

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102422\
 Data File : VY011069.D
 Acq On : 24 Oct 2022 15:13
 Operator : KP/MD
 Sample : N5254-07
 Misc : 6.96g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-3-102122

Quant Time: Oct 25 05:46:39 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)

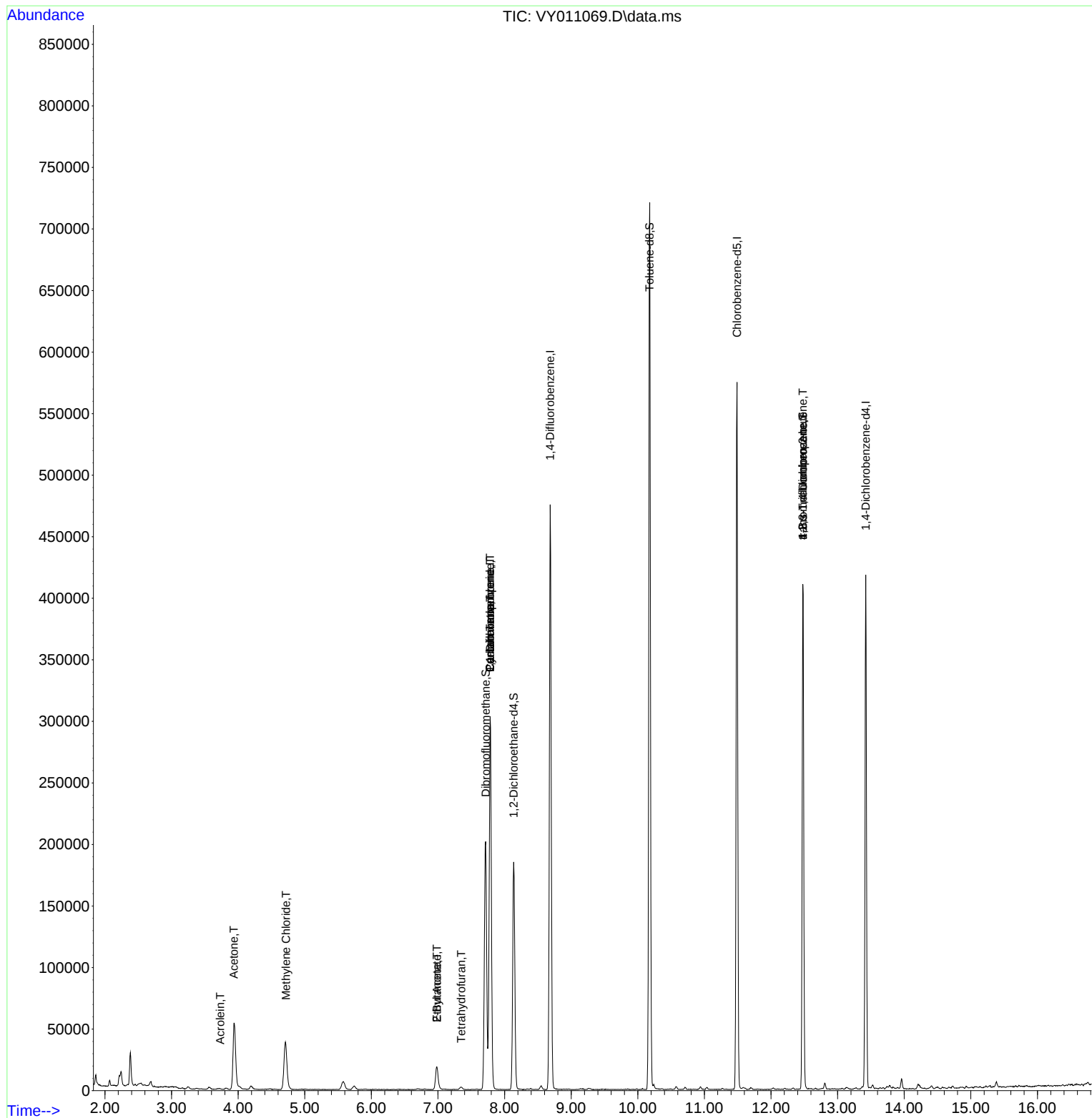
Internal Standards						
1) Pentafluorobenzene	7.783	168	236578	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	410474	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	321409	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	107677	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	141955	65.140	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 130.280%		
35) Dibromofluoromethane	7.716	113	148001	65.344	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 130.680%		
50) Toluene-d8	10.179	98	483936	56.464	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	= 112.920%		
62) 4-Bromofluorobenzene	12.477	95	128607	41.861	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144	Recovery	= 83.720%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.930	59	218	Below Cal	#	77
13) Acrolein	3.729	56	711	2.024	ug/l #	64
16) Acetone	3.936	43	95481	150.876	ug/l #	83
18) Methyl Acetate	4.479	43	1099	Below Cal	#	76
20) Methylene Chloride	4.716	84	30693	5.508	ug/l #	80
25) 2-Butanone	6.984	43	30913	32.210	ug/l	92
29) Tetrahydrofuran	7.350	42	1594	2.700	ug/l #	91
31) Cyclohexane	7.783	56	4796	1.150	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	17569	4.598	ug/l #	51
37) Ethyl Acetate	6.984	43	30913	14.612	ug/l #	72
38) Carbon Tetrachloride	7.783	117	23347	5.919	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	63699	52.106	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	63699	112.066	ug/l #	7

