

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100523\
 Data File : VY015849.D
 Acq On : 05 Oct 2023 14:56
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Oct 06 05:59:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100523S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 05:54:04 2023
 Response via : Initial Calibration

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

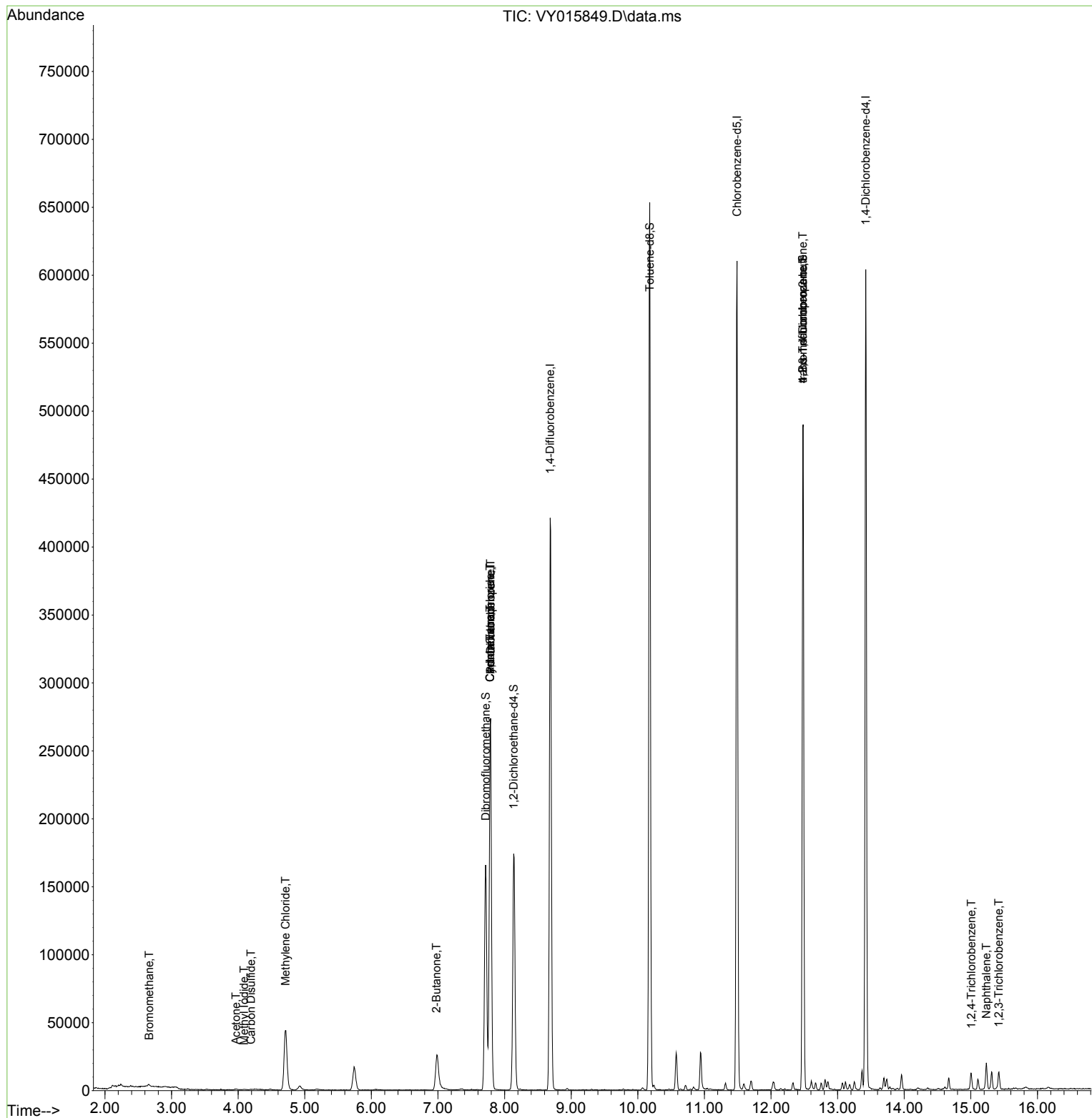
Internal Standards						
1) Pentafluorobenzene	7.789	168	215264	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	367998	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	337277	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	156171	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	136674	64.534	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 129.060%	
35) Dibromofluoromethane	7.716	113	118453	56.471	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.940%	
50) Toluene-d8	10.179	98	434724	63.833	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 127.660%	
62) 4-Bromofluorobenzene	12.477	95	151016	54.249	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 108.500%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.662	94	906	1.677	ug/l	88
10) Methyl Iodide	4.088	142	1088	3.746	ug/l #	88
11) Tert butyl alcohol	4.911	59	3536	Below Cal	#	89
16) Acetone	3.966	43	1485	1.353	ug/l	95
17) Carbon Disulfide	4.192	76	500	3.126	ug/l #	76
20) Methylene Chloride	4.710	84	34703	9.283	ug/l	92
25) 2-Butanone	6.978	43	1981	1.313	ug/l	97
31) Cyclohexane	7.783	56	4454	1.866	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	16367	6.540	ug/l #	50
38) Carbon Tetrachloride	7.783	117	21398	7.272	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	78347	33.889	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	78347	78.449	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.007	180	4049	1.318	ug/l	99
95) Naphthalene	15.233	128	16572	2.023	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	4564	1.586	ug/l	93

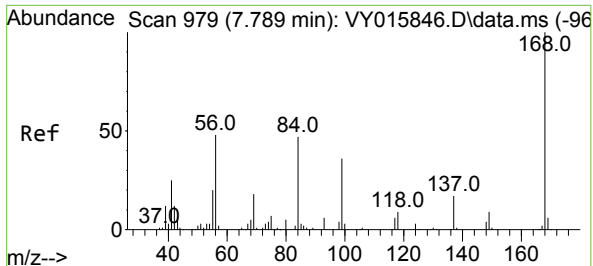
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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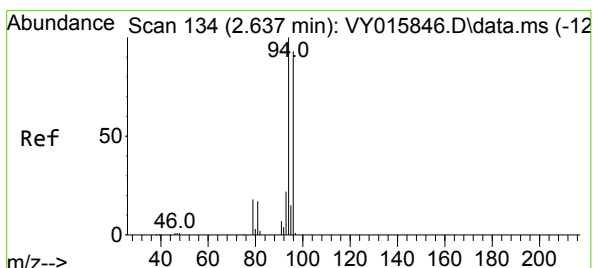
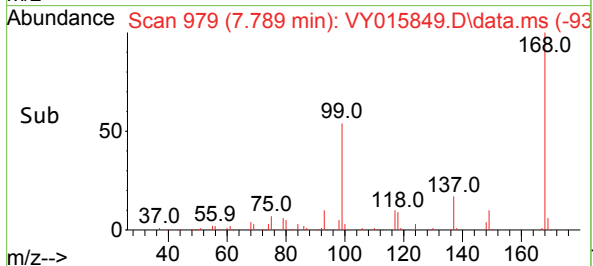
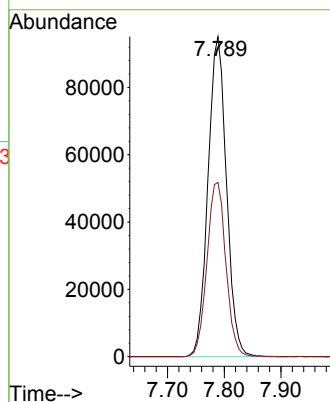
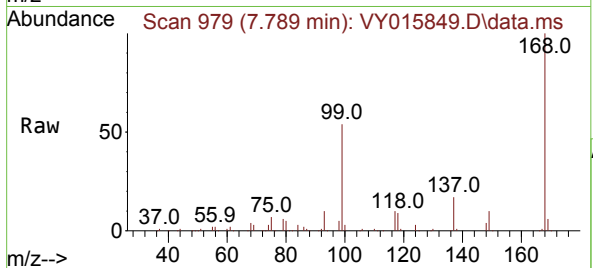




