

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062123\
 Data File : VY014339.D
 Acq On : 21 Jun 2023 16:31
 Operator : KP/MD
 Sample : 03337-19
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-11

Quant Time: Jun 22 01:57:48 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)

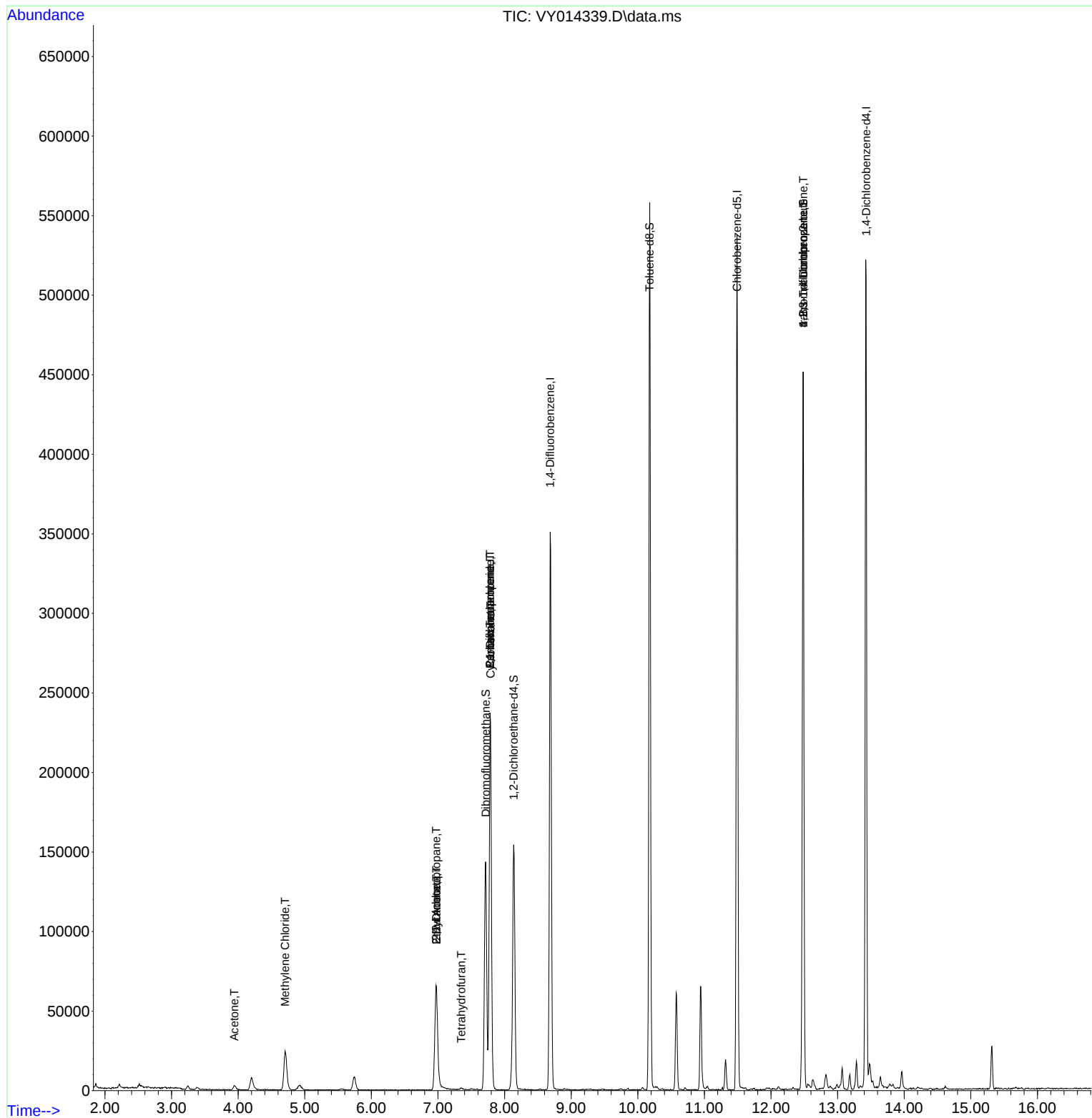
Internal Standards						
1) Pentafluorobenzene	7.783	168	182805	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	292340	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	283065	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	135042	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	129313	50.799	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.600%			
35) Dibromofluoromethane	7.716	113	97924	47.233	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 94.460%			
50) Toluene-d8	10.179	98	351925	45.404	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 90.800%			
62) 4-Bromofluorobenzene	12.483	95	117922	42.829	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 85.660%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.924	59	4012	Below Cal	#	91
16) Acetone	3.942	43	5034	6.561	ug/l	99
20) Methylene Chloride	4.704	84	17883	4.002	ug/l	94
25) 2-Butanone	6.978	43	6778	7.176	ug/l	98
26) 2,2-Dichloropropane	6.972	77	5061	1.290	ug/l #	54
29) Tetrahydrofuran	7.350	42	773	1.291	ug/l #	61
31) Cyclohexane	7.789	56	3980	1.167	ug/l #	5
36) 1,1-Dichloropropene	7.783	75	14708	4.551	ug/l #	52
37) Ethyl Acetate	6.978	43	6778	3.039	ug/l #	31
38) Carbon Tetrachloride	7.783	117	18861	5.057	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	65065	36.724	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	65065	79.384	ug/l #	11

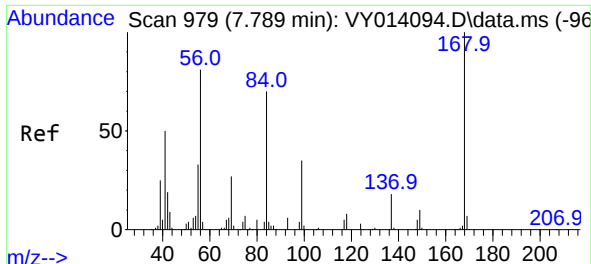
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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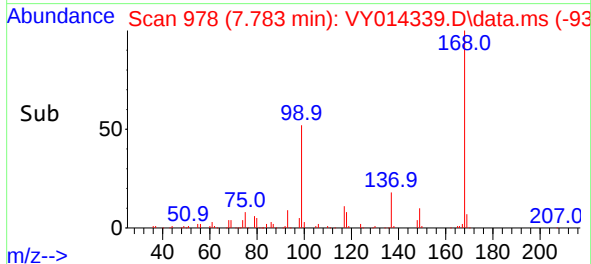
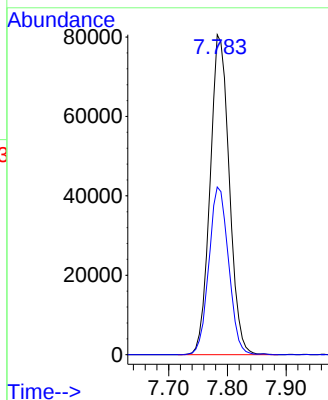
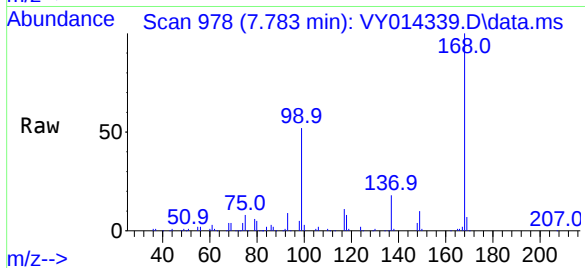




