

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062223\
 Data File : VY014389.D
 Acq On : 22 Jun 2023 19:09
 Operator : KP/MD
 Sample : 03321-10RE
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-22RE

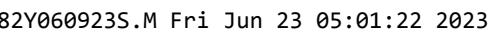
Quant Time: Jun 23 05:01:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	80522	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	108603	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	86156	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	34100	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	35601	31.750	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	63.500%
35) Dibromofluoromethane	7.722	113	31728	41.195	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	82.400%
50) Toluene-d8	10.185	98	122837	42.660	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	85.320%
62) 4-Bromofluorobenzene	12.483	95	30309	29.632	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	59.260%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.973	59	294	Below Cal	#	89
16) Acetone	3.961	43	1905	5.636	ug/l #	87
20) Methylene Chloride	4.729	84	3055	Below Cal	#	75
25) 2-Butanone	6.984	43	1513	3.637	ug/l #	49
26) 2,2-Dichloropropane	6.978	77	2055	1.189	ug/l #	54
31) Cyclohexane	7.795	56	1689	1.124	ug/l #	8
36) 1,1-Dichloropropene	7.795	75	5792	4.824	ug/l #	52
38) Carbon Tetrachloride	7.795	117	8117	5.858	ug/l #	19
76) 1,2,3-Trichloropropane	12.483	75	16481	36.839	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	16481	79.631	ug/l #	10

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

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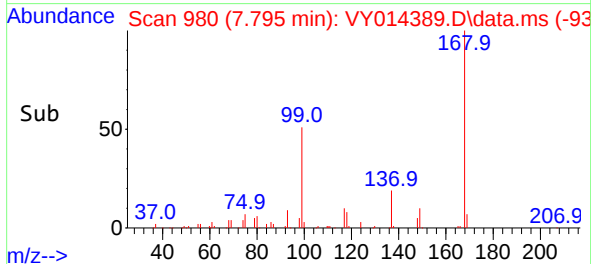
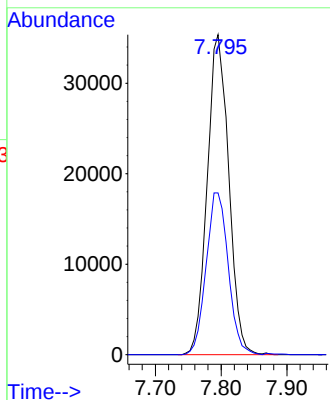
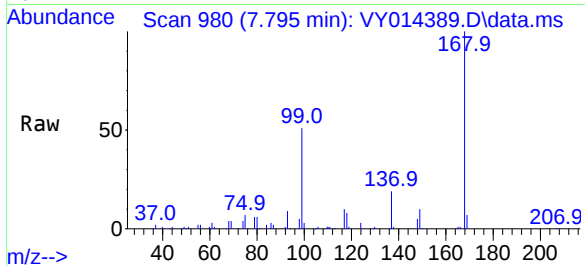




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014389.D
Acq: 22 Jun 2023 19:09

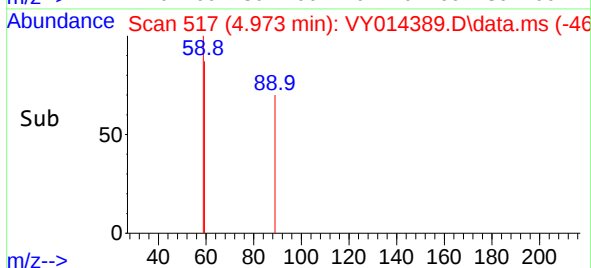
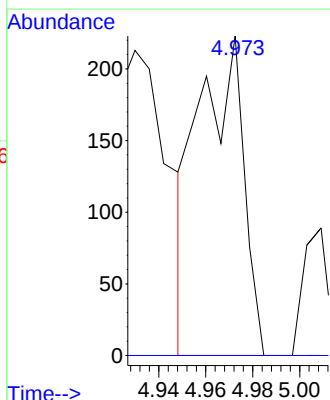
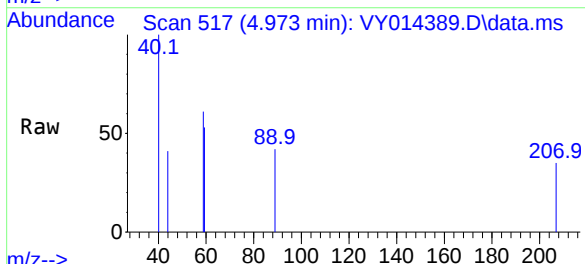
Instrument :
MSVOA_Y
ClientSampleId :
WC-22RE