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015849.D
Acq: 05 Oct 2023 14:56

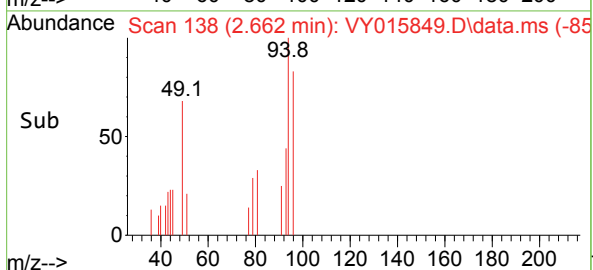
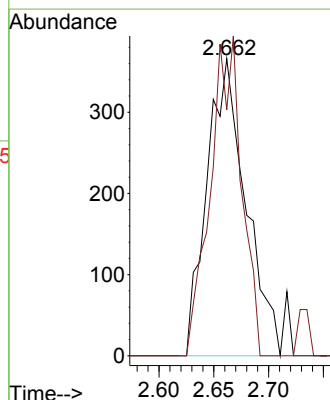
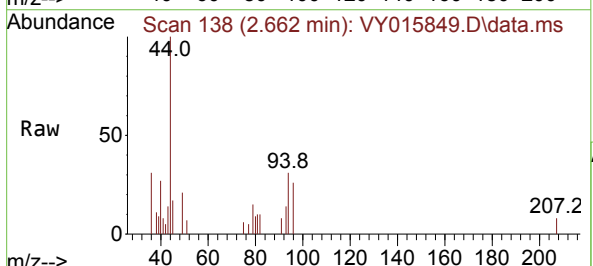
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

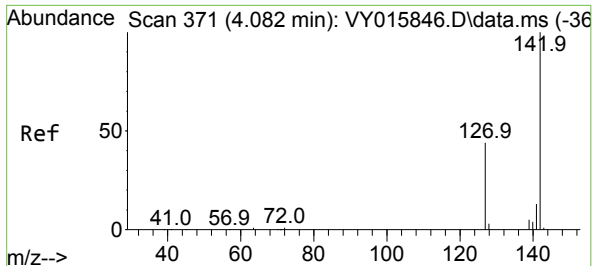
Tgt Ion:168 Resp: 215264
Ion Ratio Lower Upper
168 100
99 54.5 43.4 65.0



#5
Bromomethane
Concen: 1.677 ug/l
RT: 2.662 min Scan# 138
Delta R.T. 0.025 min
Lab File: VY015849.D
Acq: 05 Oct 2023 14:56

Tgt Ion: 94 Resp: 906
Ion Ratio Lower Upper
94 100
96 82.8 75.8 113.6

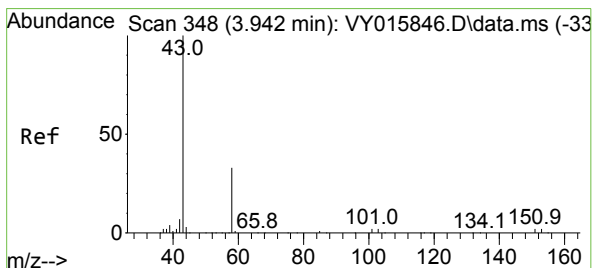
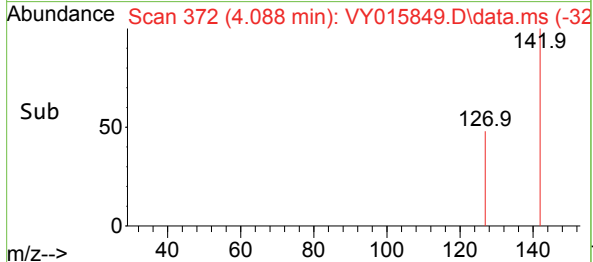
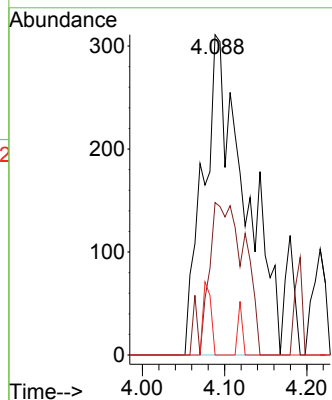
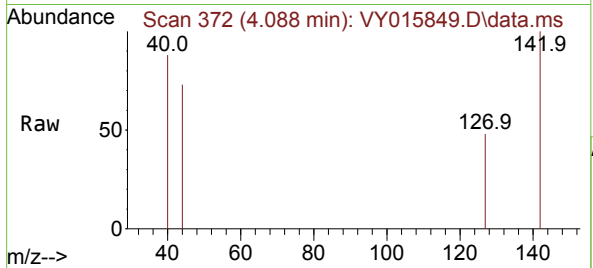




#10
Methyl Iodide
Concen: 3.746 ug/l
RT: 4.088 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY015849.D
Acq: 05 Oct 2023 14:56

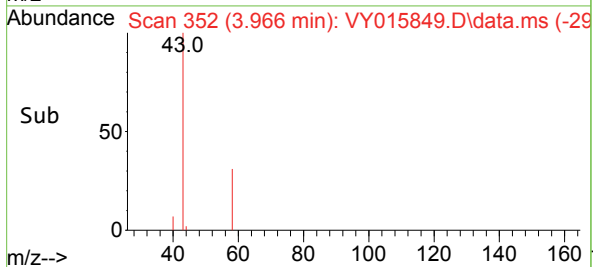
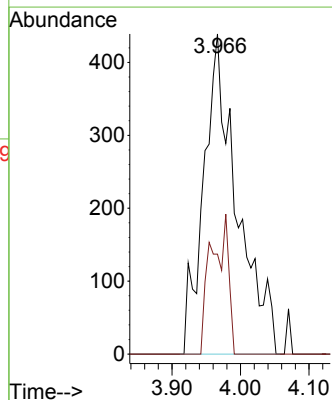
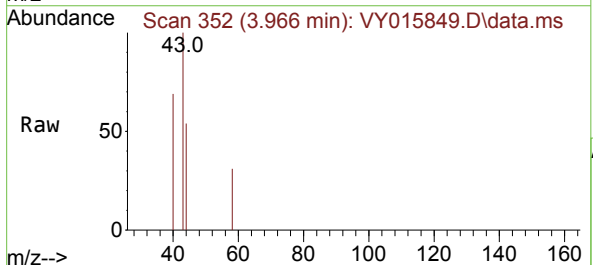
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