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014339.D
Acq: 21 Jun 2023 16:31

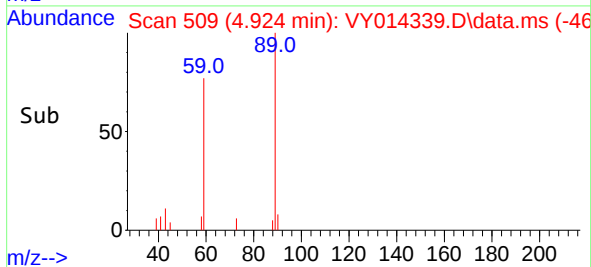
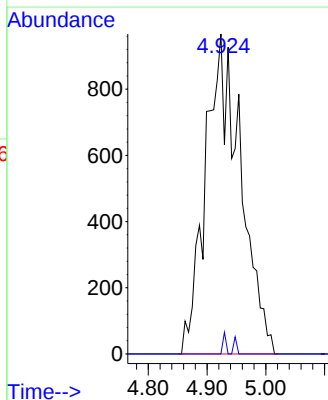
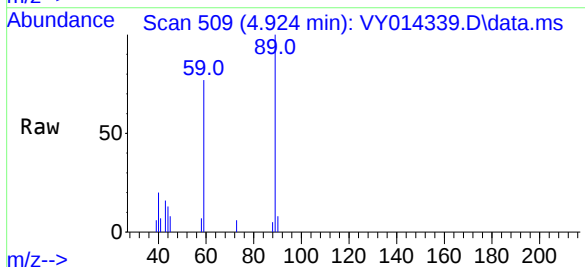
Instrument :
MSVOA_Y
ClientSampleId :
WC-11

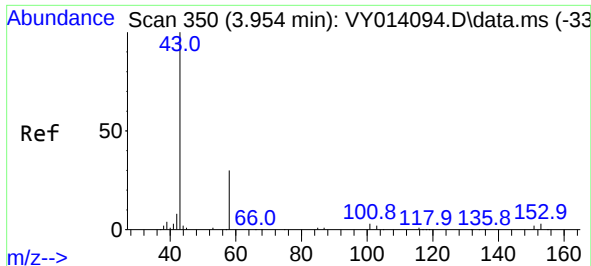
Tgt Ion:168 Resp: 182805
Ion Ratio Lower Upper
168 100
99 52.4 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.924 min Scan# 509
Delta R.T. -0.042 min
Lab File: VY014339.D
Acq: 21 Jun 2023 16:31

Tgt Ion: 59 Resp: 4012
Ion Ratio Lower Upper
59 100
57 0.6 3.0 4.4#

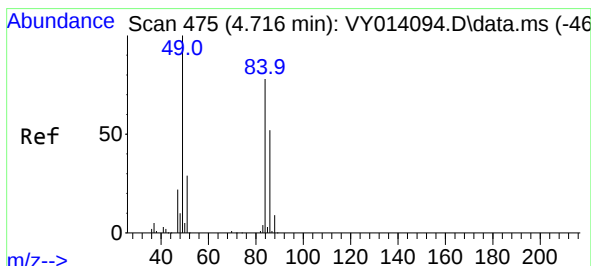
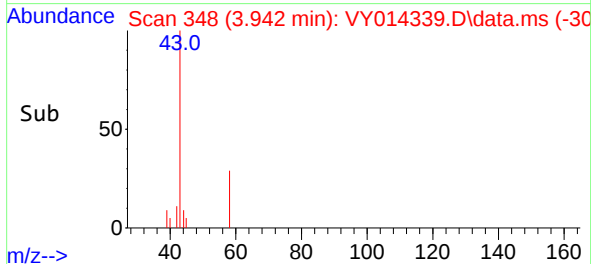
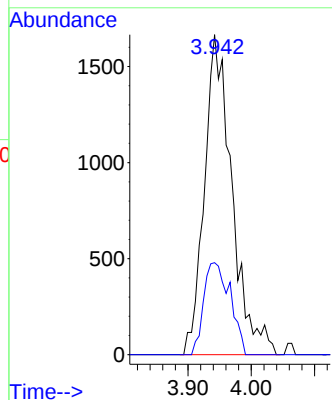
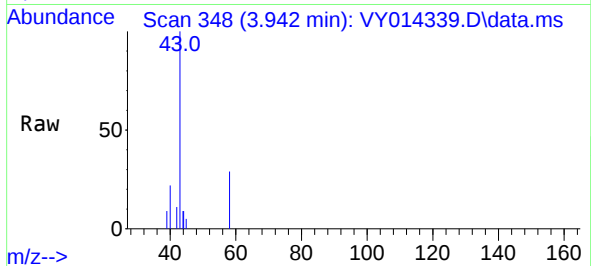




#16
Acetone
Concen: 6.561 ug/l
RT: 3.942 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY014339.D
Acq: 21 Jun 2023 16:31

