

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101722\
 Data File : VY010972.D
 Acq On : 17 Oct 2022 13:51
 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 18 01:45:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101722S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 18 01:42:42 2022
 Response via : Initial Calibration

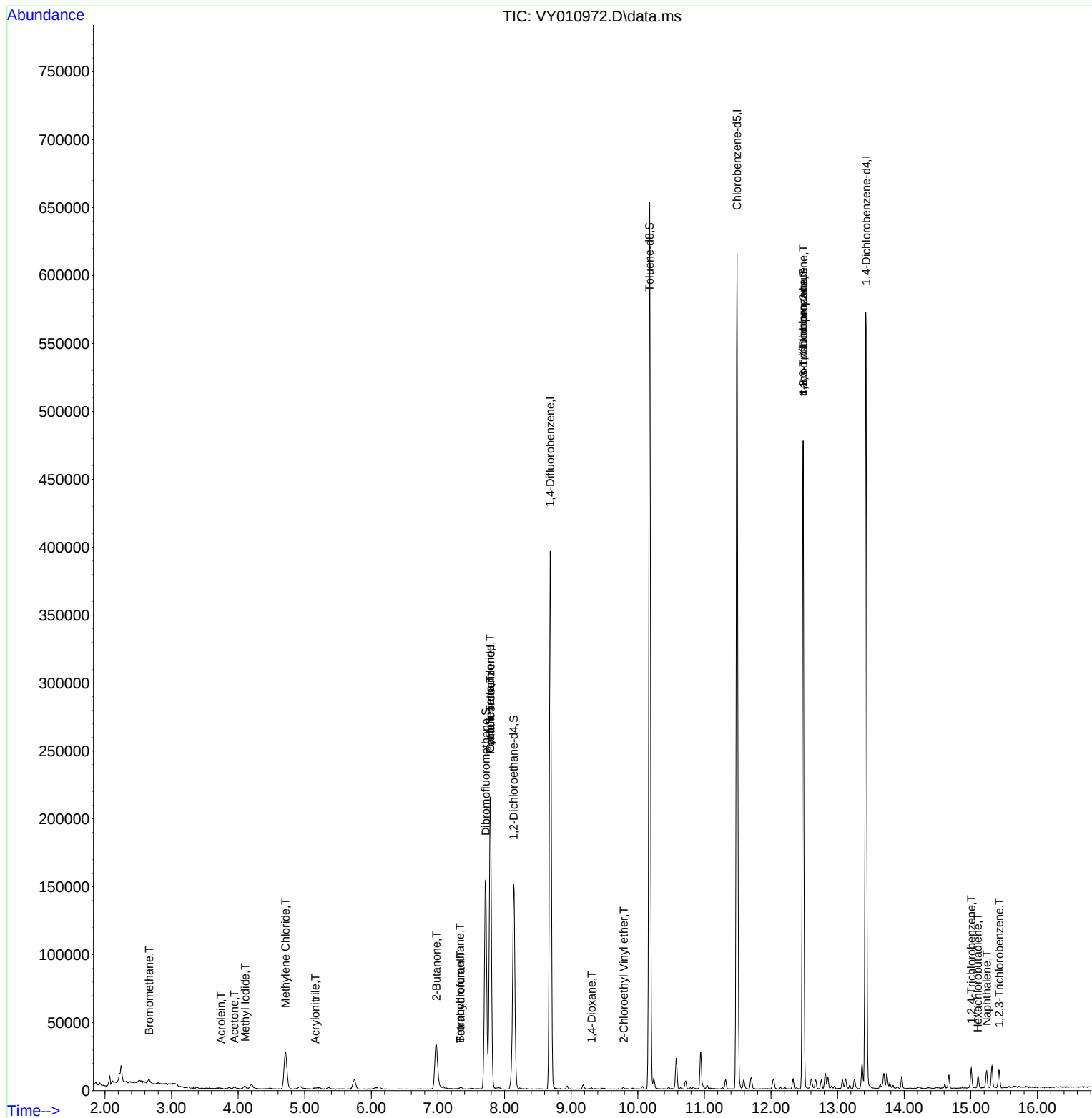
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.789	168	170482	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	349355	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	340993	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	151807	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	111727	71.146	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 142.300%		
35) Dibromofluoromethane	7.716	113	111293	57.472	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 114.940%		
50) Toluene-d8	10.179	98	434098	59.510	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	= 119.020%		
62) 4-Bromofluorobenzene	12.483	95	146264	57.038	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144	Recovery	= 114.080%		
Target Compounds						Qvalue
5) Bromomethane	2.662	94	1681	1.322	ug/l	100
10) Methyl Iodide	4.107	142	3421	1.656	ug/l	89
11) Tert butyl alcohol	4.942	59	2610	Below Cal	#	77
13) Acrolein	3.741	56	622	2.457	ug/l #	14
15) Acrylonitrile	5.162	53	1180	2.254	ug/l	95
16) Acetone	3.942	43	2384	5.228	ug/l #	86
18) Methyl Acetate	4.473	43	438	Below Cal		96
20) Methylene Chloride	4.710	84	22266	5.593	ug/l #	80
25) 2-Butanone	6.978	43	2618	3.785	ug/l	97
28) Bromochloromethane	7.332	49	291	3.751	ug/l #	81
29) Tetrahydrofuran	7.338	42	617	1.450	ug/l #	53
31) Cyclohexane	7.783	56	3525	1.173	ug/l #	1
38) Carbon Tetrachloride	7.783	117	16560	4.933	ug/l #	15
49) 1,4-Dioxane	9.307	88	22	1.134	ug/l #	40
58) 2-Chloroethyl Vinyl ether	9.789	63	642	17.428	ug/l #	69
76) 1,2,3-Trichloropropane	12.483	75	71891	41.712	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	71891	89.712	ug/l #	7
93) 1,2,4-Trichlorobenzene	15.007	180	4352	1.582	ug/l	97
94) Hexachlorobutadiene	15.105	225	1683	1.039	ug/l	98
95) Naphthalene	15.239	128	10977	1.959	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	4478	1.866	ug/l	94

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

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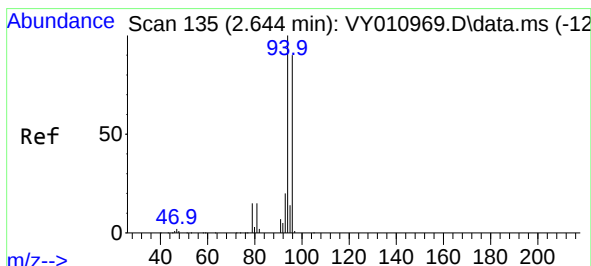
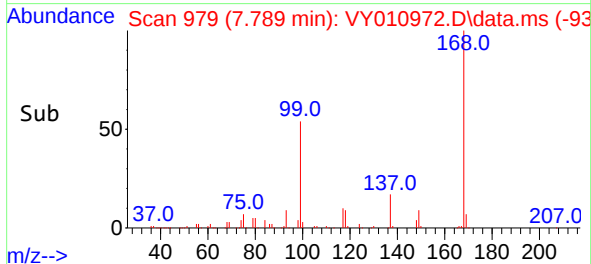
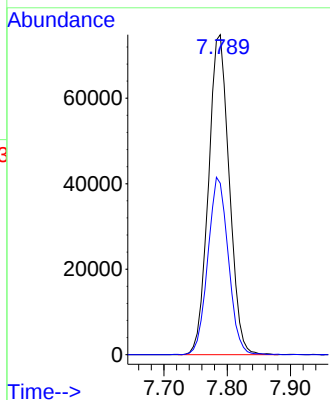
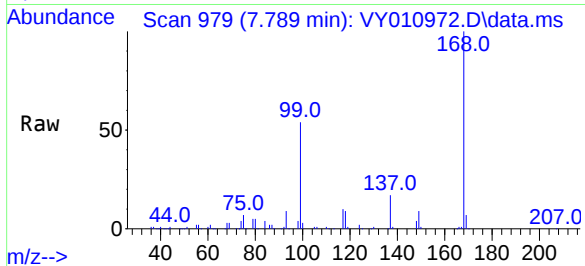




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY010972.D
Acq: 17 Oct 2022 13:51

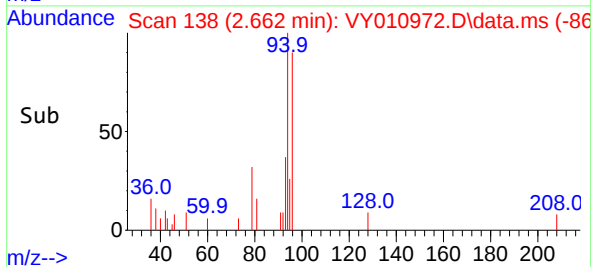
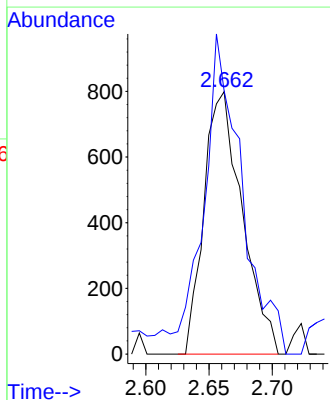
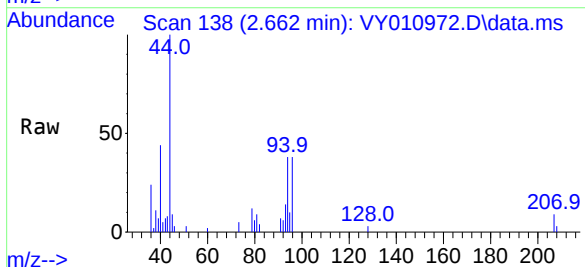
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

