

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101222\
 Data File : VY010941.D
 Acq On : 12 Oct 2022 14:55
 Operator : KP/MD
 Sample : N5105-09
 Misc : 6.70g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-2

Quant Time: Oct 13 05:35:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 07:26:22 2022
 Response via : Initial Calibration

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

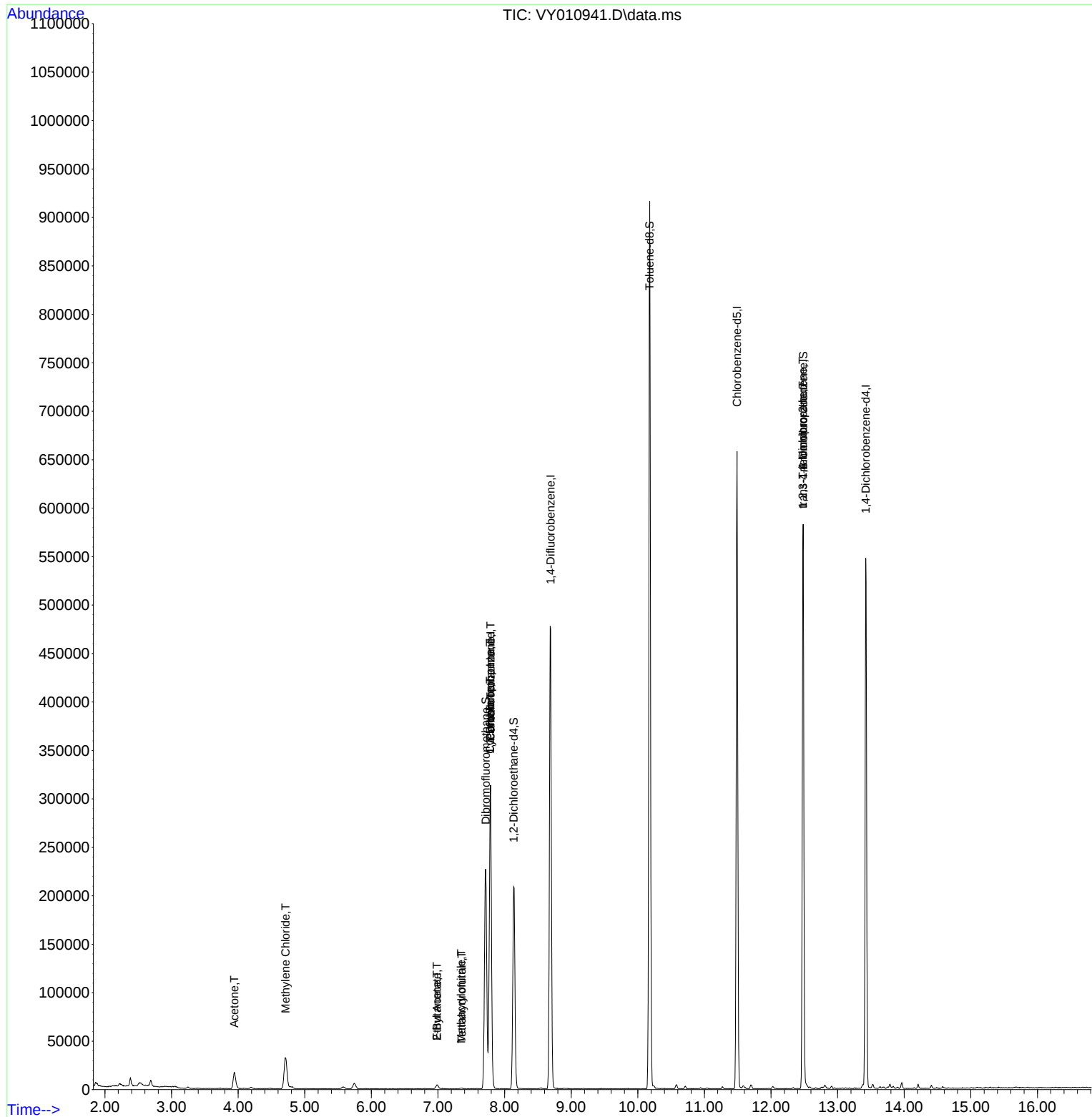
Internal Standards						
1) Pentafluorobenzene	7.789	168	237362	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	414959	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	354894	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	143999	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	164226	68.258	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 136.520%	
35) Dibromofluoromethane	7.716	113	164995	59.900	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 119.800%	
50) Toluene-d8	10.179	98	593457	62.999	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 126.000%	
62) 4-Bromofluorobenzene	12.483	95	178464	48.372	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 96.740%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.930	59	39	Below Cal	#	77
13) Acrolein	3.729	56	564	Below Cal	#	54
16) Acetone	3.942	43	29227	47.831	ug/l #	76
20) Methylene Chloride	4.710	84	25051	4.618	ug/l #	83
25) 2-Butanone	6.984	43	7562	8.608	ug/l #	80
29) Tetrahydrofuran	7.356	42	686	1.328	ug/l #	62
31) Cyclohexane	7.783	56	4838	1.123	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	18204	4.578	ug/l #	51
37) Ethyl Acetate	6.984	43	7562	3.875	ug/l #	72
38) Carbon Tetrachloride	7.789	117	24242	5.853	ug/l #	16
41) Methacrylonitrile	7.350	41	406	2.918	ug/l #	28
76) 1,2,3-Trichloropropane	12.477	75	89347	61.269	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	89347	127.987	ug/l #	7