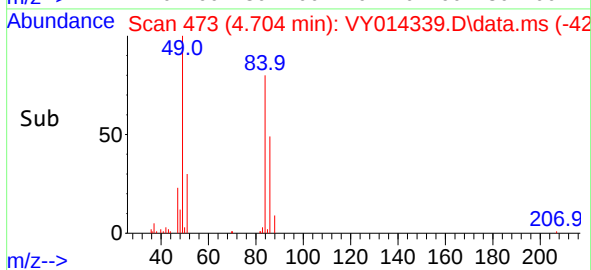
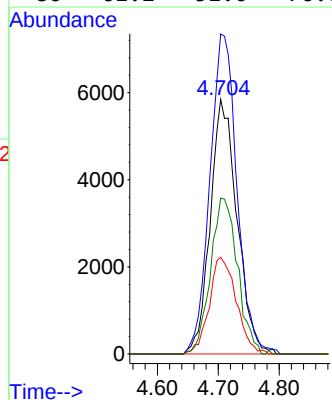
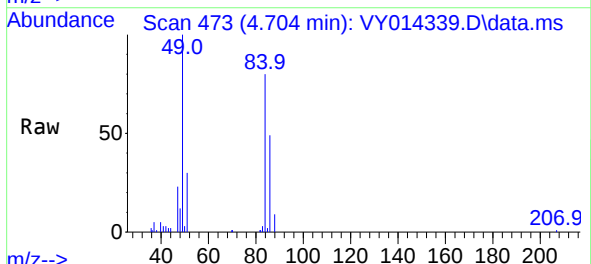
Instrument :
MSVOA_Y
ClientSampleId :
WC-11

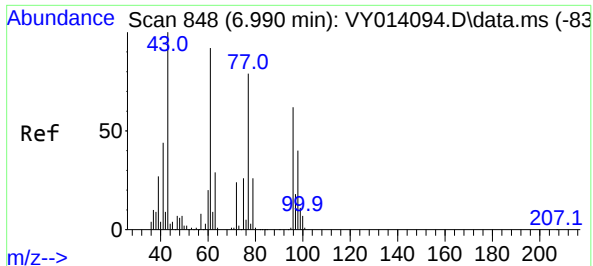
Tgt Ion: 43 Resp: 5034
Ion Ratio Lower Upper
43 100
58 28.8 22.7 34.1



#20
Methylene Chloride
Concen: 4.002 ug/l
RT: 4.704 min Scan# 473
Delta R.T. -0.012 min
Lab File: VY014339.D
Acq: 21 Jun 2023 16:31

Tgt Ion: 84 Resp: 17883
Ion Ratio Lower Upper
84 100
49 125.7 106.9 160.3
51 38.0 33.2 49.8
86 61.2 51.0 76.6





#25

2-Butanone

Concen: 7.176 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.012 min

Lab File: VY014339.D

Acq: 21 Jun 2023 16:31

Instrument :

MSVOA_Y

ClientSampleId :

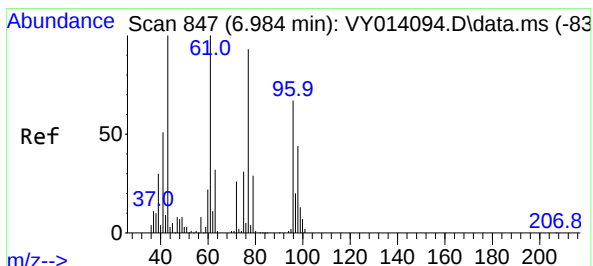
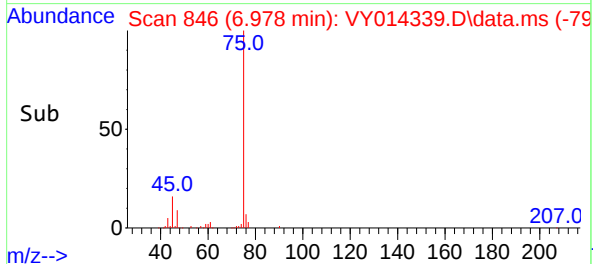
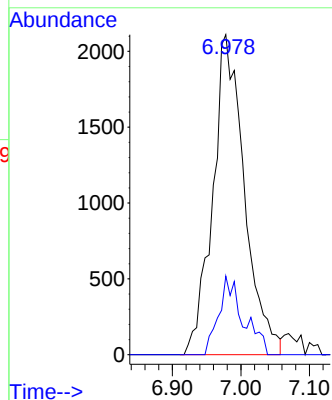
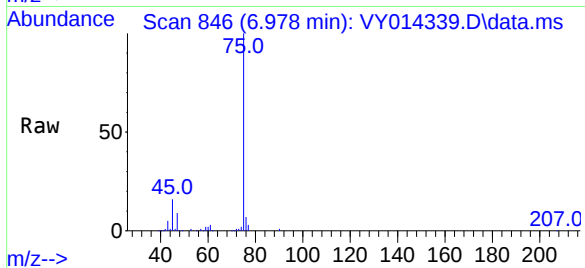
WC-11

Tgt Ion: 43 Resp: 6778

Ion Ratio Lower Upper

43 100

72 24.5 20.5 30.7



#26

2,2-Dichloropropane

Concen: 1.290 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.012 min

Lab File: VY014339.D

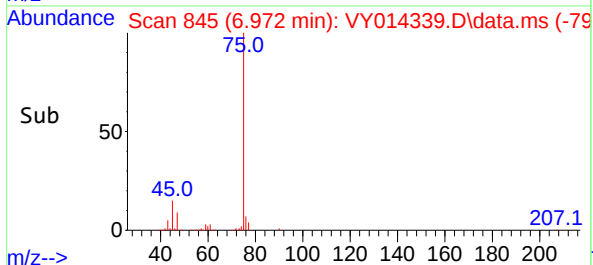
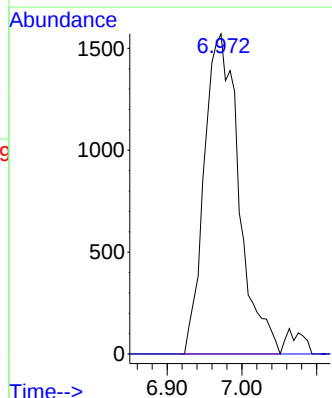
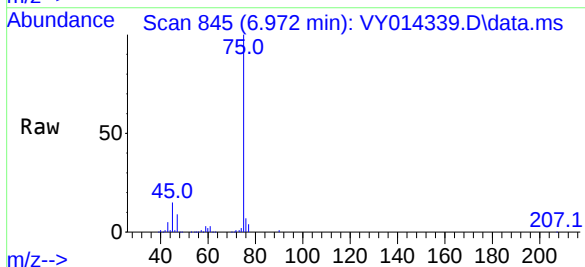
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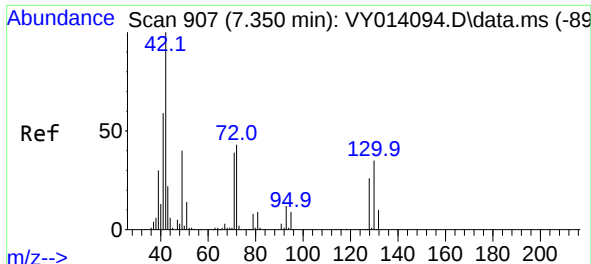
Tgt Ion: 77 Resp: 5061