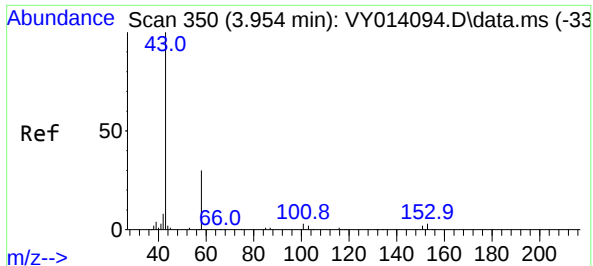
Tgt Ion:168 Resp: 80522
Ion Ratio Lower Upper
168 100
99 50.5 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.973 min Scan# 517
Delta R.T. 0.007 min
Lab File: VY014389.D
Acq: 22 Jun 2023 19:09

Tgt Ion: 59 Resp: 294
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

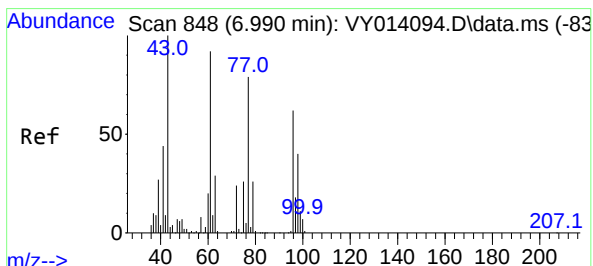
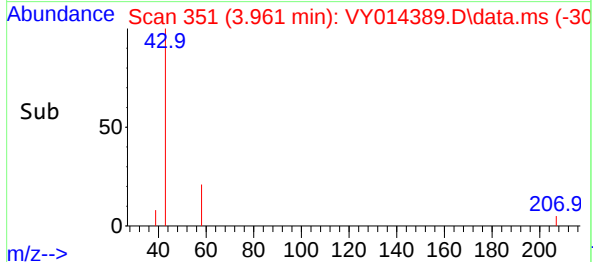
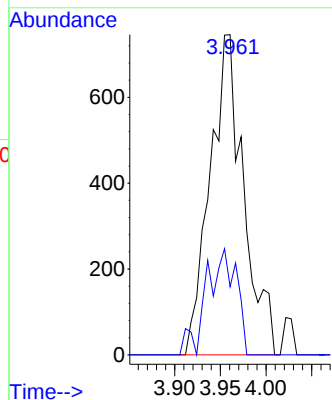
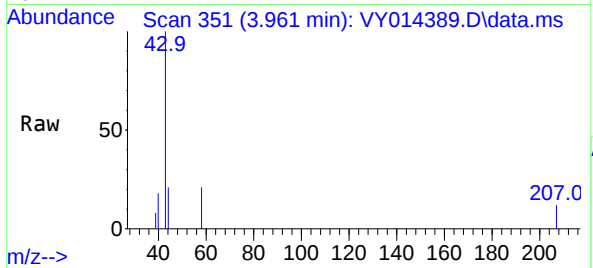




#16
Acetone
Concen: 5.636 ug/l
RT: 3.961 min Scan# 31
Delta R.T. 0.007 min
Lab File: VY014389.D
Acq: 22 Jun 2023 19:09

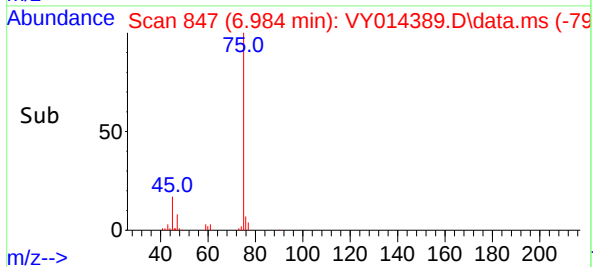
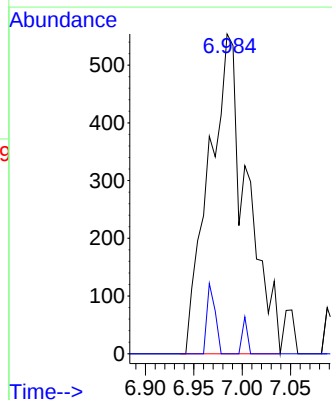
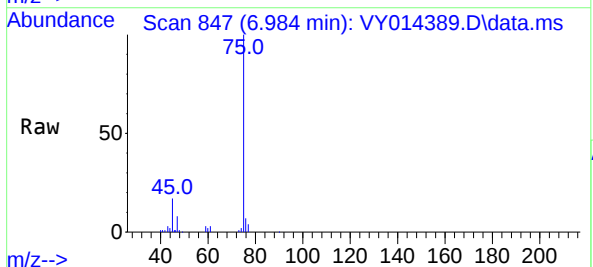
Instrument :
MSVOA_Y
ClientSampleId :
WC-22RE

