chloroethane
Concen: Below Cal
RT: 2.790 min Scan# 159
Delta R.T. -0.006 min
Lab File: VY011152.D
Acq: 28 Oct 2022 12:24

Tgt Ion: 64 Resp: 23
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#





#10

Methyl Iodide

Concen: 1.098 ug/l

RT: 4.095 min Scan# 31

Delta R.T. 0.007 min

Lab File: VY011152.D

Acq: 28 Oct 2022 12:24

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

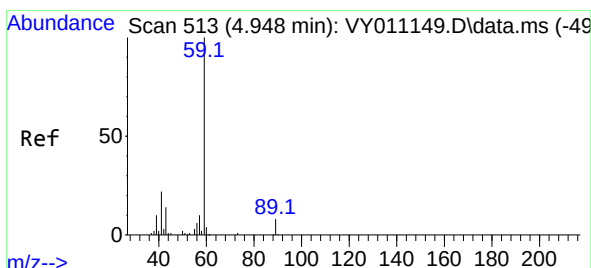
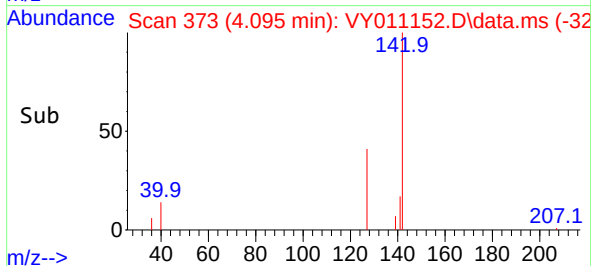
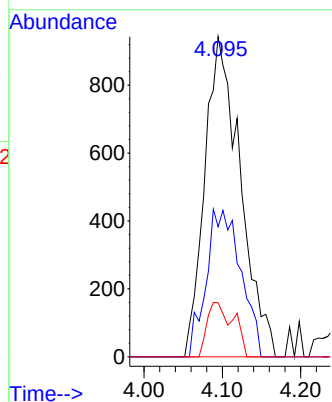
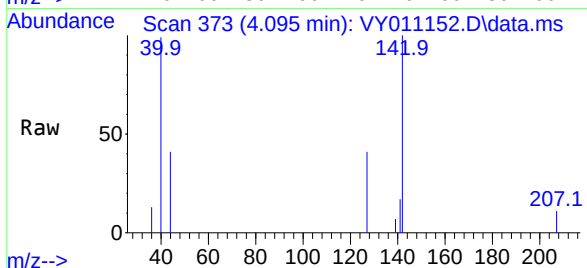
Tgt Ion:142 Resp: 2973

Ion Ratio Lower Upper

142 100

127 44.7 41.5 62.3

141 12.5 11.9 17.9



#11

Tert butyl alcohol

Concen: 23.547 ug/l

RT: 4.924 min Scan# 509

Delta R.T. -0.024 min

Lab File: VY011152.D

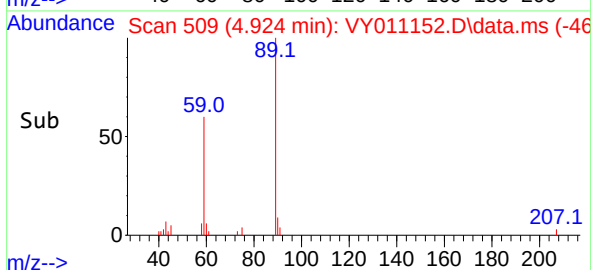
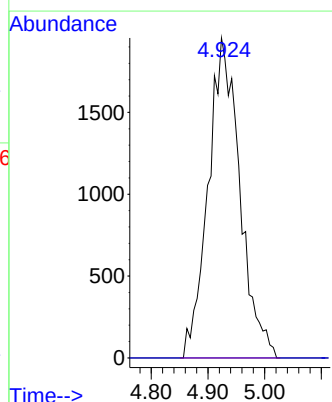
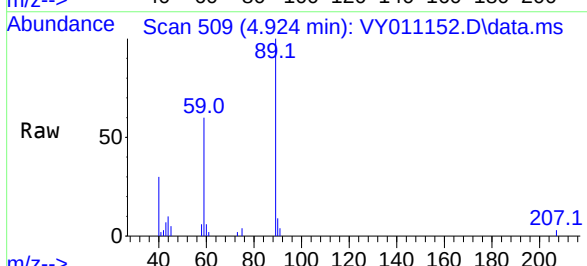
Acq: 28 Oct 2022 12:24

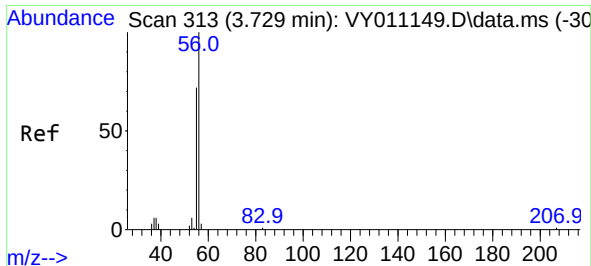
Tgt Ion: 59 Resp: 7593

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#

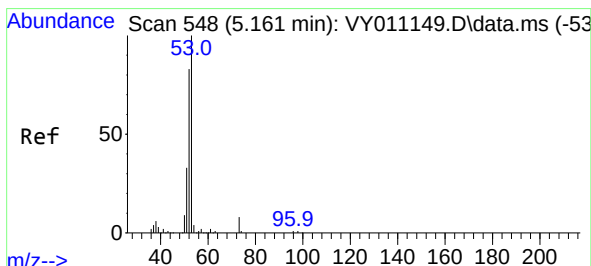
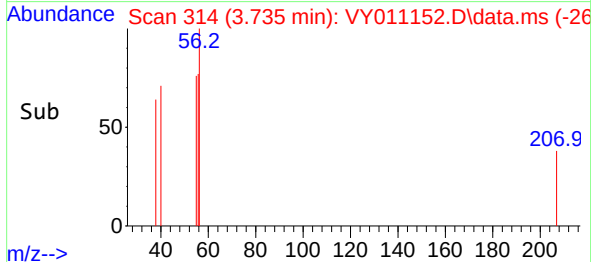
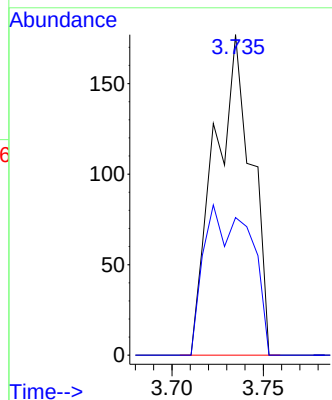
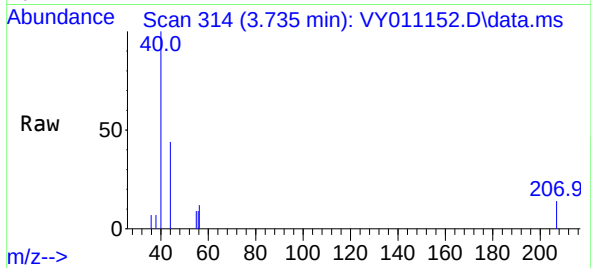




#13
Acrolein
Concen: Below Cal
RT: 3.735 min Scan# 313
Delta R.T. 0.006 min
Lab File: VY011152.D
Acq: 28 Oct 2022 12:24