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#



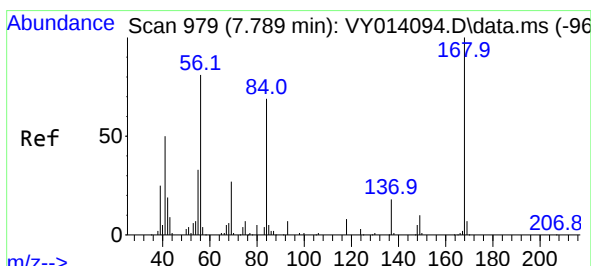
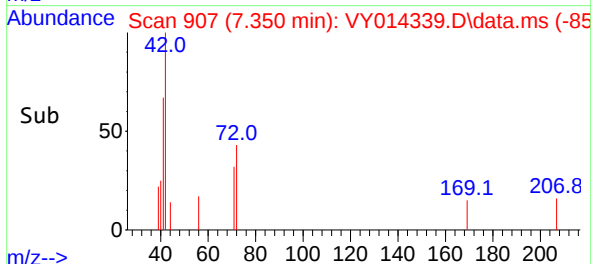
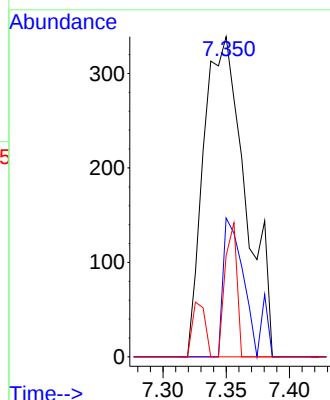
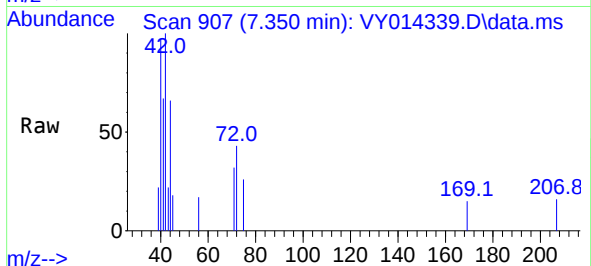


#29
Tetrahydrofuran
Concen: 1.291 ug/l
RT: 7.350 min Scan# 907
Delta R.T. -0.000 min
Lab File: VY014339.D
Acq: 21 Jun 2023 16:31

Instrument :
MSVOA_Y
ClientSampleId :
WC-11

Tgt Ion: 42 Resp: 773

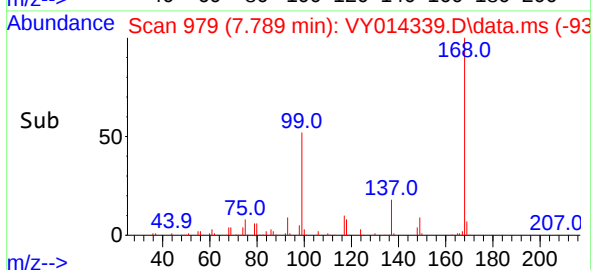
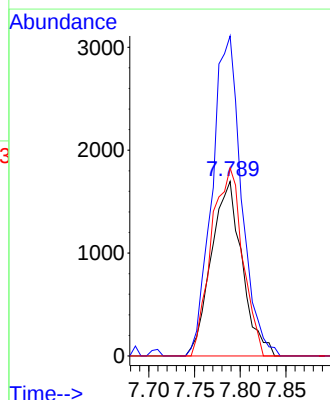
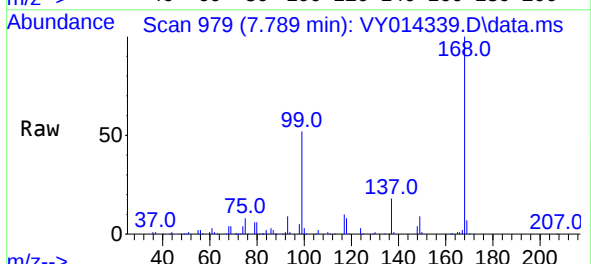
Ion	Ratio	Lower	Upper
42	100		
72	20.2	32.8	49.2#
71	11.8	31.0	46.4#

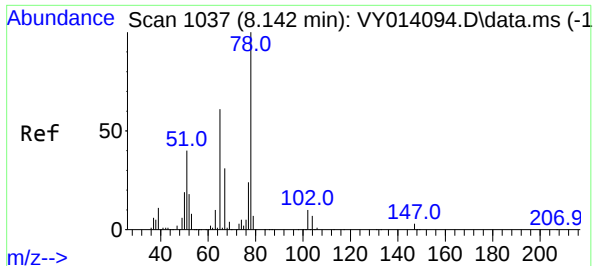


#31
Cyclohexane
Concen: 1.167 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.000 min
Lab File: VY014339.D
Acq: 21 Jun 2023 16:31

Tgt Ion: 56 Resp: 3980

Ion	Ratio	Lower	Upper
56	100		
69	183.3	27.8	41.6#
84	107.7	66.4	99.6#





#33

1,2-Dichloroethane-d4

Concen: 50.799 ug/l

RT: 8.136 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY014339.D

Acq: 21 Jun 2023 16:31

Instrument :

MSVOA_Y

ClientSampleId :