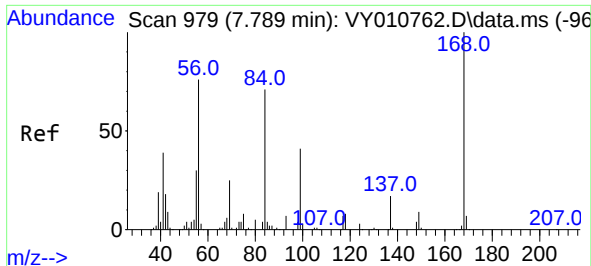
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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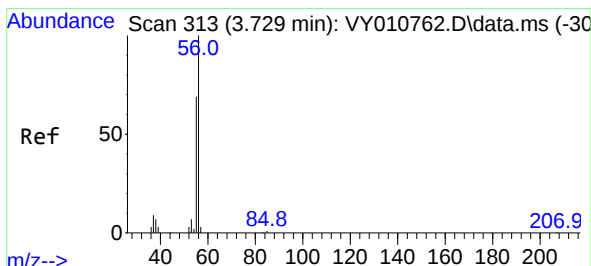
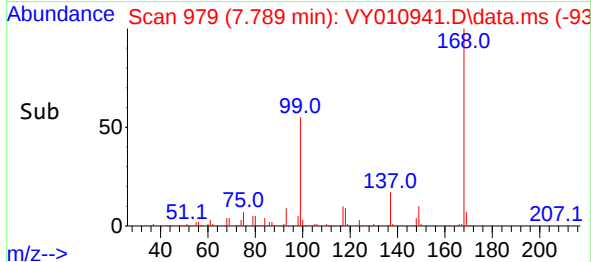
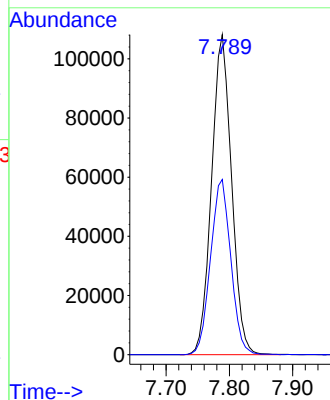
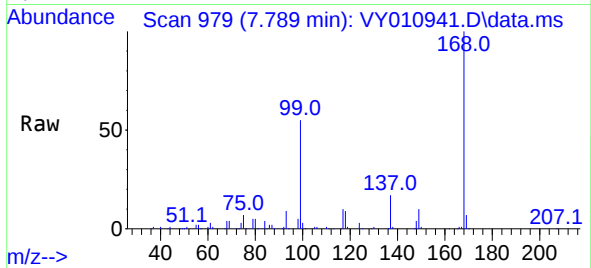




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010941.D
Acq: 12 Oct 2022 14:55

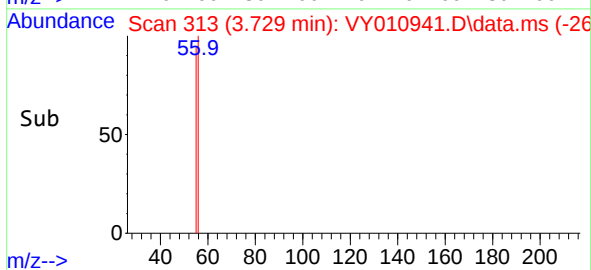
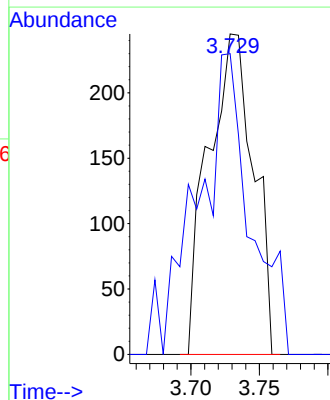
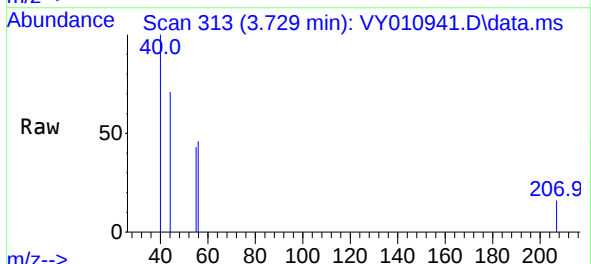
Instrument :
MSVOA_Y
ClientSampleId :
WC-2

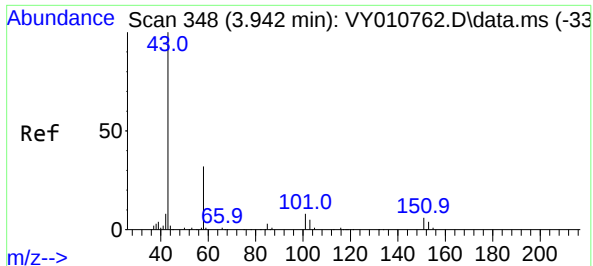
Tgt Ion:168 Resp: 237362
Ion Ratio Lower Upper
168 100
99 54.7 46.9 70.3



#13
Acrolein
Concen: Below Cal
RT: 3.729 min Scan# 313
Delta R.T. -0.000 min
Lab File: VY010941.D
Acq: 12 Oct 2022 14:55

Tgt Ion: 56 Resp: 564
Ion Ratio Lower Upper
56 100
55 110.3 57.6 86.4#

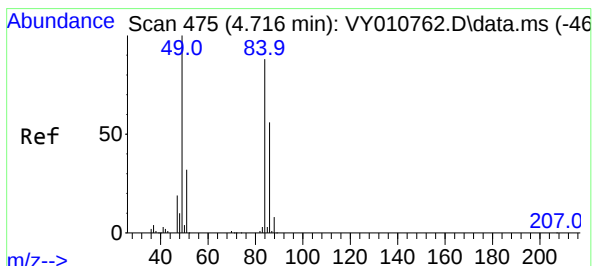
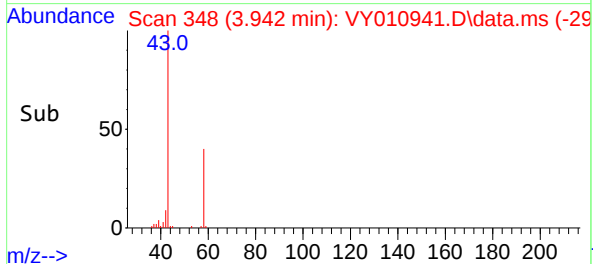
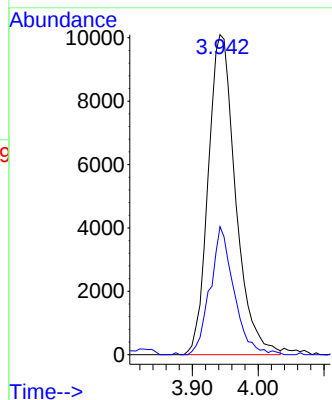
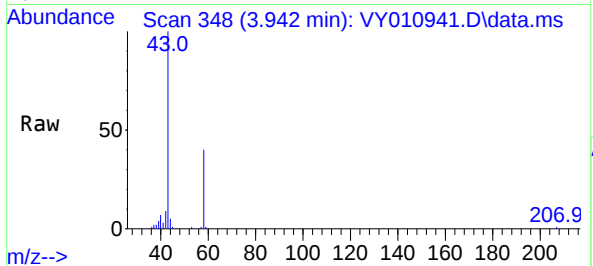




