

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101222\
 Data File : VY010943.D
 Acq On : 12 Oct 2022 15:40
 Operator : KP/MD
 Sample : N5105-05
 Misc : 6.20g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-5

Quant Time: Oct 13 05:35:30 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)

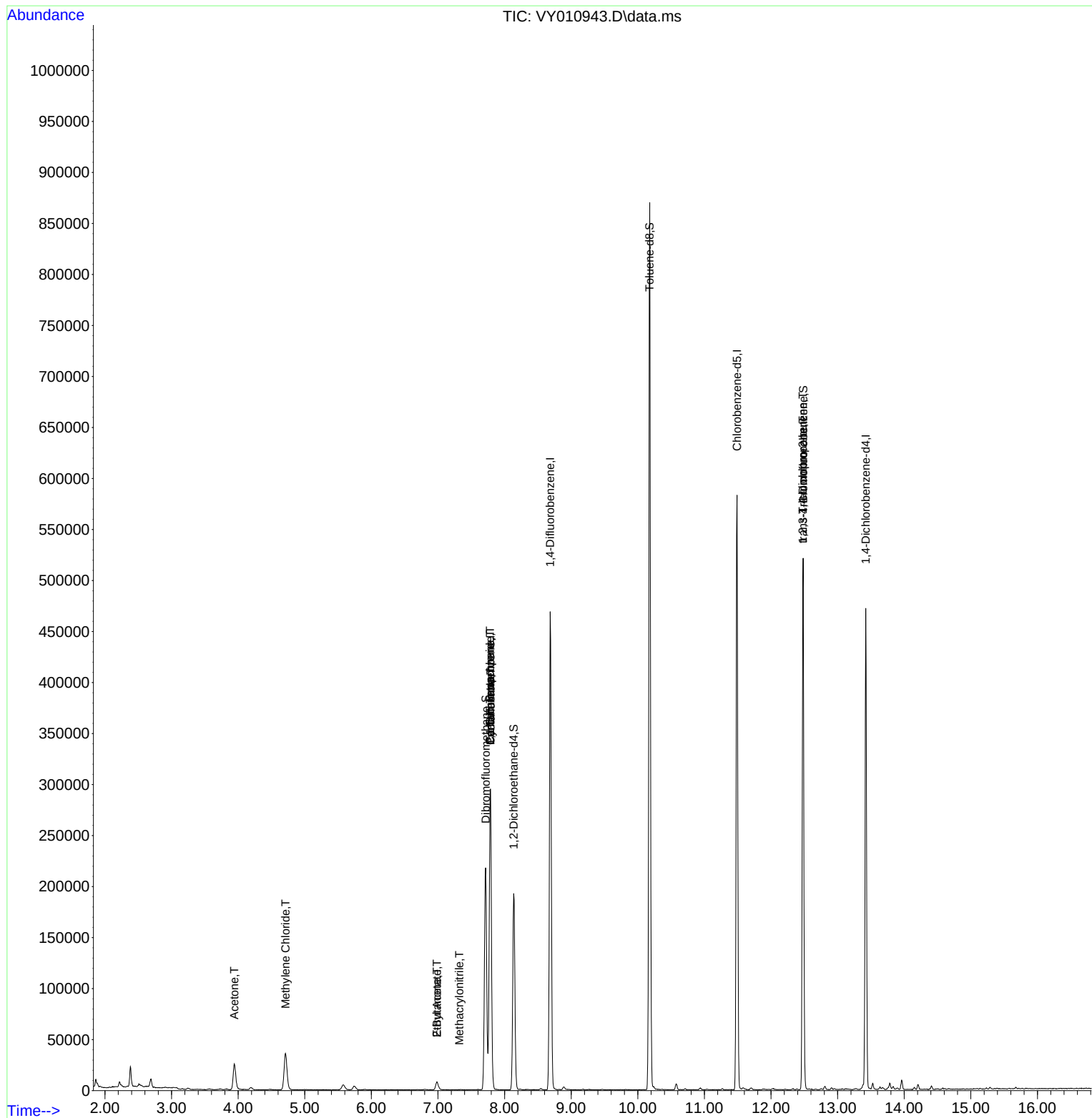
Internal Standards						
1) Pentafluorobenzene	7.789	168	232206	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	399089	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	324844	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	119170	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	149617	63.567	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 127.140%			
35) Dibromofluoromethane	7.716	113	156286	58.994	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 117.980%			
50) Toluene-d8	10.179	98	560583	61.875	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 123.760%			
62) 4-Bromofluorobenzene	12.483	95	153503	42.841	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 85.680%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.948	59	74	Below Cal	#	77
13) Acrolein	3.729	56	952	Below Cal	#	72
16) Acetone	3.942	43	44922	75.148	ug/l #	85
20) Methylene Chloride	4.710	84	27671	5.966	ug/l	87
25) 2-Butanone	6.984	43	13193	15.351	ug/l #	88
31) Cyclohexane	7.789	56	4511	1.071	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	17976	4.700	ug/l #	51
37) Ethyl Acetate	6.984	43	13193	7.030	ug/l #	72
38) Carbon Tetrachloride	7.783	117	22957	5.763	ug/l #	17
41) Methacrylonitrile	7.319	41	21	2.599	ug/l #	1
76) 1,2,3-Trichloropropane	12.477	75	77871	64.526	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	77871	134.788	ug/l #	7