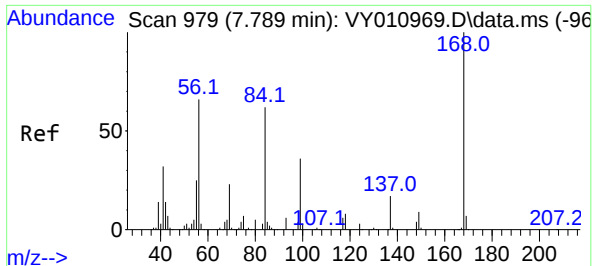
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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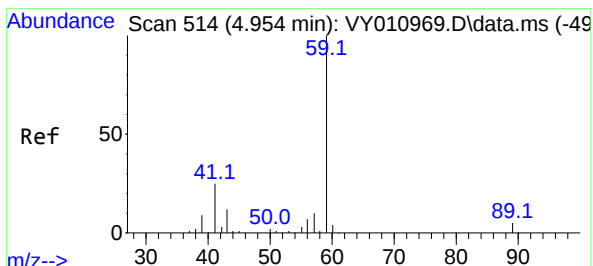
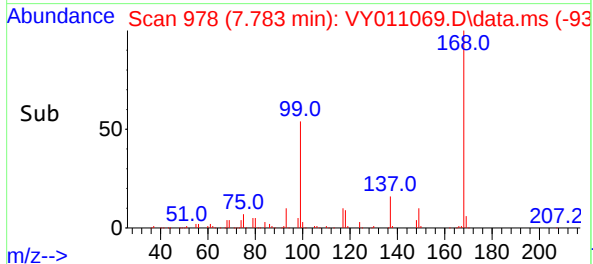
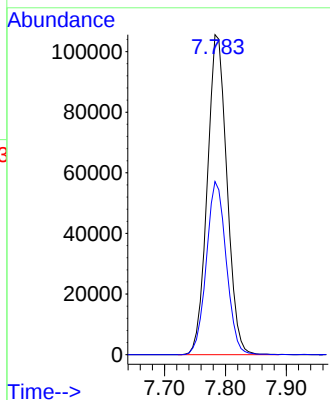
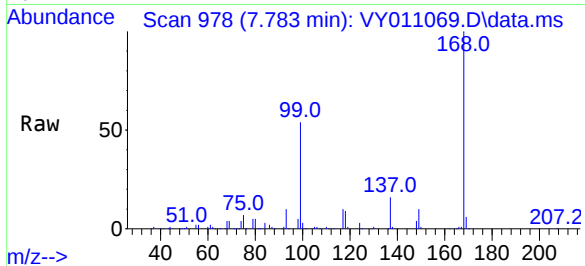




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011069.D
Acq: 24 Oct 2022 15:13

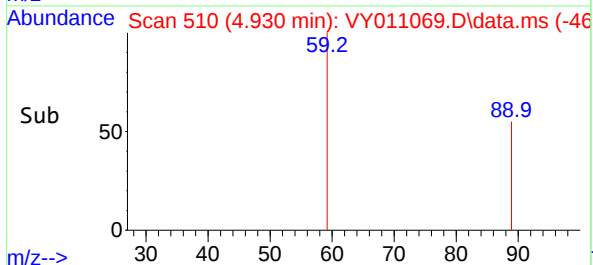
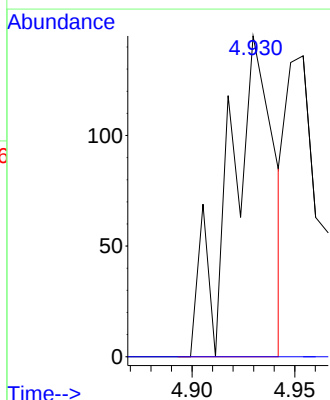
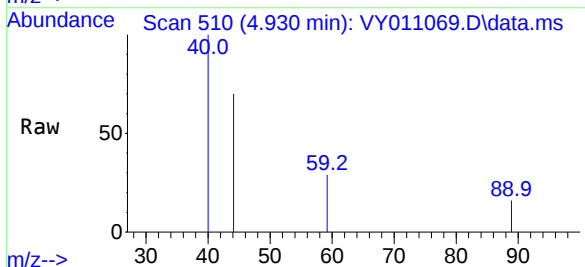
Instrument :
MSVOA_Y
ClientSampleId :
WC-3-102122

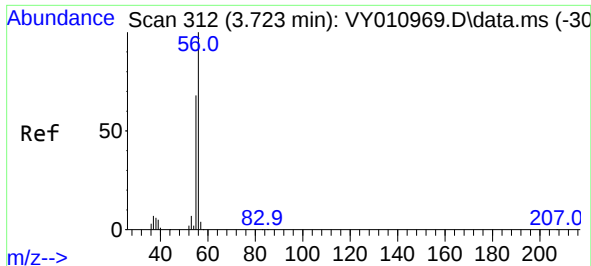
Tgt Ion:168 Resp: 236578
Ion Ratio Lower Upper
168 100
99 54.1 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 510
Delta R.T. -0.024 min
Lab File: VY011069.D
Acq: 24 Oct 2022 15:13

Tgt Ion: 59 Resp: 218
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

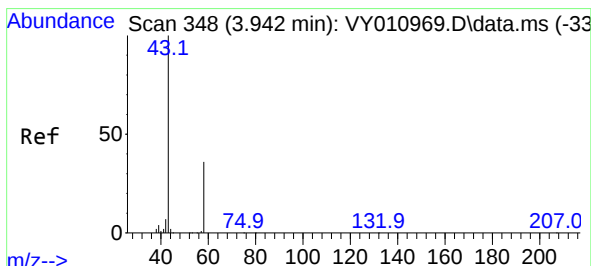
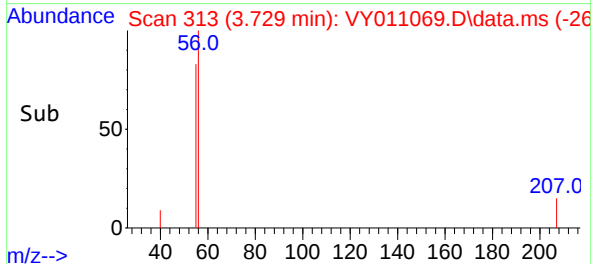
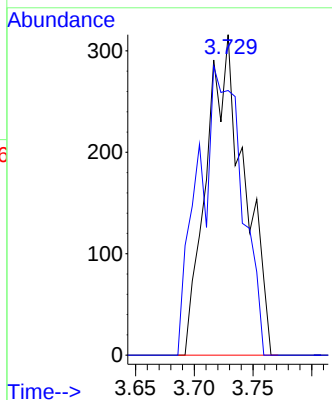
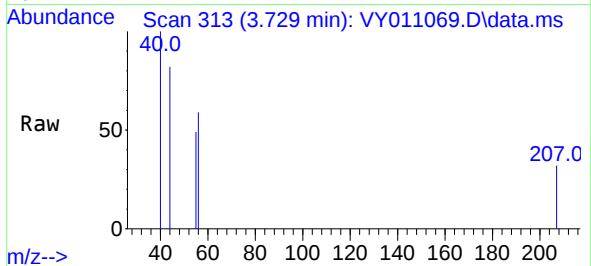




#13
Acrolein
Concen: 2.024 ug/l
RT: 3.729 min Scan# 312
Delta R.T. 0.006 min
Lab File: VY011069.D
Acq: 24 Oct 2022 15:13

