

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062023\
 Data File : VY014308.D
 Acq On : 21 Jun 2023 02:03
 Operator : KP/MD
 Sample : 03321-16
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-20

Quant Time: Jun 21 05:09:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

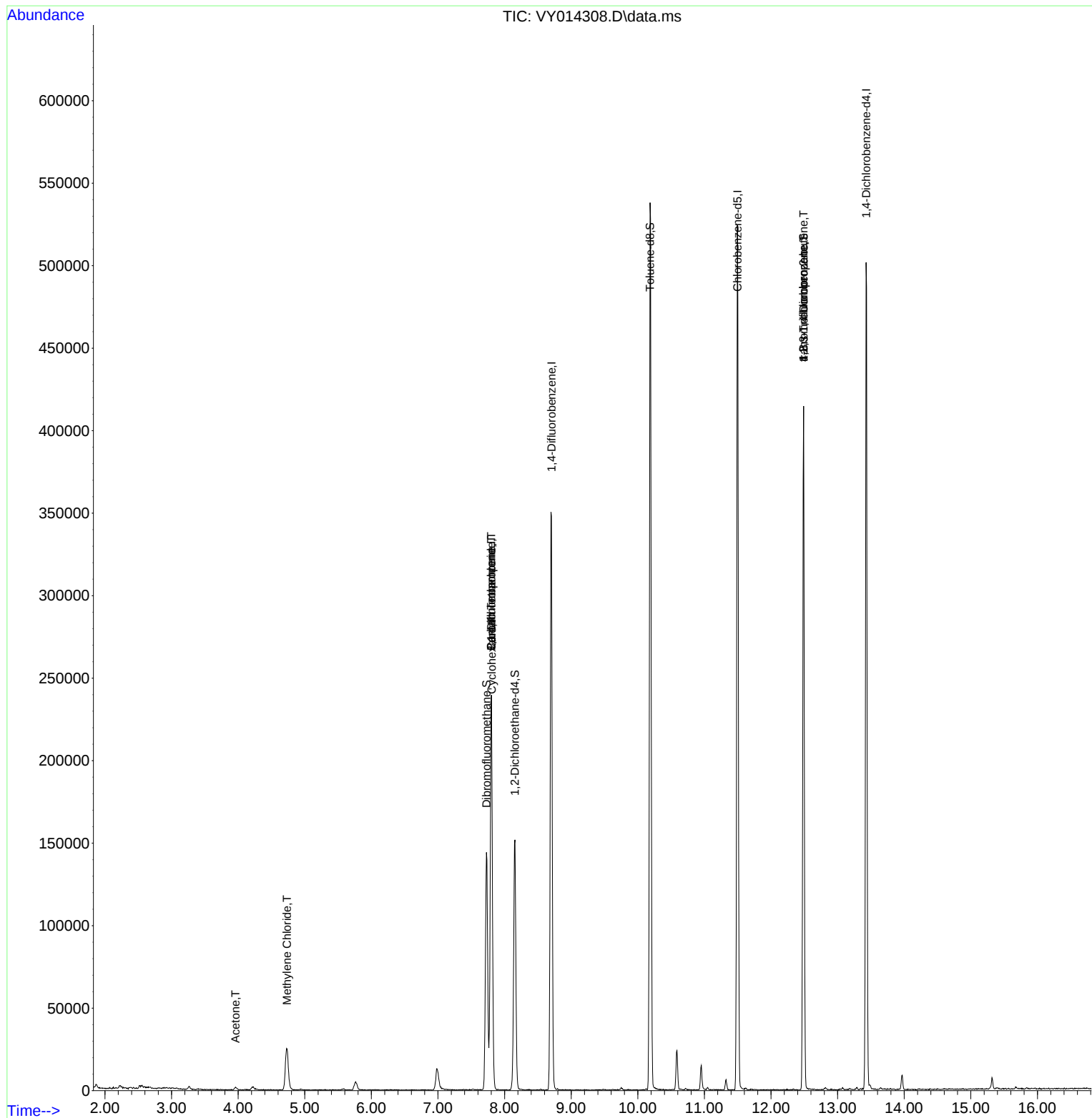
Internal Standards						
1) Pentafluorobenzene	7.801	168	183688	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.703	114	291770	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	281174	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	131625	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	129046	50.450	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.900%	
35) Dibromofluoromethane	7.728	113	97632	47.184	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 94.360%	
50) Toluene-d8	10.185	98	353853	45.742	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 91.480%	
62) 4-Bromofluorobenzene	12.489	95	113699	41.376	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 82.760%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.984	59	91	Below Cal	#	89
16) Acetone	3.960	43	2595	3.366	ug/l #	83
20) Methylene Chloride	4.735	84	19134	4.511	ug/l	90
31) Cyclohexane	7.807	56	4194	1.224	ug/l #	18
36) 1,1-Dichloropropene	7.801	75	14463	4.483	ug/l #	50
38) Carbon Tetrachloride	7.801	117	17611	4.731	ug/l #	16
76) 1,2,3-Trichloropropane	12.489	75	62488	36.185	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	62488	78.219	ug/l #	11