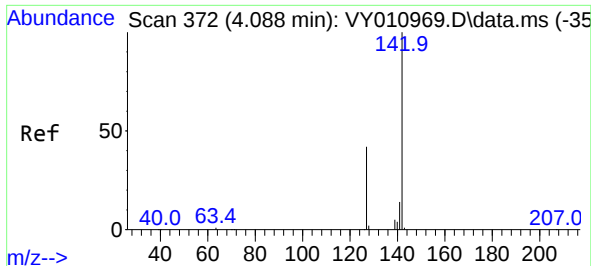
Tgt Ion:168 Resp: 170482
Ion Ratio Lower Upper
168 100
99 53.5 46.9 70.3



#5
Bromomethane
Concen: 1.322 ug/l
RT: 2.662 min Scan# 138
Delta R.T. 0.018 min
Lab File: VY010972.D
Acq: 17 Oct 2022 13:51

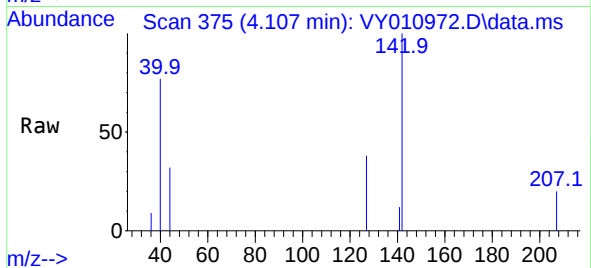
Tgt Ion: 94 Resp: 1681
Ion Ratio Lower Upper
94 100
96 91.9 73.5 110.3



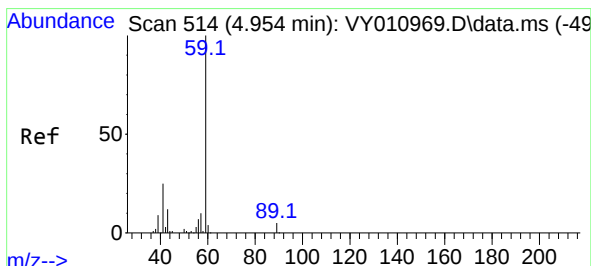
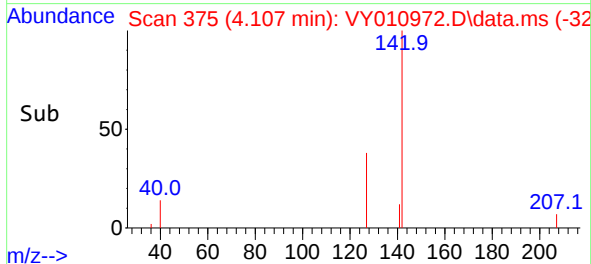
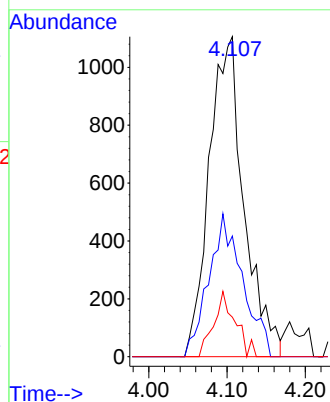


#10
Methyl Iodide
Concen: 1.656 ug/l
RT: 4.107 min Scan# 31
Delta R.T. 0.019 min
Lab File: VY010972.D
Acq: 17 Oct 2022 13:51

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

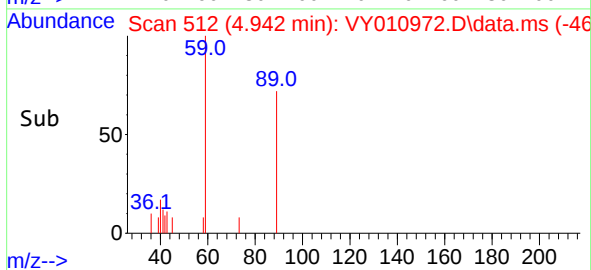
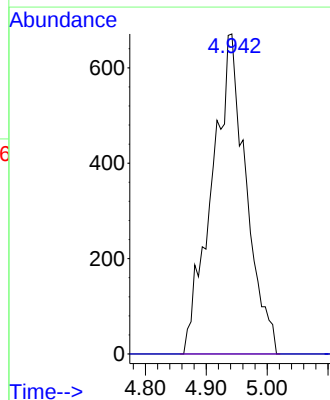
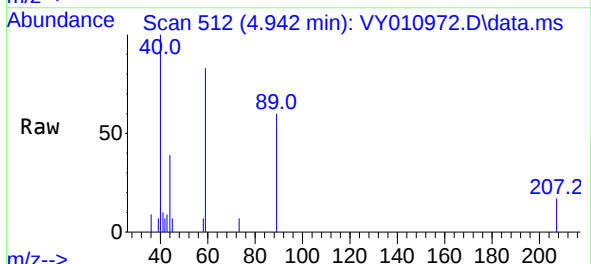


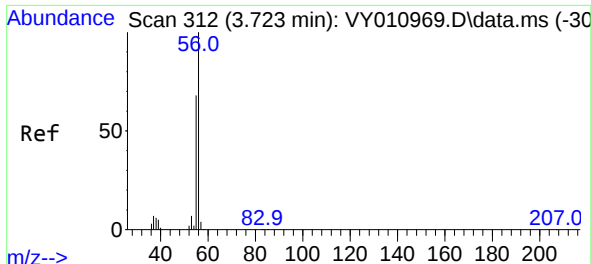
Tgt Ion:142 Resp: 3421
Ion Ratio Lower Upper
142 100
127 43.3 41.5 62.3
141 12.6 11.9 17.9



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 512
Delta R.T. -0.012 min
Lab File: VY010972.D
Acq: 17 Oct 2022 13:51

Tgt Ion: 59 Resp: 2610
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

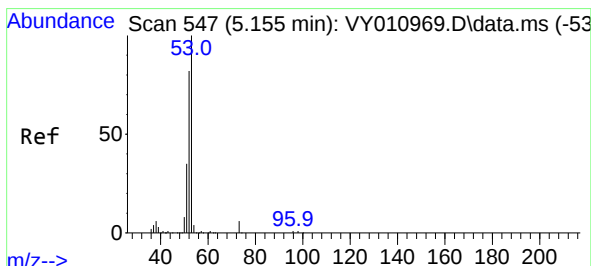
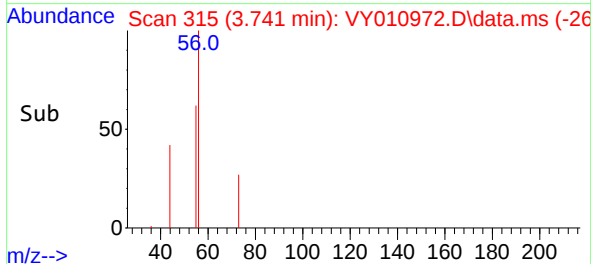
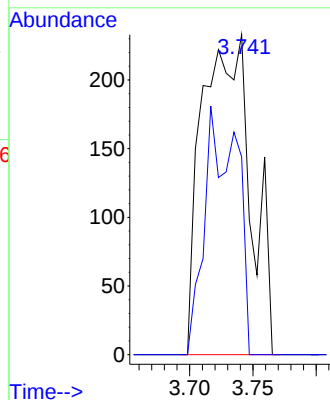
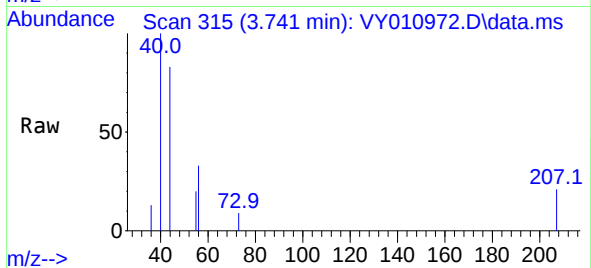




#13
Acrolein
Concen: 2.457 ug/l
RT: 3.741 min Scan# 312
Delta R.T. 0.018 min
Lab File: VY010972.D
Acq: 17 Oct 2022 13:51