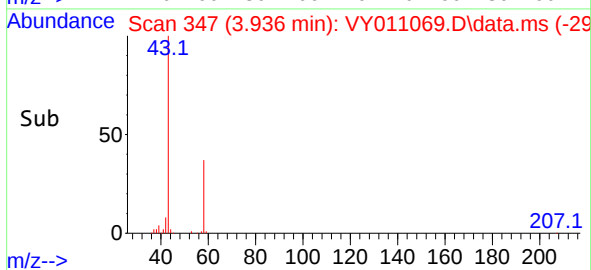
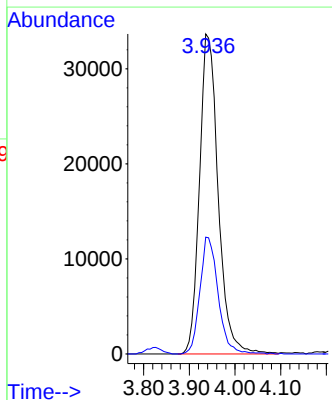
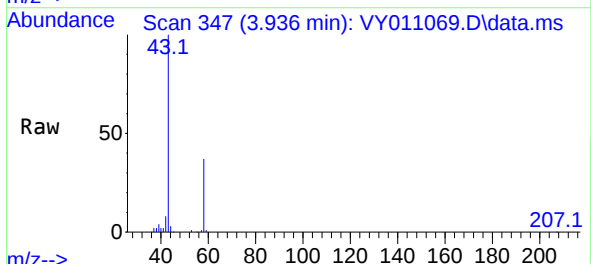
Instrument :
MSVOA_Y
ClientSampleId :
WC-3-102122

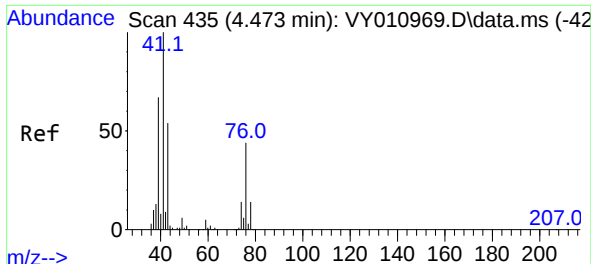
Tgt Ion: 56 Resp: 711
Ion Ratio Lower Upper
56 100
55 102.1 57.6 86.4#



#16
Acetone
Concen: 150.876 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.006 min
Lab File: VY011069.D
Acq: 24 Oct 2022 15:13

Tgt Ion: 43 Resp: 95481
Ion Ratio Lower Upper
43 100
58 36.5 22.0 33.0#

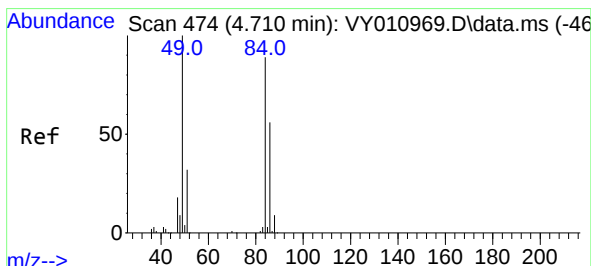
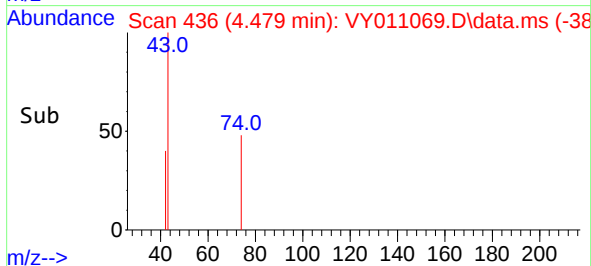
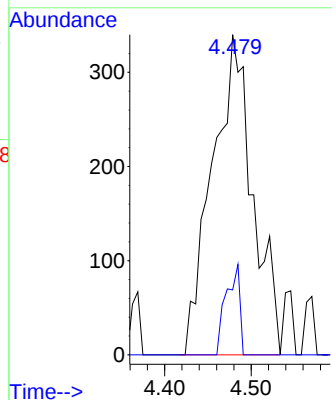
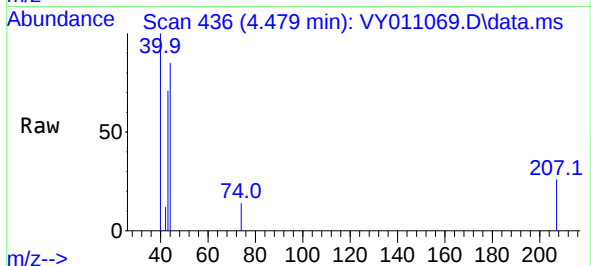




#18
Methyl Acetate
Concen: Below Cal
RT: 4.479 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY011069.D
Acq: 24 Oct 2022 15:13

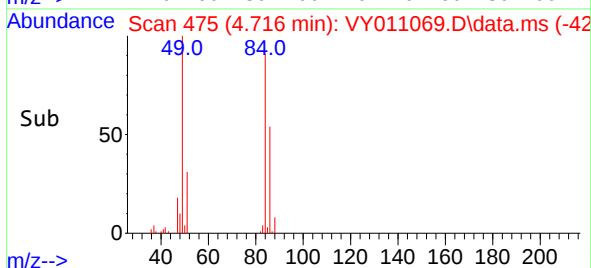
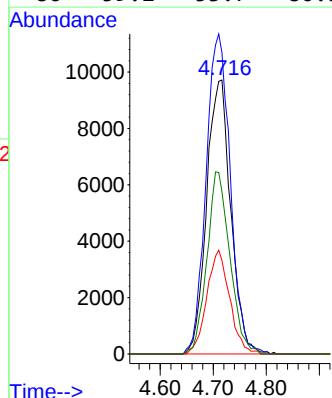
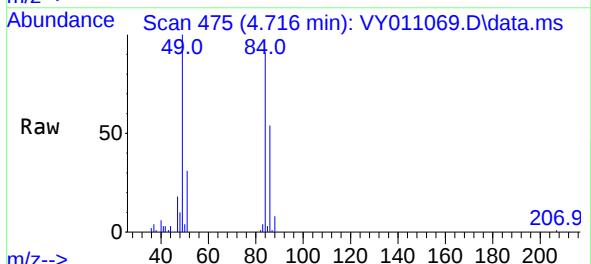
Instrument :
MSVOA_Y
ClientSampleId :
WC-3-102122

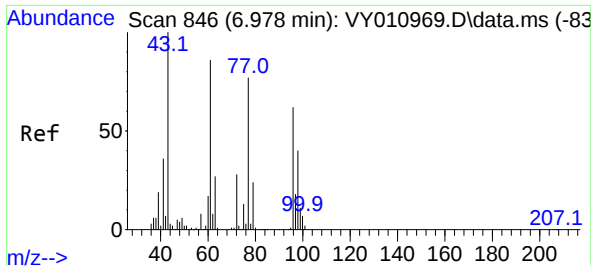
Tgt Ion: 43 Resp: 1099
Ion Ratio Lower Upper
43 100
74 9.6 16.6 24.8#