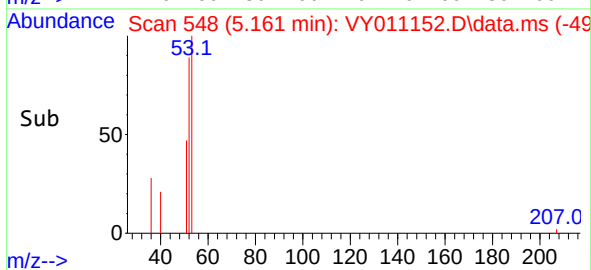
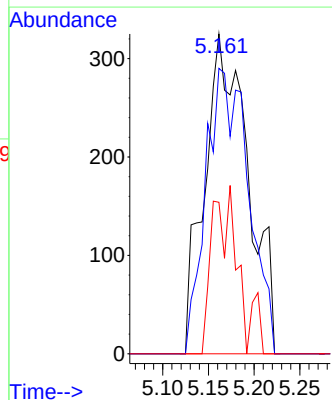
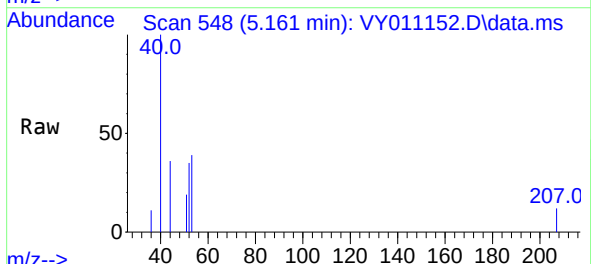
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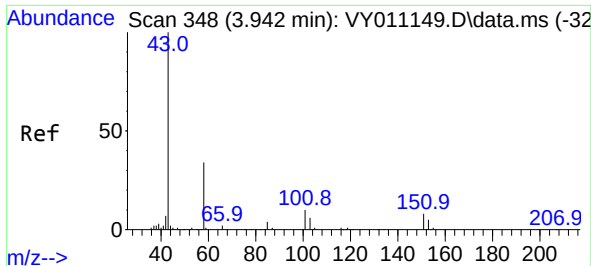
Tgt Ion: 56 Resp: 249
Ion Ratio Lower Upper
56 100
55 58.6 57.6 86.4



#15
Acrylonitrile
Concen: 1.384 ug/l
RT: 5.161 min Scan# 548
Delta R.T. 0.000 min
Lab File: VY011152.D
Acq: 28 Oct 2022 12:24

Tgt Ion: 53 Resp: 1076
Ion Ratio Lower Upper
53 100
52 87.5 67.0 100.4
51 27.9 29.8 44.6#

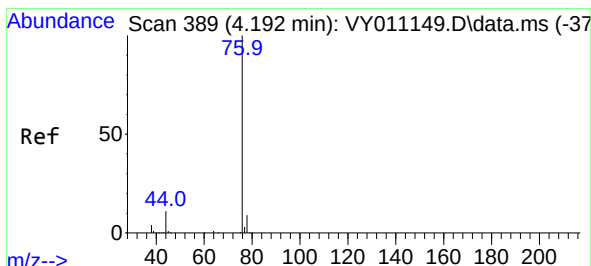
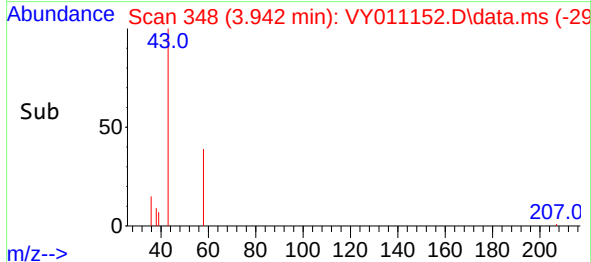
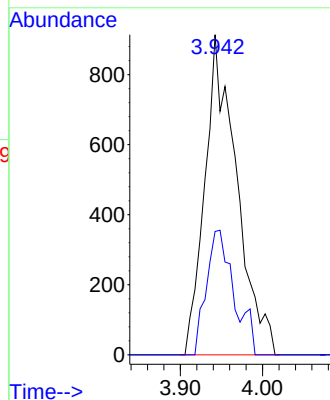
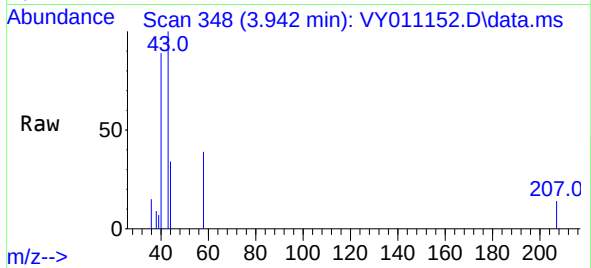




#16
Acetone
Concen: 3.509 ug/l
RT: 3.942 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY011152.D
Acq: 28 Oct 2022 12:24

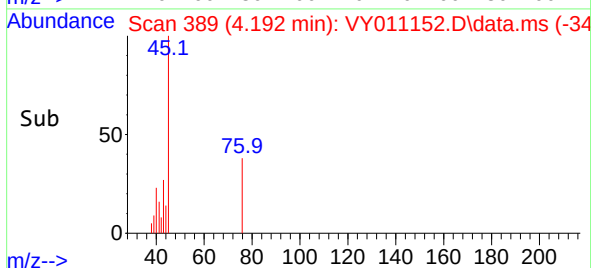
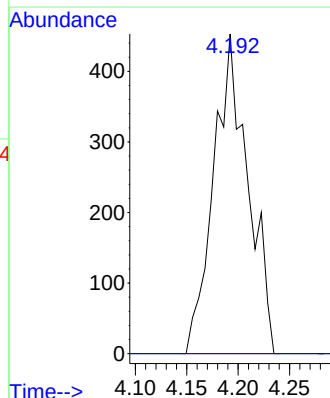
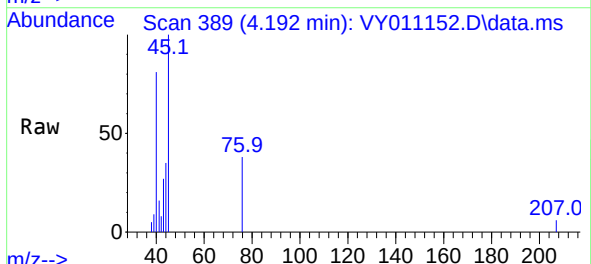
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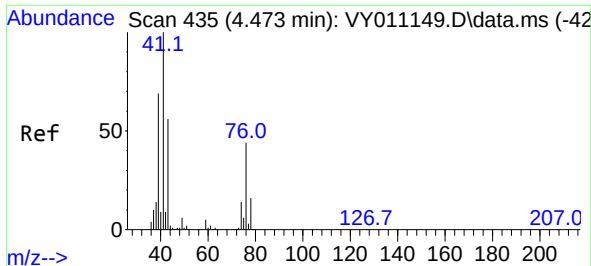
Tgt Ion: 43 Resp: 2457
Ion Ratio Lower Upper
43 100
58 38.5 22.0 33.0#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.192 min Scan# 389
Delta R.T. 0.000 min
Lab File: VY011152.D
Acq: 28 Oct 2022 12:24