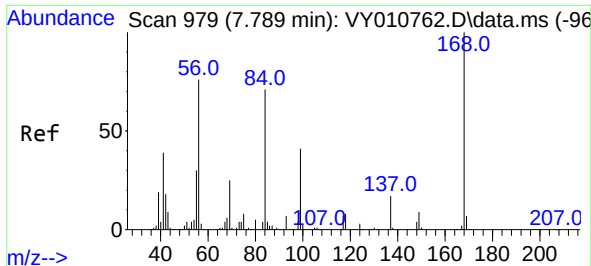
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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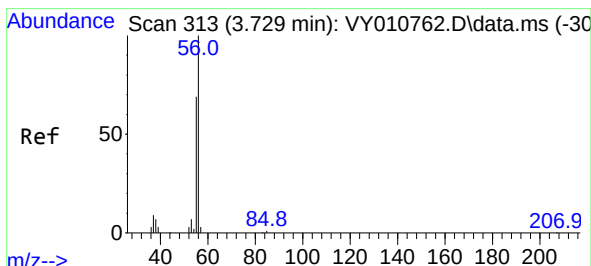
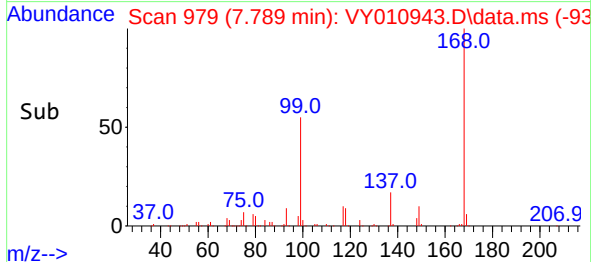
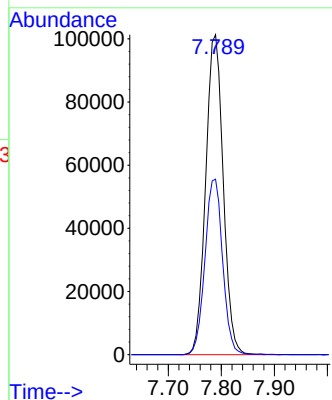
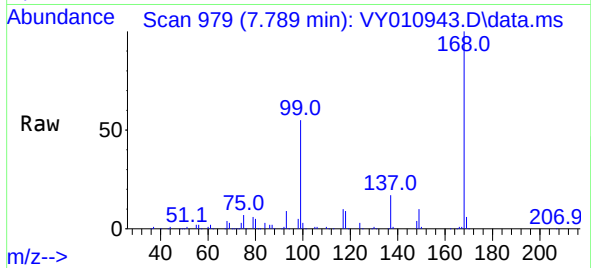




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010943.D
Acq: 12 Oct 2022 15:40