#20
Methylene Chloride
Concen: 5.508 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY011069.D
Acq: 24 Oct 2022 15:13

Tgt Ion: 84 Resp: 30693
Ion Ratio Lower Upper
84 100
49 110.0 114.4 171.6#
51 34.2 35.3 52.9#
86 59.2 53.7 80.5

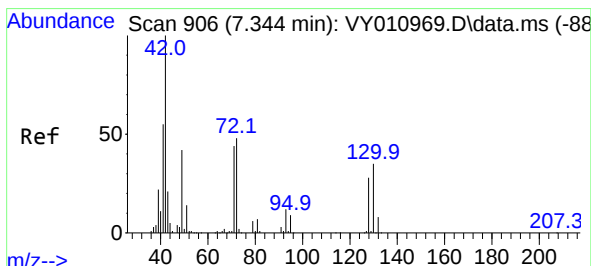
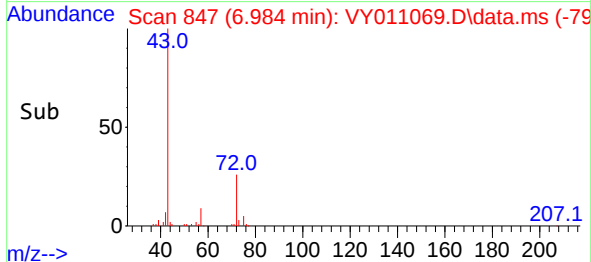
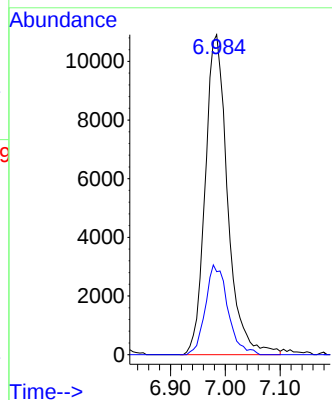
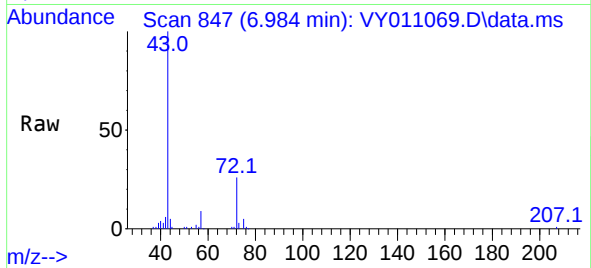




#25
2-Butanone
Concen: 32.210 ug/l
RT: 6.984 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY011069.D
Acq: 24 Oct 2022 15:13

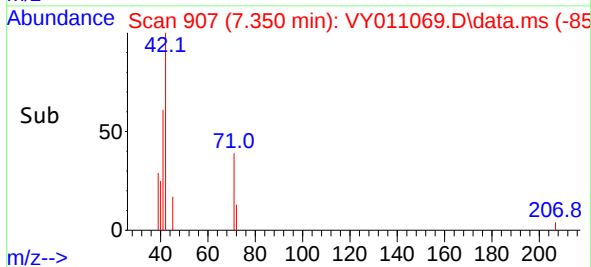
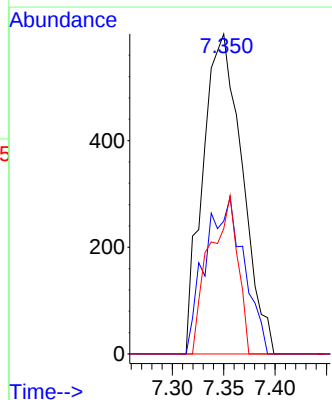
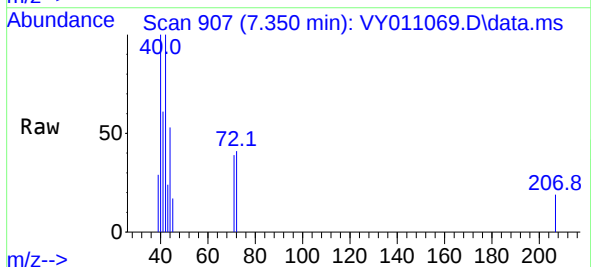
Instrument :
MSVOA_Y
ClientSampleId :
WC-3-102122

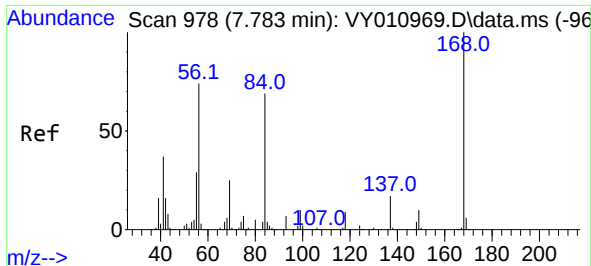
Tgt Ion: 43 Resp: 30913
Ion Ratio Lower Upper
43 100
72 25.9 17.7 26.5



#29
Tetrahydrofuran
Concen: 2.700 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY011069.D
Acq: 24 Oct 2022 15:13

Tgt Ion: 42 Resp: 1594
Ion Ratio Lower Upper
42 100
72 48.1 30.3 45.5#
71 35.6 29.0 43.4

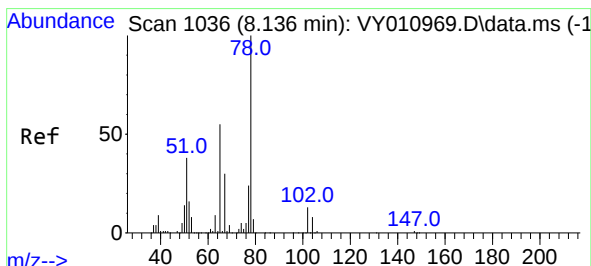
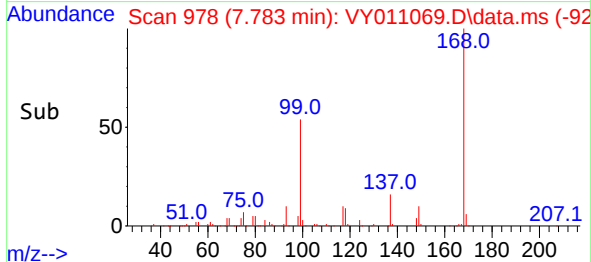
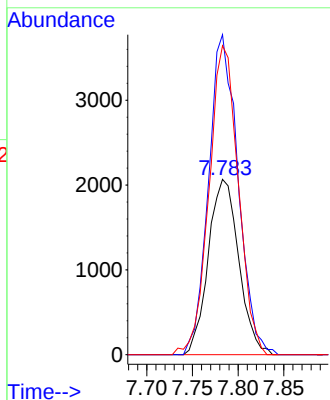
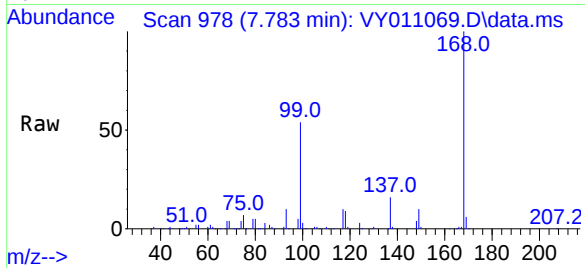