#16
Acetone
Concen: 47.831 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY010941.D
Acq: 12 Oct 2022 14:55

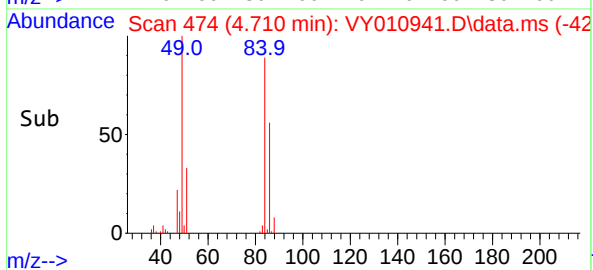
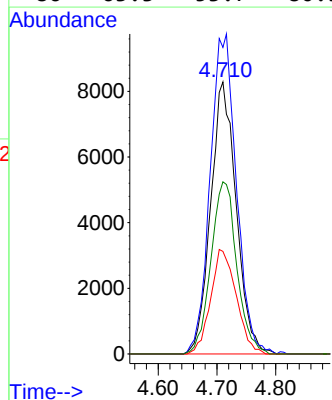
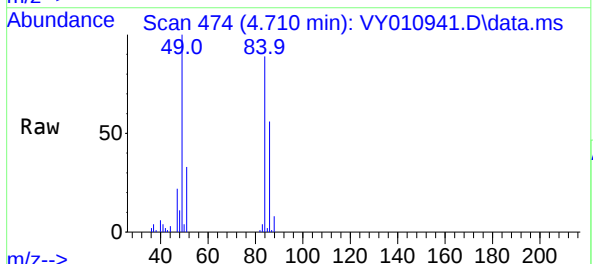
Instrument :
MSVOA_Y
ClientSampleId :
WC-2

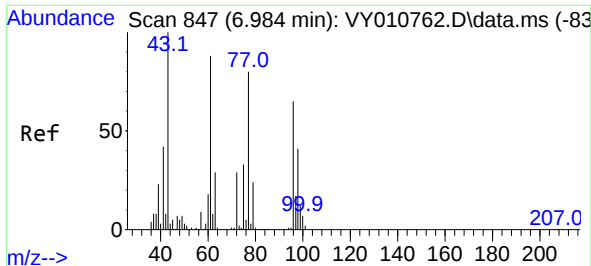
Tgt Ion: 43 Resp: 29227
Ion Ratio Lower Upper
43 100
58 40.0 22.0 33.0#



#20
Methylene Chloride
Concen: 4.618 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY010941.D
Acq: 12 Oct 2022 14:55

Tgt Ion: 84 Resp: 25051
Ion Ratio Lower Upper
84 100
49 112.7 114.4 171.6#
51 37.7 35.3 52.9
86 63.3 53.7 80.5





#25

2-Butanone

Concen: 8.608 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY010941.D

Acq: 12 Oct 2022 14:55

Instrument :

MSVOA_Y

ClientSampleId :

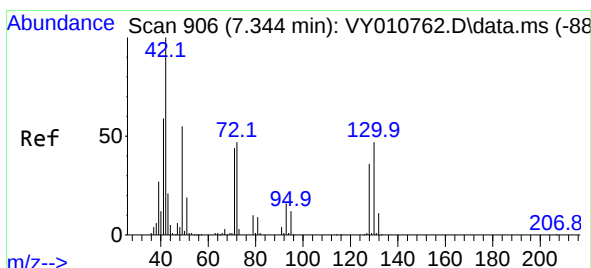
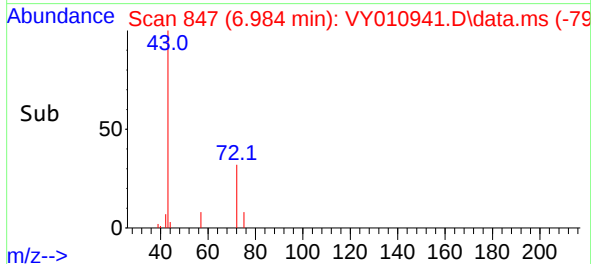
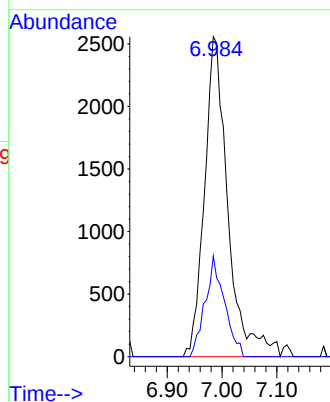
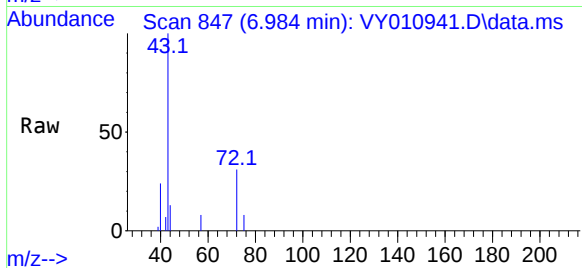
WC-2

Tgt Ion: 43 Resp: 7562

Ion Ratio Lower Upper

43 100

72 31.5 17.7 26.5#



#29

Tetrahydrofuran

Concen: 1.328 ug/l

RT: 7.356 min Scan# 908

Delta R.T. 0.012 min

Lab File: VY010941.D

Acq: 12 Oct 2022 14:55

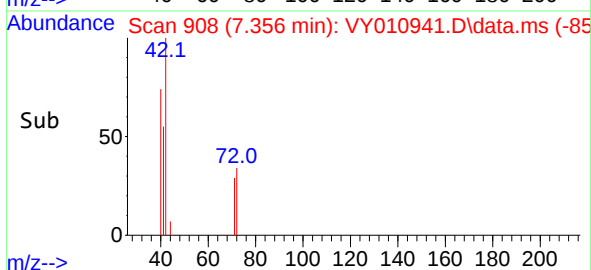
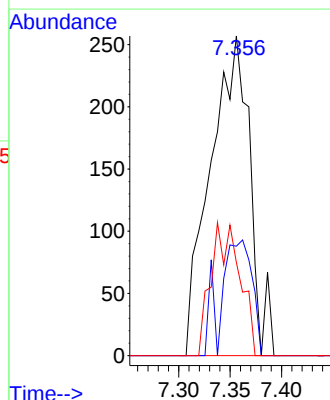
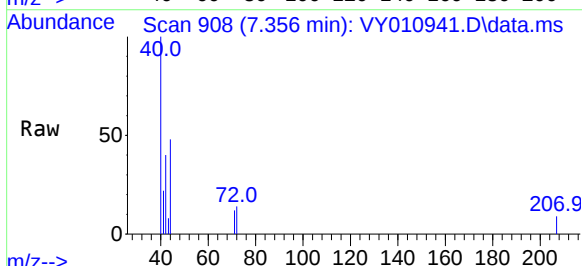
Tgt Ion: 42 Resp: 686