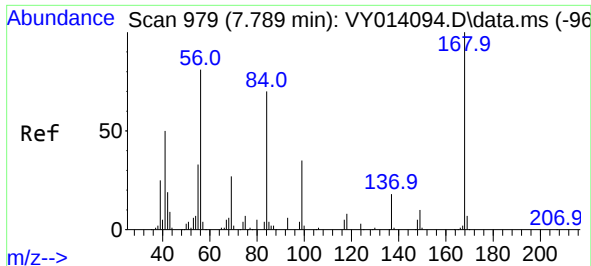
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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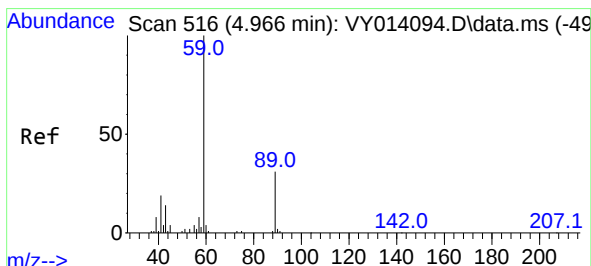
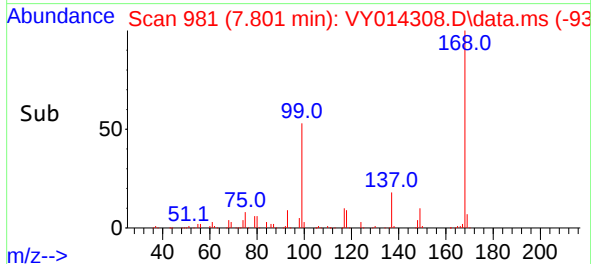
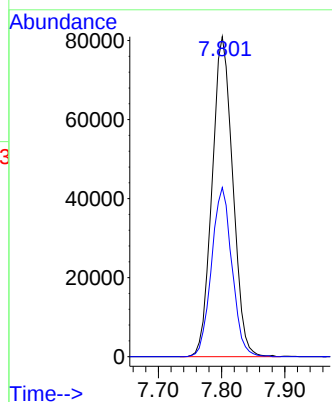
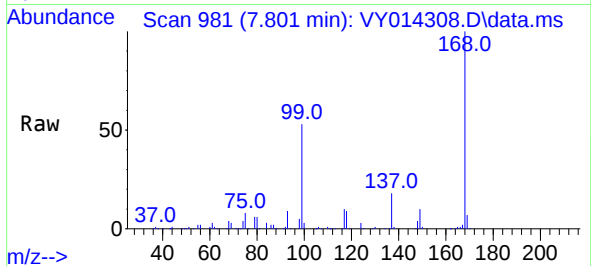




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014308.D
Acq: 21 Jun 2023 02:03

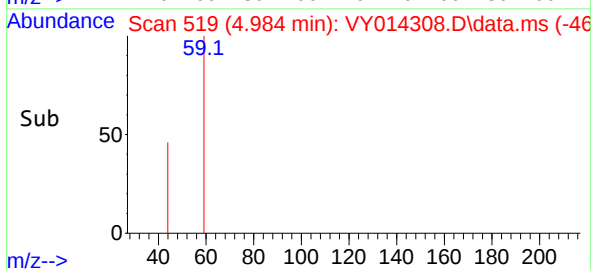
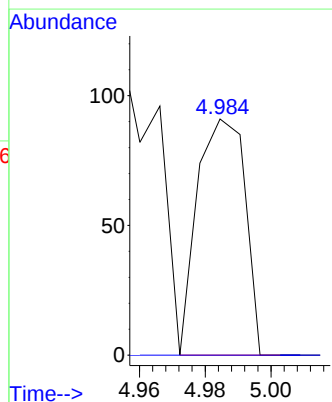
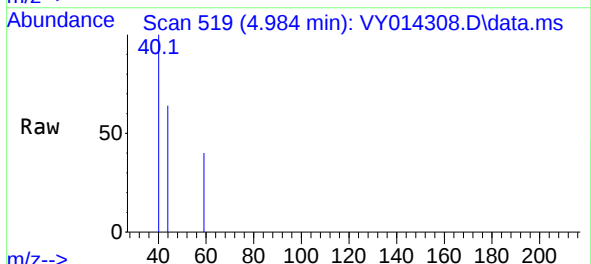
Instrument :
MSVOA_Y
ClientSampleId :
WC-20

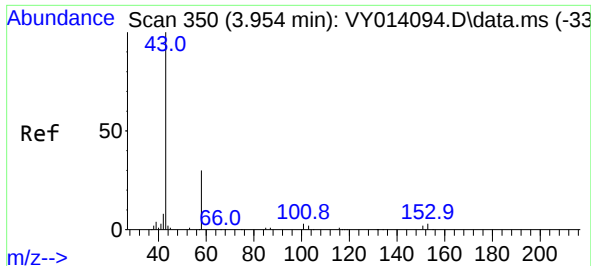
Tgt Ion:168 Resp: 183688
Ion Ratio Lower Upper
168 100
99 52.8 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.984 min Scan# 519
Delta R.T. 0.018 min
Lab File: VY014308.D
Acq: 21 Jun 2023 02:03