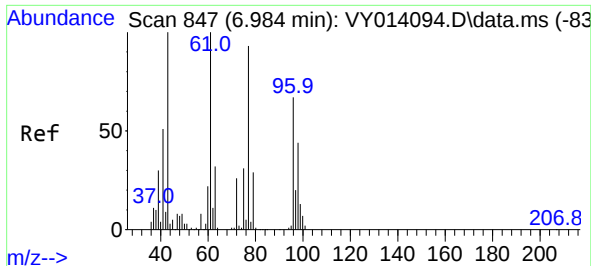
Tgt Ion: 43 Resp: 1905
Ion Ratio Lower Upper
43 100
58 21.3 22.7 34.1#



#25
2-Butanone
Concen: 3.637 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY014389.D
Acq: 22 Jun 2023 19:09

Tgt Ion: 43 Resp: 1513
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#





#26

2,2-Dichloropropane

Concen: 1.189 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY014389.D

Acq: 22 Jun 2023 19:09

Instrument :

MSVOA_Y

ClientSampleId :

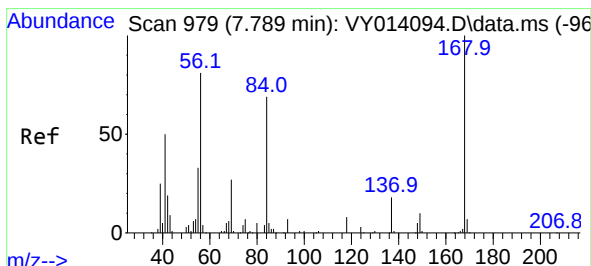
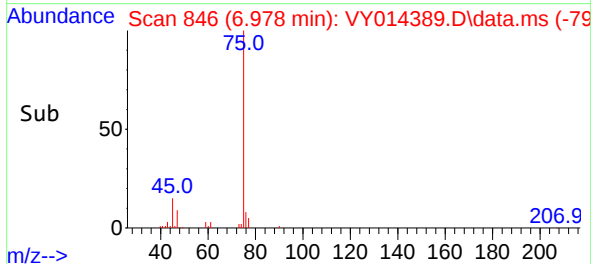
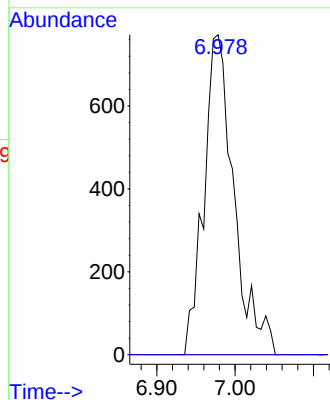
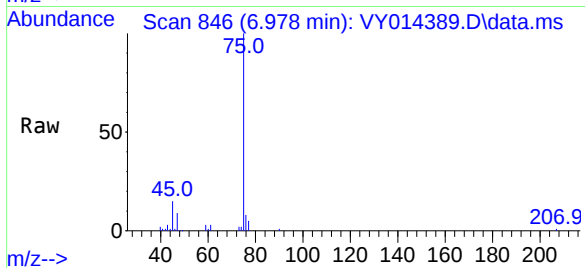
WC-22RE

Tgt Ion: 77 Resp: 2055

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#



#31

Cyclohexane

Concen: 1.124 ug/l

RT: 7.795 min Scan# 980

Delta R.T. 0.006 min

Lab File: VY014389.D

Acq: 22 Jun 2023 19:09

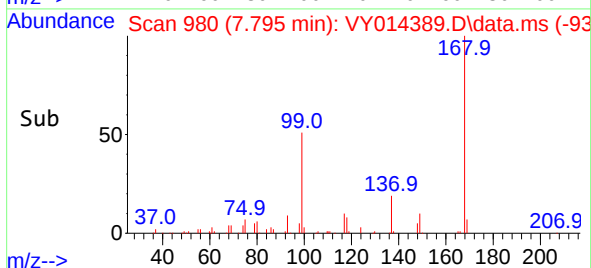
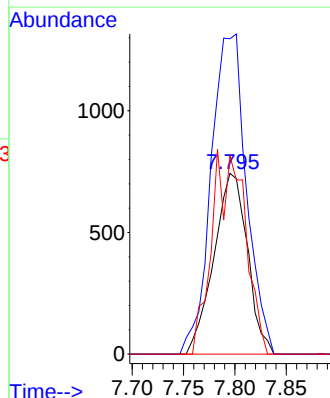
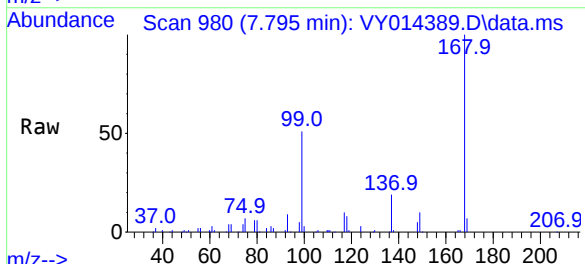
Tgt Ion: 56 Resp: 1689