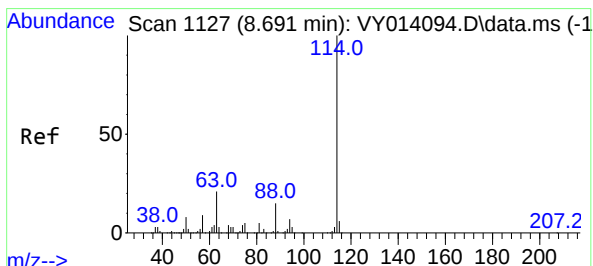
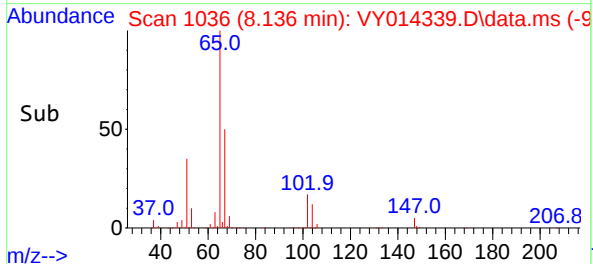
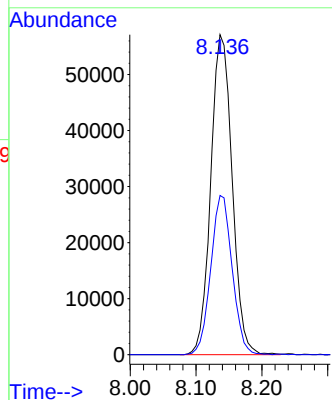
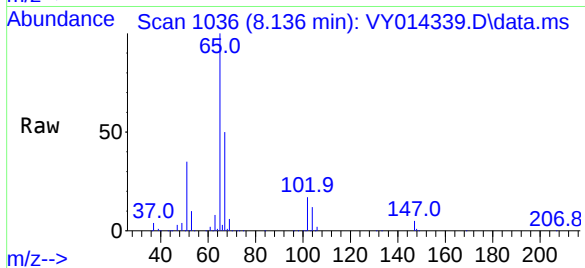
WC-11

Tgt Ion: 65 Resp: 129313

Ion Ratio Lower Upper

65 100

67 49.8 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: VY014339.D

Acq: 21 Jun 2023 16:31

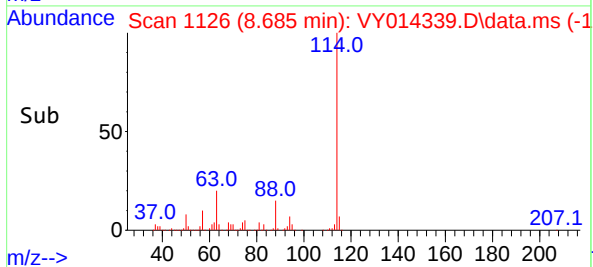
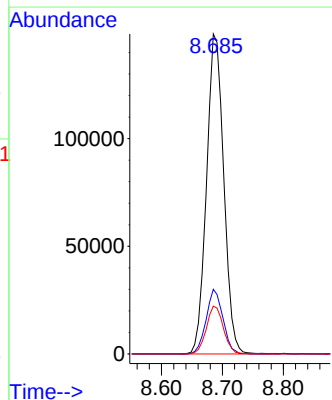
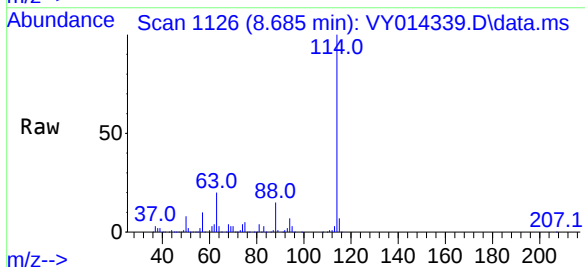
Tgt Ion: 114 Resp: 292340

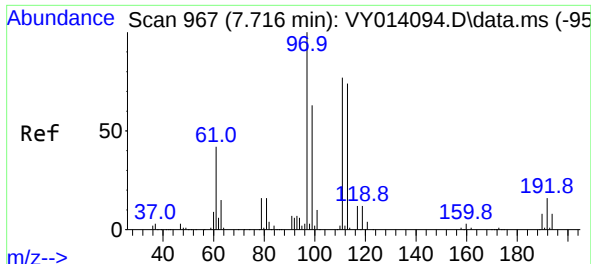
Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.4

88 15.0 0.0 30.6

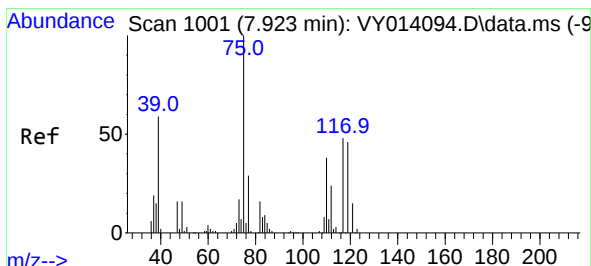
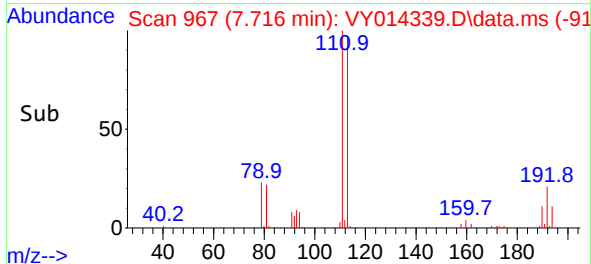
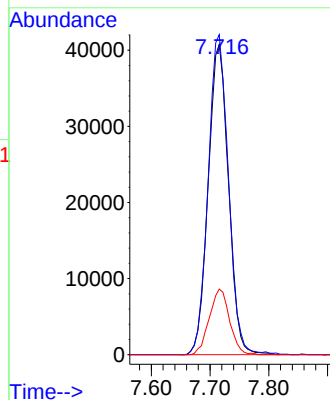
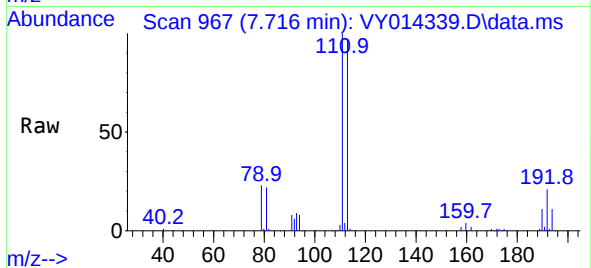




#35
Dibromofluoromethane
Concen: 47.233 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014339.D
Acq: 21 Jun 2023 16:31