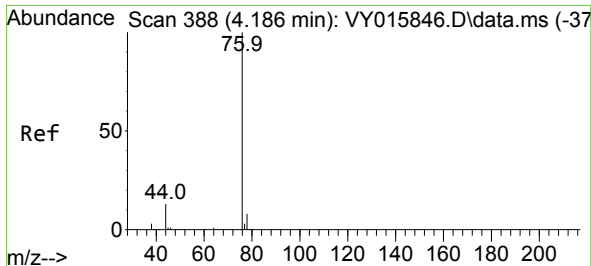
Tgt Ion:142 Resp: 1088
Ion Ratio Lower Upper
142 100
127 41.7 37.6 56.4
141 4.3 11.8 17.8#



#16
Acetone
Concen: 1.353 ug/l
RT: 3.966 min Scan# 352
Delta R.T. 0.024 min
Lab File: VY015849.D
Acq: 05 Oct 2023 14:56

Tgt Ion: 43 Resp: 1485
Ion Ratio Lower Upper
43 100
58 31.2 22.7 34.1





#17

Carbon Disulfide

Concen: 3.126 ug/l

RT: 4.192 min Scan# 389

Delta R.T. 0.006 min

Lab File: VY015849.D

Acq: 05 Oct 2023 14:56

Instrument :

MSVOA_Y

ClientSampleId :

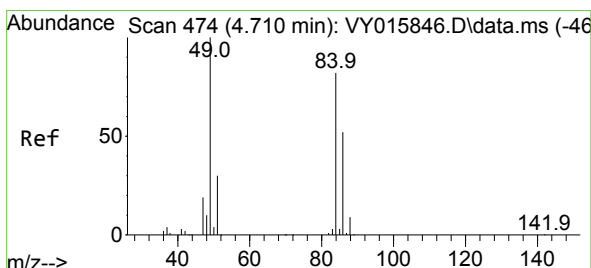
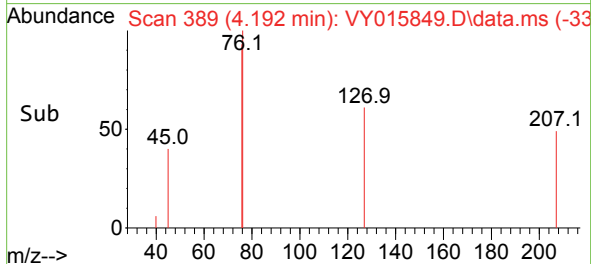
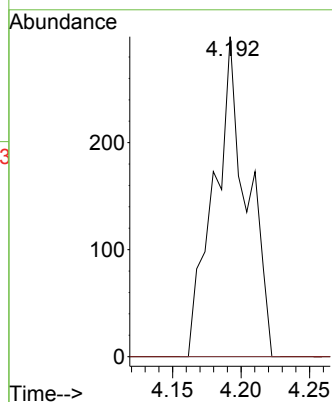
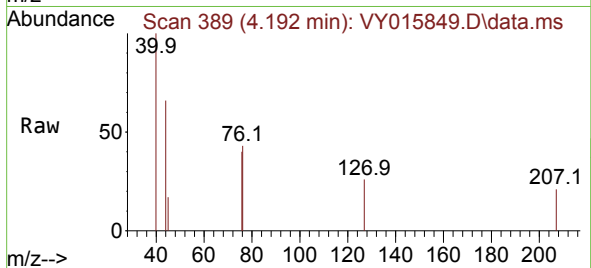
VIBLK

Tgt Ion: 76 Resp: 500

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#



#20

Methylene Chloride

Concen: 9.283 ug/l

RT: 4.710 min Scan# 474

Delta R.T. 0.000 min

Lab File: VY015849.D

Acq: 05 Oct 2023 14:56

Tgt Ion: 84 Resp: 34703

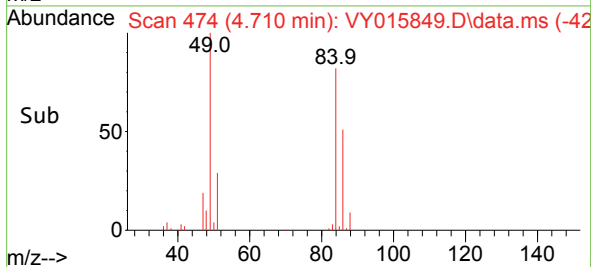
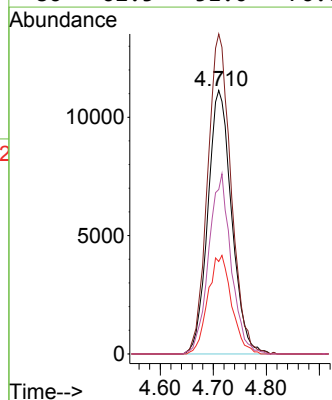
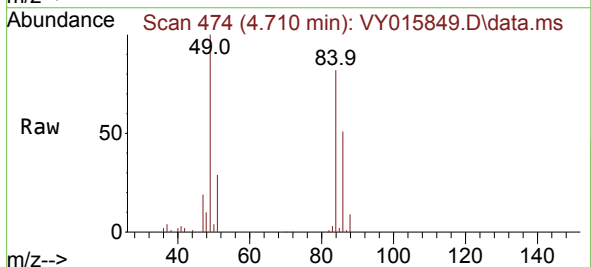
Ion Ratio Lower Upper