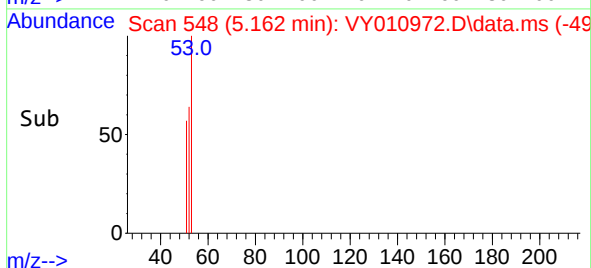
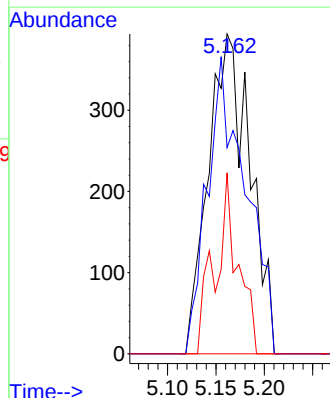
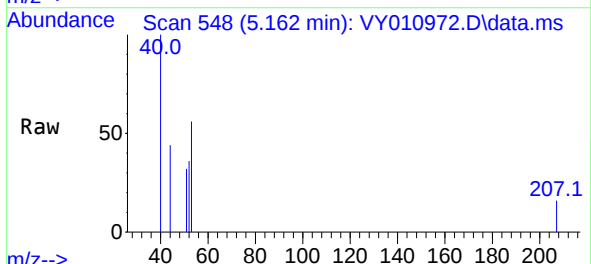
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

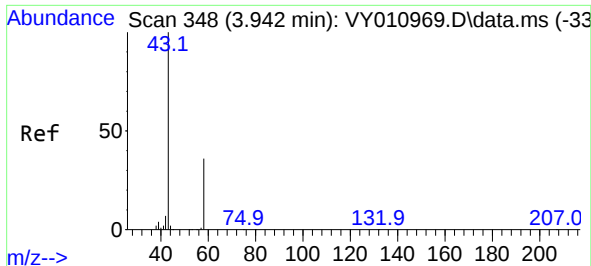
Tgt Ion: 56 Resp: 622
Ion Ratio Lower Upper
56 100
55 0.0 57.6 86.4#



#15
Acrylonitrile
Concen: 2.254 ug/l
RT: 5.162 min Scan# 548
Delta R.T. 0.006 min
Lab File: VY010972.D
Acq: 17 Oct 2022 13:51

Tgt Ion: 53 Resp: 1180
Ion Ratio Lower Upper
53 100
52 85.5 67.0 100.4
51 30.9 29.8 44.6

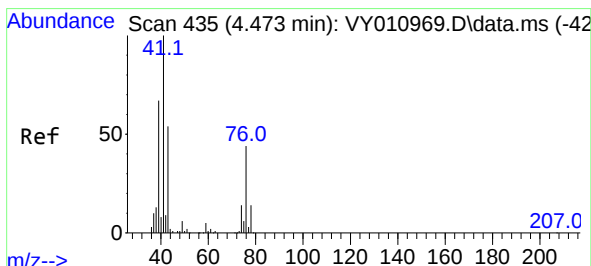
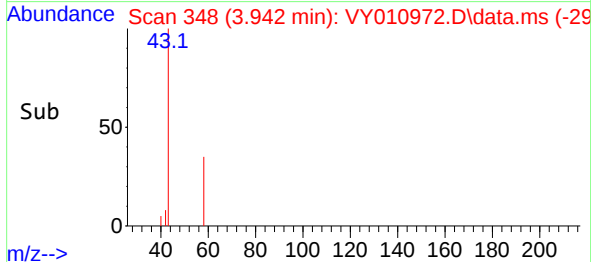
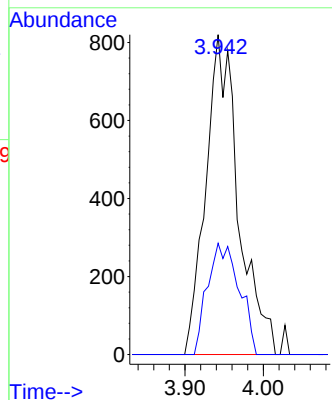
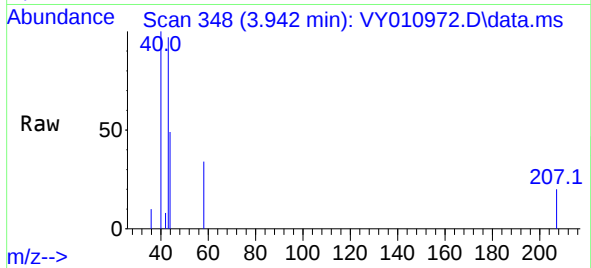




#16
Acetone
Concen: 5.228 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY010972.D
Acq: 17 Oct 2022 13:51

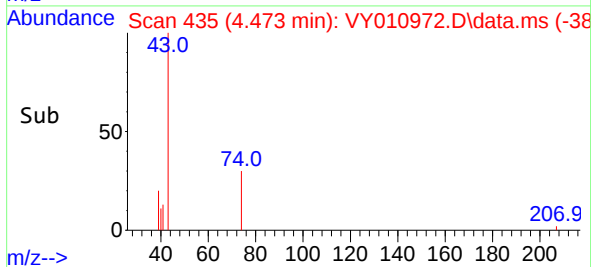
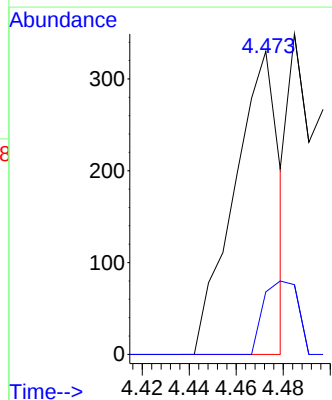
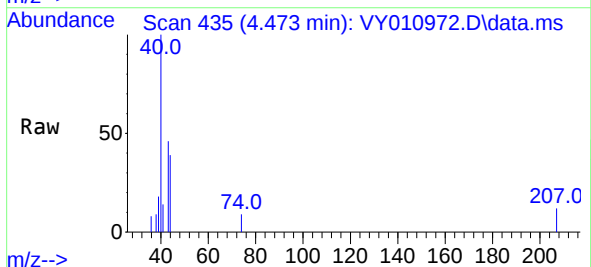
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

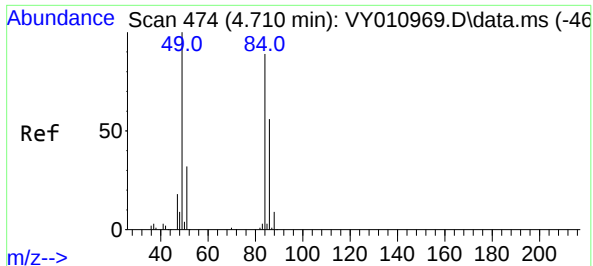
Tgt Ion: 43 Resp: 2384
Ion Ratio Lower Upper
43 100
58 34.8 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.473 min Scan# 435
Delta R.T. -0.000 min
Lab File: VY010972.D
Acq: 17 Oct 2022 13:51

Tgt Ion: 43 Resp: 438
Ion Ratio Lower Upper
43 100
74 18.7 16.6 24.8



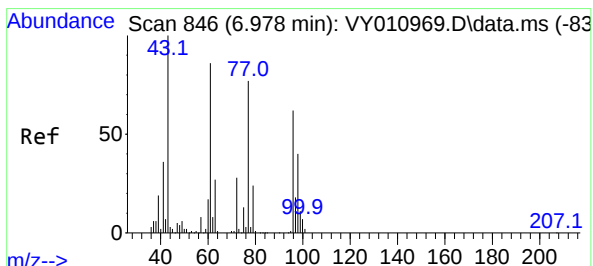
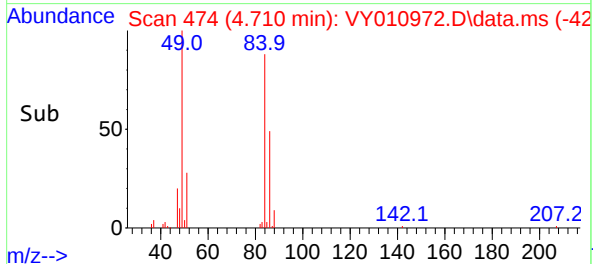
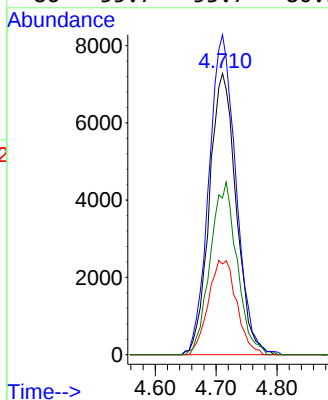
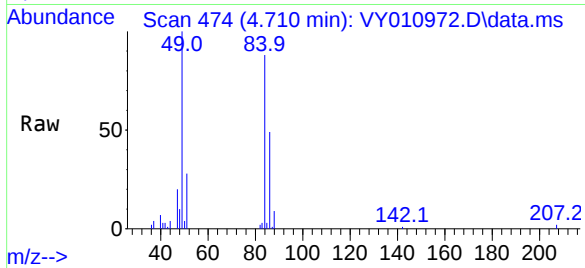


#20
Methylene Chloride
Concen: 5.593 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY010972.D
Acq: 17 Oct 2022 13:51