Tgt Ion: 59 Resp: 91
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

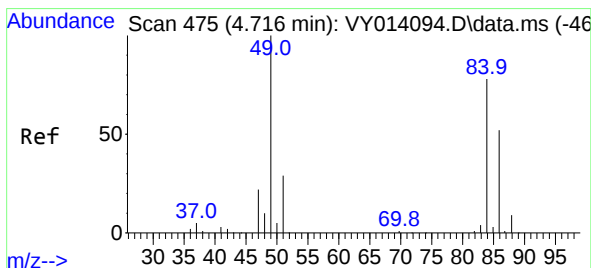
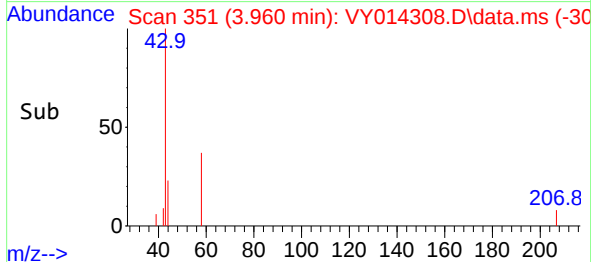
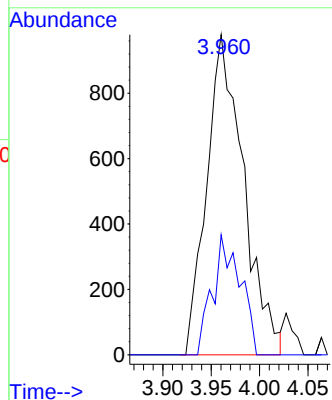
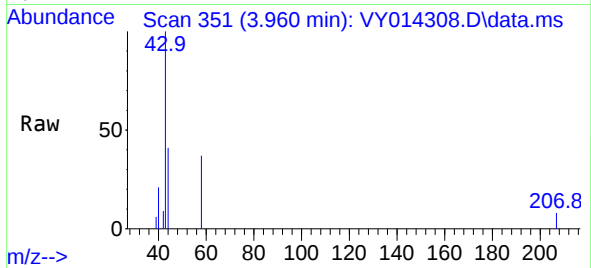




#16
Acetone
Concen: 3.366 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY014308.D
Acq: 21 Jun 2023 02:03

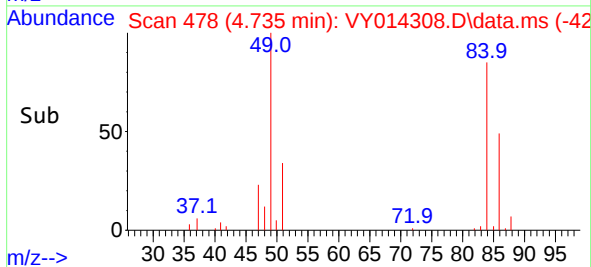
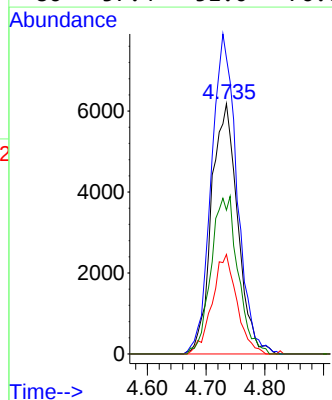
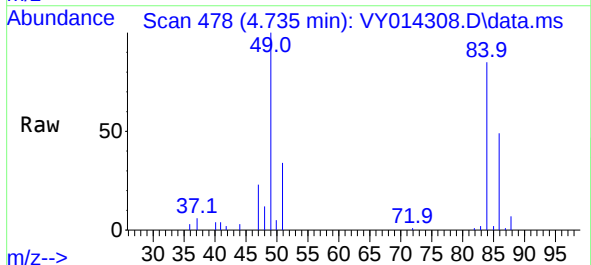
Instrument :
MSVOA_Y
ClientSampleId :
WC-20

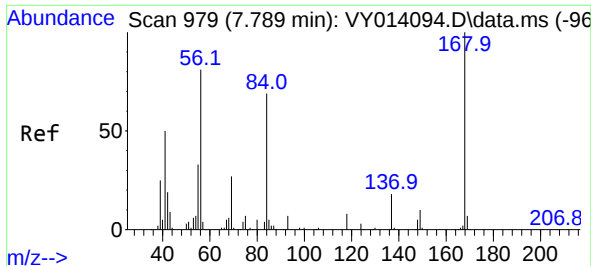
Tgt Ion: 43 Resp: 2595
Ion Ratio Lower Upper
43 100
58 37.5 22.7 34.1#



#20
Methylene Chloride
Concen: 4.511 ug/l
RT: 4.735 min Scan# 478
Delta R.T. 0.019 min
Lab File: VY014308.D
Acq: 21 Jun 2023 02:03

Tgt Ion: 84 Resp: 19134
Ion Ratio Lower Upper
84 100
49 118.2 106.9 160.3
51 39.7 33.2 49.8
86 57.4 51.0 76.6