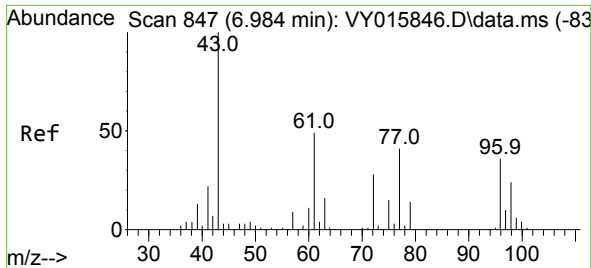
84 100

49 121.5 106.9 160.3

51 35.1 33.2 49.8

86 62.5 51.0 76.6

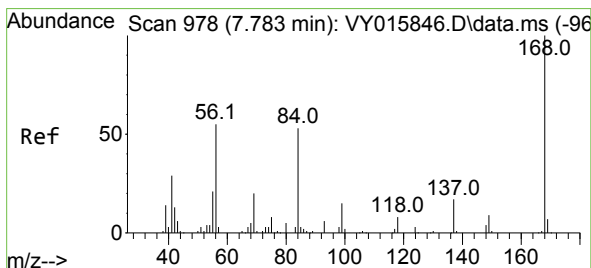
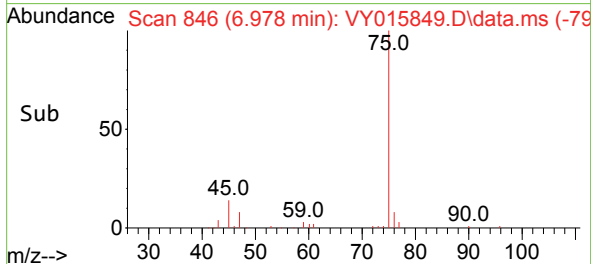
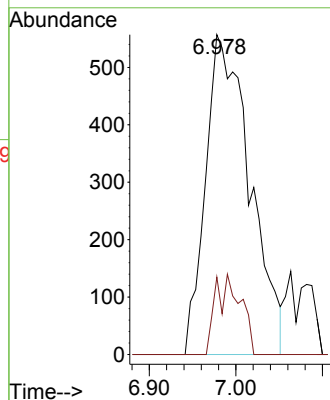
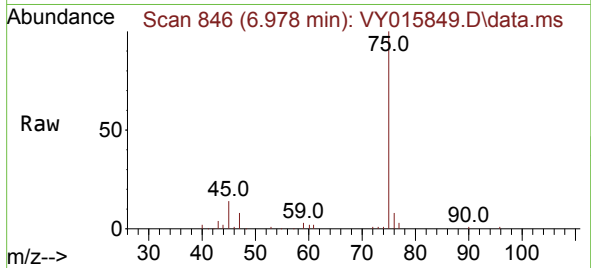




#25
2-Butanone
Concen: 1.313 ug/l
RT: 6.978 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY015849.D
Acq: 05 Oct 2023 14:56

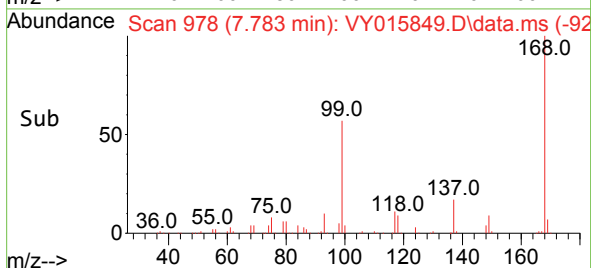
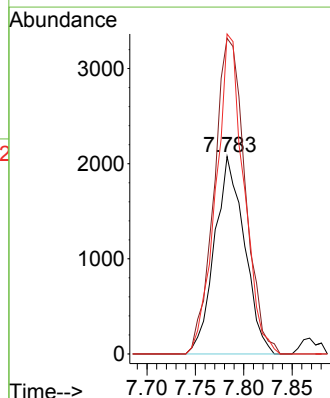
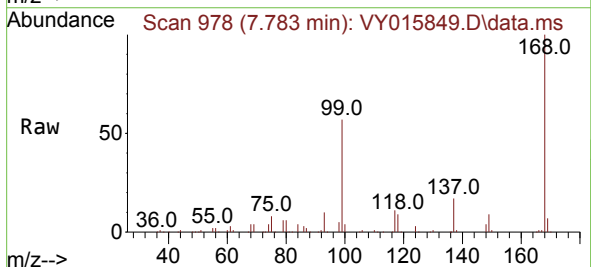
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

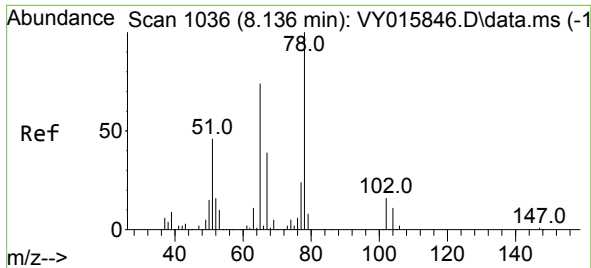
Tgt Ion: 43 Resp: 1981
Ion Ratio Lower Upper
43 100
72 24.2 20.5 30.7



#31
Cyclohexane
Concen: 1.866 ug/l
RT: 7.783 min Scan# 978
Delta R.T. 0.000 min
Lab File: VY015849.D
Acq: 05 Oct 2023 14:56

Tgt Ion: 56 Resp: 4454
Ion Ratio Lower Upper
56 100
69 159.8 27.8 41.6#
84 162.0 66.4 99.6#

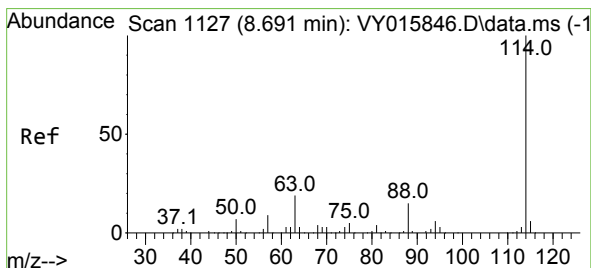
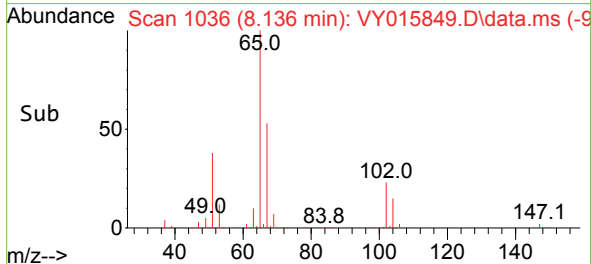
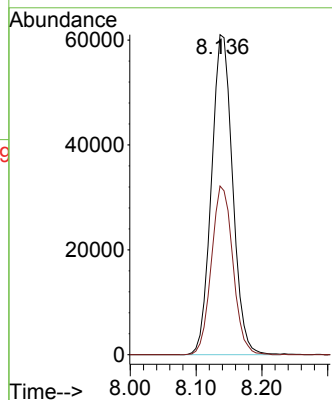
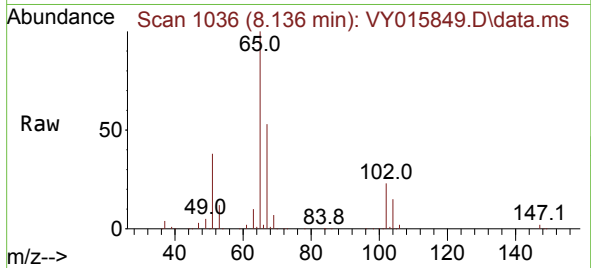




#33
 1,2-Dichloroethane-d4
 Concen: 64.534 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VY015849.D
 Acq: 05 Oct 2023 14:56