Tgt Ion: 76 Resp: 1053
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

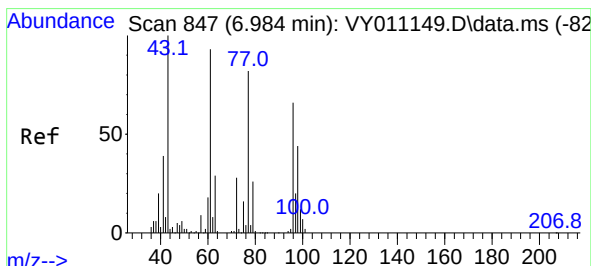
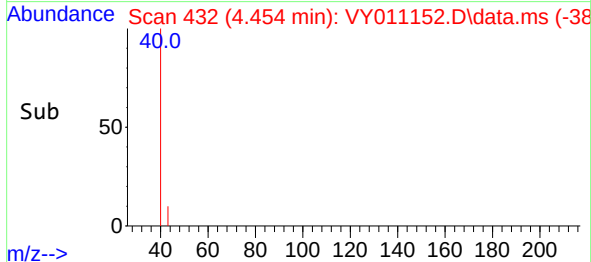
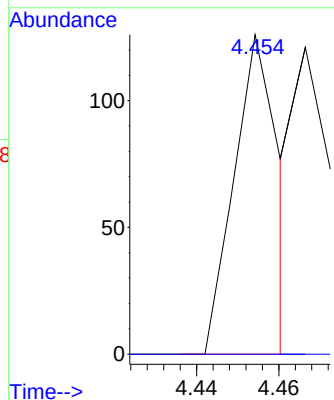
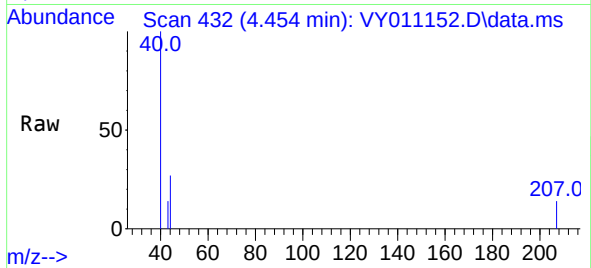




#18
Methyl Acetate
Concen: Below Cal
RT: 4.454 min Scan# 41
Delta R.T. -0.019 min
Lab File: VY011152.D
Acq: 28 Oct 2022 12:24

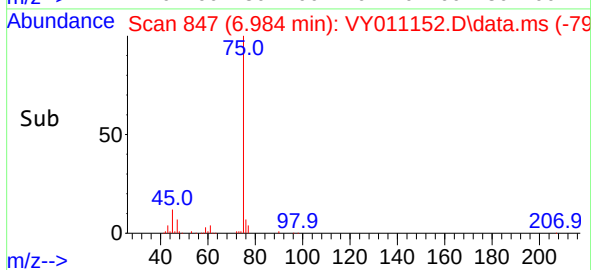
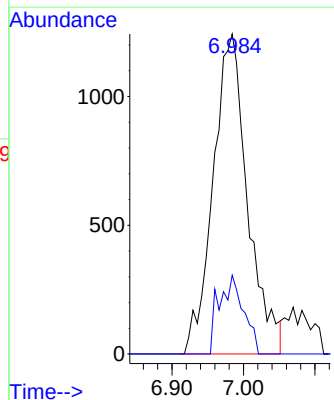
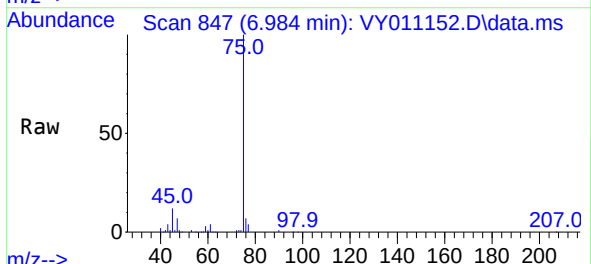
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

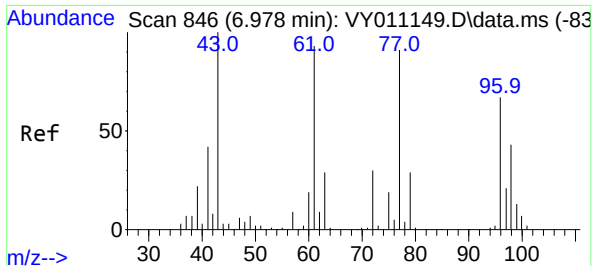
Tgt Ion: 43 Resp: 96
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#25
2-Butanone
Concen: 4.150 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY011152.D
Acq: 28 Oct 2022 12:24

Tgt Ion: 43 Resp: 4165
Ion Ratio Lower Upper
43 100
72 24.6 17.7 26.5

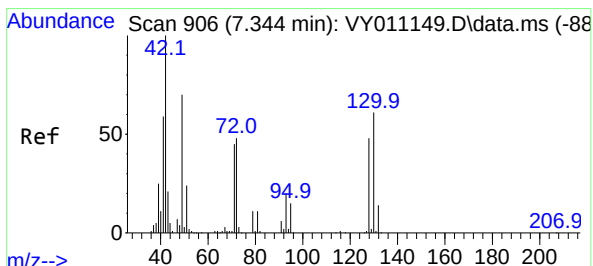
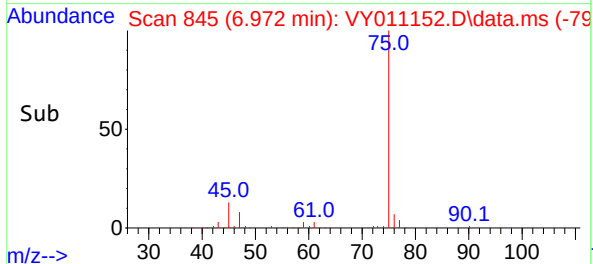
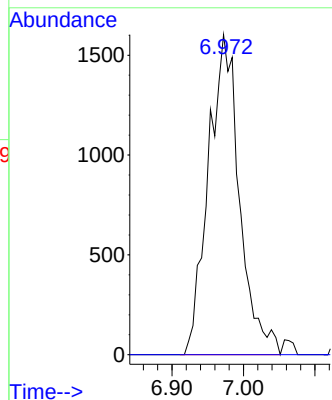
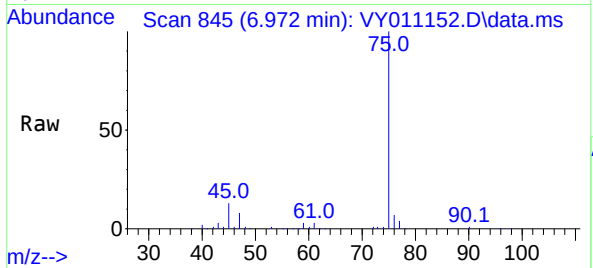




#26
2,2-Dichloropropane
Concen: 1.106 ug/l
RT: 6.972 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY011152.D
Acq: 28 Oct 2022 12:24