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion: 84 Resp: 22266

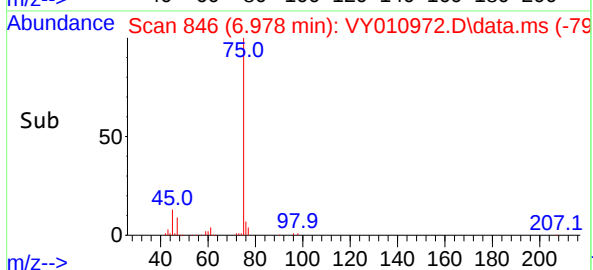
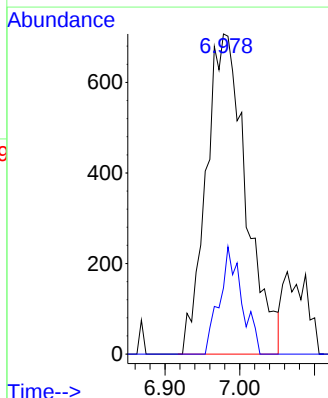
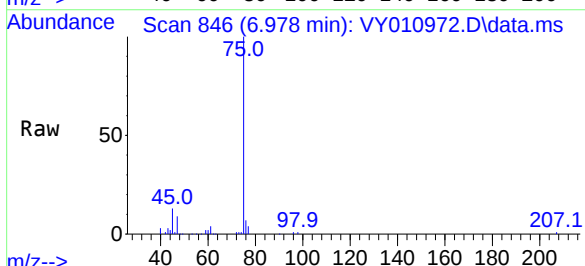
Ion	Ratio	Lower	Upper
84	100		
49	113.7	114.4	171.6#
51	32.3	35.3	52.9#
86	55.7	53.7	80.5

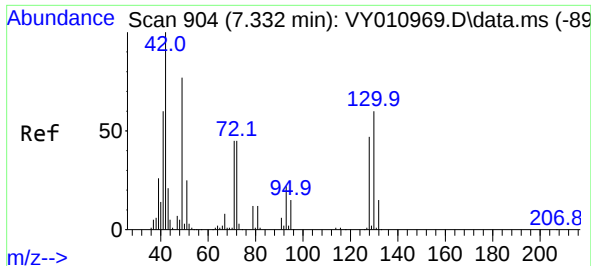


#25
2-Butanone
Concen: 3.785 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY010972.D
Acq: 17 Oct 2022 13:51

Tgt Ion: 43 Resp: 2618

Ion	Ratio	Lower	Upper
43	100		
72	20.7	17.7	26.5





#28

Bromochloromethane

Concen: 3.751 ug/l

RT: 7.332 min Scan# 904

Delta R.T. -0.000 min

Lab File: VY010972.D

Acq: 17 Oct 2022 13:51

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

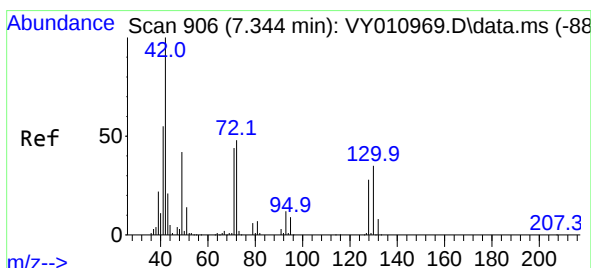
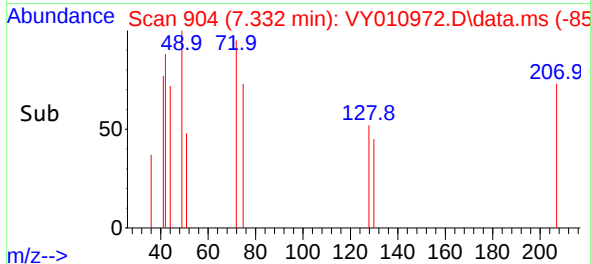
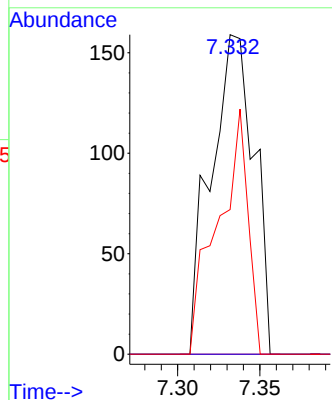
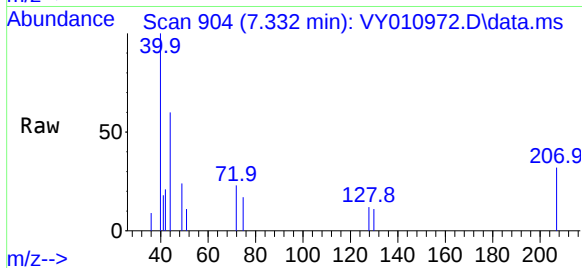
Tgt Ion: 49 Resp: 291

Ion Ratio Lower Upper

49 100

129 0.0 0.0 2.2

130 53.6 55.4 83.0#



#29

Tetrahydrofuran

Concen: 1.450 ug/l

RT: 7.338 min Scan# 905

Delta R.T. -0.006 min

Lab File: VY010972.D

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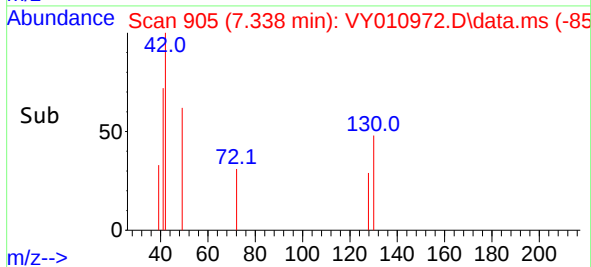
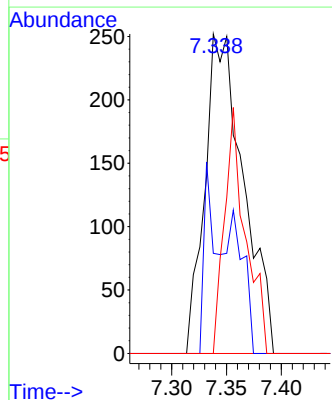
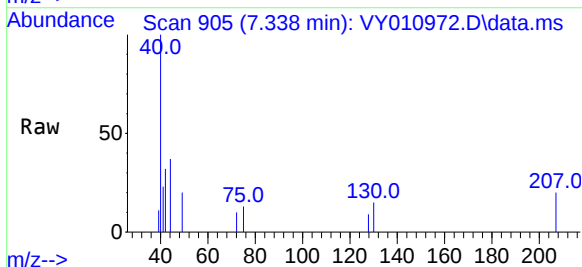
Tgt Ion: 42 Resp: 617

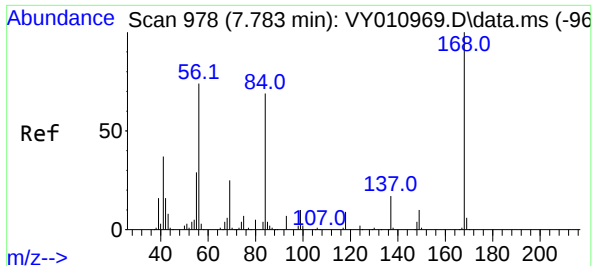
Ion Ratio Lower Upper

42 100

72 18.3 30.3 45.5#

71 0.0 29.0 43.4#

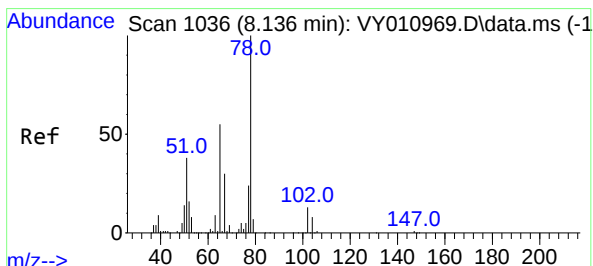
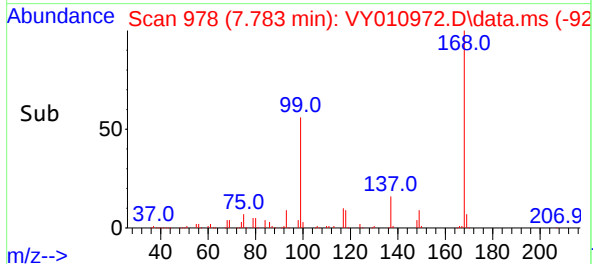
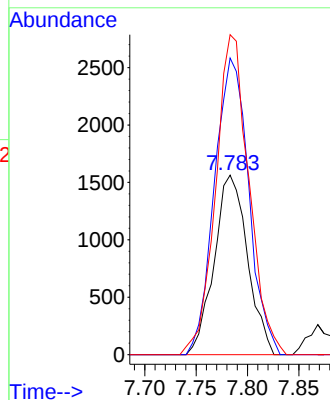
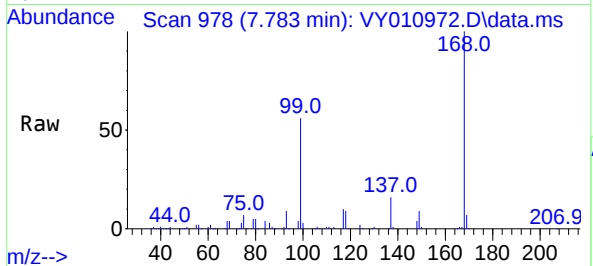