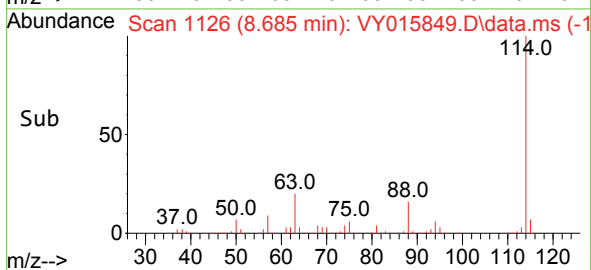
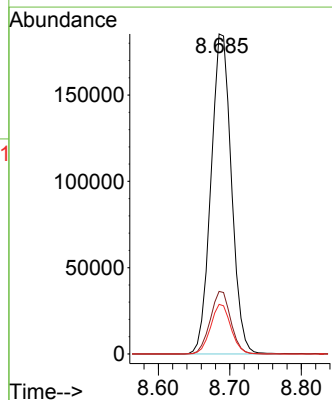
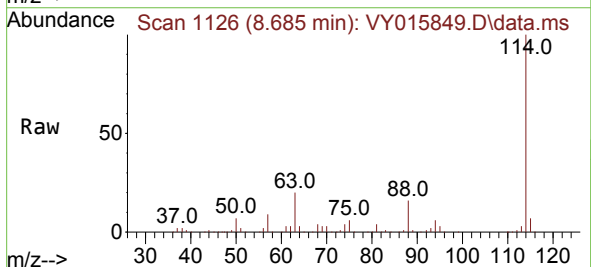
Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

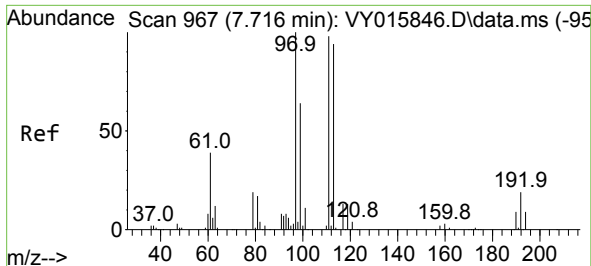
Tgt Ion: 65 Resp: 136674
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. -0.006 min
 Lab File: VY015849.D
 Acq: 05 Oct 2023 14:56

Tgt Ion:114 Resp: 367998
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 42.4
 88 15.5 0.0 30.6

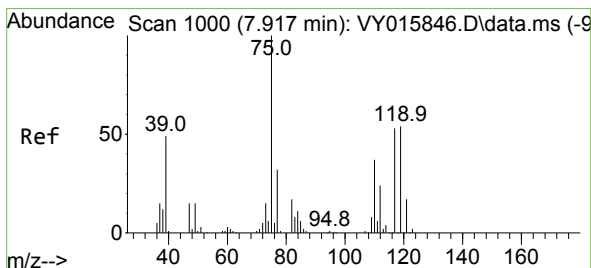
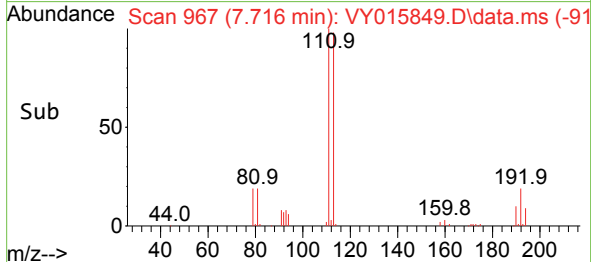
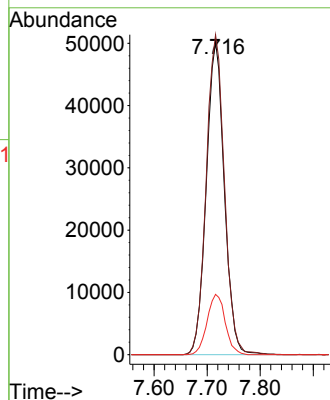
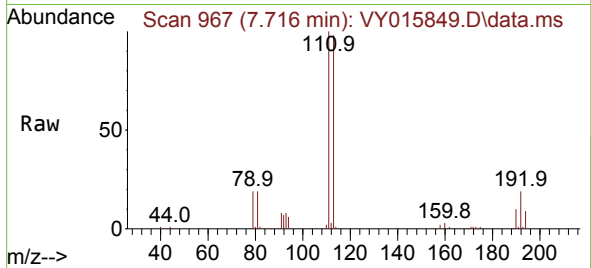




#35
Dibromofluoromethane
Concen: 56.471 ug/l
RT: 7.716 min Scan# 911
Delta R.T. 0.000 min
Lab File: VY015849.D
Acq: 05 Oct 2023 14:56

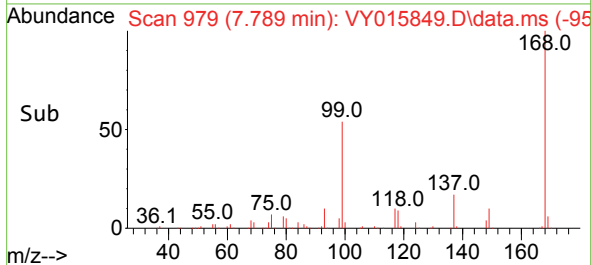
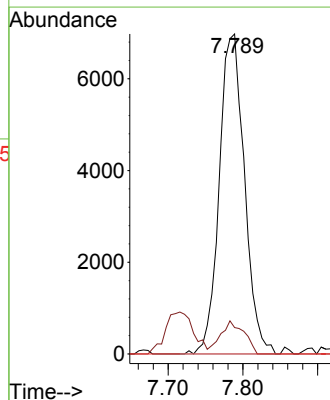
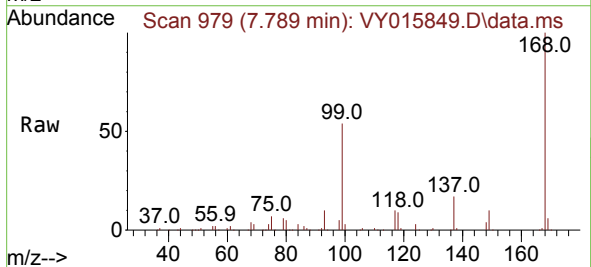
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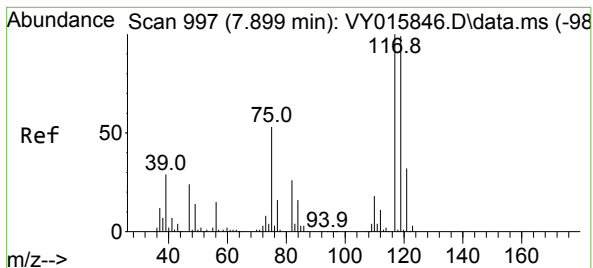
Tgt Ion:113 Resp: 118453
Ion Ratio Lower Upper
113 100
111 103.5 81.3 121.9
192 19.4 16.9 25.3



#36
1,1-Dichloropropene
Concen: 6.540 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY015849.D
Acq: 05 Oct 2023 14:56

Tgt Ion: 75 Resp: 16367
Ion Ratio Lower Upper
75 100
110 9.7 17.8 53.5#
77 0.0 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 7.272 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.116 min