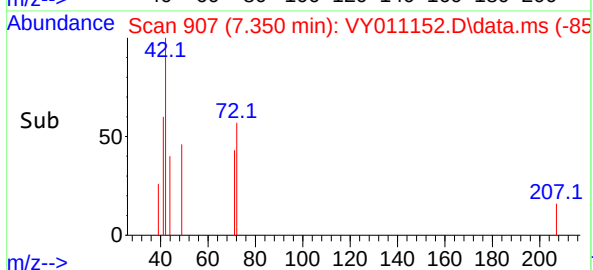
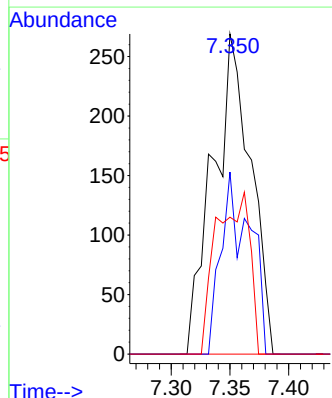
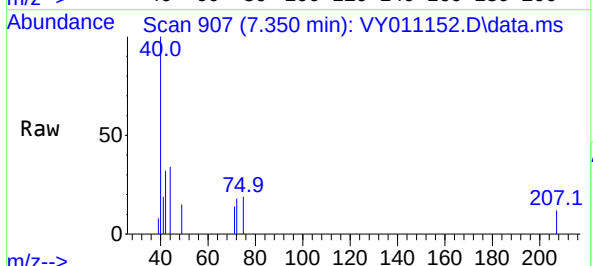
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

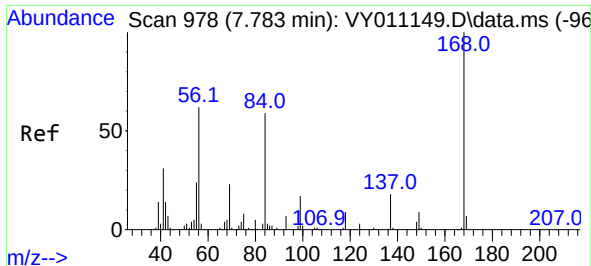
Tgt Ion: 77 Resp: 4848
Ion Ratio Lower Upper
77 100
97 0.0 10.4 31.4#



#29
Tetrahydrofuran
Concen: 1.007 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY011152.D
Acq: 28 Oct 2022 12:24

Tgt Ion: 42 Resp: 602
Ion Ratio Lower Upper
42 100
72 43.2 30.3 45.5
71 44.9 29.0 43.4#

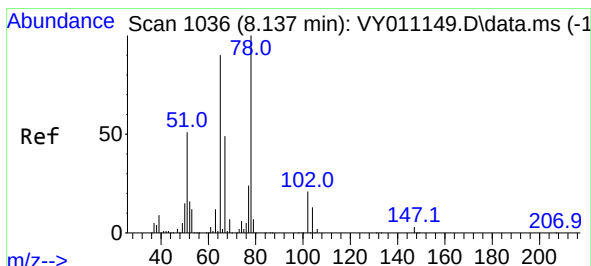
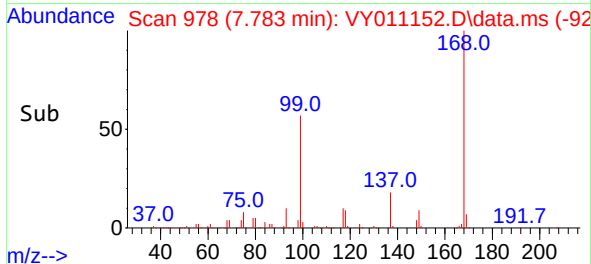
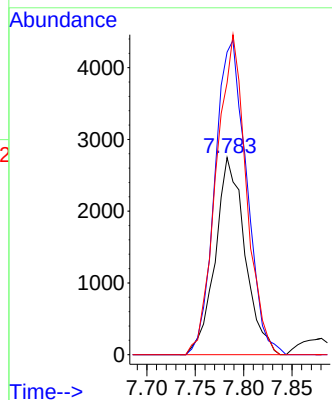
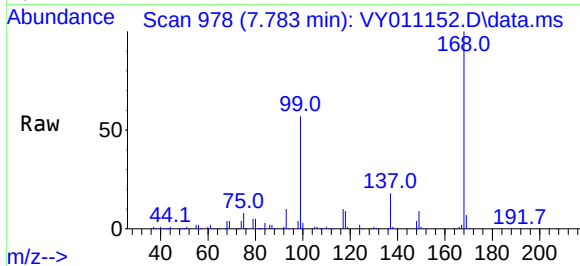




#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011152.D
Acq: 28 Oct 2022 12:24

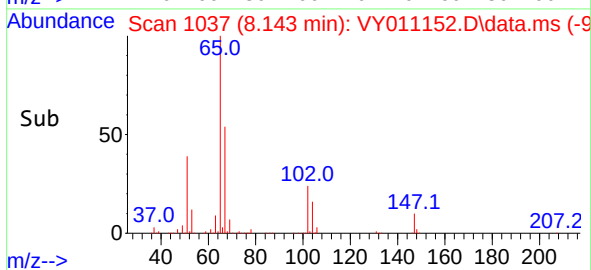
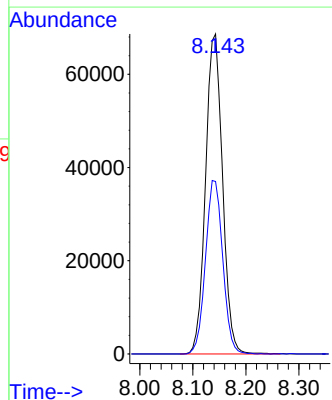
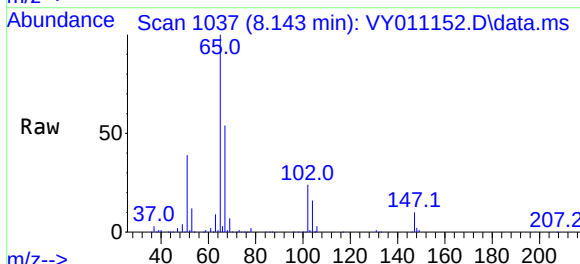
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

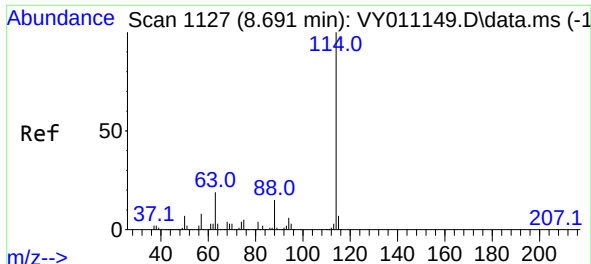
Tgt Ion: 56 Resp: 5853
Ion Ratio Lower Upper
56 100
69 153.5 26.7 40.1#
84 137.9 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 53.320 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY011152.D
Acq: 28 Oct 2022 12:24

Tgt Ion: 65 Resp: 152590
Ion Ratio Lower Upper
65 100
67 55.1 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: VY011152.D