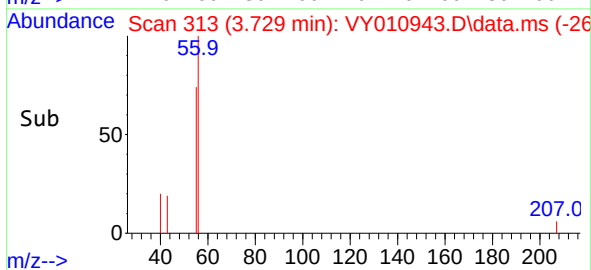
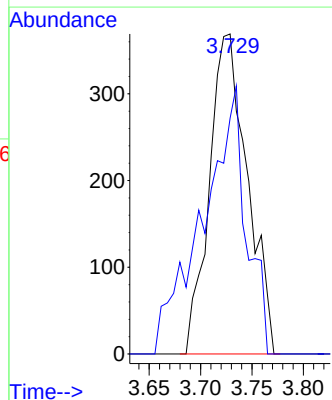
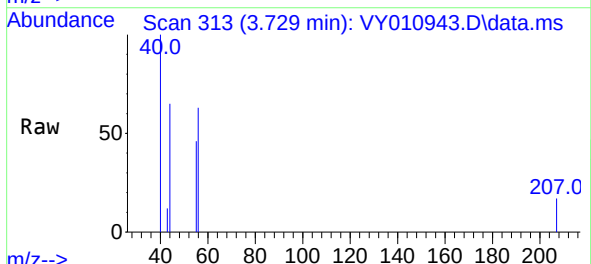
Instrument :
MSVOA_Y
ClientSampleId :
WC-5

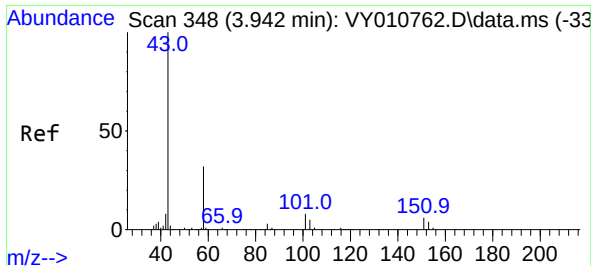
Tgt Ion:168 Resp: 232206
Ion Ratio Lower Upper
168 100
99 54.9 46.9 70.3



#13
Acrolein
Concen: Below Cal
RT: 3.729 min Scan# 313
Delta R.T. -0.000 min
Lab File: VY010943.D
Acq: 12 Oct 2022 15:40

Tgt Ion: 56 Resp: 952
Ion Ratio Lower Upper
56 100
55 95.5 57.6 86.4#

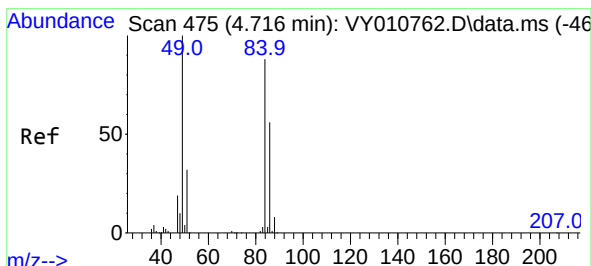
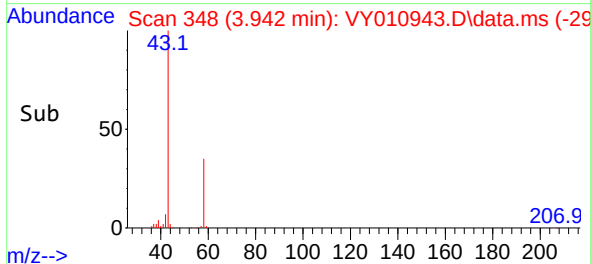
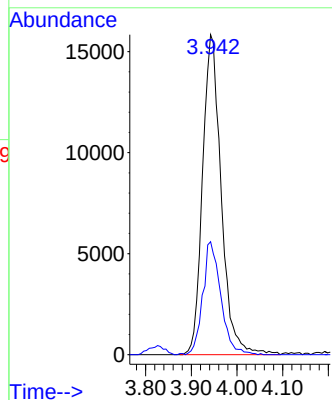
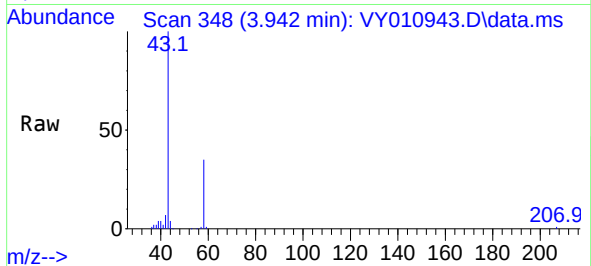




#16
Acetone
Concen: 75.148 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY010943.D
Acq: 12 Oct 2022 15:40