Lab File: VY015849.D

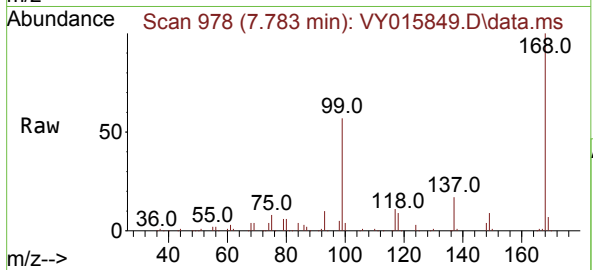
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Instrument :

MSVOA_Y

ClientSampleId :

VIBLK



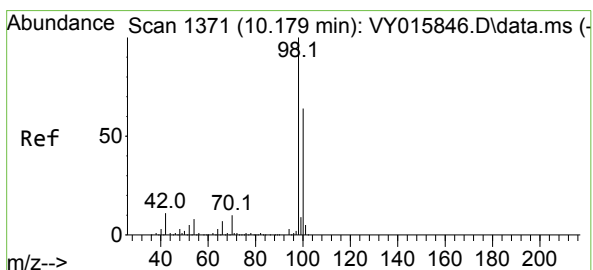
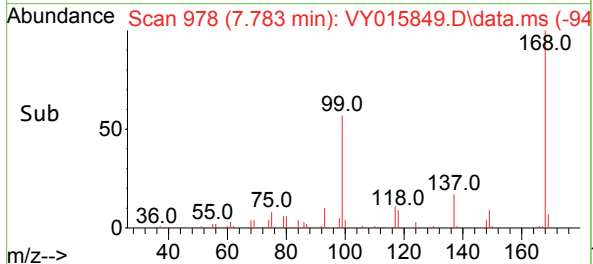
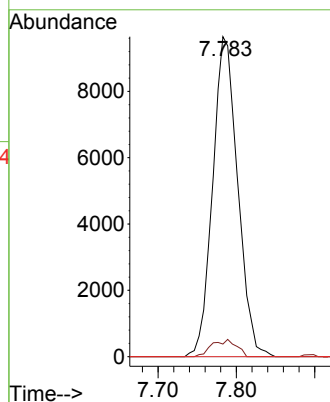
Tgt Ion:117 Resp: 21398

Ion Ratio Lower Upper

117 100

119 4.0 76.4 114.6#

121 0.0 25.8 38.6#



#50

Toluene-d8

Concen: 63.833 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY015849.D

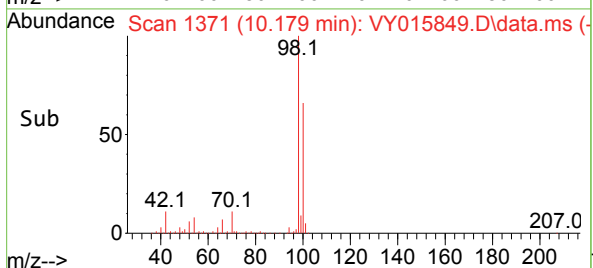
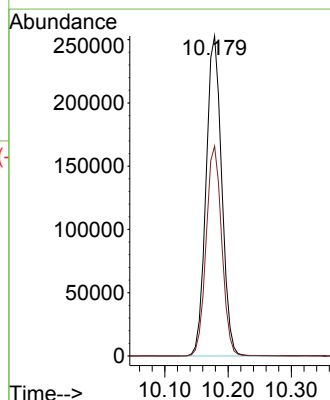
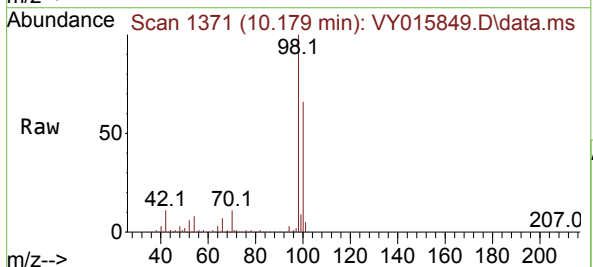
Acq: 05 Oct 2023 14:56

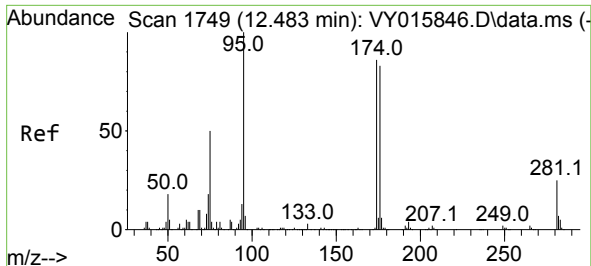
Tgt Ion: 98 Resp: 434724

Ion Ratio Lower Upper

98 100

100 65.4 50.1 75.1

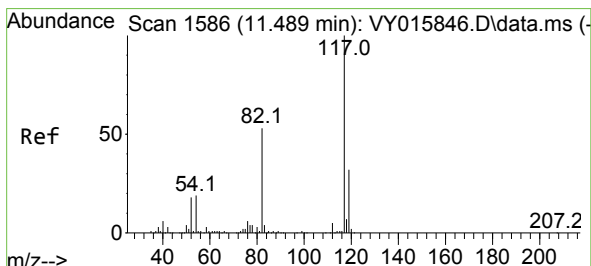
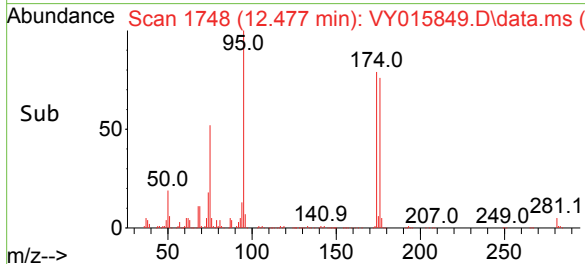
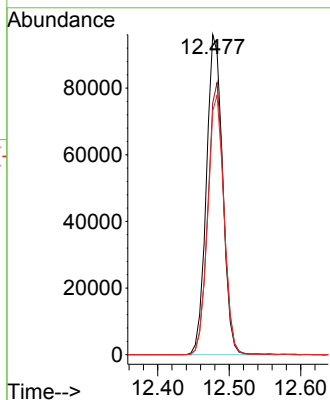
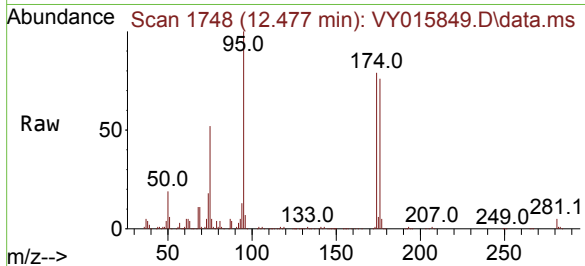




#62
4-Bromofluorobenzene
Concen: 54.249 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY015849.D
Acq: 05 Oct 2023 14:56