Acq: 28 Oct 2022 12:24

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

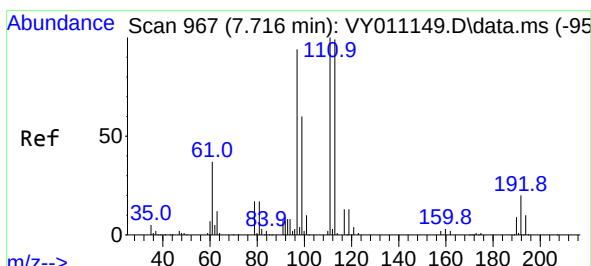
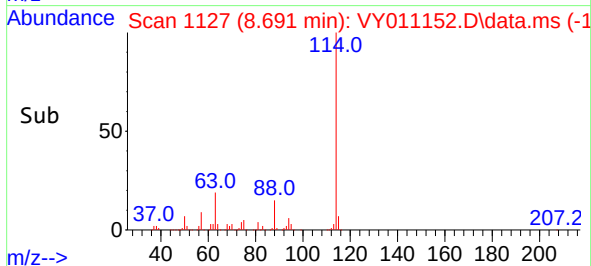
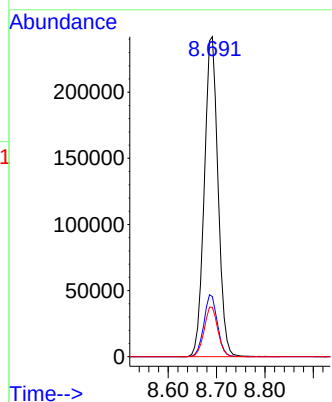
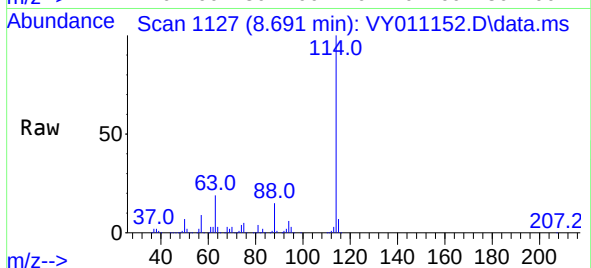
Tgt Ion:114 Resp: 476166

Ion Ratio Lower Upper

114 100

63 18.8 0.0 43.2

88 15.4 0.0 31.8



#35

Dibromofluoromethane

Concen: 51.039 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY011152.D

Acq: 28 Oct 2022 12:24

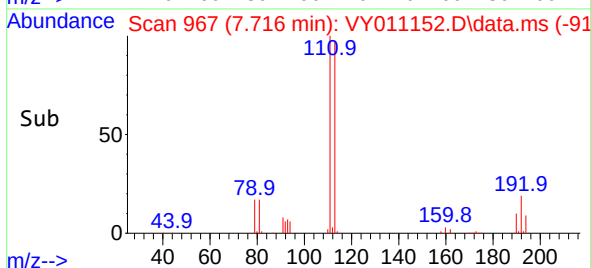
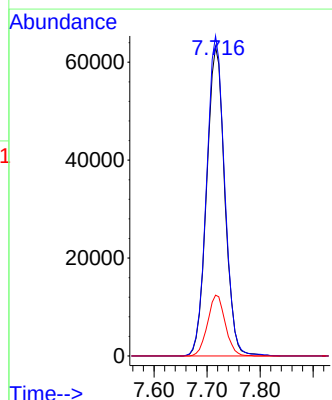
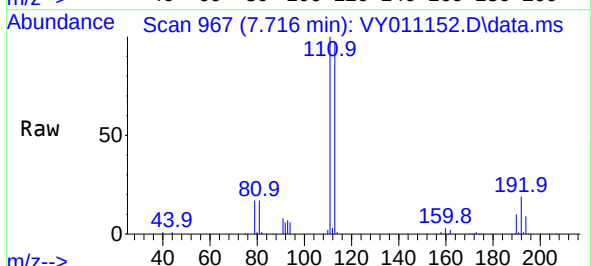
Tgt Ion:113 Resp: 149455

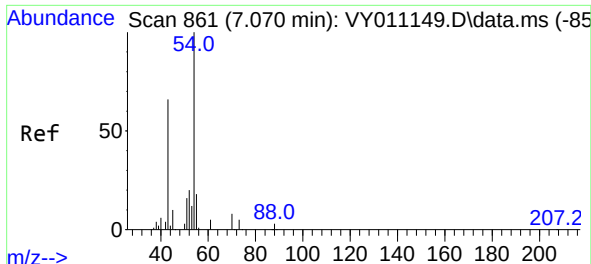
Ion Ratio Lower Upper

113 100

111 103.2 82.6 124.0

192 19.3 17.6 26.4





#37

Ethyl Acetate

Concen: 1.928 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.086 min

Lab File: VY011152.D

Acq: 28 Oct 2022 12:24

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

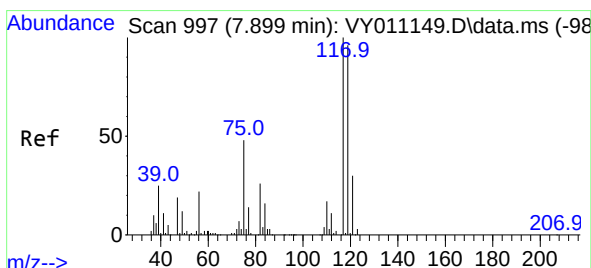
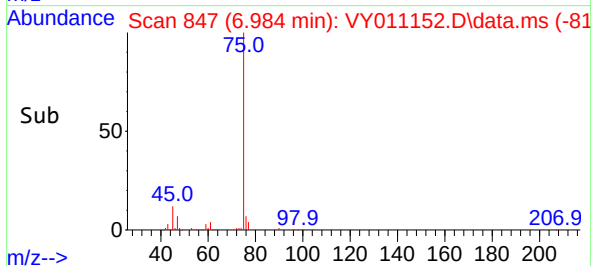
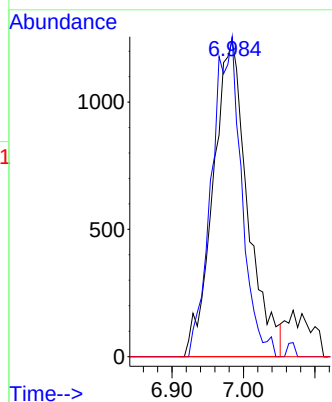
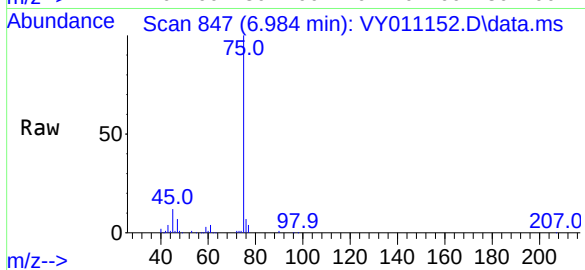
Tgt Ion: 43 Resp: 4165

Ion Ratio Lower Upper

43 100

61 87.4 9.7 14.5#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 6.568 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY011152.D

Acq: 28 Oct 2022 12:24

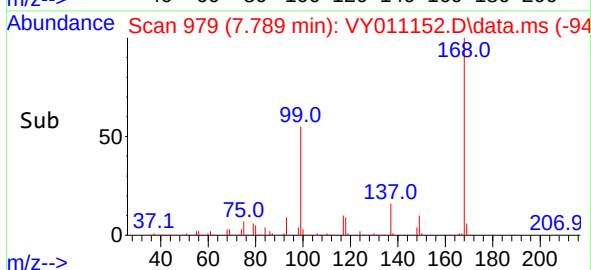
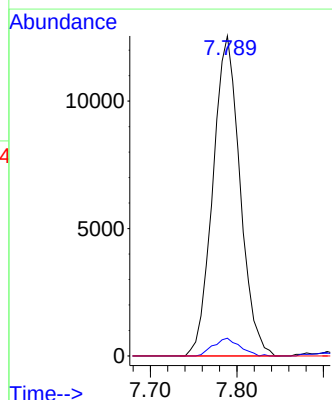
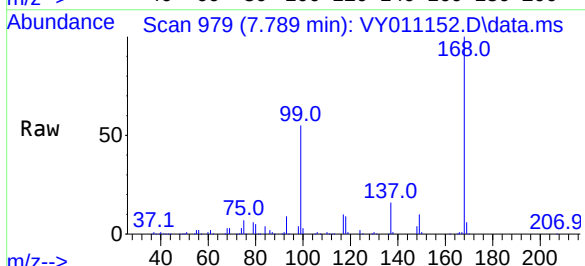
Tgt Ion: 117 Resp: 27312