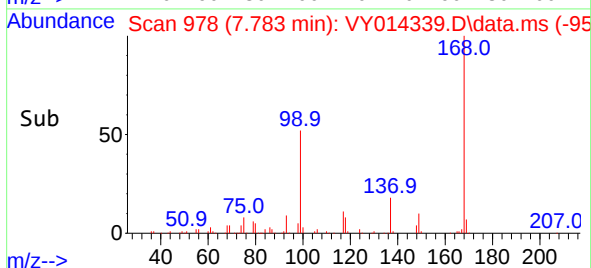
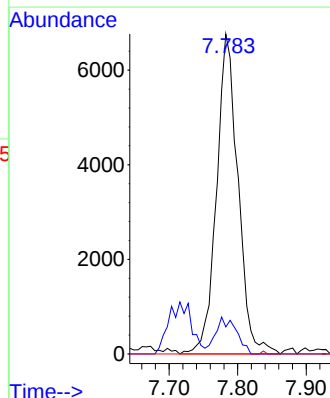
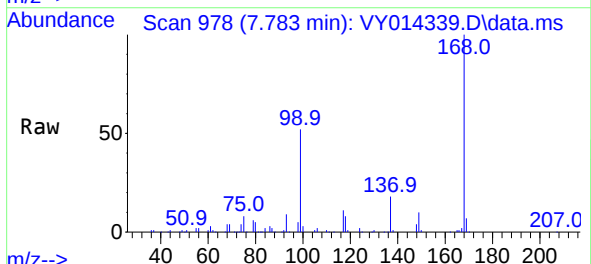
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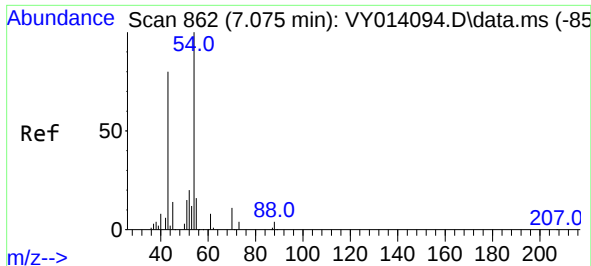
Tgt Ion:113 Resp: 97924
Ion Ratio Lower Upper
113 100
111 103.0 81.3 121.9
192 21.1 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.551 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.140 min
Lab File: VY014339.D
Acq: 21 Jun 2023 16:31

Tgt Ion: 75 Resp: 14708
Ion Ratio Lower Upper
75 100
110 11.1 17.8 53.5#
77 0.0 24.4 36.6#

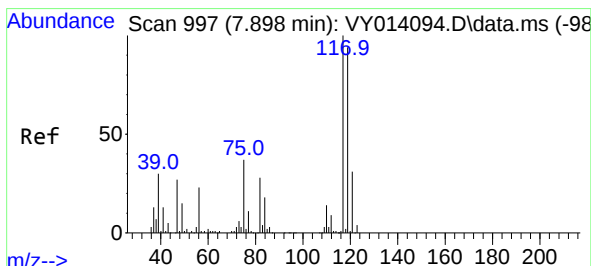
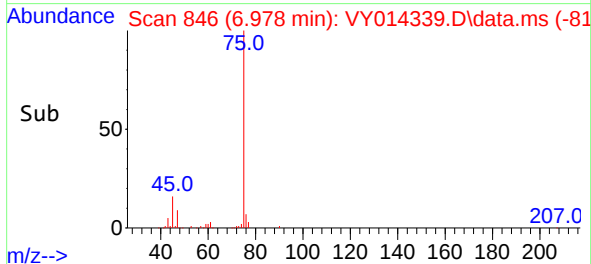
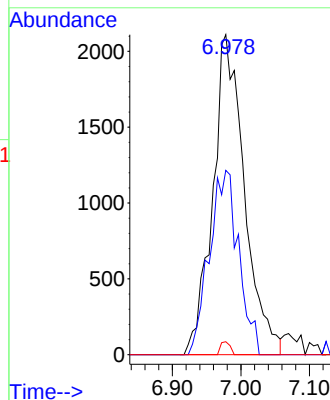
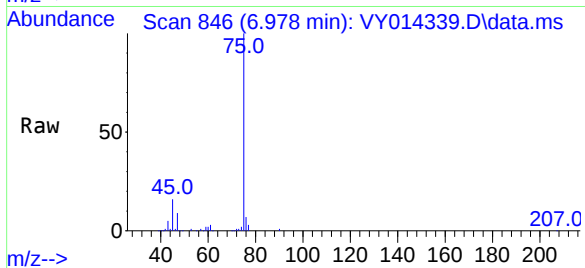




#37
Ethyl Acetate
Concen: 3.039 ug/l
RT: 6.978 min Scan# 84
Delta R.T. -0.097 min
Lab File: VY014339.D
Acq: 21 Jun 2023 16:31

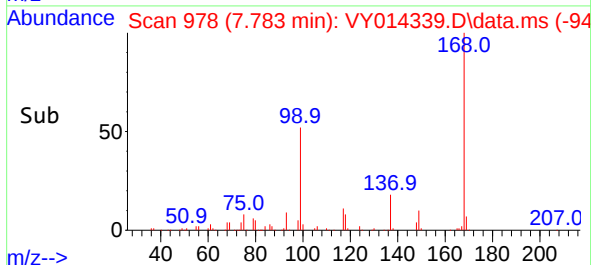
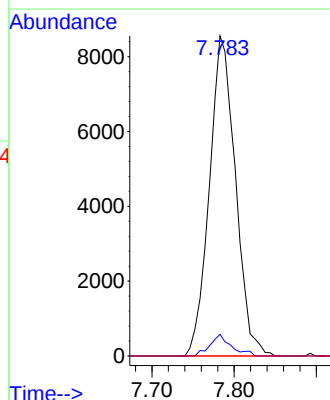
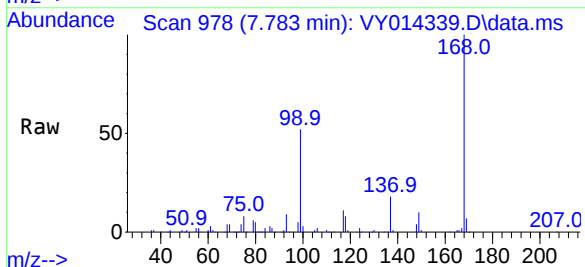
Instrument :
MSVOA_Y
ClientSampleId :
WC-11