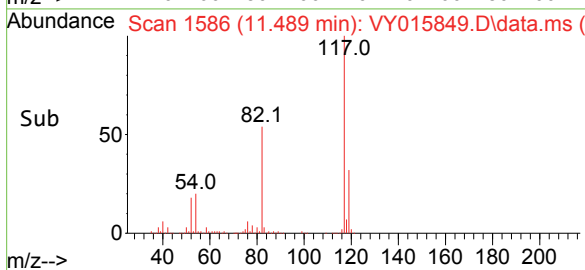
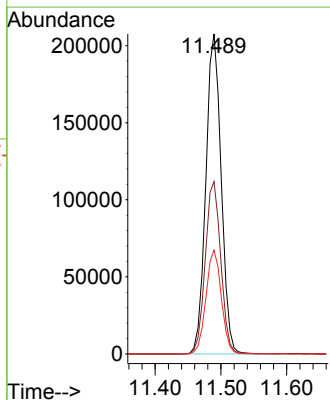
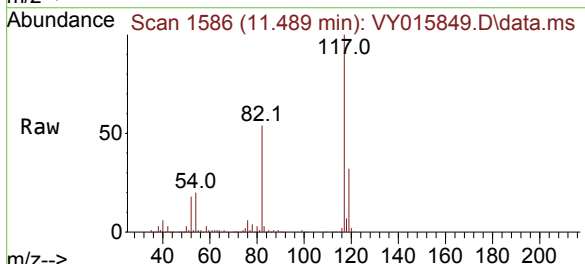
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

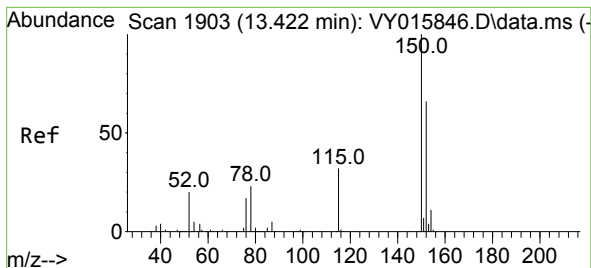
Tgt Ion: 95 Resp: 151016
Ion Ratio Lower Upper
95 100
174 83.9 0.0 178.2
176 80.8 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015849.D
Acq: 05 Oct 2023 14:56

Tgt Ion: 117 Resp: 337277
Ion Ratio Lower Upper
117 100
82 53.9 43.4 65.0
119 32.4 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY015849.D

Acq: 05 Oct 2023 14:56

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

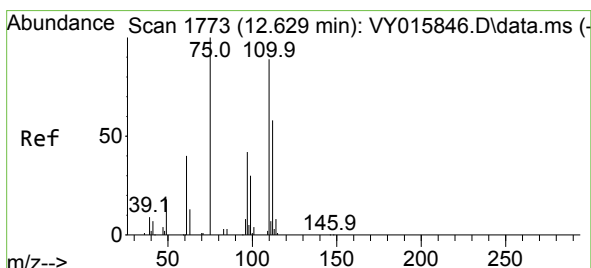
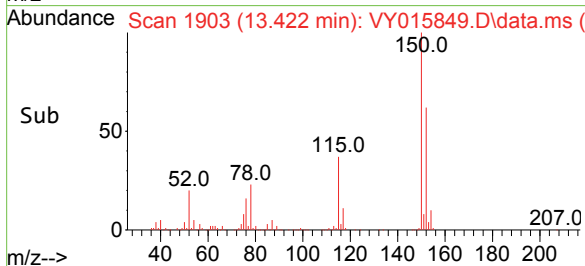
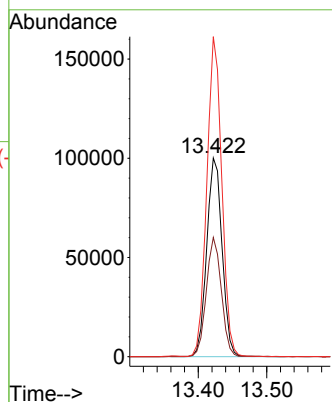
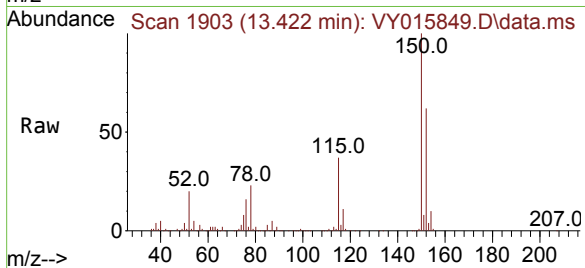
Tgt Ion:152 Resp: 156171

Ion Ratio Lower Upper

152 100

115 58.9 28.8 86.5

150 156.6 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 33.889 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY015849.D

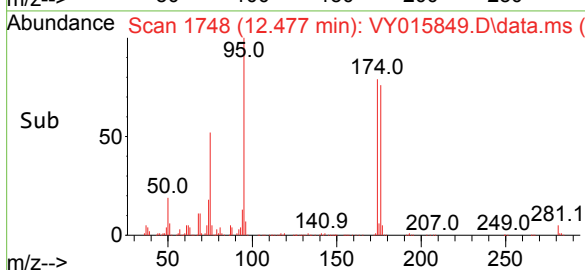
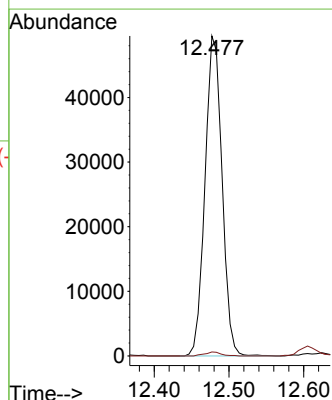
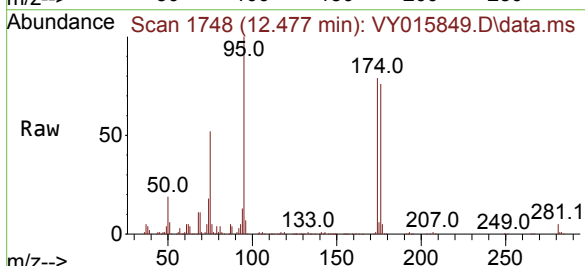
Acq: 05 Oct 2023 14:56