#31
Cyclohexane
Concen: 1.173 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010972.D
Acq: 17 Oct 2022 13:51

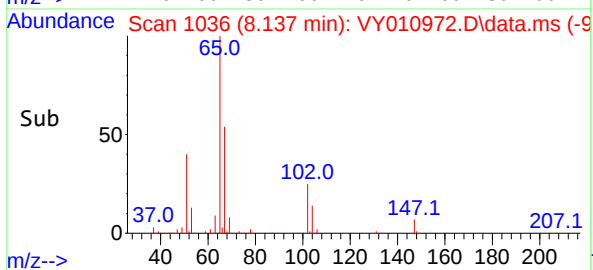
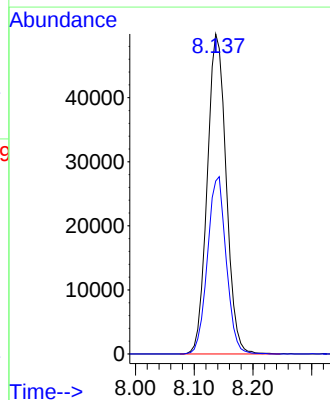
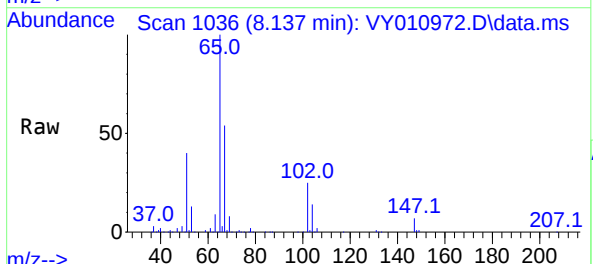
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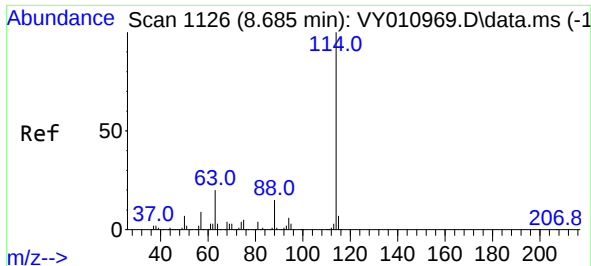
Tgt Ion: 56 Resp: 3525
Ion Ratio Lower Upper
56 100
69 165.3 26.7 40.1#
84 178.3 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 71.146 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY010972.D
Acq: 17 Oct 2022 13:51

Tgt Ion: 65 Resp: 111727
Ion Ratio Lower Upper
65 100
67 54.9 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY010972.D

Acq: 17 Oct 2022 13:51

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

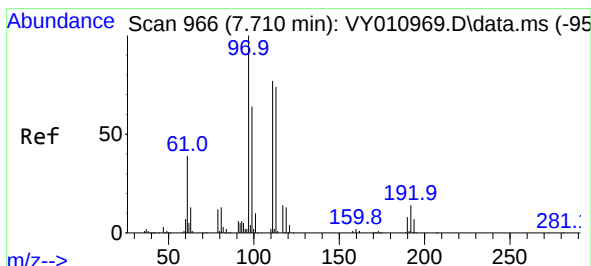
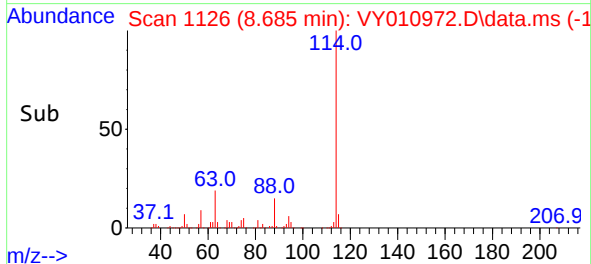
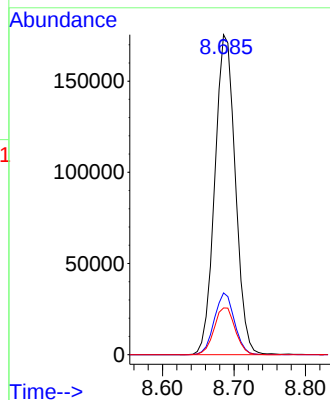
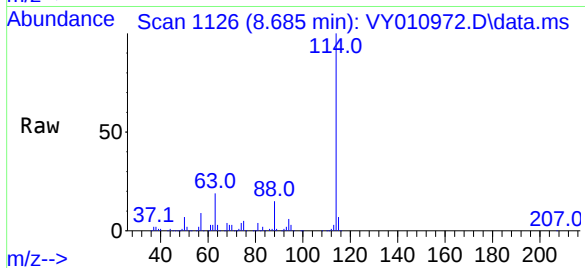
Tgt Ion:114 Resp: 349355

Ion Ratio Lower Upper

114 100

63 19.3 0.0 43.2

88 14.6 0.0 31.8



#35

Dibromofluoromethane

Concen: 57.472 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY010972.D

Acq: 17 Oct 2022 13:51

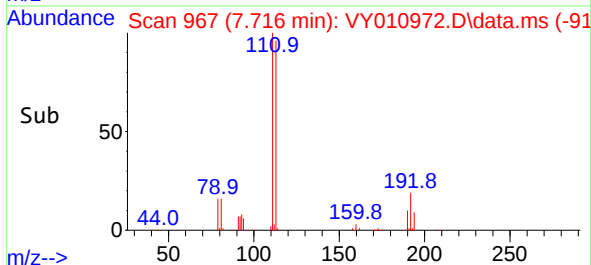
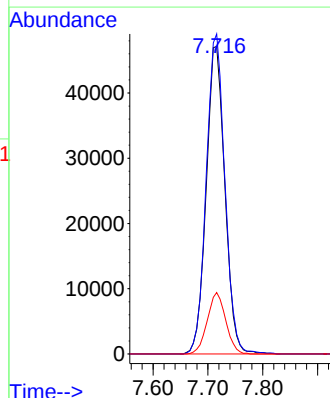
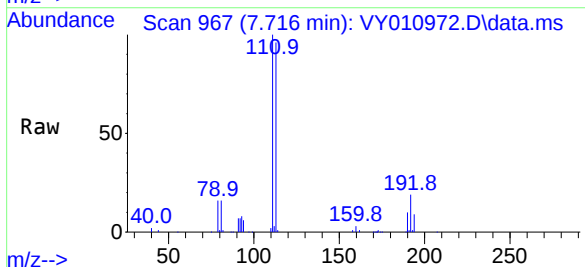
Tgt Ion:113 Resp: 111293

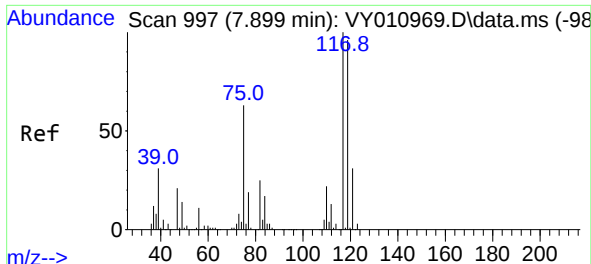
Ion Ratio Lower Upper

113 100

111 103.9 82.6 124.0

192 19.7 17.6 26.4

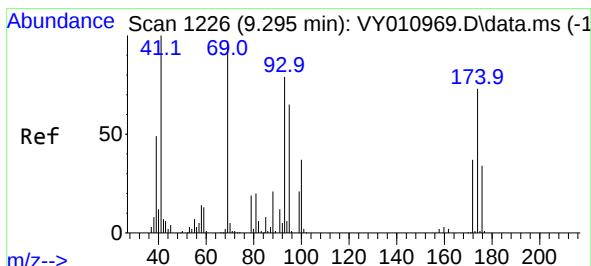
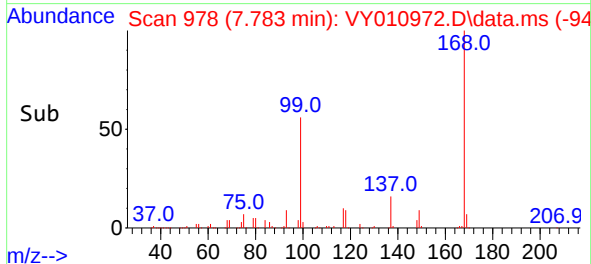
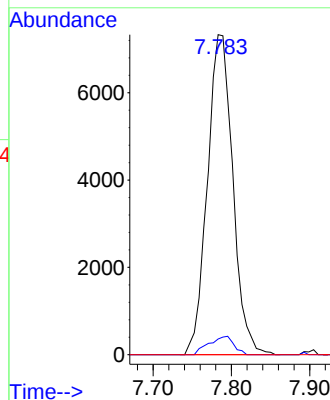
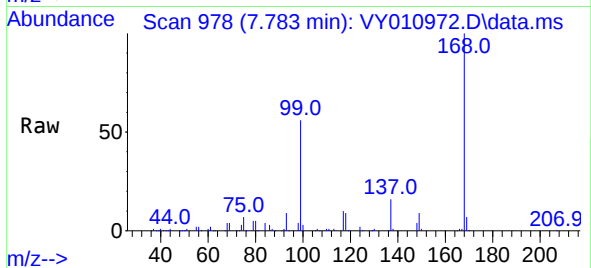