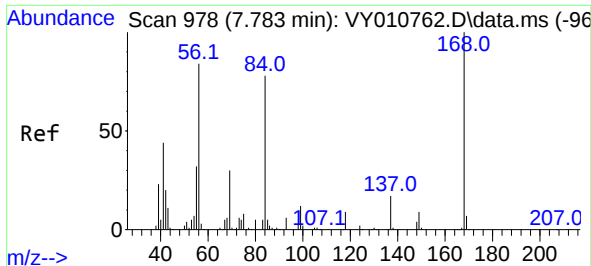
Ion Ratio Lower Upper

42 100

72 28.6 30.3 45.5#

71 0.0 29.0 43.4#

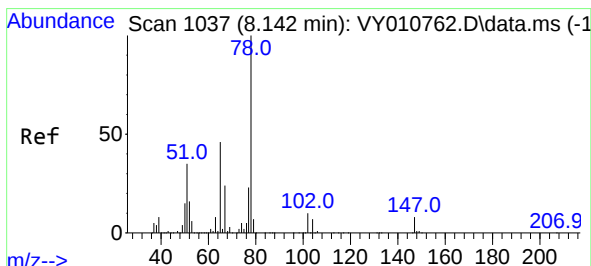
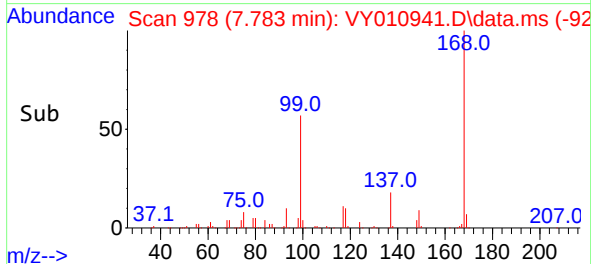
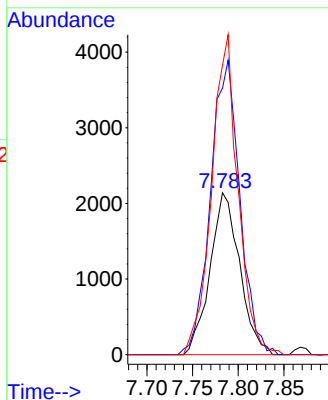
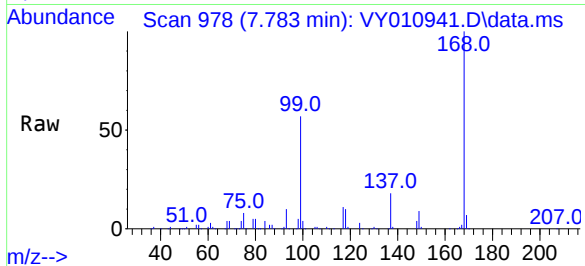




#31
Cyclohexane
Concen: 1.123 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010941.D
Acq: 12 Oct 2022 14:55

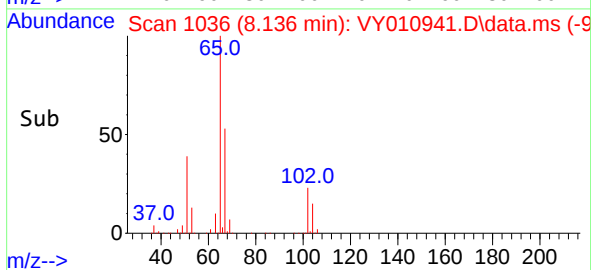
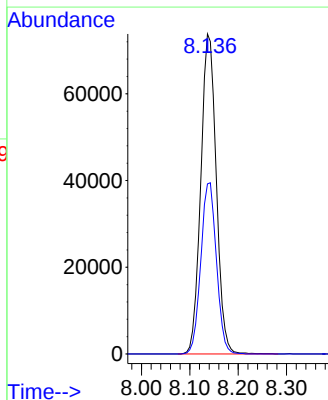
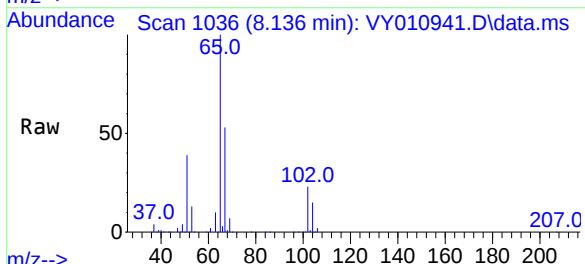
Instrument :
MSVOA_Y
ClientSampleId :
WC-2

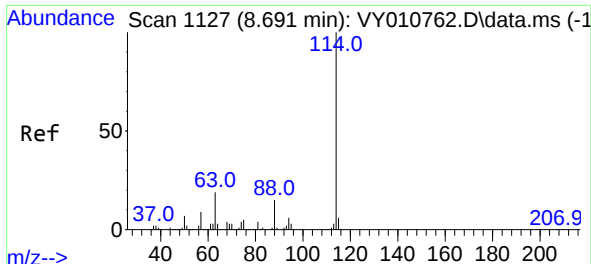
Tgt Ion: 56 Resp: 4838
Ion Ratio Lower Upper
56 100
69 164.7 26.7 40.1#
84 178.9 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 68.258 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY010941.D
Acq: 12 Oct 2022 14:55

Tgt Ion: 65 Resp: 164226
Ion Ratio Lower Upper
65 100
67 53.8 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY010941.D

Acq: 12 Oct 2022 14:55

Instrument :

MSVOA_Y

ClientSampleId :