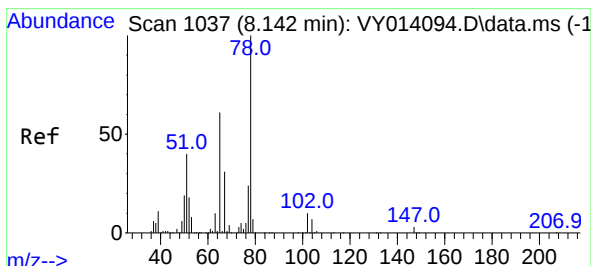
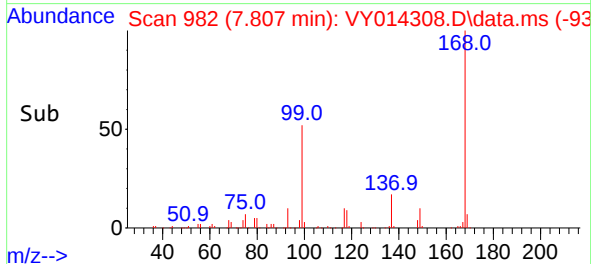
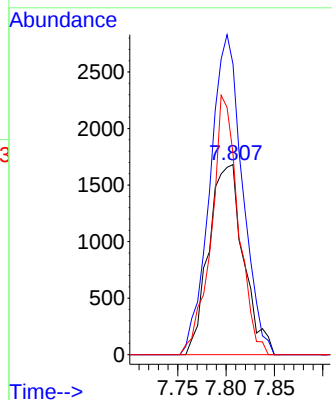
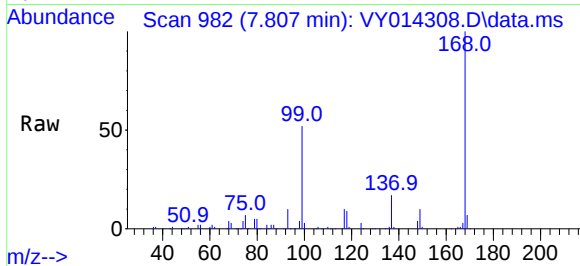




#31
Cyclohexane
Concen: 1.224 ug/l
RT: 7.807 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY014308.D
Acq: 21 Jun 2023 02:03

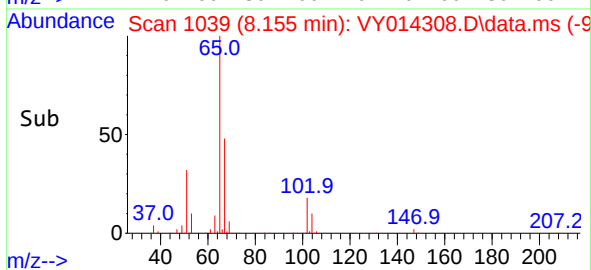
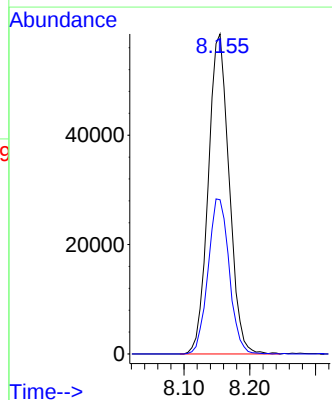
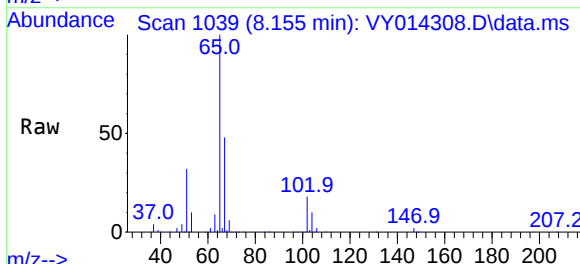
Instrument :
MSVOA_Y
ClientSampleId :
WC-20

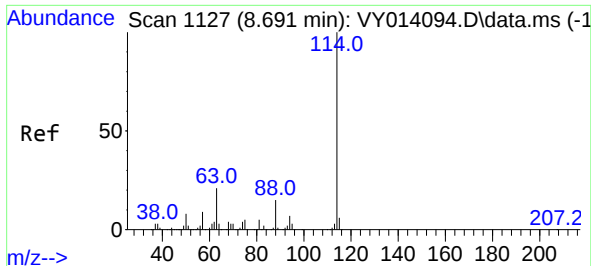
Tgt Ion: 56 Resp: 4194
Ion Ratio Lower Upper
56 100
69 152.8 27.8 41.6#
84 110.9 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 50.450 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.013 min
Lab File: VY014308.D
Acq: 21 Jun 2023 02:03

Tgt Ion: 65 Resp: 129046
Ion Ratio Lower Upper
65 100
67 49.1 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1127

Delta R.T. 0.012 min

Lab File: VY014308.D

Acq: 21 Jun 2023 02:03

Instrument :

MSVOA_Y

ClientSampleId :