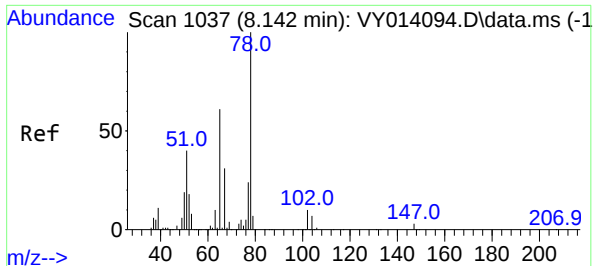
Ion Ratio Lower Upper

56 100

69 174.4 27.8 41.6#

84 109.6 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 31.750 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.001 min

Lab File: VY014389.D

Acq: 22 Jun 2023 19:09

Instrument :

MSVOA_Y

ClientSampleId :

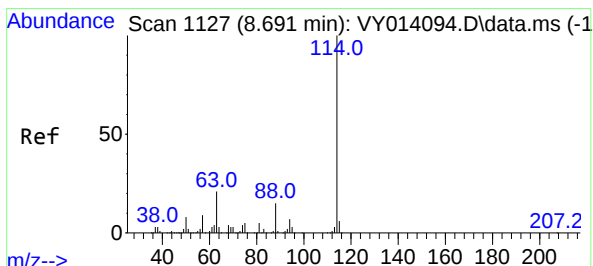
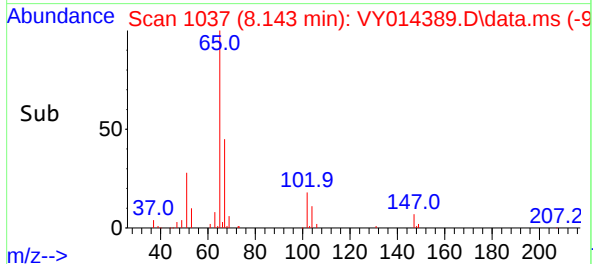
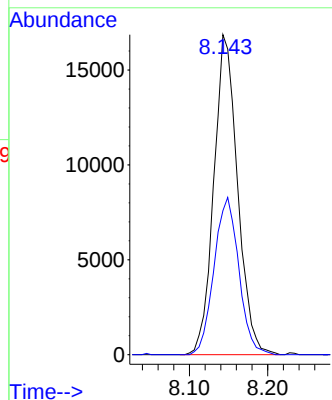
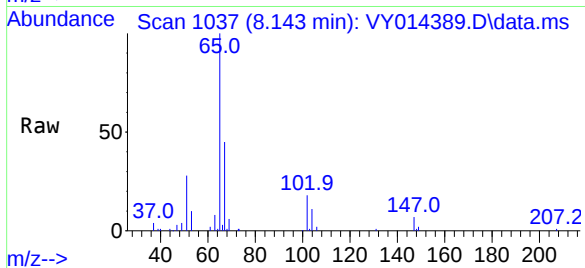
WC-22RE

Tgt Ion: 65 Resp: 35601

Ion Ratio Lower Upper

65 100

67 51.2 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VY014389.D

Acq: 22 Jun 2023 19:09

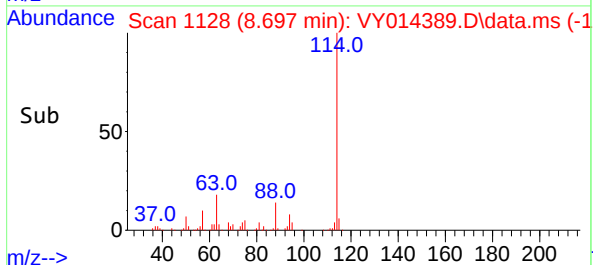
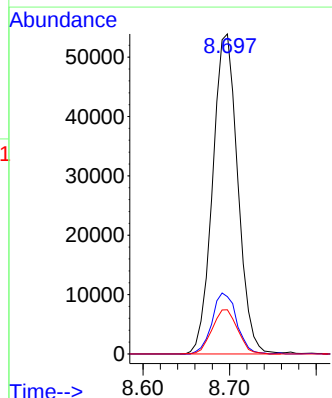
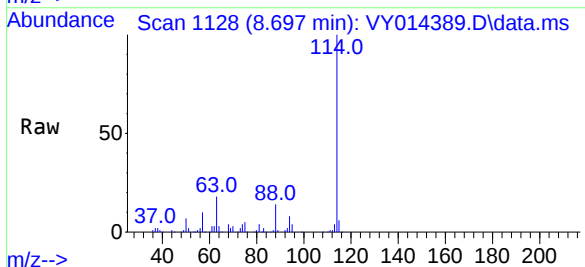
Tgt Ion: 114 Resp: 108603