WC-2

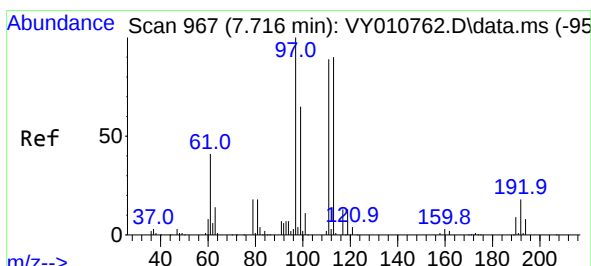
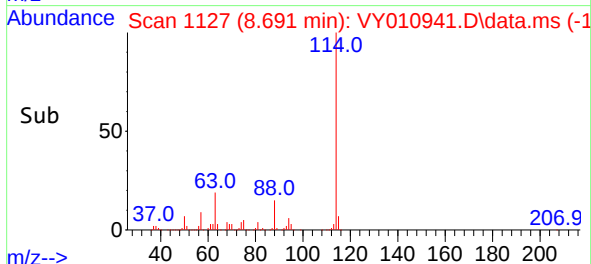
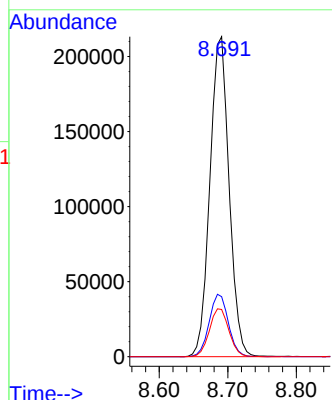
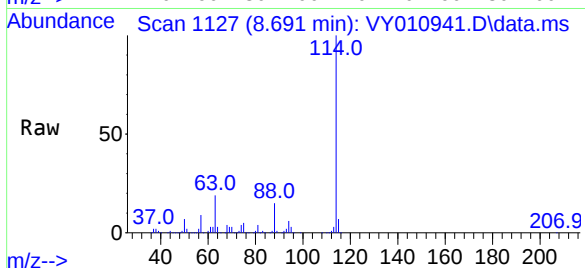
Tgt Ion:114 Resp: 414959

Ion Ratio Lower Upper

114 100

63 18.8 0.0 43.2

88 14.8 0.0 31.8



#35

Dibromofluoromethane

Concen: 59.900 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY010941.D

Acq: 12 Oct 2022 14:55

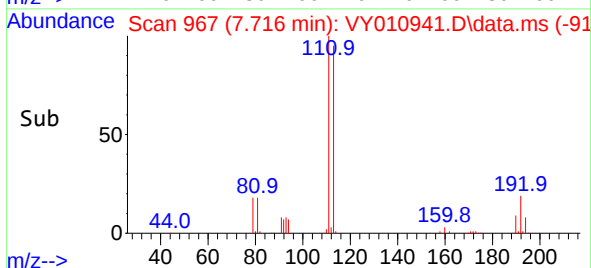
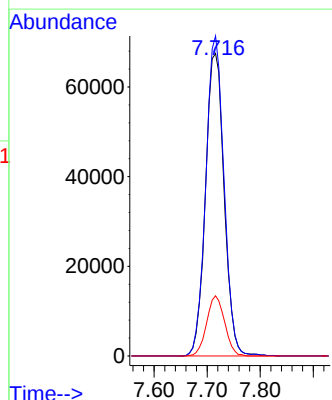
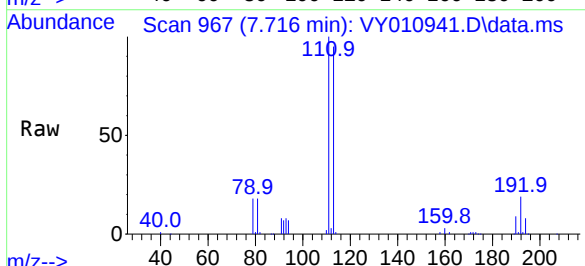
Tgt Ion:113 Resp: 164995

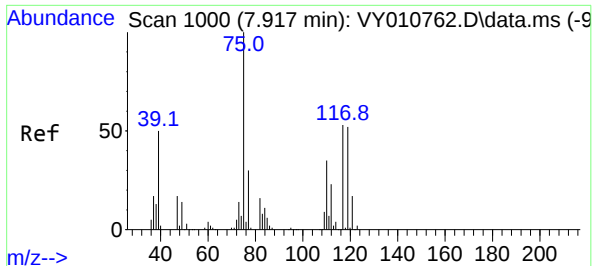
Ion Ratio Lower Upper

113 100

111 103.2 82.6 124.0

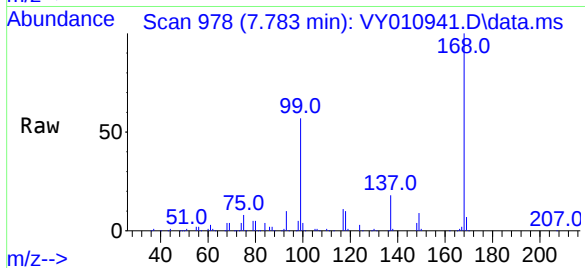
192 19.2 17.6 26.4



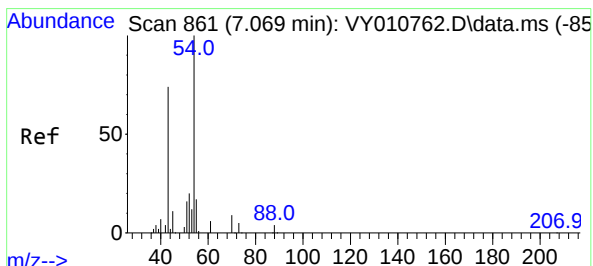
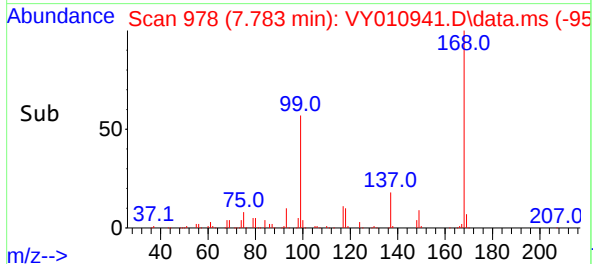
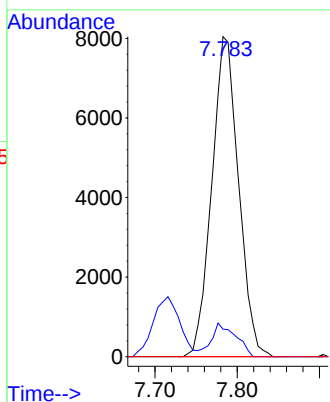


#36
1,1-Dichloropropene
Concen: 4.578 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY010941.D
Acq: 12 Oct 2022 14:55