WC-20

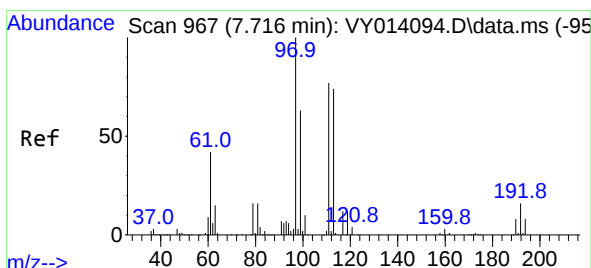
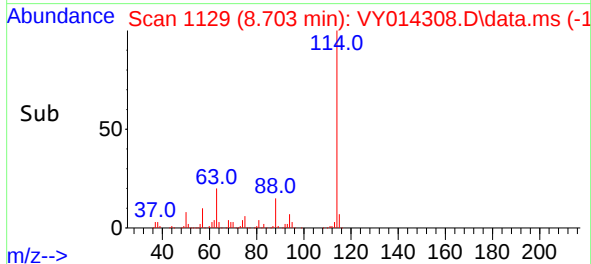
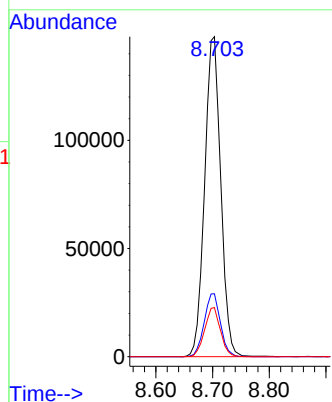
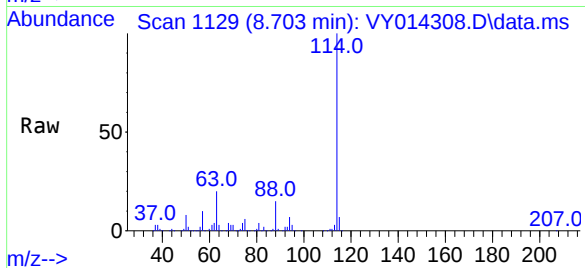
Tgt Ion:114 Resp: 291770

Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.4

88 15.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 47.184 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.012 min

Lab File: VY014308.D

Acq: 21 Jun 2023 02:03

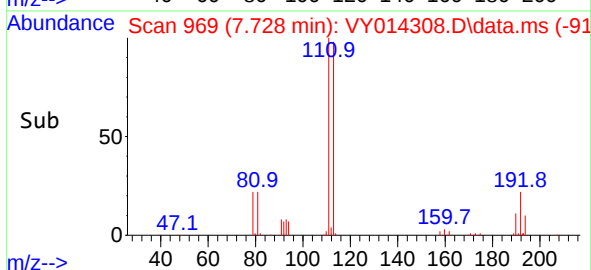
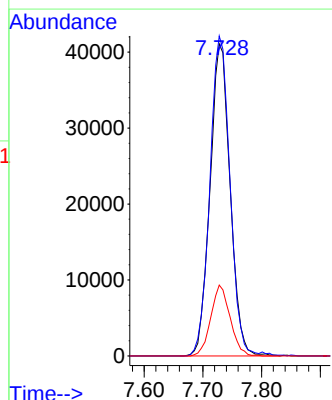
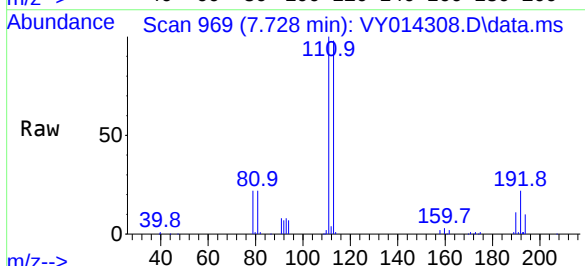
Tgt Ion:113 Resp: 97632

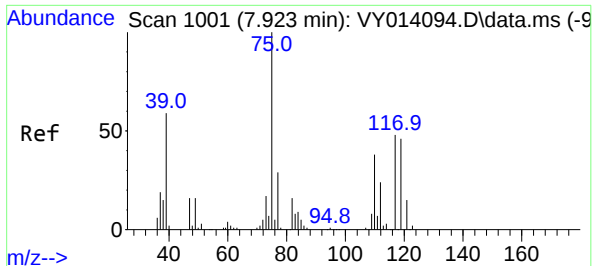
Ion Ratio Lower Upper

113 100

111 102.1 81.3 121.9

192 21.8 16.9 25.3

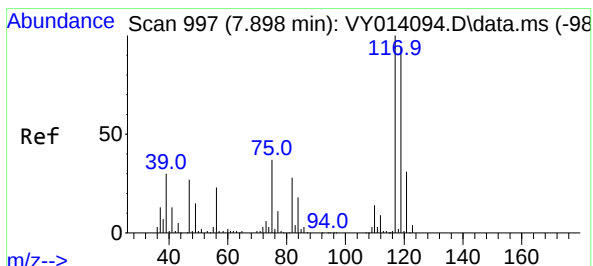
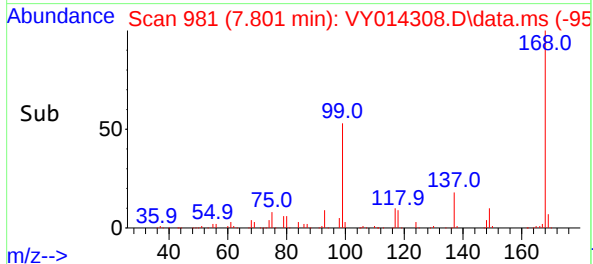
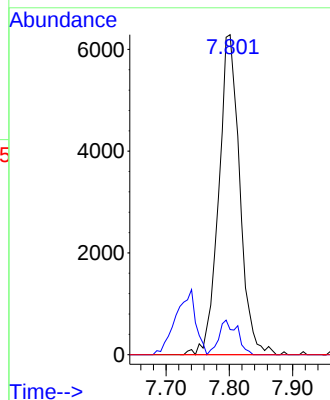
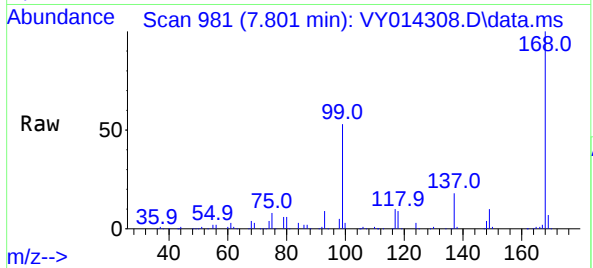