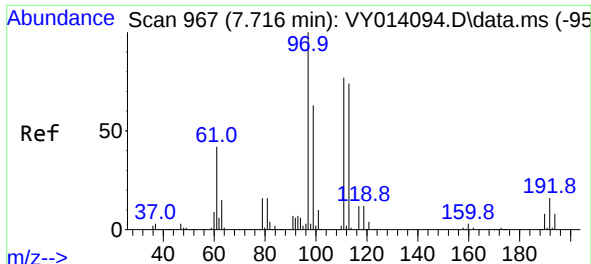
Ion Ratio Lower Upper

114 100

63 17.9 0.0 42.4

88 13.8 0.0 30.6

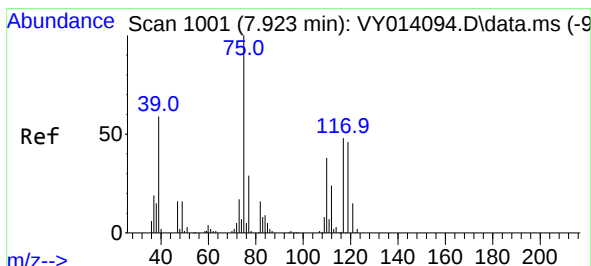
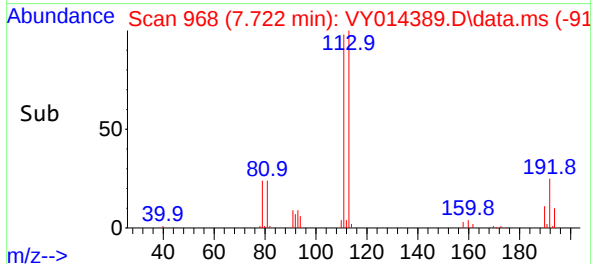
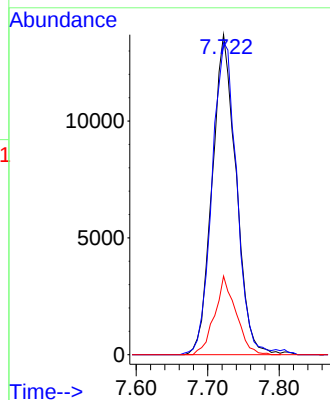
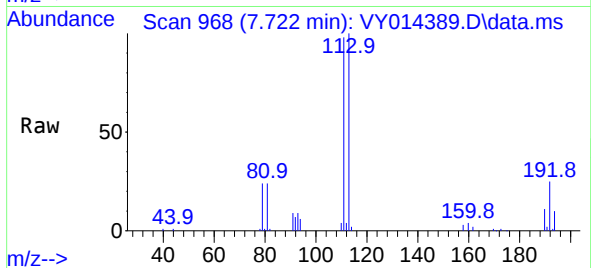




#35
Dibromofluoromethane
Concen: 41.195 ug/l
RT: 7.722 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY014389.D
Acq: 22 Jun 2023 19:09

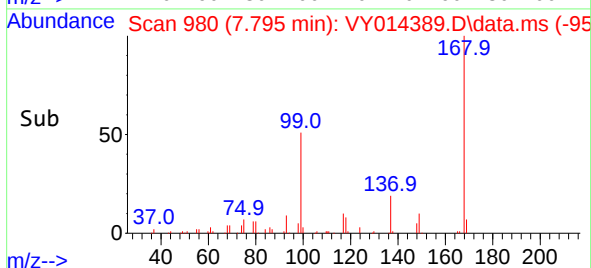
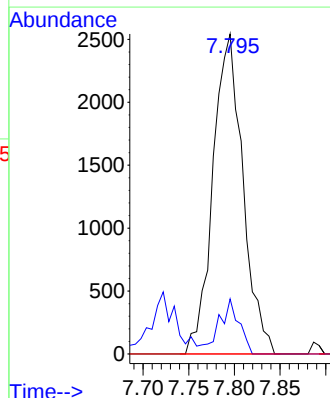
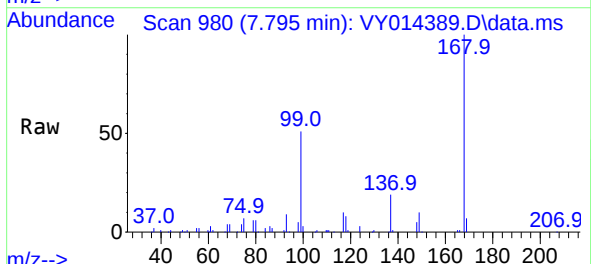
Instrument :
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WC-22RE

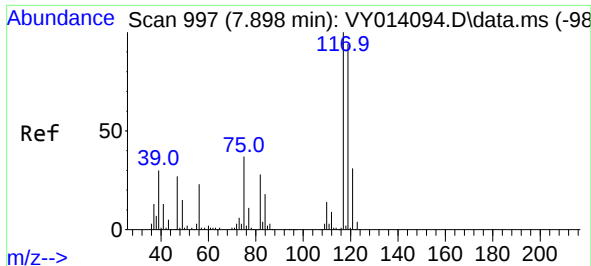
Tgt Ion:113 Resp: 31728
Ion Ratio Lower Upper
113 100
111 100.6 81.3 121.9
192 22.0 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.824 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY014389.D
Acq: 22 Jun 2023 19:09