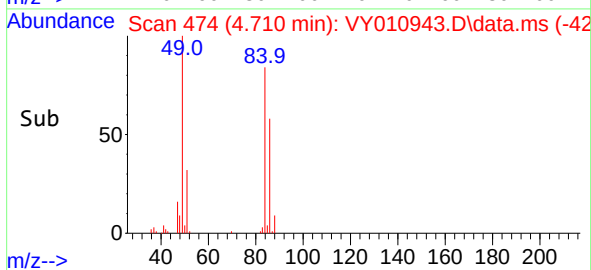
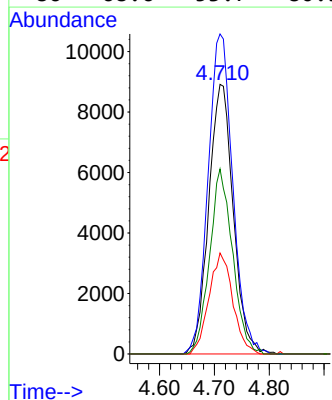
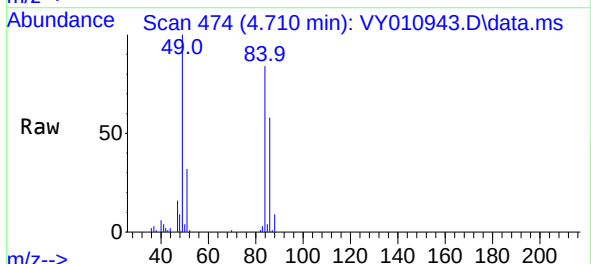
Instrument :
MSVOA_Y
ClientSampleId :
WC-5

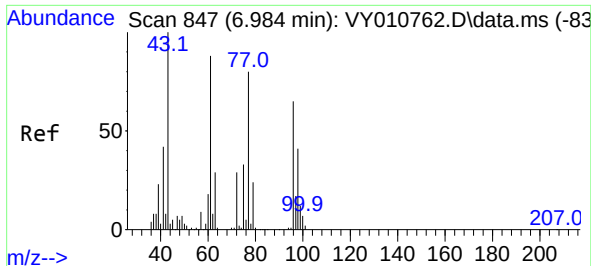
Tgt Ion: 43 Resp: 44922
Ion Ratio Lower Upper
43 100
58 35.3 22.0 33.0#



#20
Methylene Chloride
Concen: 5.966 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY010943.D
Acq: 12 Oct 2022 15:40

Tgt Ion: 84 Resp: 27671
Ion Ratio Lower Upper
84 100
49 118.7 114.4 171.6
51 37.5 35.3 52.9
86 68.6 53.7 80.5

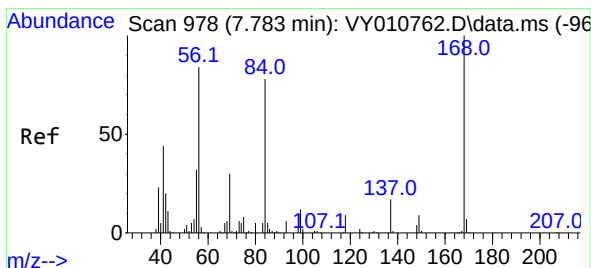
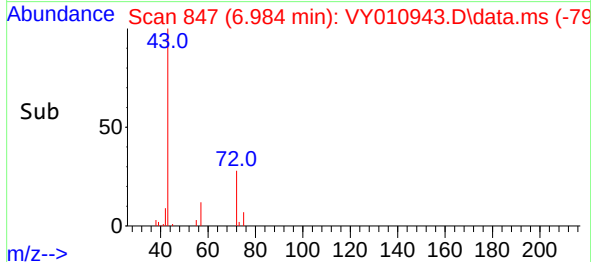
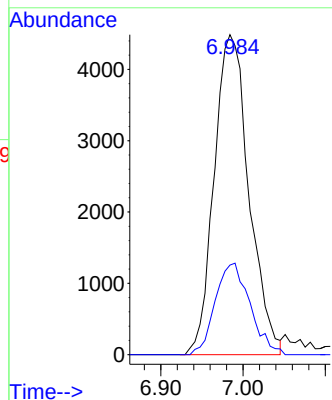
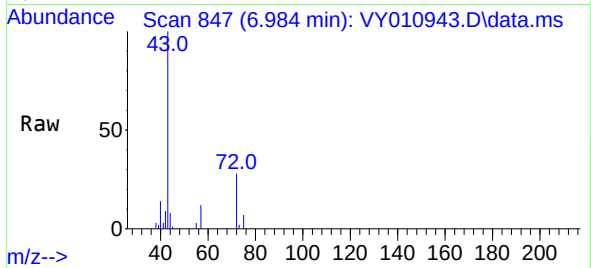