#36
1,1-Dichloropropene
Concen: 4.483 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY014308.D
Acq: 21 Jun 2023 02:03

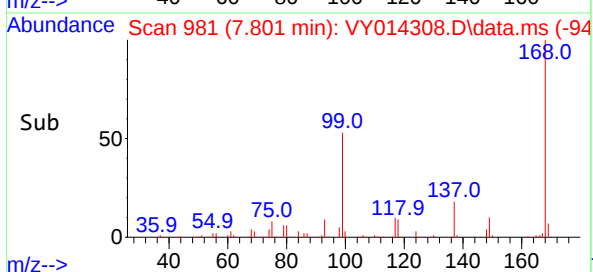
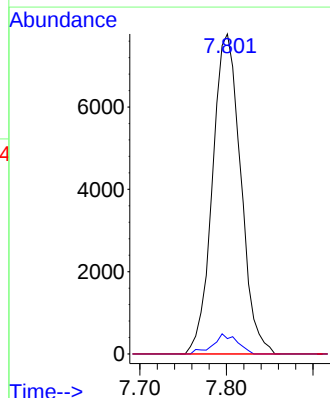
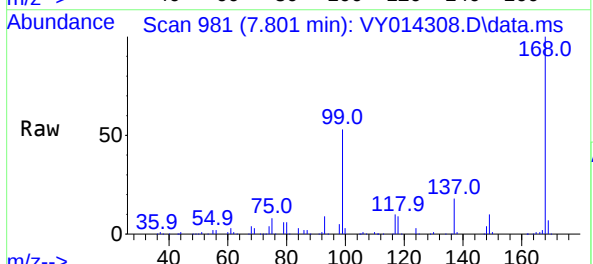
Instrument :
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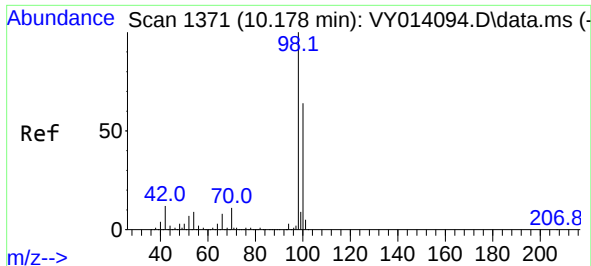
Tgt Ion: 75 Resp: 14463
Ion Ratio Lower Upper
75 100
110 9.5 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.731 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.097 min
Lab File: VY014308.D
Acq: 21 Jun 2023 02:03

Tgt Ion: 117 Resp: 17611
Ion Ratio Lower Upper
117 100
119 4.8 76.4 114.6#
121 0.0 25.8 38.6#

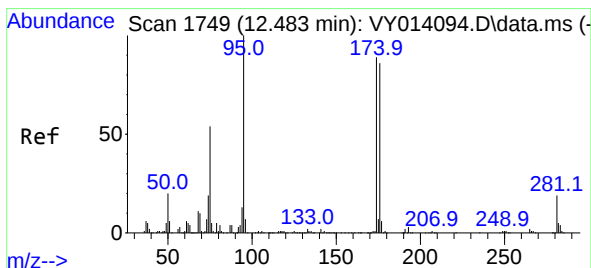
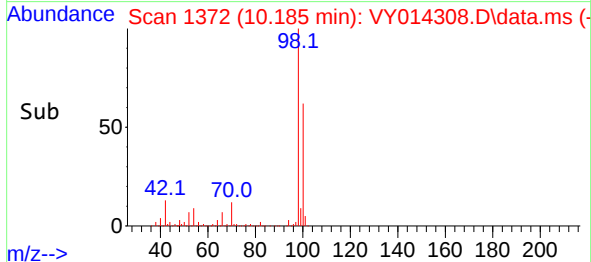
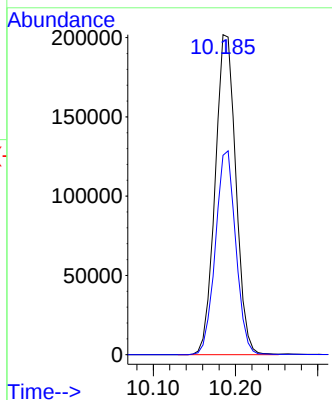
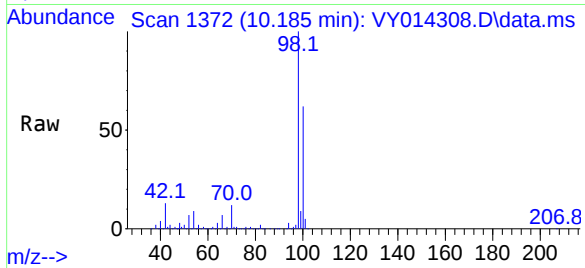