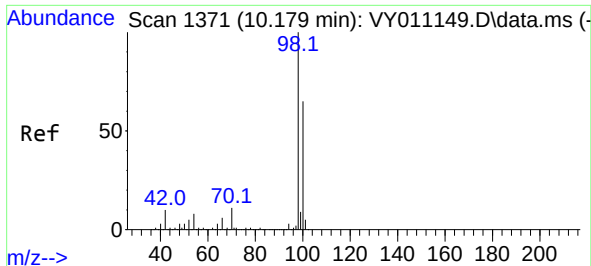
Ion Ratio Lower Upper

117 100

119 5.5 77.9 116.9#

121 0.0 24.8 37.2#

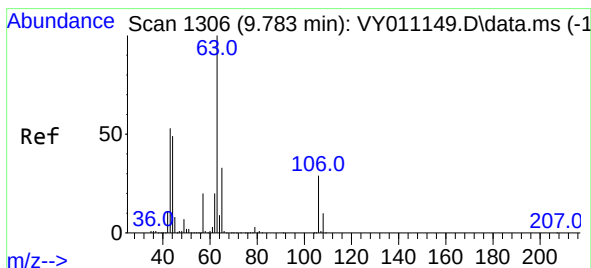
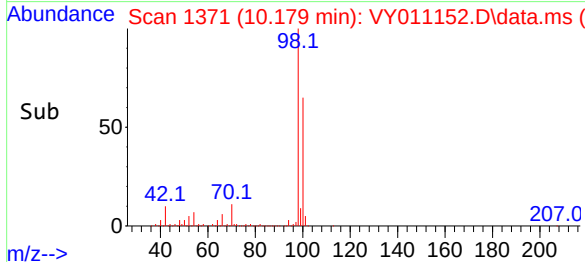
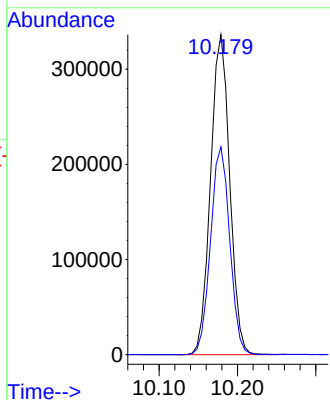
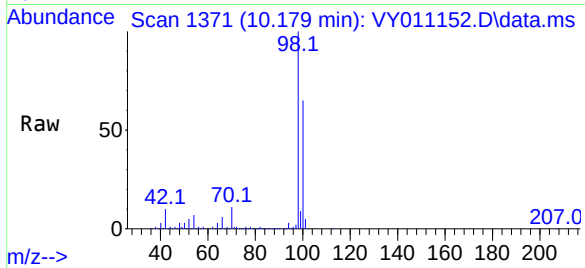




#50
Toluene-d8
Concen: 49.298 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011152.D
Acq: 28 Oct 2022 12:24

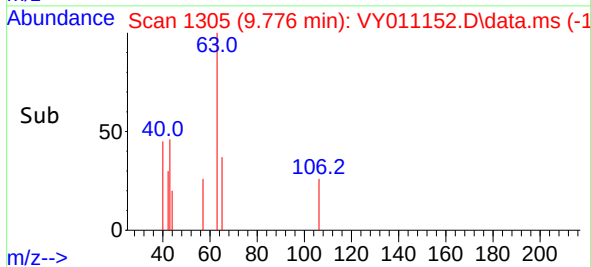
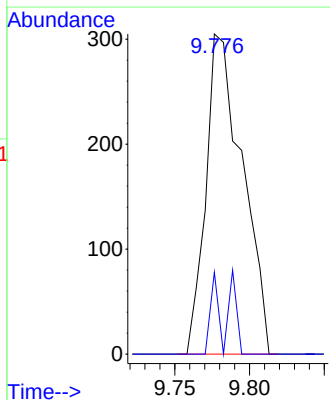
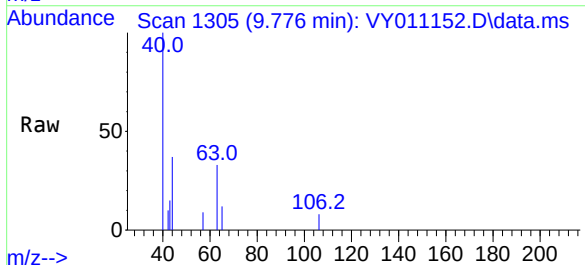
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

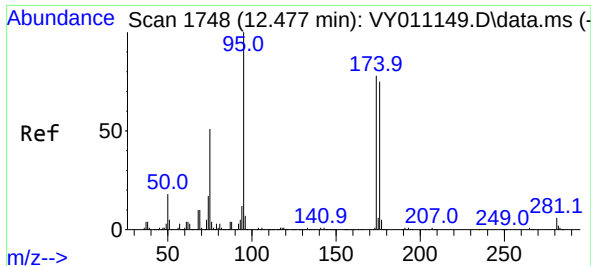
Tgt Ion: 98 Resp: 571897
Ion Ratio Lower Upper
98 100
100 65.1 50.2 75.2



#58
2-Chloroethyl Vinyl ether
Concen: 23.908 ug/l
RT: 9.776 min Scan# 1305
Delta R.T. -0.007 min
Lab File: VY011152.D
Acq: 28 Oct 2022 12:24

Tgt Ion: 63 Resp: 517
Ion Ratio Lower Upper
63 100
106 11.2 21.5 32.3#

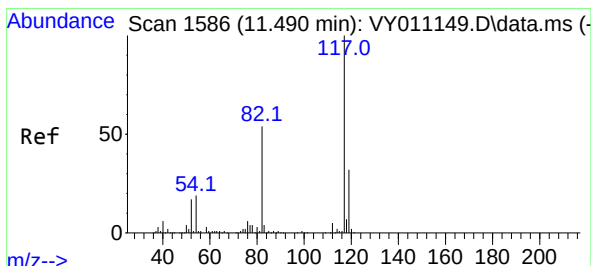
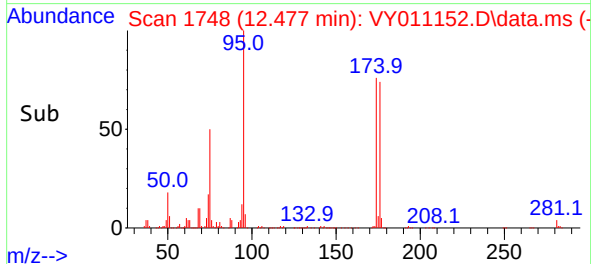
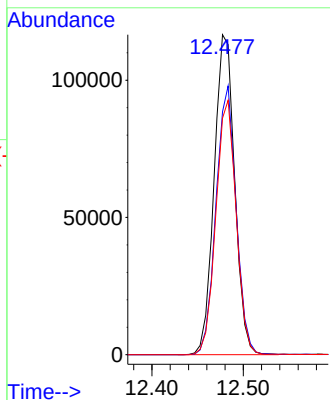
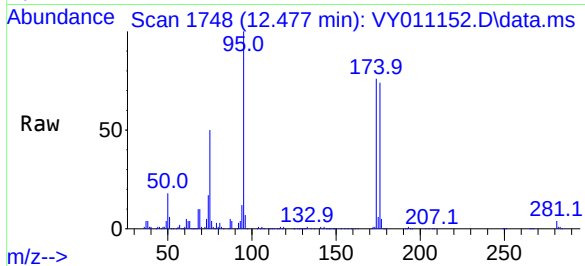