#38
Carbon Tetrachloride
Concen: 4.933 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY010972.D
Acq: 17 Oct 2022 13:51

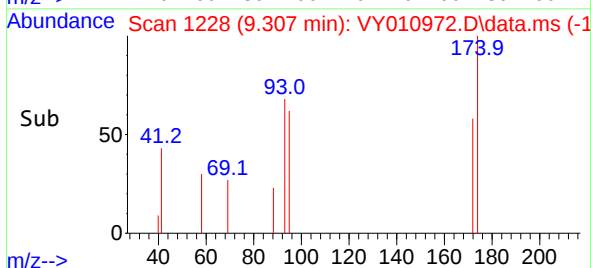
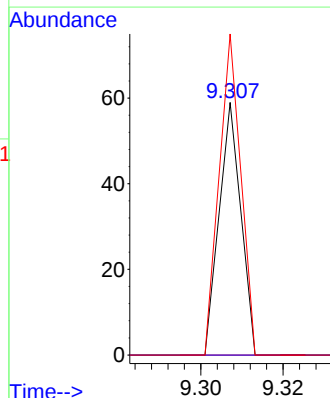
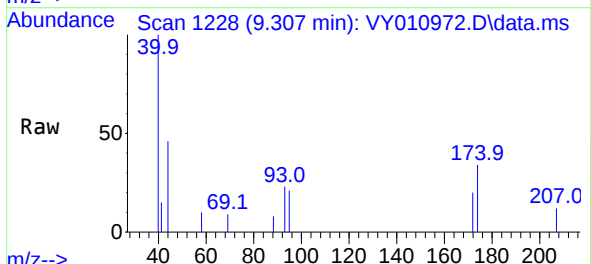
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

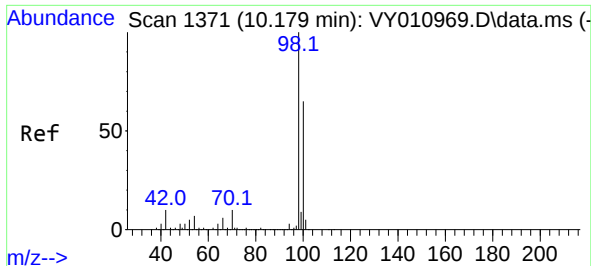
Tgt Ion:117 Resp: 16560
Ion Ratio Lower Upper
117 100
119 4.9 77.9 116.9#
121 0.0 24.8 37.2#



#49
1,4-Dioxane
Concen: 1.134 ug/l
RT: 9.307 min Scan# 1228
Delta R.T. 0.012 min
Lab File: VY010972.D
Acq: 17 Oct 2022 13:51

Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 0.0 32.8 49.2#
58 122.7 59.8 89.6#

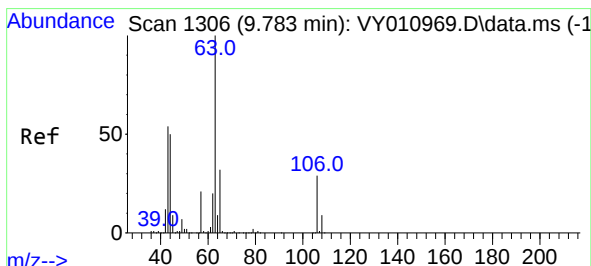
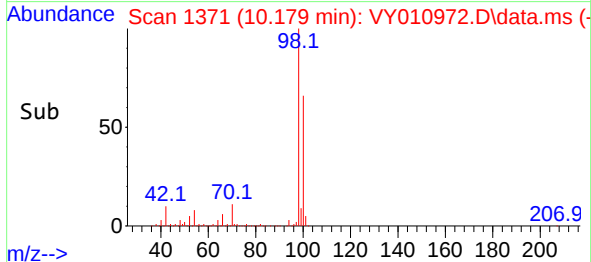
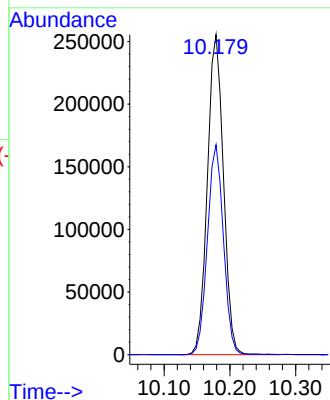
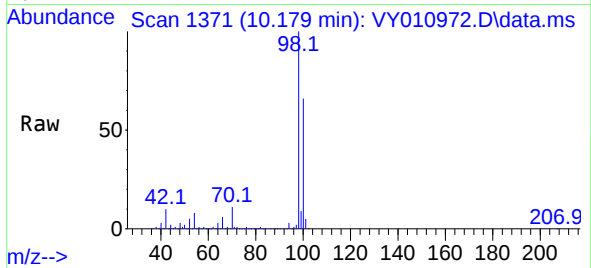




#50
Toluene-d8
Concen: 59.510 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010972.D
Acq: 17 Oct 2022 13:51

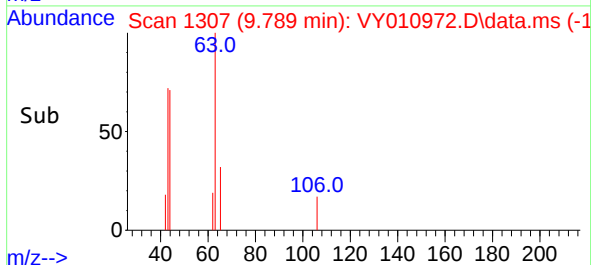
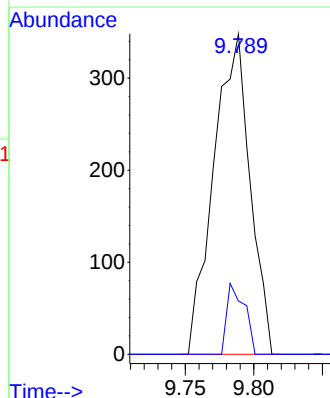
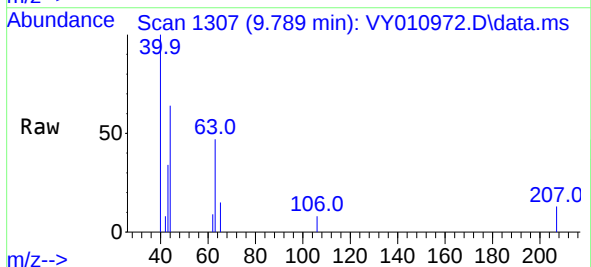
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

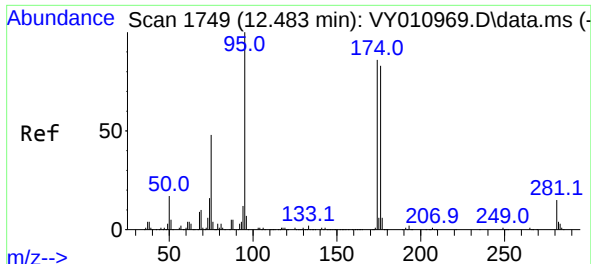
Tgt Ion: 98 Resp: 434098
Ion Ratio Lower Upper
98 100
100 65.4 50.2 75.2



#58
2-Chloroethyl Vinyl ether
Concen: 17.428 ug/l
RT: 9.789 min Scan# 1307
Delta R.T. 0.006 min
Lab File: VY010972.D
Acq: 17 Oct 2022 13:51

Tgt Ion: 63 Resp: 642
Ion Ratio Lower Upper
63 100
106 10.7 21.5 32.3#

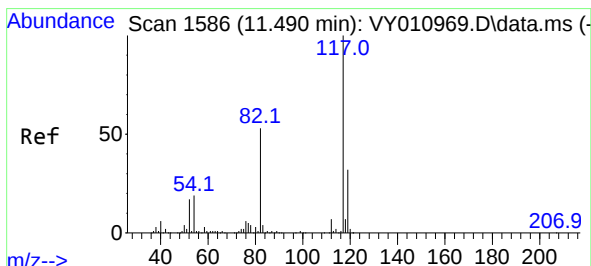
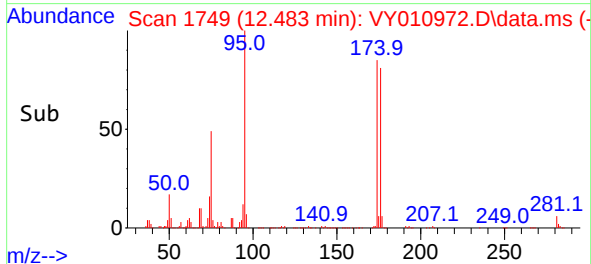
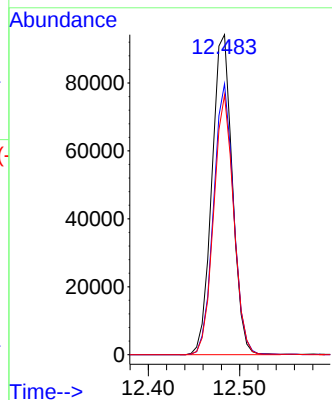
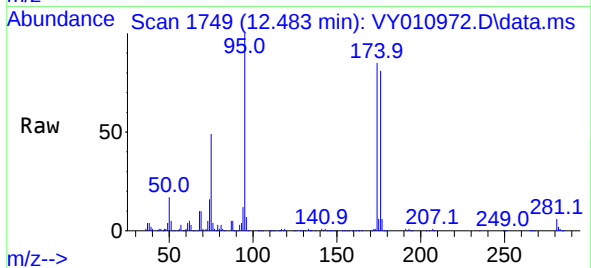