#50
Toluene-d8
Concen: 45.742 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY014308.D
Acq: 21 Jun 2023 02:03

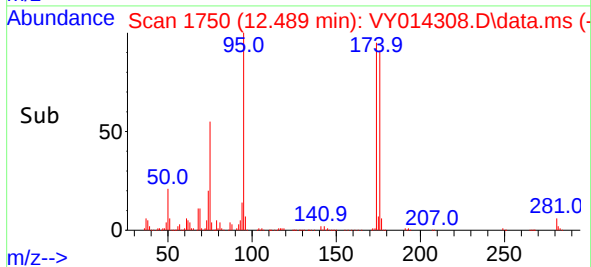
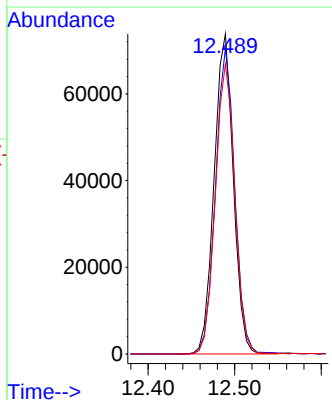
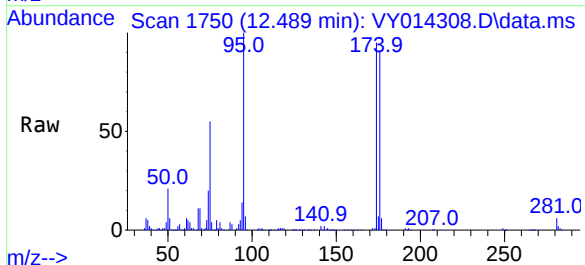
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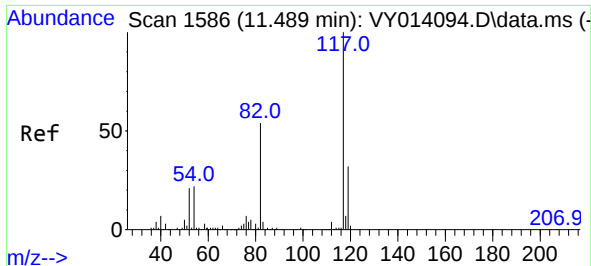
Tgt Ion: 98 Resp: 353853
Ion Ratio Lower Upper
98 100
100 62.6 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 41.376 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY014308.D
Acq: 21 Jun 2023 02:03

Tgt Ion: 95 Resp: 113699
Ion Ratio Lower Upper
95 100
174 95.9 0.0 178.2
176 91.8 0.0 173.8

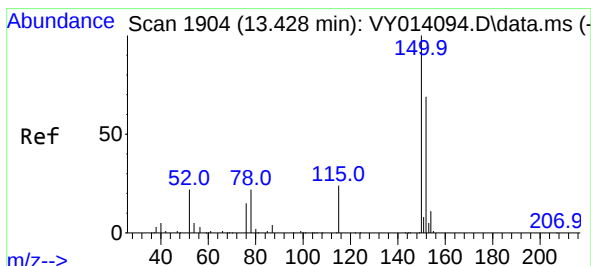
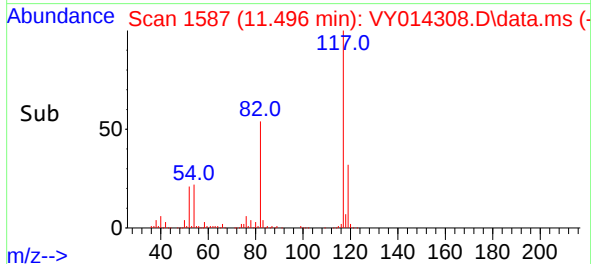
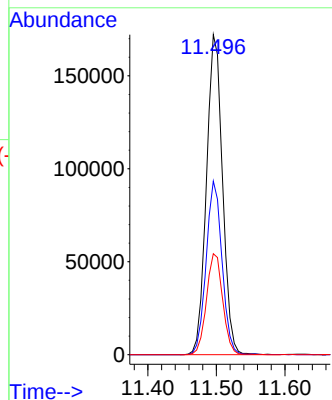
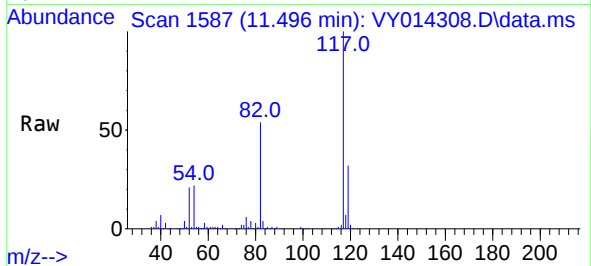




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VY014308.D
Acq: 21 Jun 2023 02:03