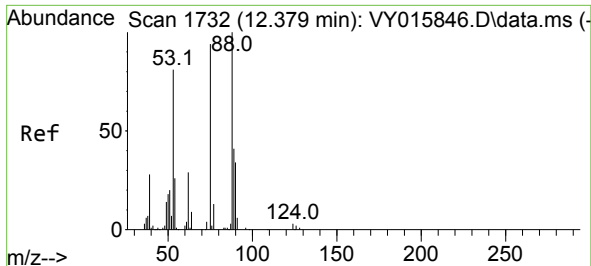
Tgt Ion: 75 Resp: 78347

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#

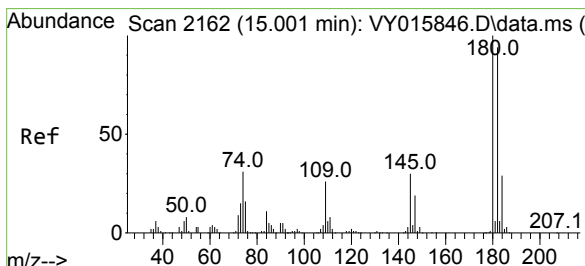
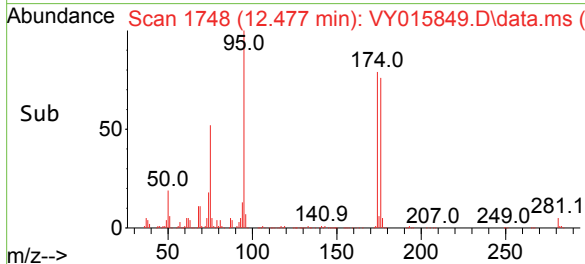
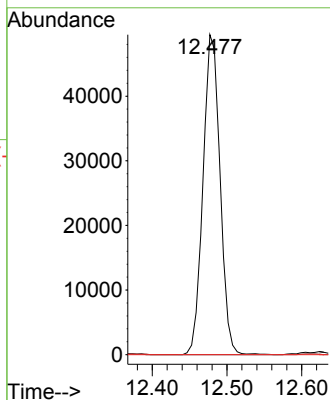
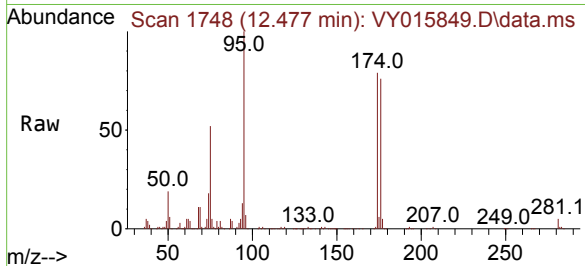




#81
trans-1,4-Dichloro-2-butene
Concen: 78.449 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY015849.D
Acq: 05 Oct 2023 14:56

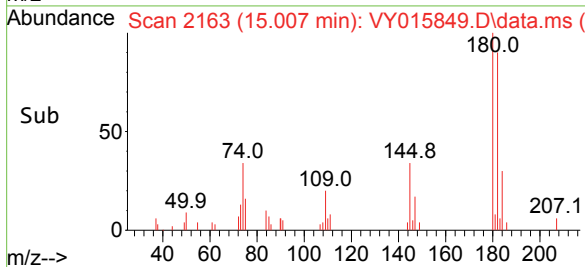
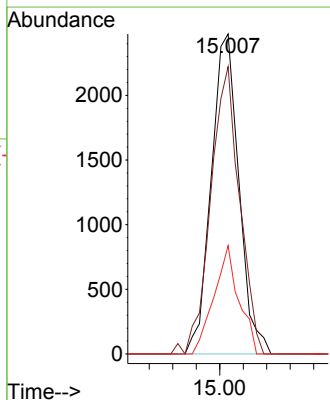
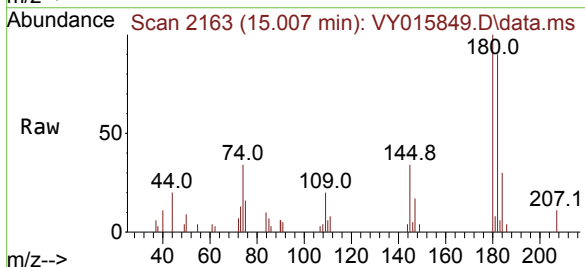
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

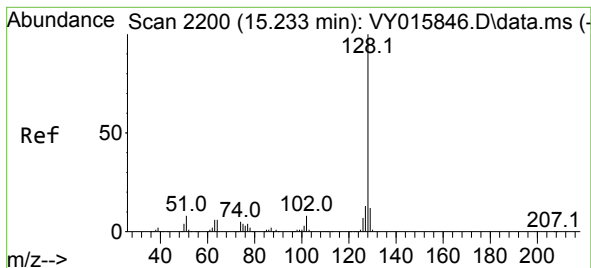
Tgt Ion: 75 Resp: 78347
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#



#93
1,2,4-Trichlorobenzene
Concen: 1.318 ug/l
RT: 15.007 min Scan# 2163
Delta R.T. 0.006 min
Lab File: VY015849.D
Acq: 05 Oct 2023 14:56

Tgt Ion: 180 Resp: 4049
Ion Ratio Lower Upper
180 100
182 93.8 47.0 141.2
145 30.5 14.5 43.5





#95

Naphthalene

Concen: 2.023 ug/l

RT: 15.233 min Scan# 2200

Delta R.T. 0.000 min

Lab File: VY015849.D

Acq: 05 Oct 2023 14:56

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

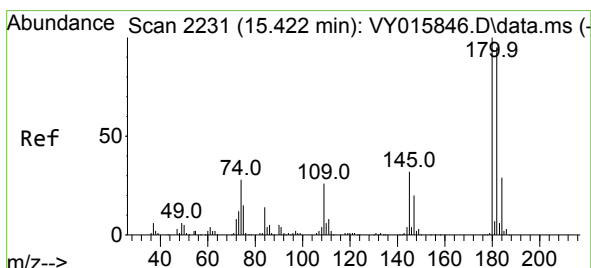
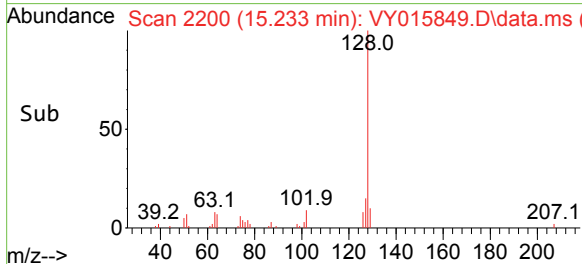
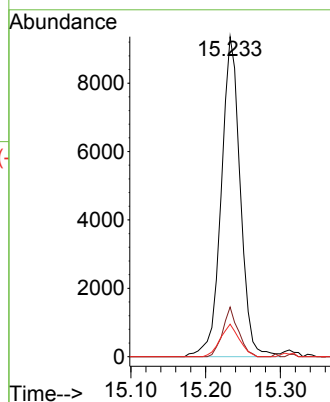
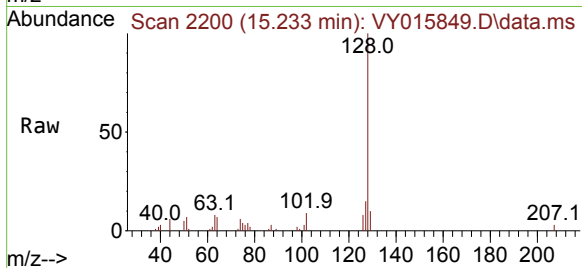
Tgt Ion:128 Resp: 16572

Ion Ratio Lower Upper

128 100

127 12.7 10.8 16.2

129 10.1 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 1.586 ug/l

RT: 15.422 min Scan# 2231

Delta R.T. 0.000 min

Lab File: VY015849.D

Acq: 05 Oct 2023 14:56

Tgt Ion:180 Resp: 4564

Ion Ratio Lower Upper

180 100

182 85.8 47.3 141.8

145 31.9 15.4 46.2