#62
4-Bromofluorobenzene
Concen: 57.038 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY010972.D
Acq: 17 Oct 2022 13:51

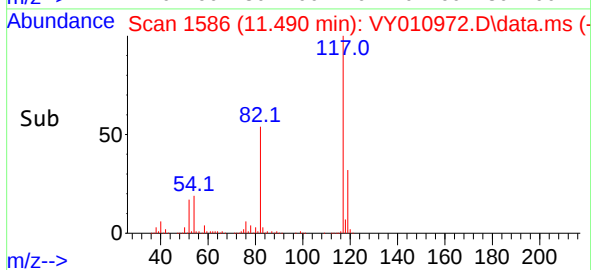
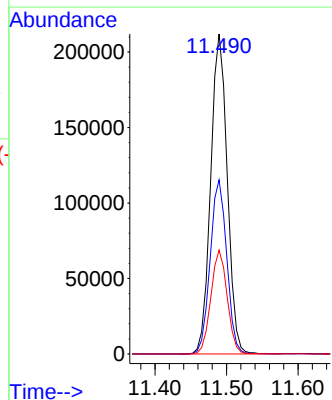
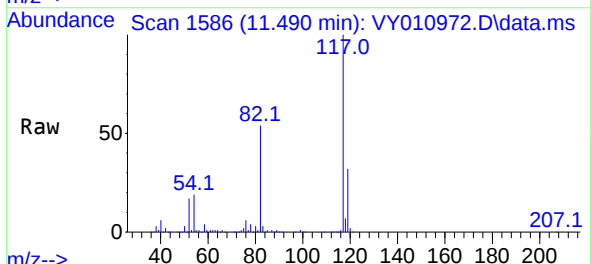
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

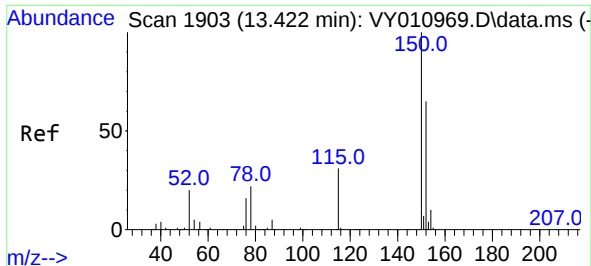
Tgt Ion: 95 Resp: 146264
Ion Ratio Lower Upper
95 100
174 82.8 0.0 177.0
176 79.3 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY010972.D
Acq: 17 Oct 2022 13:51

Tgt Ion: 117 Resp: 340993
Ion Ratio Lower Upper
117 100
82 54.4 43.0 64.4
119 32.5 25.4 38.0

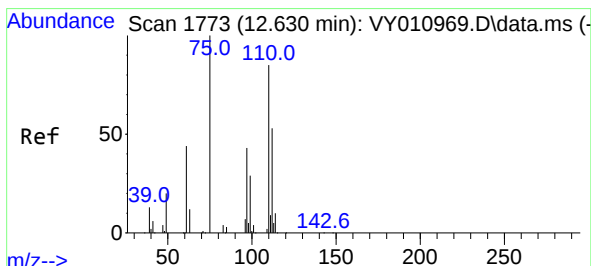
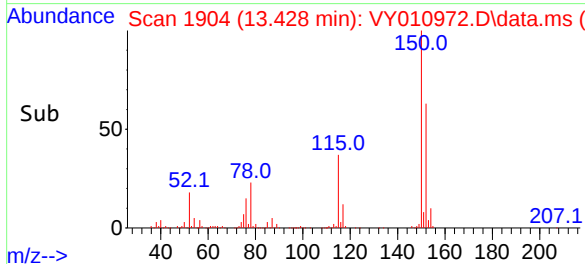
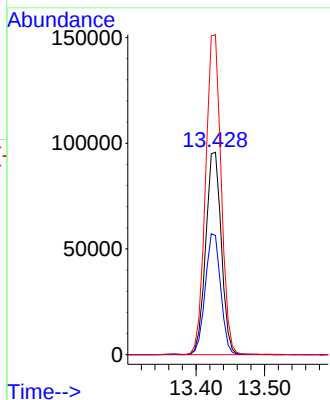
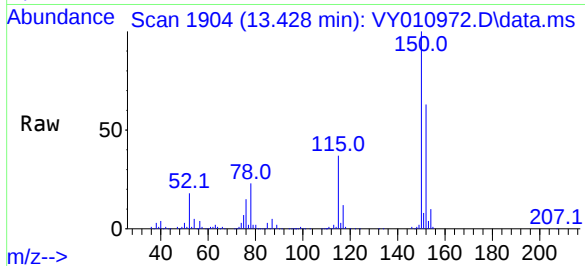




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 151
Delta R.T. 0.006 min
Lab File: VY010972.D
Acq: 17 Oct 2022 13:51

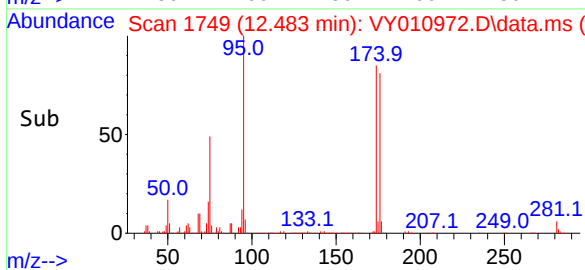
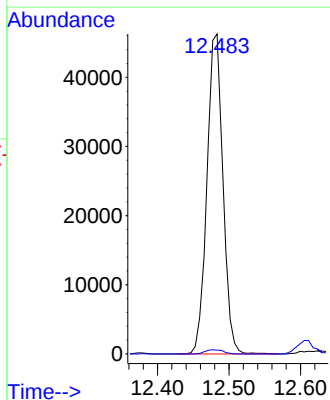
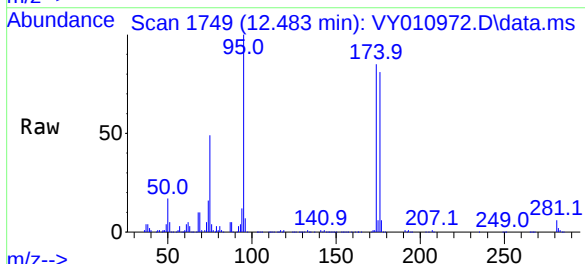
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

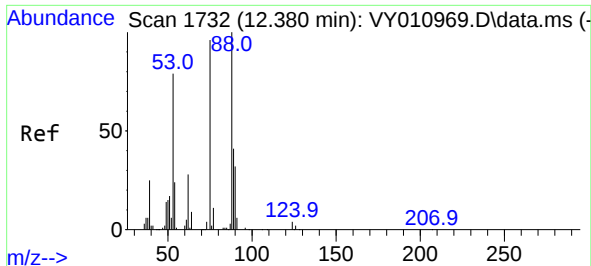
Tgt Ion:152 Resp: 151807
Ion Ratio Lower Upper
152 100
115 58.8 28.2 84.7
150 158.2 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 41.712 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY010972.D
Acq: 17 Oct 2022 13:51

Tgt Ion: 75 Resp: 71891
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#

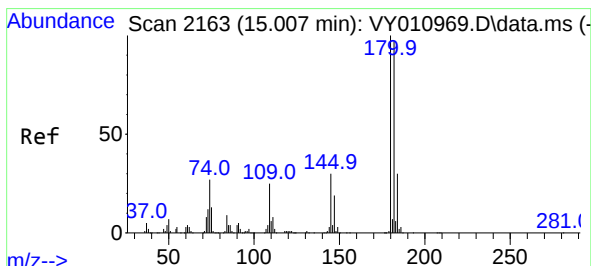
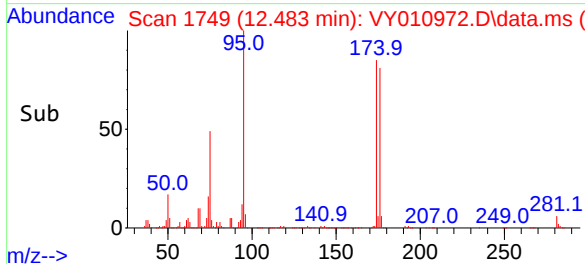
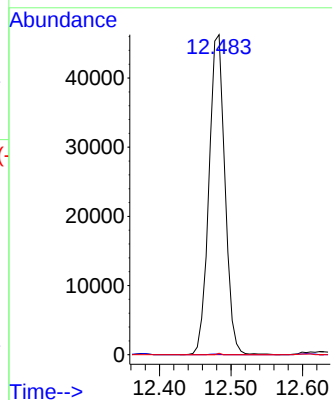
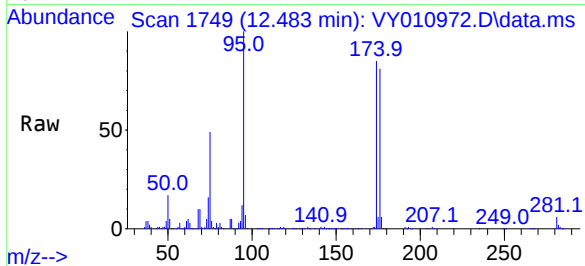