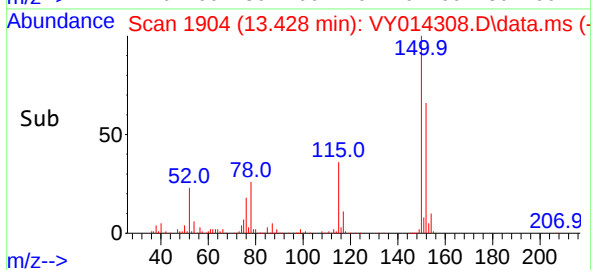
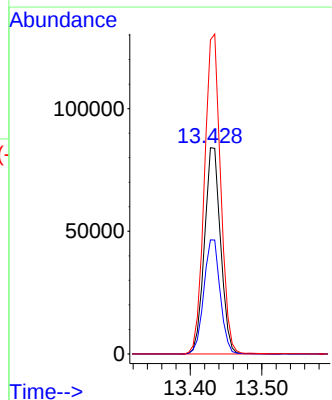
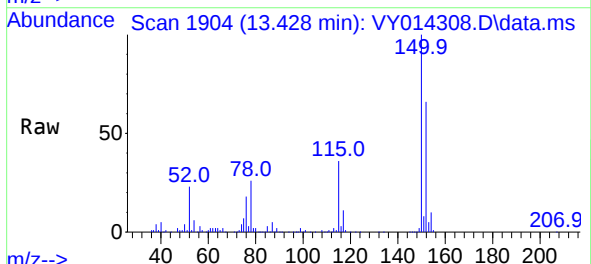
Instrument :
MSVOA_Y
ClientSampleId :
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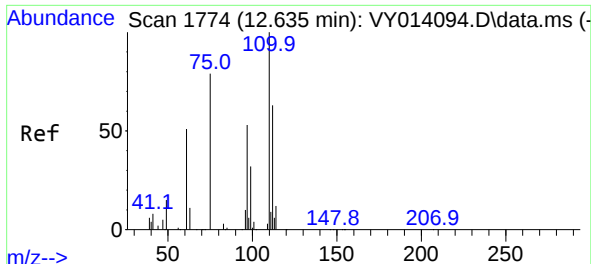
Tgt Ion:117 Resp: 281174
Ion Ratio Lower Upper
117 100
82 54.3 43.4 65.0
119 31.6 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY014308.D
Acq: 21 Jun 2023 02:03

Tgt Ion:152 Resp: 131625
Ion Ratio Lower Upper
152 100
115 56.2 28.8 86.5
150 156.0 0.0 348.8

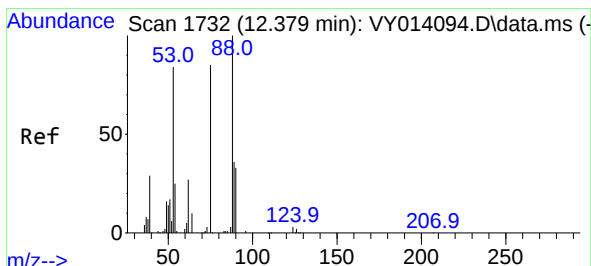
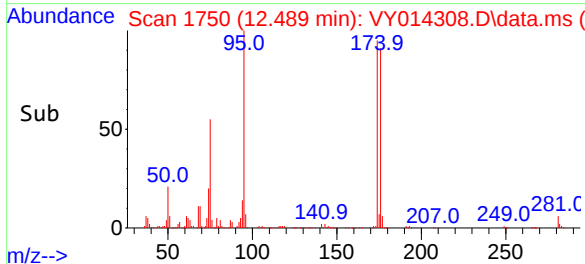
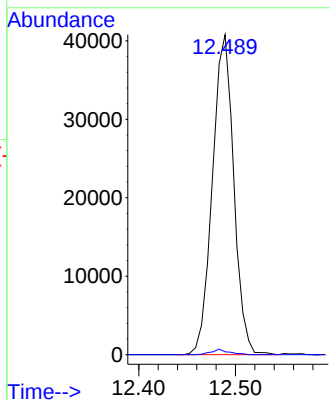
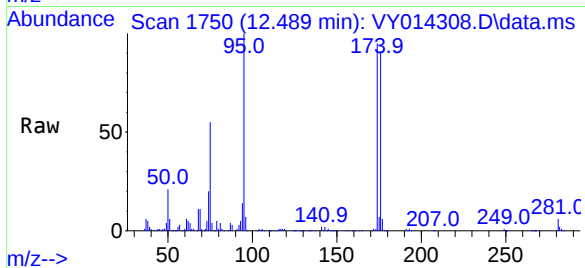




#76
1,2,3-Trichloropropane
Concen: 36.185 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.146 min
Lab File: VY014308.D
Acq: 21 Jun 2023 02:03

Instrument :
MSVOA_Y
ClientSampleId :
WC-20

Tgt Ion: 75 Resp: 62488
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.219 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.110 min
Lab File: VY014308.D
Acq: 21 Jun 2023 02:03

Tgt Ion: 75 Resp: 62488
Ion Ratio Lower Upper
75 100
53 0.3 77.8 116.8#
89 0.1 37.4 56.0#