Tgt Ion: 75 Resp: 5792
Ion Ratio Lower Upper
75 100
110 11.3 17.8 53.5#
77 0.0 24.4 36.6#

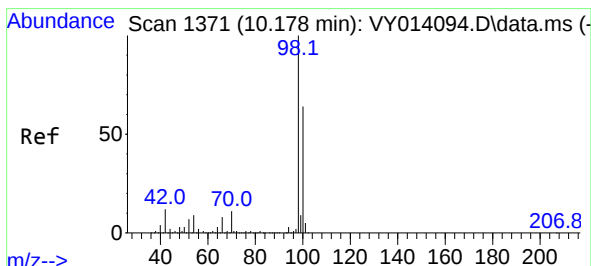
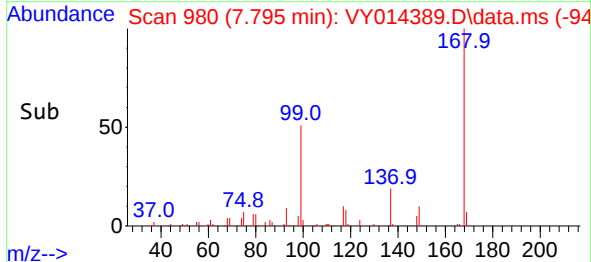
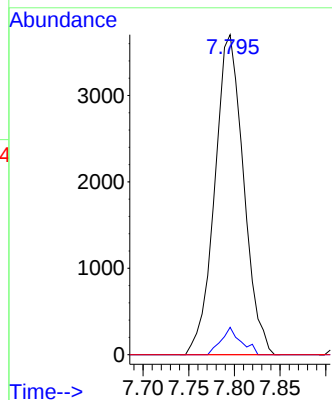
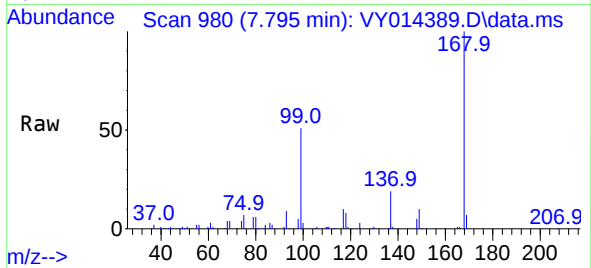




#38
Carbon Tetrachloride
Concen: 5.858 ug/l
RT: 7.795 min Scan# 997
Delta R.T. -0.103 min
Lab File: VY014389.D
Acq: 22 Jun 2023 19:09

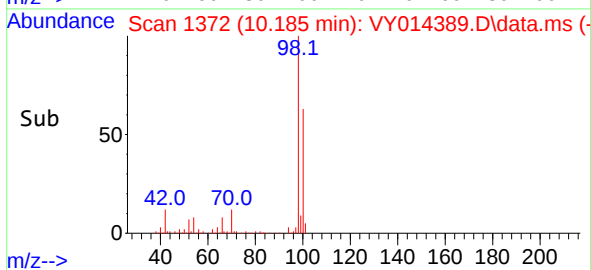
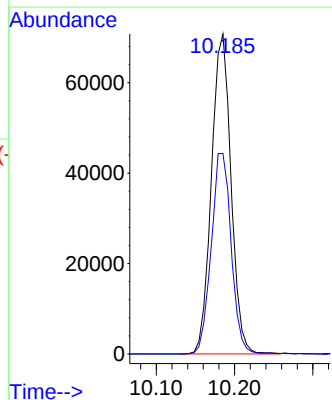
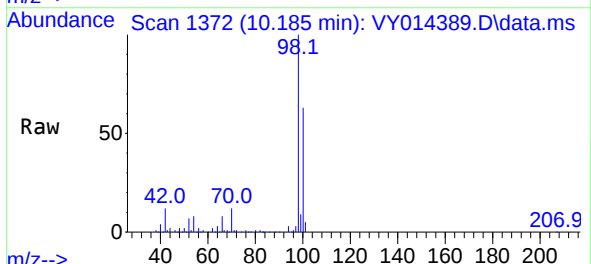
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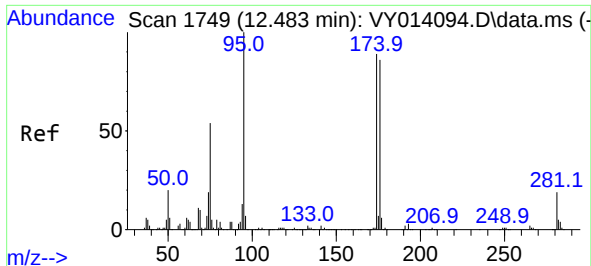
Tgt Ion:117 Resp: 8117
Ion Ratio Lower Upper
117 100
119 8.5 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 42.660 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.007 min
Lab File: VY014389.D
Acq: 22 Jun 2023 19:09