#62
4-Bromofluorobenzene
Concen: 47.991 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011152.D
Acq: 28 Oct 2022 12:24

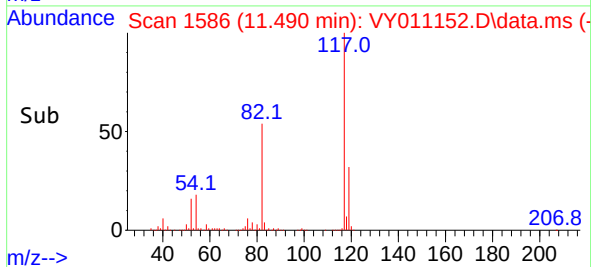
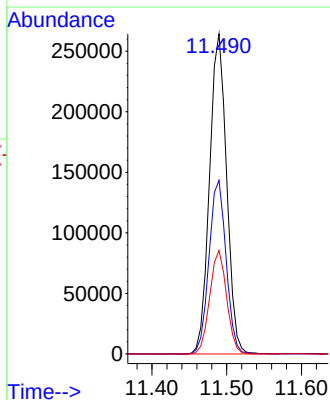
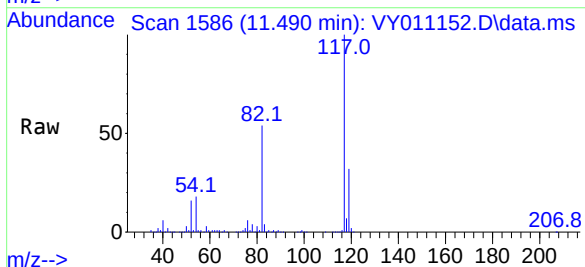
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

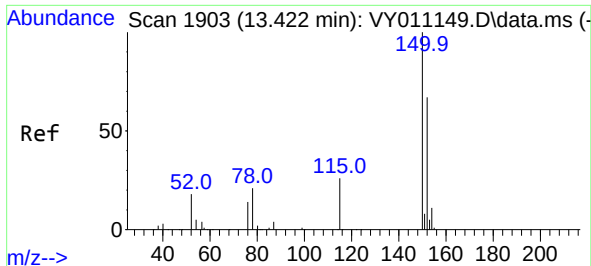
Tgt Ion: 95 Resp: 182165
Ion Ratio Lower Upper
95 100
174 82.4 0.0 177.0
176 78.7 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY011152.D
Acq: 28 Oct 2022 12:24

Tgt Ion: 117 Resp: 420219
Ion Ratio Lower Upper
117 100
82 54.3 43.0 64.4
119 32.3 25.4 38.0

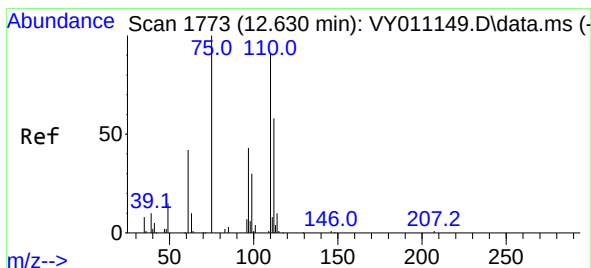
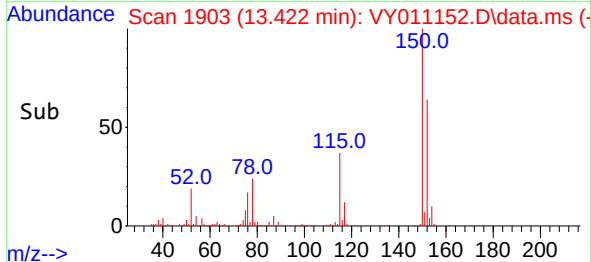
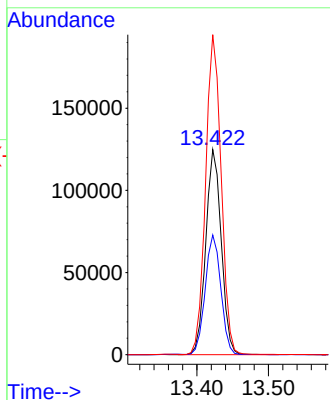
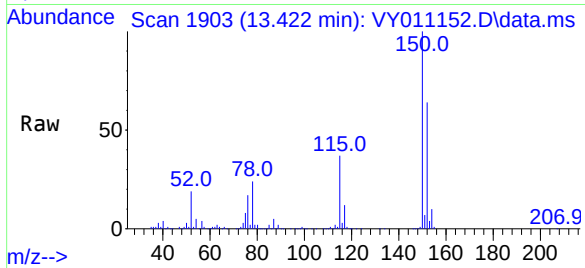




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY011152.D
Acq: 28 Oct 2022 12:24

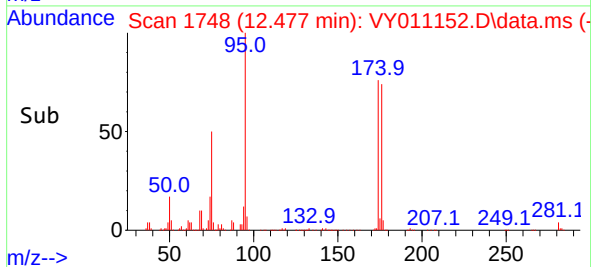
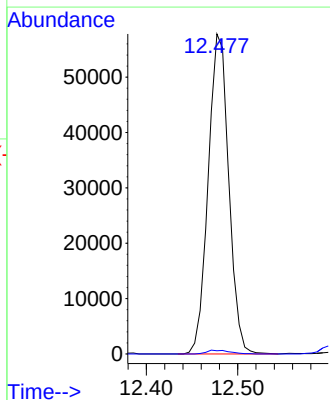
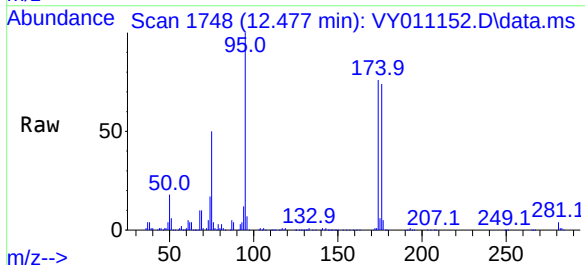
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

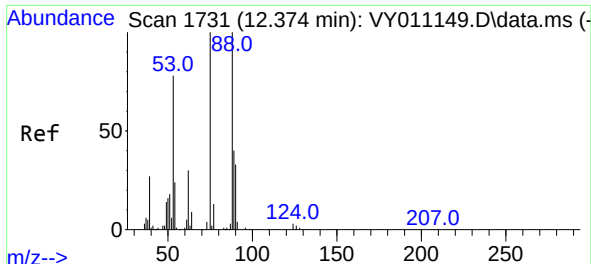
Tgt Ion:152 Resp: 187903
Ion Ratio Lower Upper
152 100
115 59.0 28.2 84.7
150 156.3 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 46.232 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY011152.D
Acq: 28 Oct 2022 12:24