Instrument :
MSVOA_Y
ClientSampleId :
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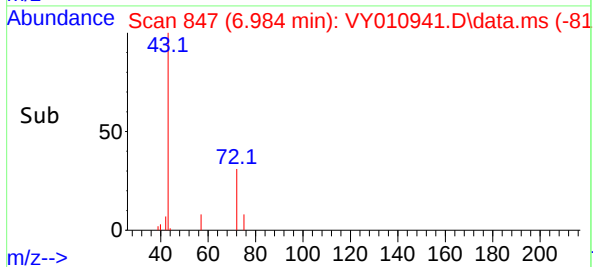
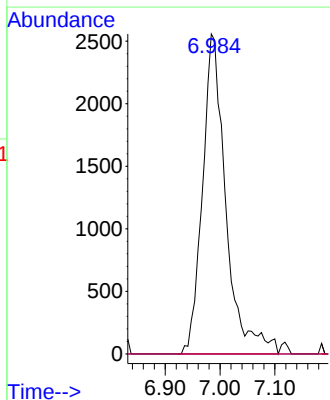
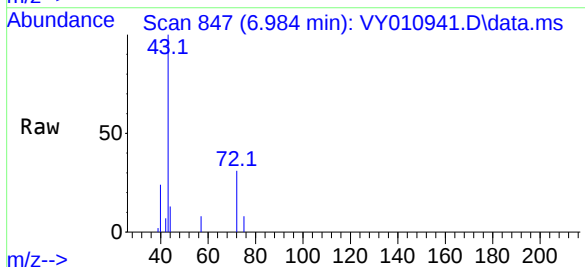


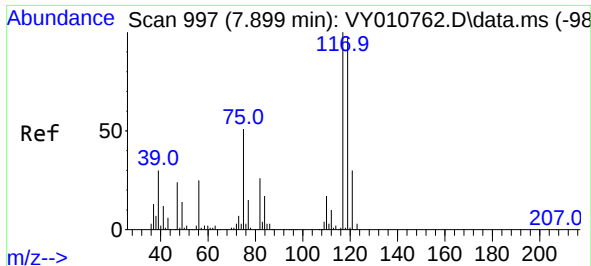
Tgt Ion: 75 Resp: 18204
Ion Ratio Lower Upper
75 100
110 9.5 17.1 51.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 3.875 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.085 min
Lab File: VY010941.D
Acq: 12 Oct 2022 14:55

Tgt Ion: 43 Resp: 7562
Ion Ratio Lower Upper
43 100
61 0.0 9.7 14.5#
70 0.0 7.1 10.7#

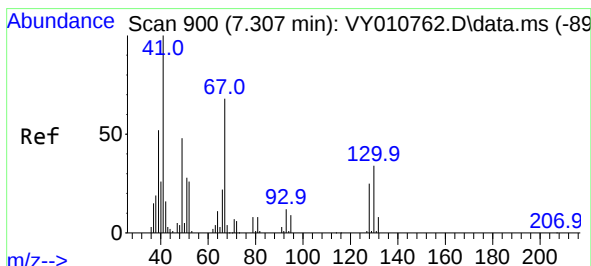
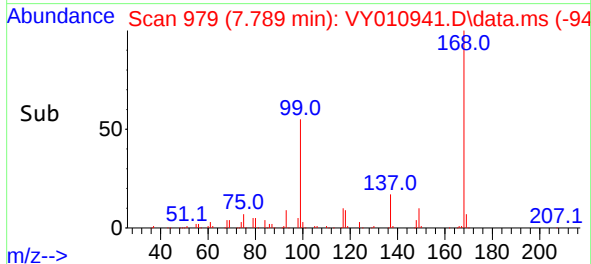
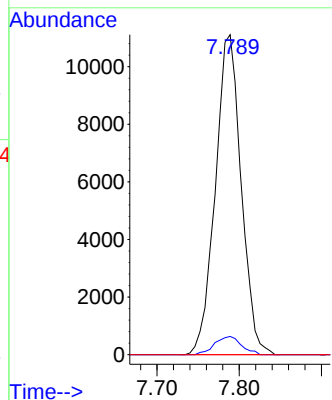
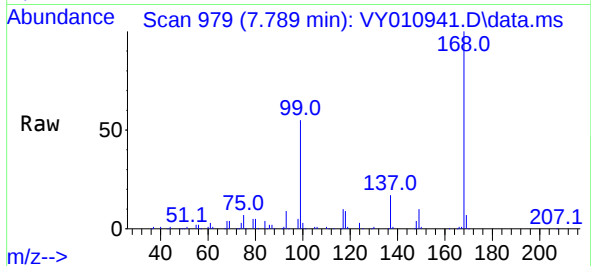




#38
Carbon Tetrachloride
Concen: 5.853 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY010941.D
Acq: 12 Oct 2022 14:55

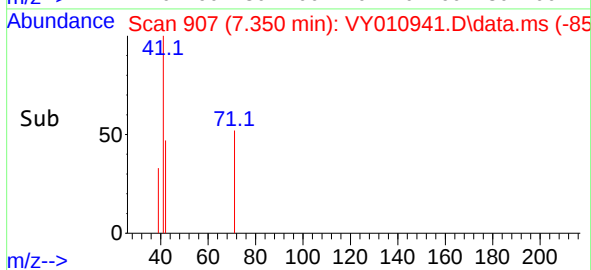
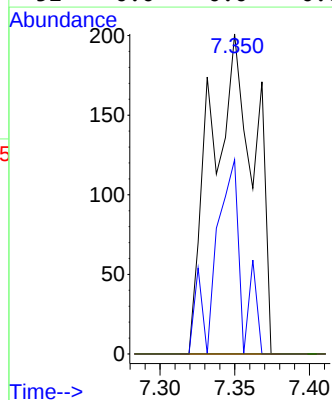
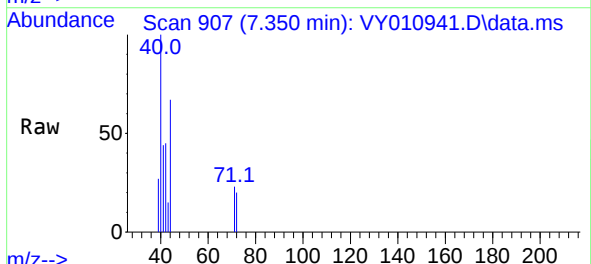
Instrument :
MSVOA_Y
ClientSampleId :
WC-2