#31
Cyclohexane
Concen: 1.150 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011069.D
Acq: 24 Oct 2022 15:13

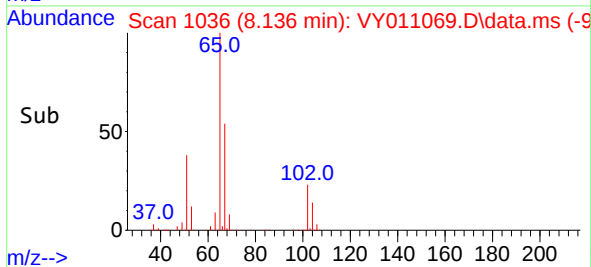
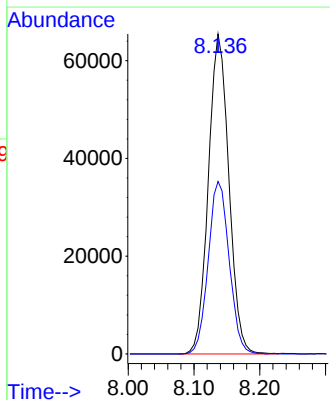
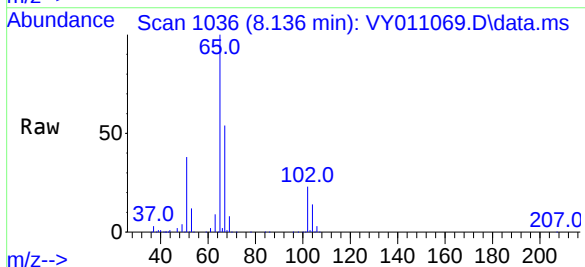
Instrument :
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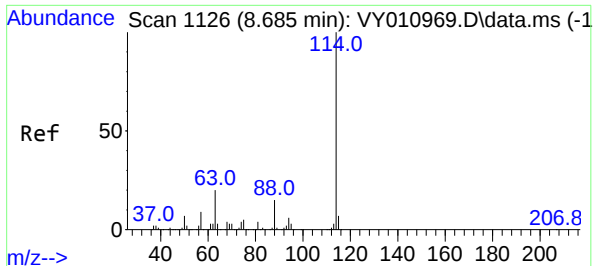
Tgt Ion: 56 Resp: 4796
Ion Ratio Lower Upper
56 100
69 182.5 26.7 40.1#
84 176.2 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 65.140 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY011069.D
Acq: 24 Oct 2022 15:13

Tgt Ion: 65 Resp: 141955
Ion Ratio Lower Upper
65 100
67 55.0 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: VY011069.D

Acq: 24 Oct 2022 15:13

Instrument :

MSVOA_Y

ClientSampleId :

WC-3-102122

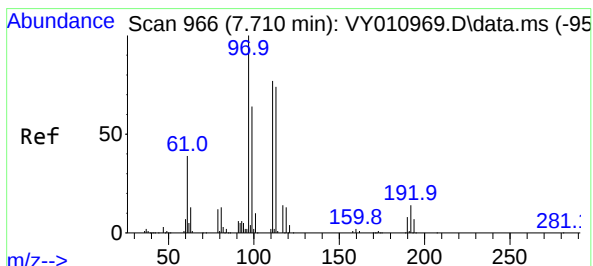
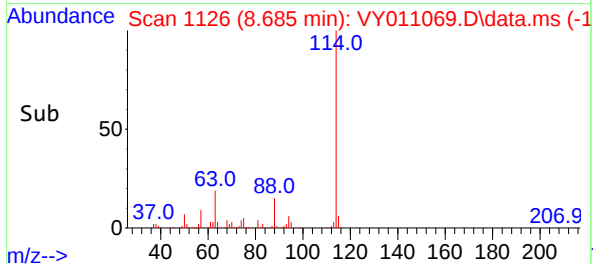
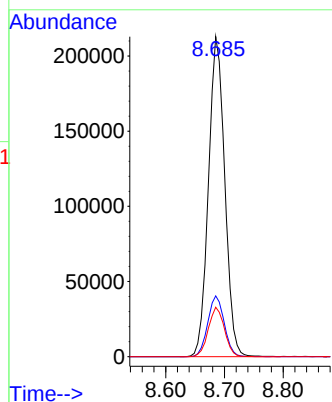
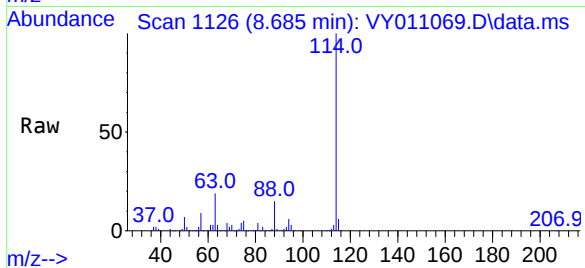
Tgt Ion:114 Resp: 410474

Ion Ratio Lower Upper

114 100

63 19.0 0.0 43.2

88 15.4 0.0 31.8



#35

Dibromofluoromethane

Concen: 65.344 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY011069.D

Acq: 24 Oct 2022 15:13

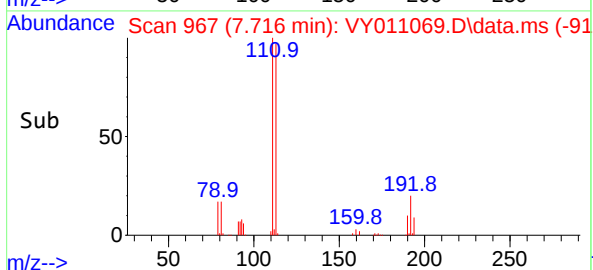
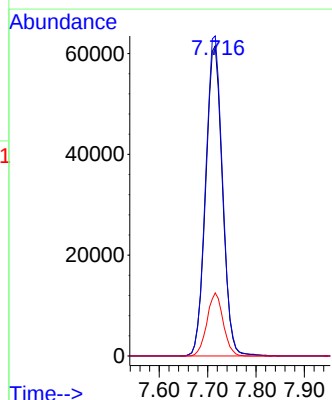
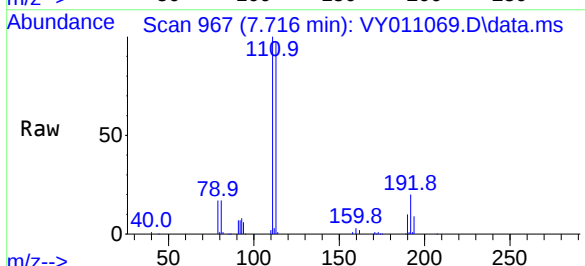
Tgt Ion:113 Resp: 148001