Tgt Ion: 75 Resp: 90317
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

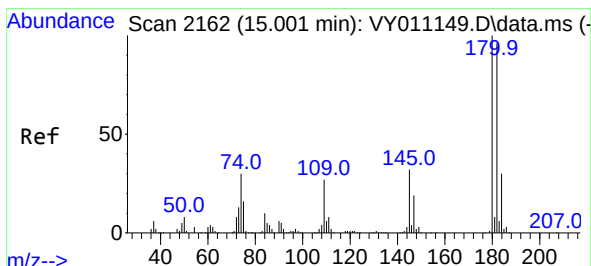
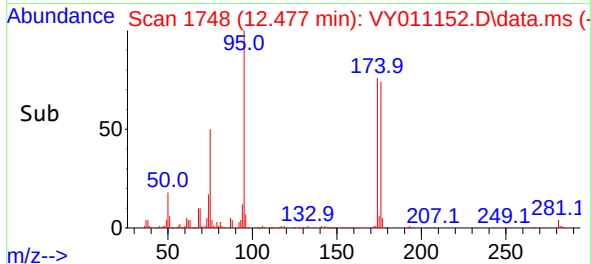
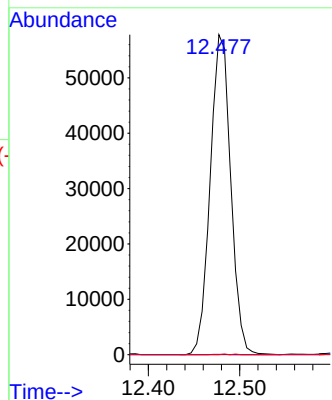
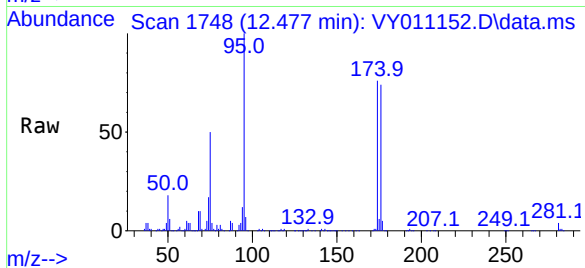




#81
trans-1,4-Dichloro-2-butene
Concen: 98.181 ug/l
RT: 12.477 min Scan# 1731
Delta R.T. 0.103 min
Lab File: VY011152.D
Acq: 28 Oct 2022 12:24

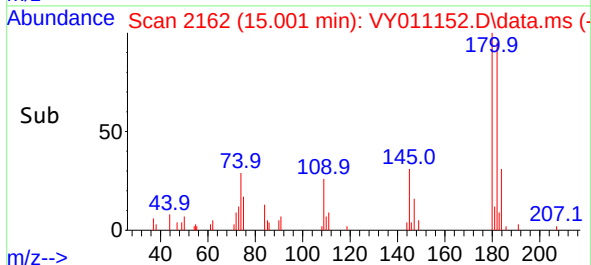
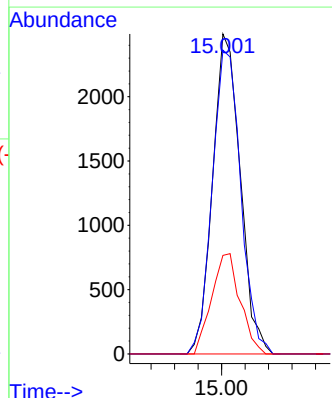
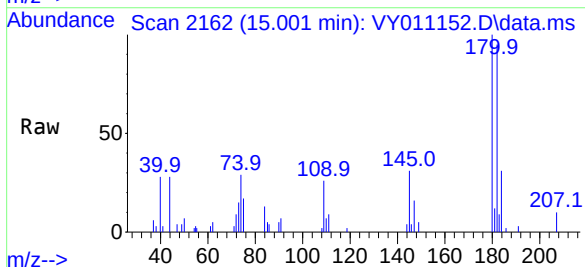
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

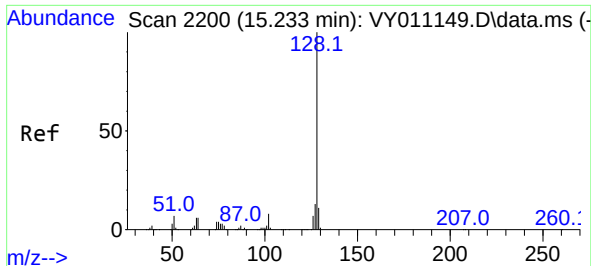
Tgt Ion: 75 Resp: 90317
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.1 37.0 55.4#



#93
1,2,4-Trichlorobenzene
Concen: 1.342 ug/l
RT: 15.001 min Scan# 2162
Delta R.T. 0.000 min
Lab File: VY011152.D
Acq: 28 Oct 2022 12:24

Tgt Ion:180 Resp: 4048
Ion Ratio Lower Upper
180 100
182 98.2 47.3 141.9
145 32.5 14.6 43.8

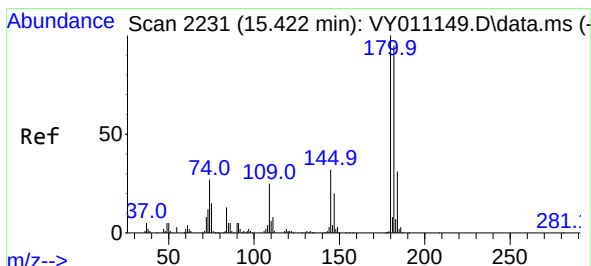
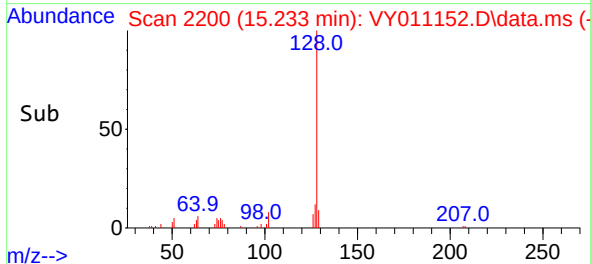
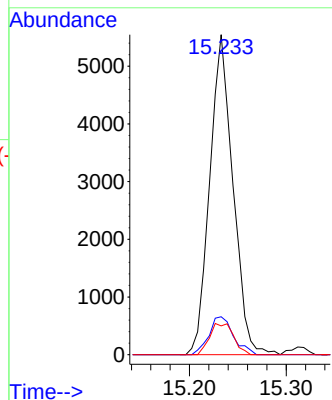
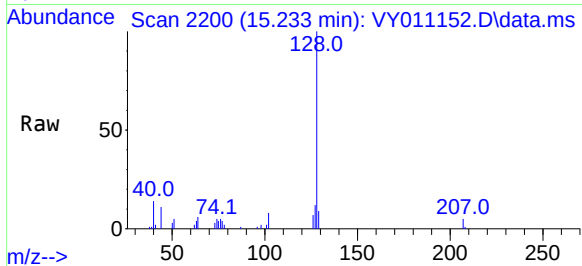




#95
Naphthalene
Concen: 5.606 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY011152.D
Acq: 28 Oct 2022 12:24

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion:	128	Resp:	9256
Ion	Ratio	Lower	Upper
128	100		
127	12.6	11.0	16.4
129	10.0	8.4	12.6



#96
1,2,3-Trichlorobenzene
Concen: 1.456 ug/l
RT: 15.422 min Scan# 2231
Delta R.T. -0.000 min
Lab File: VY011152.D
Acq: 28 Oct 2022 12:24

Tgt Ion:	180	Resp:	3823
Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.3	141.9
145	29.8	15.3	45.9