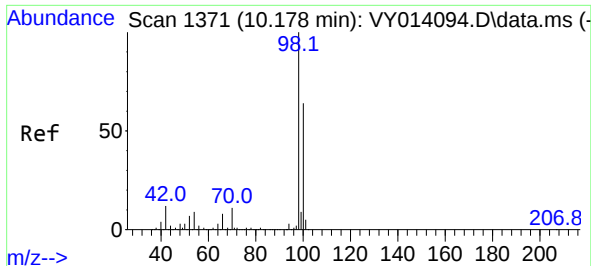
Tgt Ion: 43 Resp: 6778
Ion Ratio Lower Upper
43 100
61 53.2 10.1 15.1#
70 1.2 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 5.057 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.115 min
Lab File: VY014339.D
Acq: 21 Jun 2023 16:31

Tgt Ion: 117 Resp: 18861
Ion Ratio Lower Upper
117 100
119 6.7 76.4 114.6#
121 0.0 25.8 38.6#

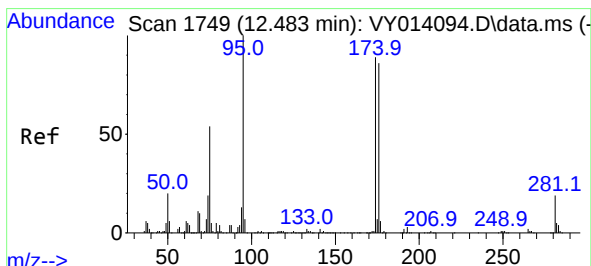
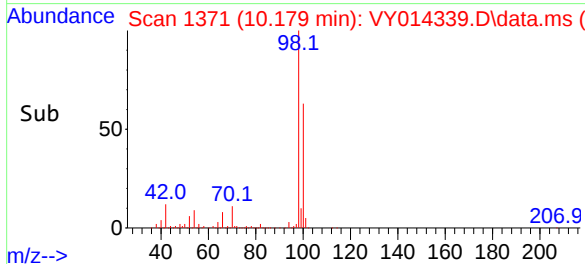
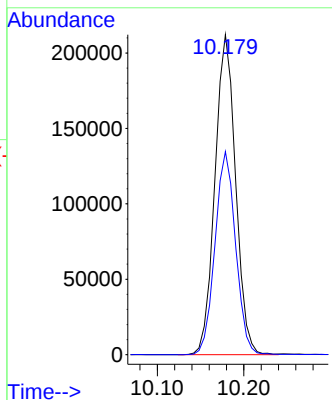
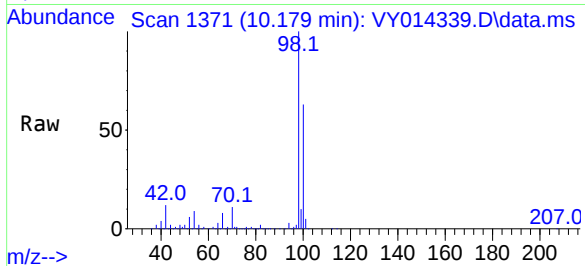




#50
Toluene-d8
Concen: 45.404 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY014339.D
Acq: 21 Jun 2023 16:31

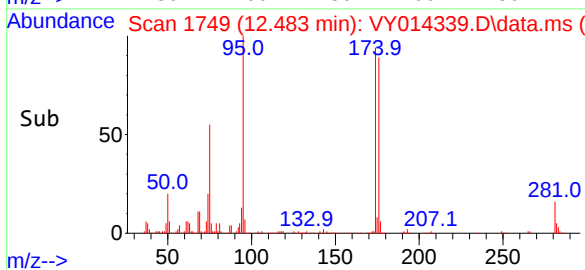
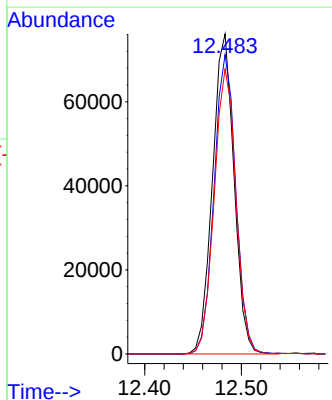
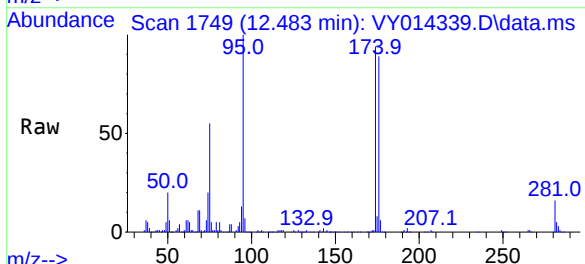
Instrument :
MSVOA_Y
ClientSampleId :
WC-11

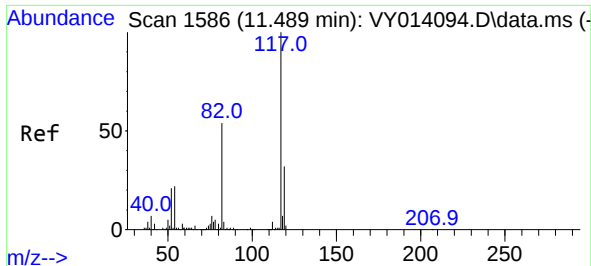
Tgt Ion: 98 Resp: 351925
Ion Ratio Lower Upper
98 100
100 63.3 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 42.829 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014339.D
Acq: 21 Jun 2023 16:31

Tgt Ion: 95 Resp: 117922
Ion Ratio Lower Upper
95 100
174 94.2 0.0 178.2
176 90.0 0.0 173.8