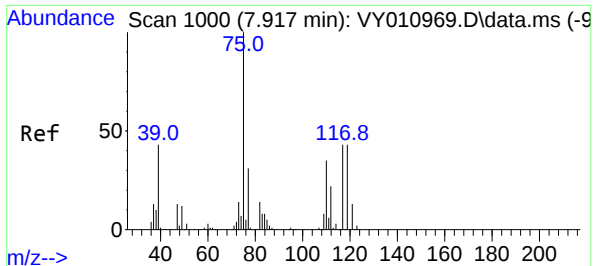
Ion Ratio Lower Upper

113 100

111 103.4 82.6 124.0

192 19.7 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.598 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY011069.D

Acq: 24 Oct 2022 15:13

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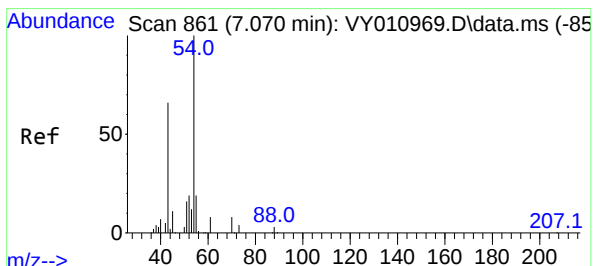
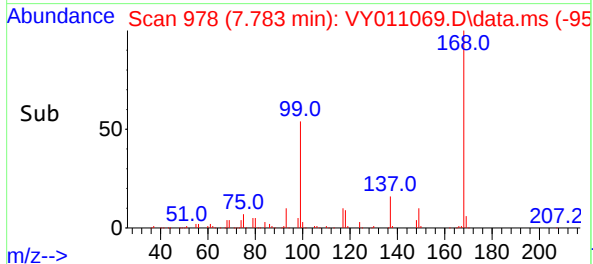
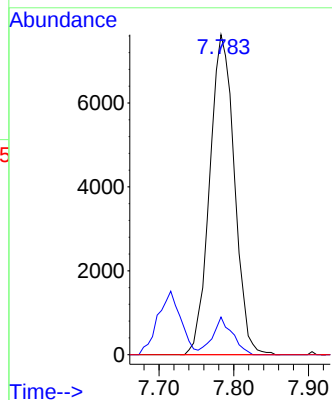
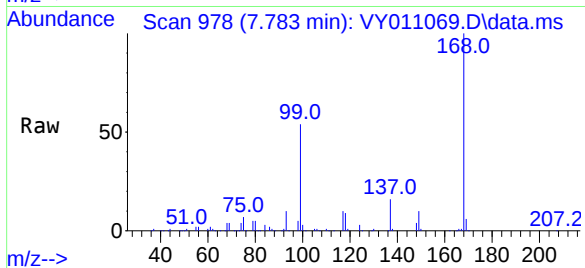
Tgt Ion: 75 Resp: 17569

Ion Ratio Lower Upper

75 100

110 9.4 17.1 51.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 14.612 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.086 min

Lab File: VY011069.D

Acq: 24 Oct 2022 15:13

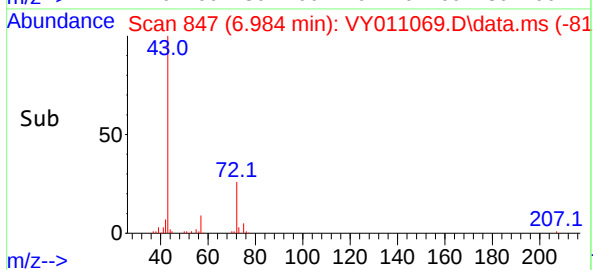
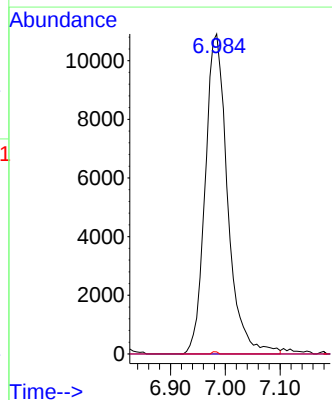
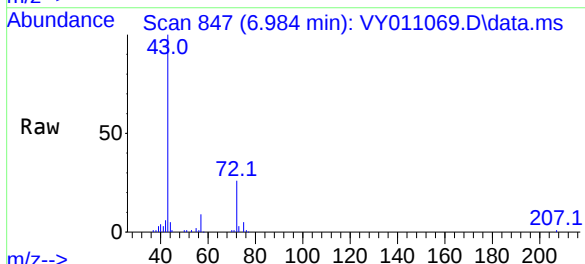
Tgt Ion: 43 Resp: 30913