Tgt Ion: 98 Resp: 122837
Ion Ratio Lower Upper
98 100
100 64.0 50.1 75.1

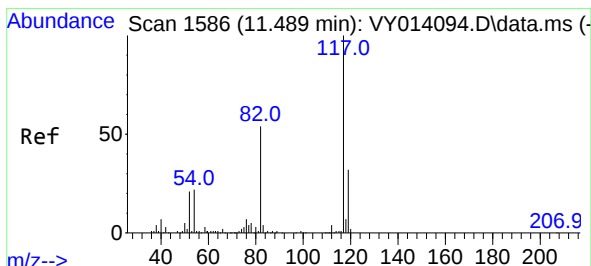
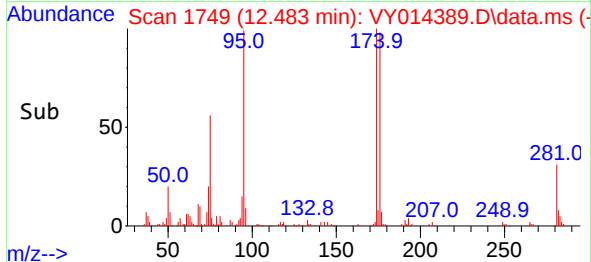
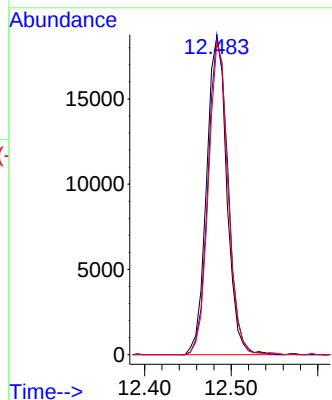
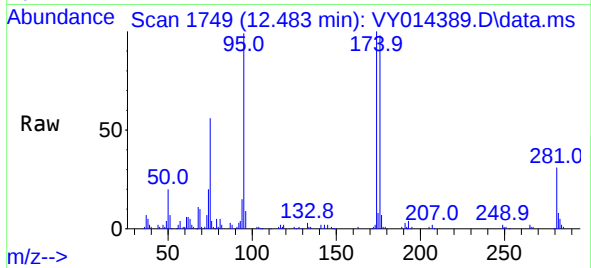




#62
4-Bromofluorobenzene
Concen: 29.632 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014389.D
Acq: 22 Jun 2023 19:09

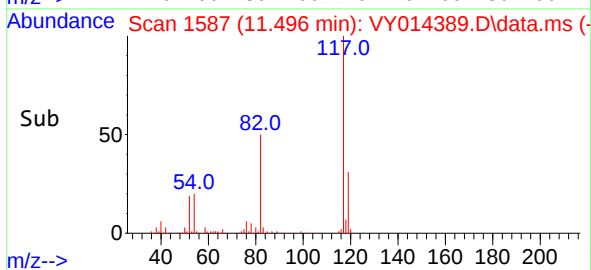
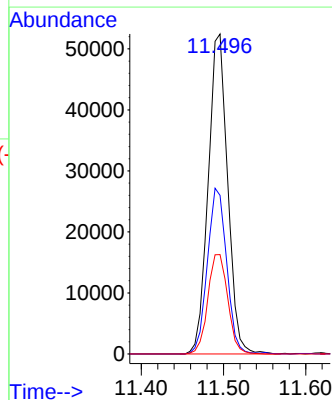
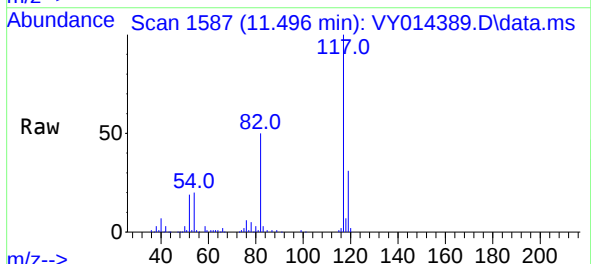
Instrument :
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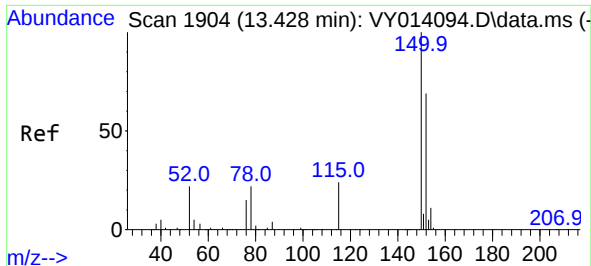
Tgt Ion:	95	Resp:	30309
Ion	Ratio	Lower	Upper
95	100		
174	99.0	0.0	178.2
176	95.0	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.007 min
Lab File: VY014389.D
Acq: 22 Jun 2023 19:09