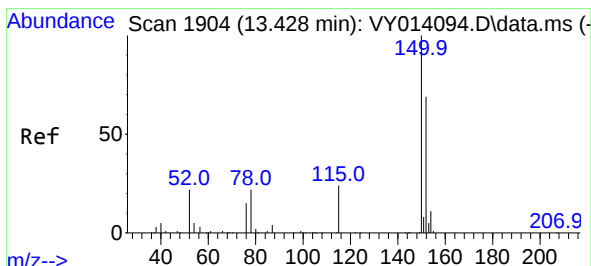
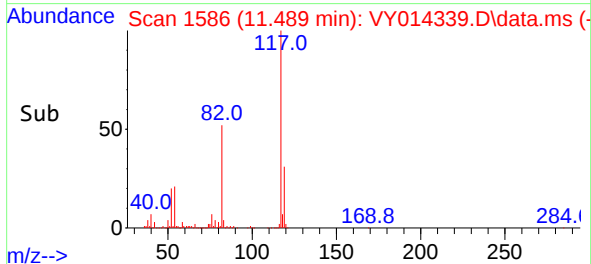
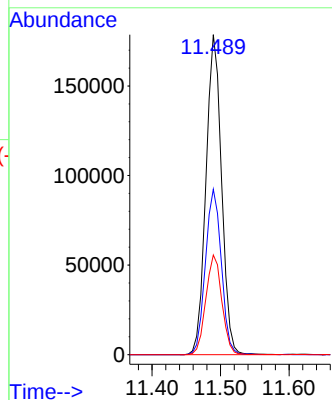
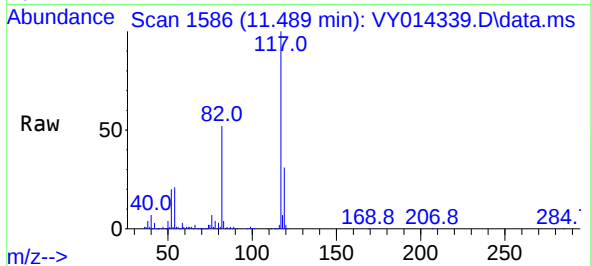




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VY014339.D
Acq: 21 Jun 2023 16:31

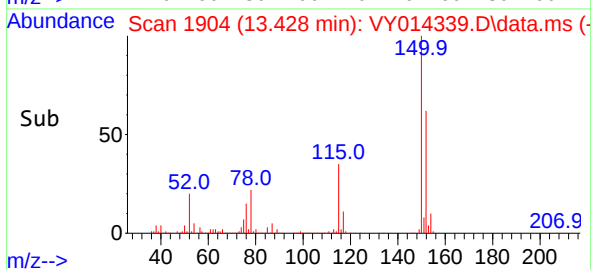
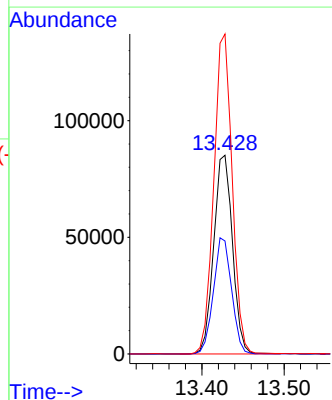
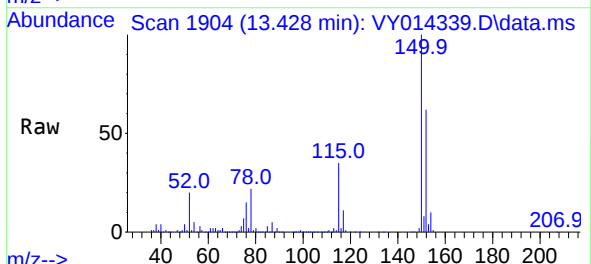
Instrument :
MSVOA_Y
ClientSampleId :
WC-11

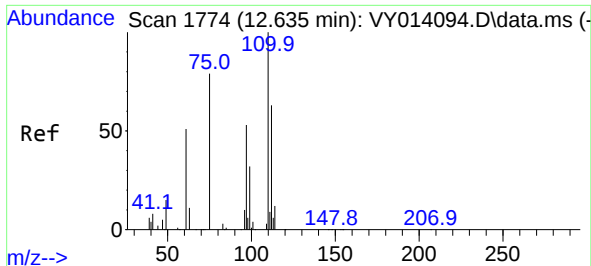
Tgt Ion:117 Resp: 283065
Ion Ratio Lower Upper
117 100
82 51.7 43.4 65.0
119 31.1 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY014339.D
Acq: 21 Jun 2023 16:31

Tgt Ion:152 Resp: 135042
Ion Ratio Lower Upper
152 100
115 56.6 28.8 86.5
150 157.6 0.0 348.8

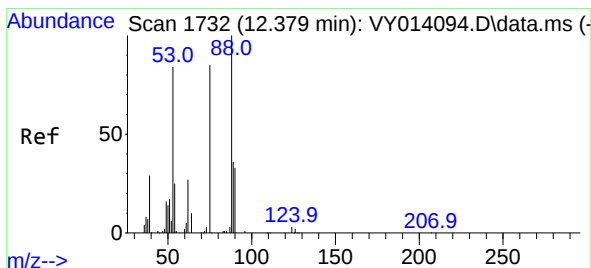
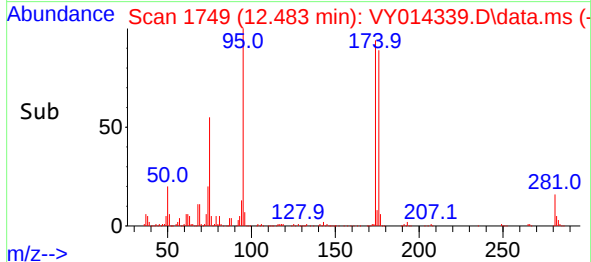
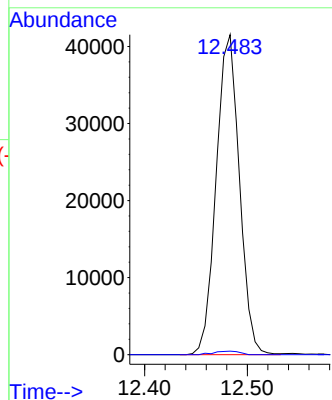
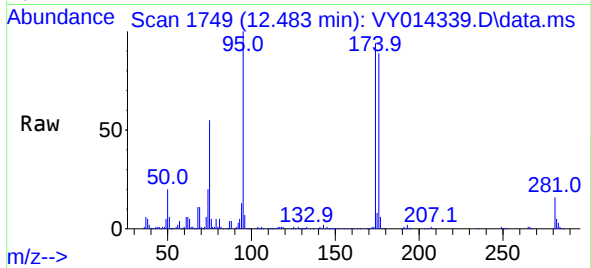




#76
1,2,3-Trichloropropane
Concen: 36.724 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY014339.D
Acq: 21 Jun 2023 16:31

Instrument :
MSVOA_Y
ClientSampleId :
WC-11

Tgt Ion: 75 Resp: 65065
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 79.384 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY014339.D
Acq: 21 Jun 2023 16:31

Tgt Ion: 75 Resp: 65065
Ion Ratio Lower Upper
75 100
53 0.7 77.8 116.8#
89 0.0 37.4 56.0#