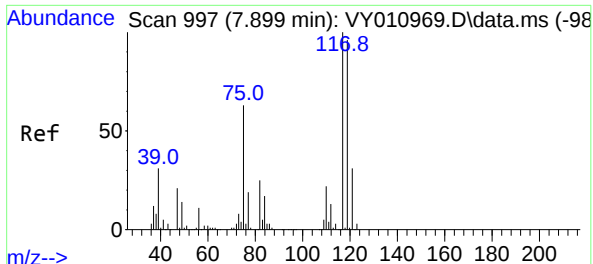
Ion Ratio Lower Upper

43 100

61 0.0 9.7 14.5#

70 0.2 7.1 10.7#

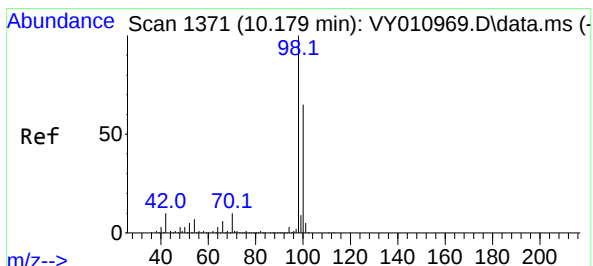
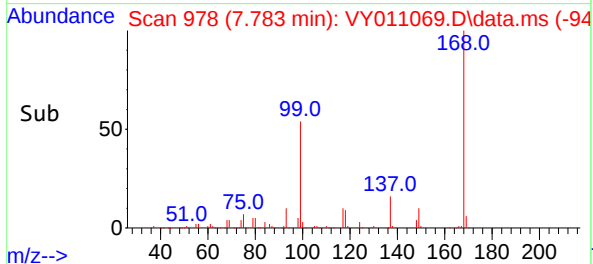
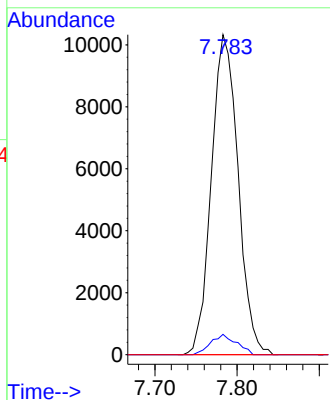
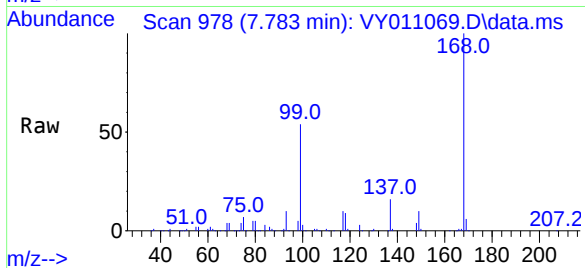




#38
Carbon Tetrachloride
Concen: 5.919 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011069.D
Acq: 24 Oct 2022 15:13

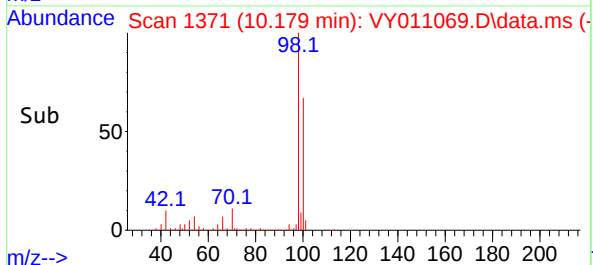
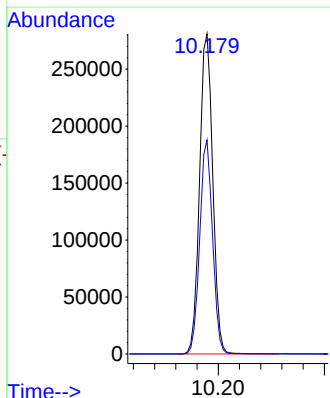
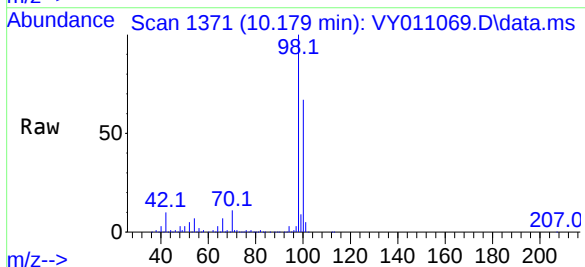
Instrument :
MSVOA_Y
ClientSampleId :
WC-3-102122

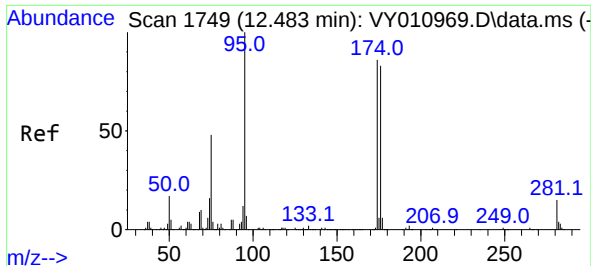
Tgt Ion:117 Resp: 23347
Ion Ratio Lower Upper
117 100
119 6.4 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 56.464 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011069.D
Acq: 24 Oct 2022 15:13

Tgt Ion: 98 Resp: 483936
Ion Ratio Lower Upper
98 100
100 65.0 50.2 75.2

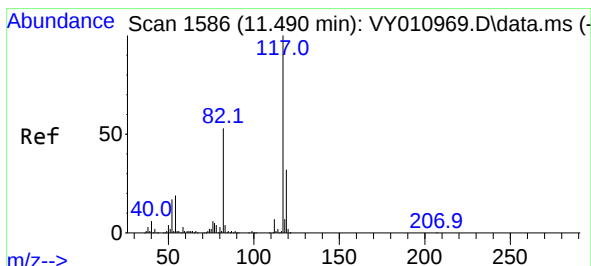
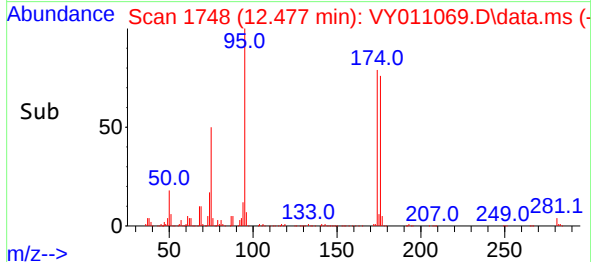
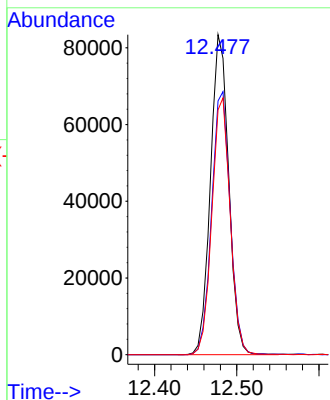
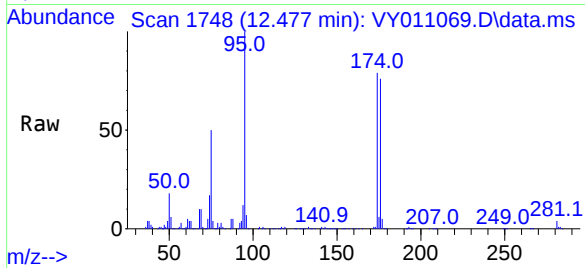




#62
4-Bromofluorobenzene
Concen: 41.861 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY011069.D
Acq: 24 Oct 2022 15:13