#81
trans-1,4-Dichloro-2-butene
Concen: 89.712 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY010972.D
Acq: 17 Oct 2022 13:51

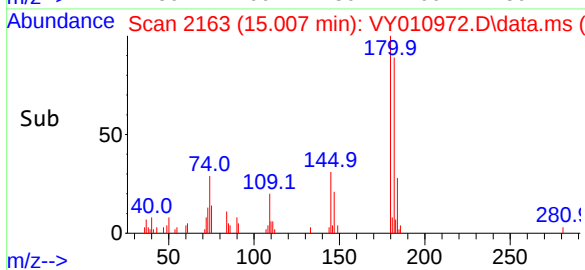
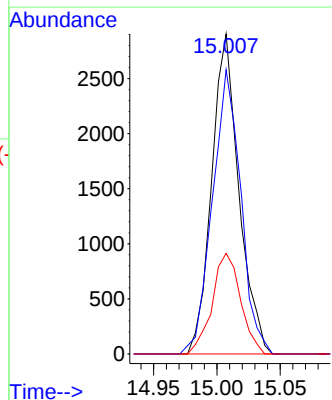
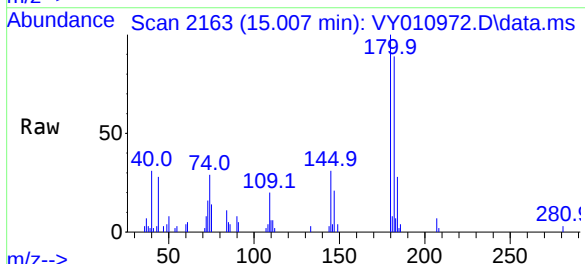
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

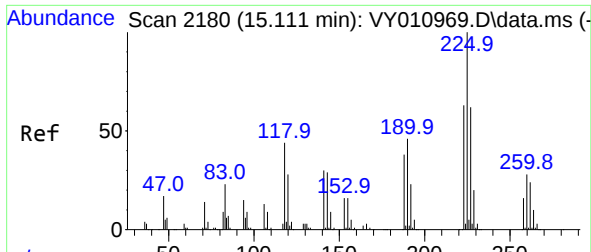
Tgt Ion: 75 Resp: 71891
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.1 37.0 55.4#



#93
1,2,4-Trichlorobenzene
Concen: 1.582 ug/l
RT: 15.007 min Scan# 2163
Delta R.T. 0.000 min
Lab File: VY010972.D
Acq: 17 Oct 2022 13:51

Tgt Ion:180 Resp: 4352
Ion Ratio Lower Upper
180 100
182 92.2 47.3 141.9
145 32.7 14.6 43.8

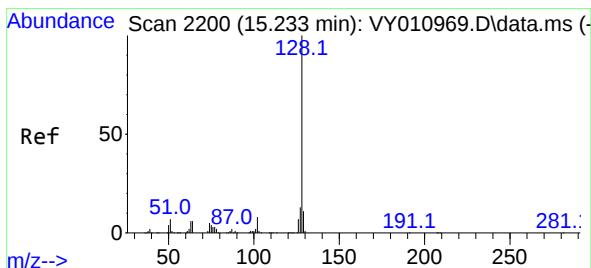
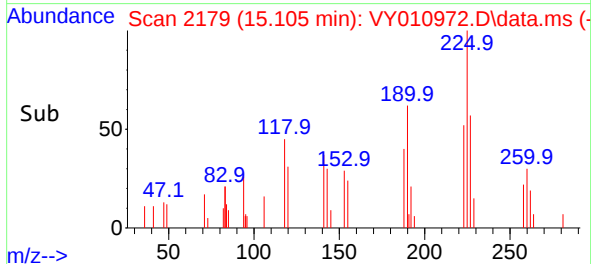
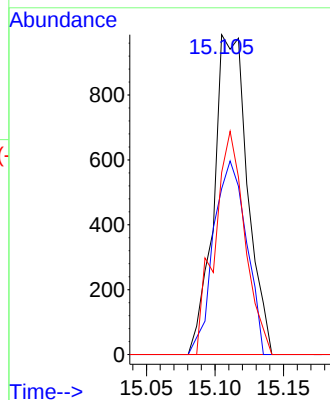
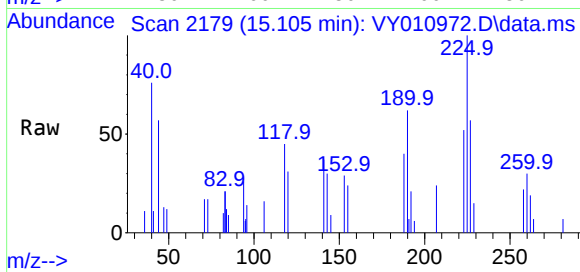




#94
Hexachlorobutadiene
Concen: 1.039 ug/l
RT: 15.105 min Scan# 2180
Delta R.T. -0.006 min
Lab File: VY010972.D
Acq: 17 Oct 2022 13:51

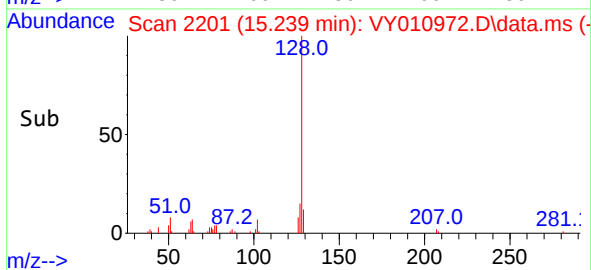
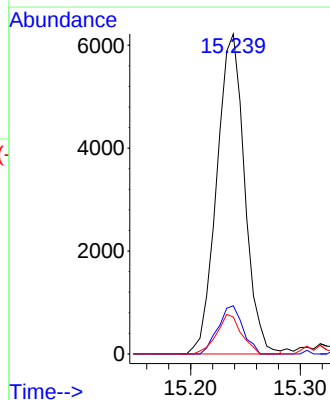
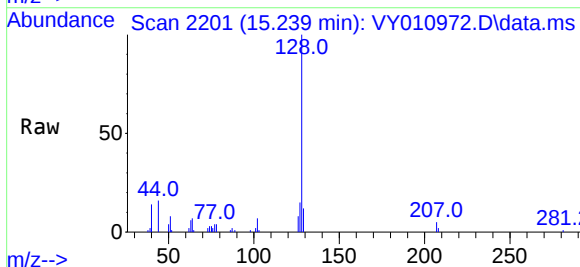
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

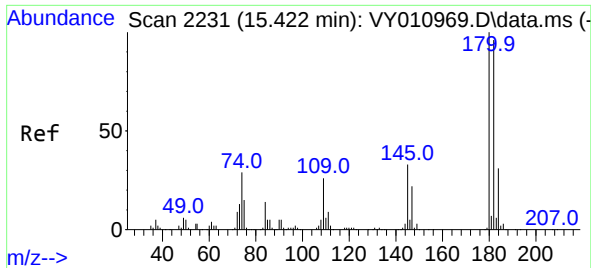
Tgt Ion:225 Resp: 1683
Ion Ratio Lower Upper
225 100
223 59.2 30.8 92.3
227 62.9 31.6 94.7



#95
Naphthalene
Concen: 1.959 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY010972.D
Acq: 17 Oct 2022 13:51

Tgt Ion:128 Resp: 10977
Ion Ratio Lower Upper
128 100
127 13.4 11.0 16.4
129 10.9 8.4 12.6





#96

1,2,3-Trichlorobenzene

Concen: 1.866 ug/l

RT: 15.428 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY010972.D

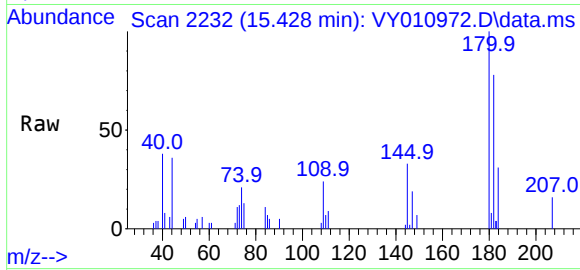
Acq: 17 Oct 2022 13:51

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK



Tgt Ion:180 Resp: 4478

Ion Ratio Lower Upper

180 100

182 89.5 47.3 141.9

145 34.3 15.3 45.9