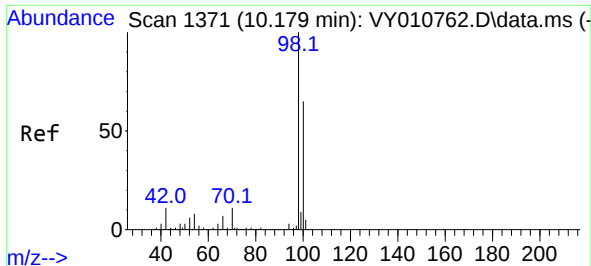
Tgt Ion:117 Resp: 24242
Ion Ratio Lower Upper
117 100
119 5.7 77.9 116.9#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 2.918 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.043 min
Lab File: VY010941.D
Acq: 12 Oct 2022 14:55

Tgt Ion: 41 Resp: 406
Ion Ratio Lower Upper
41 100
39 37.2 92.9 139.3#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

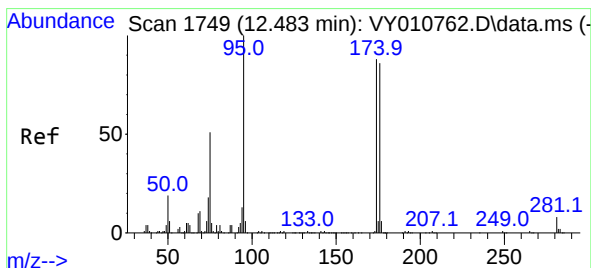
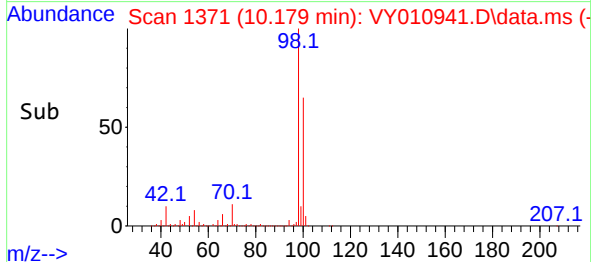
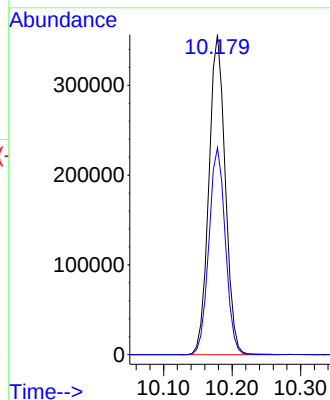
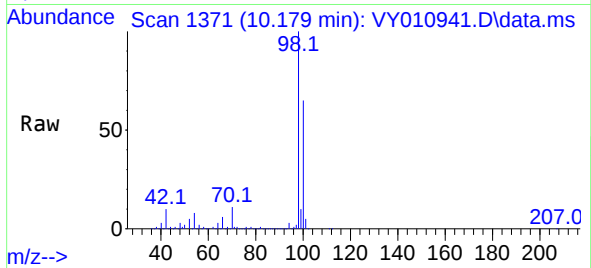




#50
Toluene-d8
Concen: 62.999 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010941.D
Acq: 12 Oct 2022 14:55

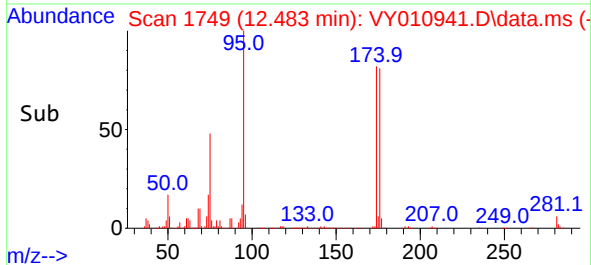
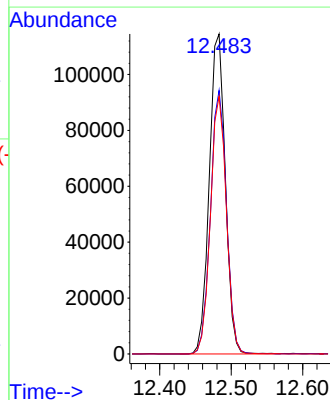
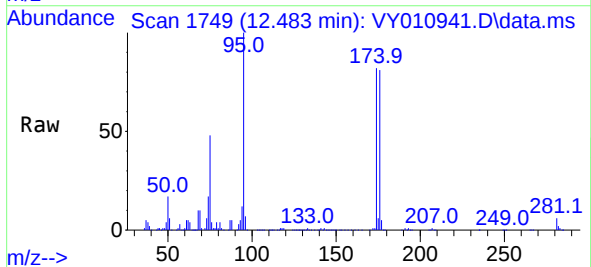
Instrument :
MSVOA_Y
ClientSampleId :
WC-2

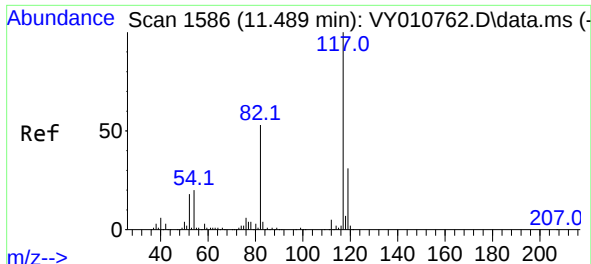
Tgt Ion: 98 Resp: 593457
Ion Ratio Lower Upper
98 100
100 65.0 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 48.372 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY010941.D
Acq: 12 Oct 2022 14:55

Tgt Ion: 95 Resp: 178464
Ion Ratio Lower Upper
95 100
174 82.1 0.0 177.0
176 80.0 0.0 175.8