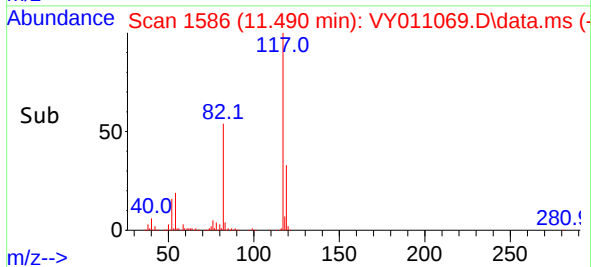
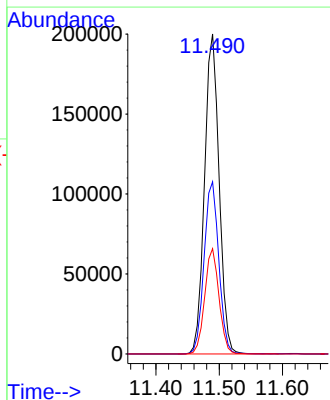
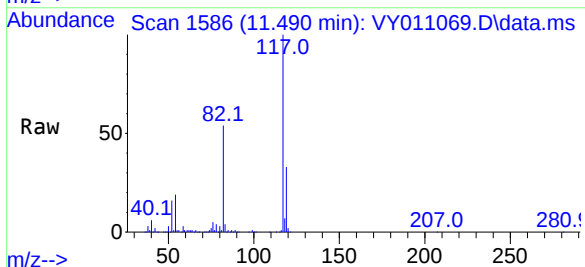
Instrument :
MSVOA_Y
ClientSampleId :
WC-3-102122

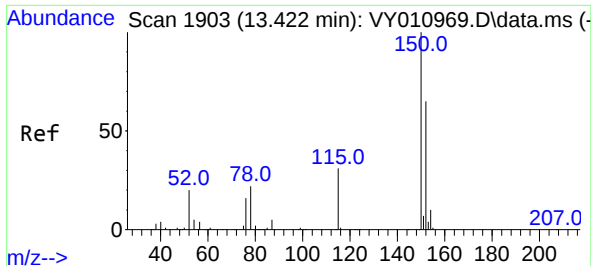
Tgt Ion: 95 Resp: 128607
Ion Ratio Lower Upper
95 100
174 83.5 0.0 177.0
176 80.4 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY011069.D
Acq: 24 Oct 2022 15:13

Tgt Ion: 117 Resp: 321409
Ion Ratio Lower Upper
117 100
82 53.8 43.0 64.4
119 32.9 25.4 38.0

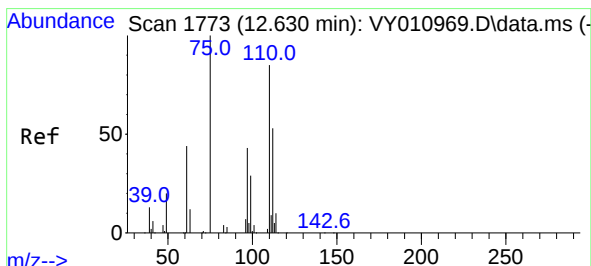
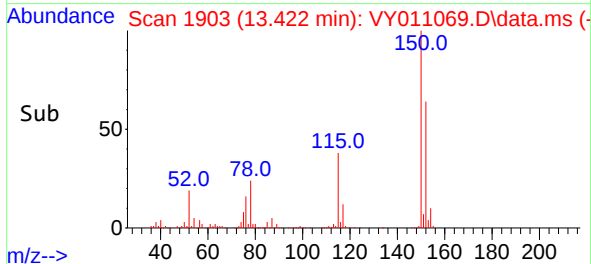
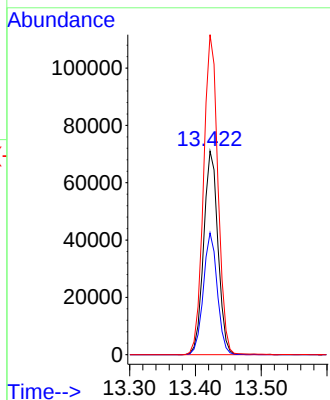
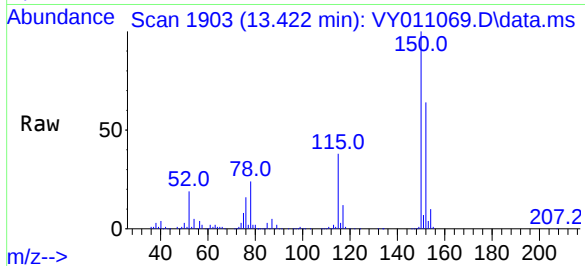




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY011069.D
Acq: 24 Oct 2022 15:13

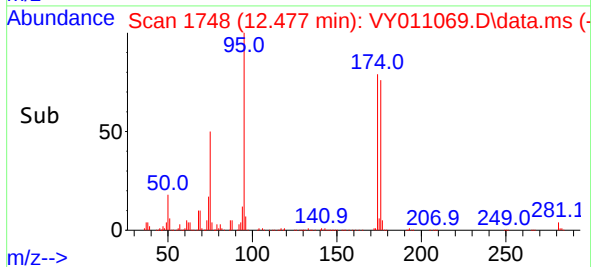
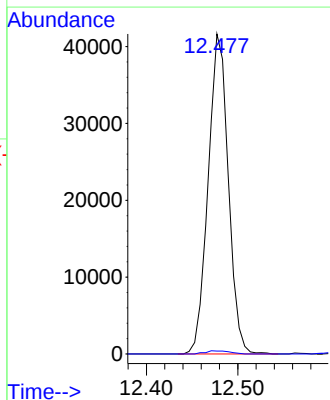
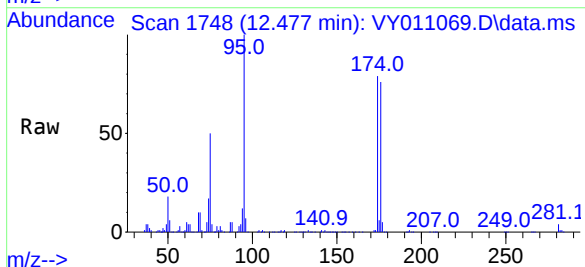
Instrument :
MSVOA_Y
ClientSampleId :
WC-3-102122

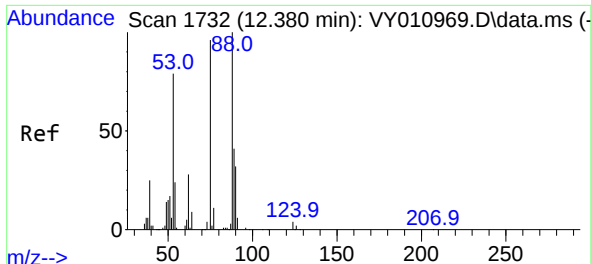
Tgt Ion:152 Resp: 107677
Ion Ratio Lower Upper
152 100
115 58.1 28.2 84.7
150 158.5 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 52.106 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY011069.D
Acq: 24 Oct 2022 15:13

Tgt Ion: 75 Resp: 63699
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 112.066 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY011069.D
Acq: 24 Oct 2022 15:13

Instrument :
MSVOA_Y
ClientSampleId :
WC-3-102122

Tgt Ion: 75 Resp: 63699
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.0 37.0 55.4#