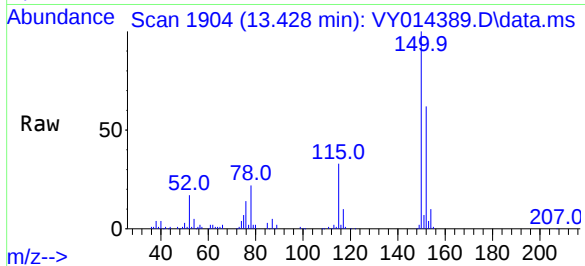
Tgt Ion:	117	Resp:	86156
Ion	Ratio	Lower	Upper
117	100		
82	49.6	43.4	65.0
119	31.0	26.3	39.5



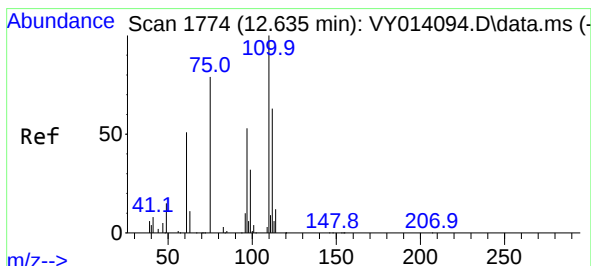
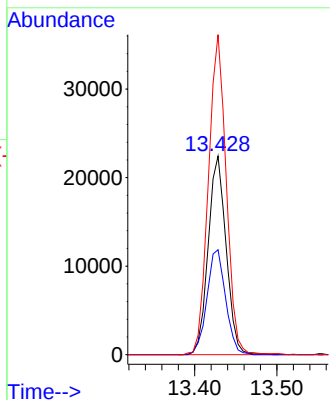
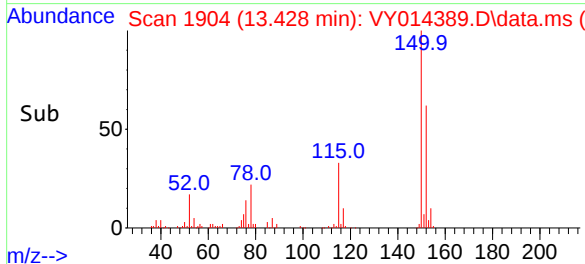


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY014389.D
Acq: 22 Jun 2023 19:09

Instrument :
MSVOA_Y
ClientSampleId :
WC-22RE

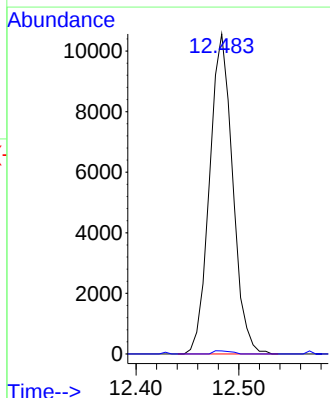
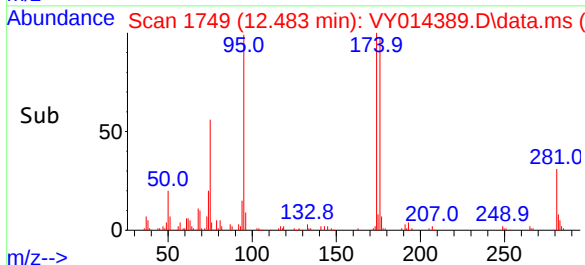
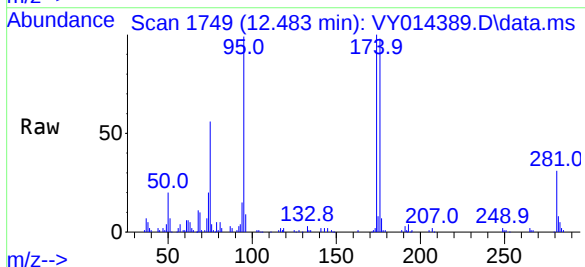


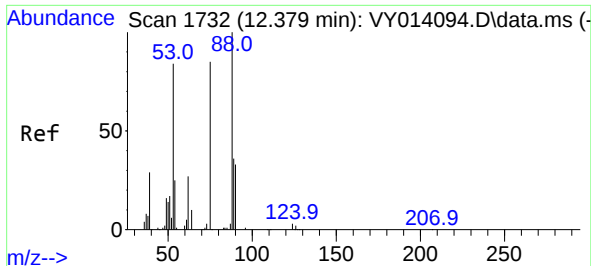
Tgt Ion:152 Resp: 34100
Ion Ratio Lower Upper
152 100
115 54.9 28.8 86.5
150 159.5 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 36.839 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY014389.D
Acq: 22 Jun 2023 19:09

Tgt Ion: 75 Resp: 16481
Ion Ratio Lower Upper
75 100
77 0.8 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.631 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY014389.D
 Acq: 22 Jun 2023 19:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-22RE

Tgt Ion: 75 Resp: 16481
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 37.4 56.0#