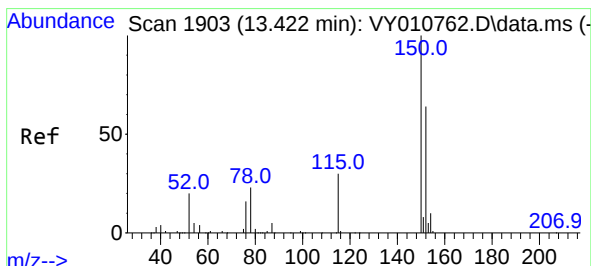
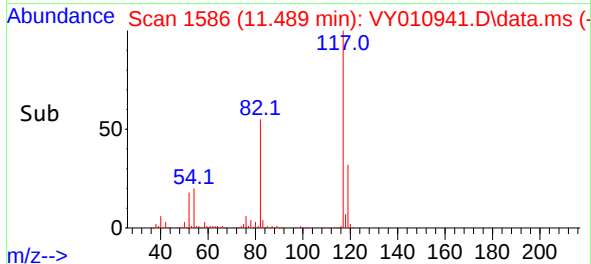
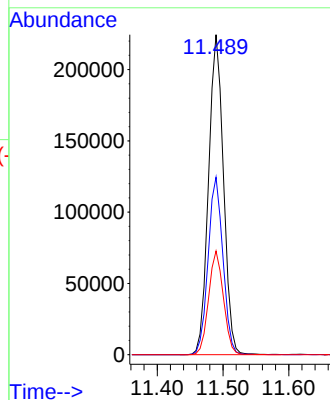
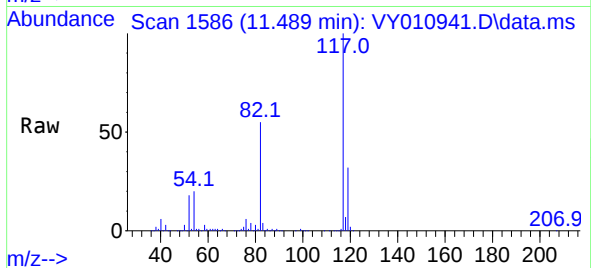




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY010941.D
Acq: 12 Oct 2022 14:55

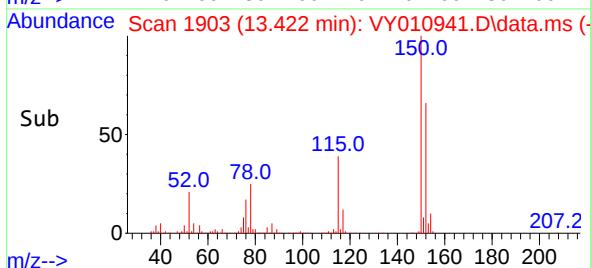
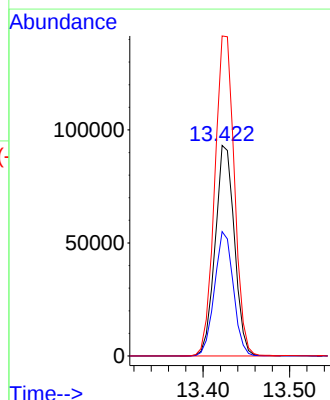
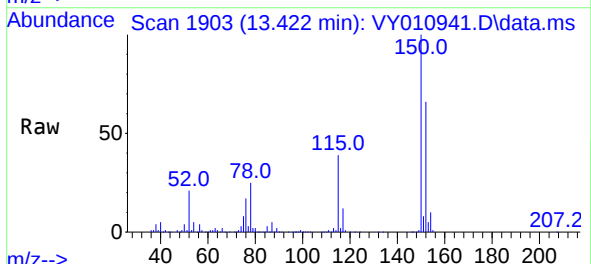
Instrument :
MSVOA_Y
ClientSampleId :
WC-2

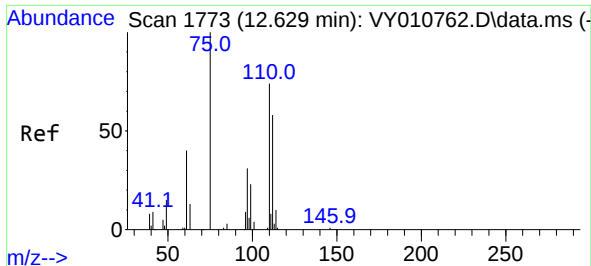
Tgt Ion:117 Resp: 354894
Ion Ratio Lower Upper
117 100
82 55.5 43.0 64.4
119 32.4 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY010941.D
Acq: 12 Oct 2022 14:55

Tgt Ion:152 Resp: 143999
Ion Ratio Lower Upper
152 100
115 57.8 28.2 84.7
150 155.0 0.0 347.6

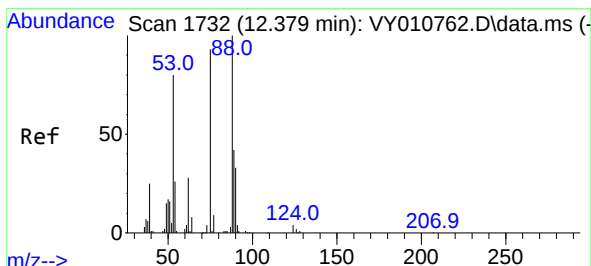
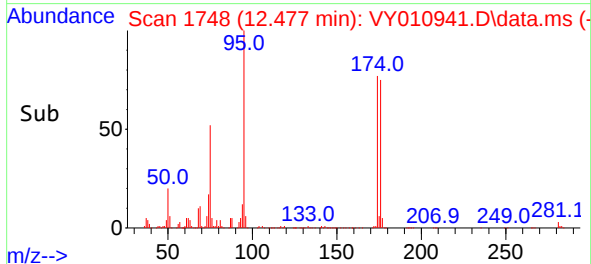
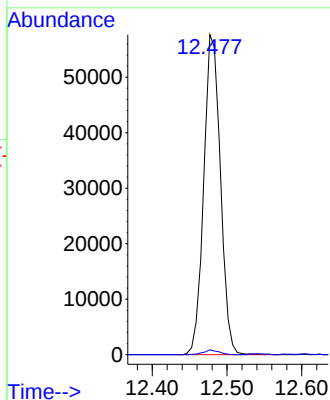
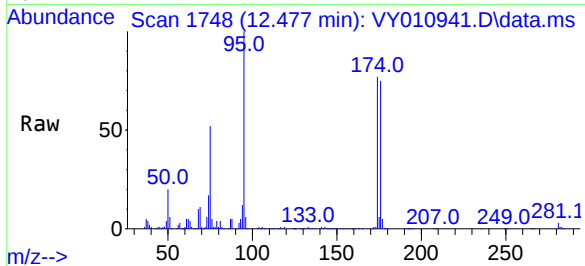




#76
1,2,3-Trichloropropane
Concen: 61.269 ug/l
RT: 12.477 min Scan# 1773
Delta R.T. -0.152 min
Lab File: VY010941.D
Acq: 12 Oct 2022 14:55

Instrument :
MSVOA_Y
ClientSampleId :
WC-2

Tgt Ion: 75 Resp: 89347
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 127.987 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY010941.D
Acq: 12 Oct 2022 14:55

Tgt Ion: 75 Resp: 89347
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