#25
2-Butanone
Concen: 15.351 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY010943.D
Acq: 12 Oct 2022 15:40

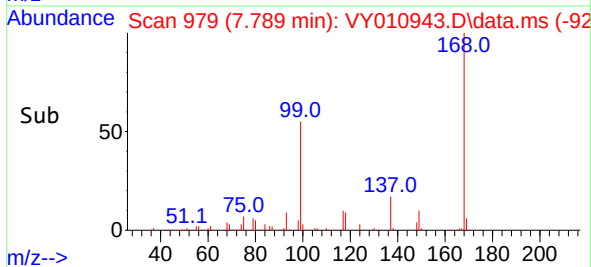
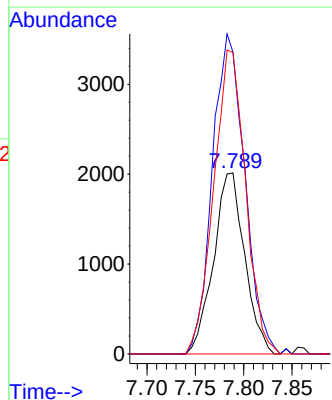
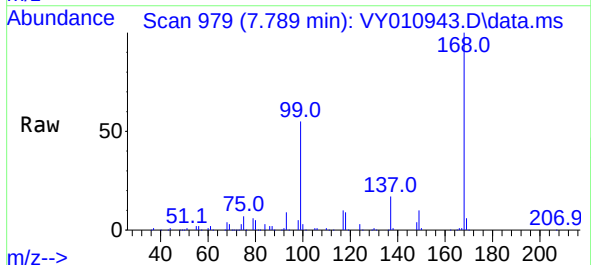
Instrument :
MSVOA_Y
ClientSampleId :
WC-5

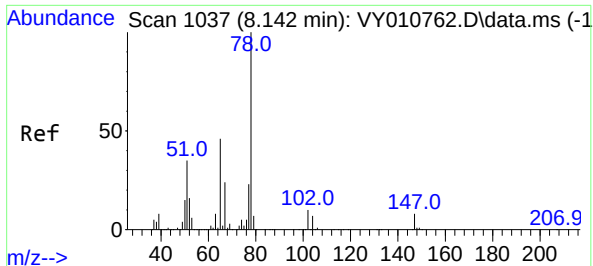
Tgt Ion: 43 Resp: 13193
Ion Ratio Lower Upper
43 100
72 28.0 17.7 26.5#



#31
Cyclohexane
Concen: 1.071 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY010943.D
Acq: 12 Oct 2022 15:40

Tgt Ion: 56 Resp: 4511
Ion Ratio Lower Upper
56 100
69 166.6 26.7 40.1#
84 166.5 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 63.567 ug/l

RT: 8.136 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY010943.D

Acq: 12 Oct 2022 15:40

Instrument :

MSVOA_Y

ClientSampleId :

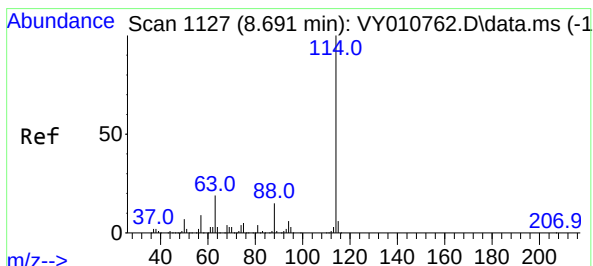
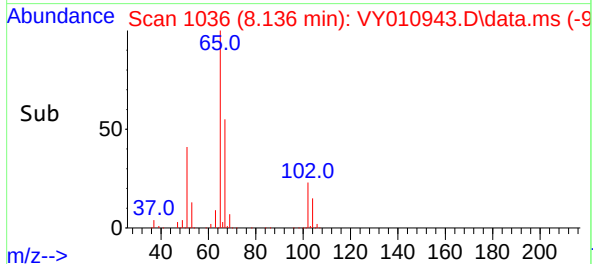
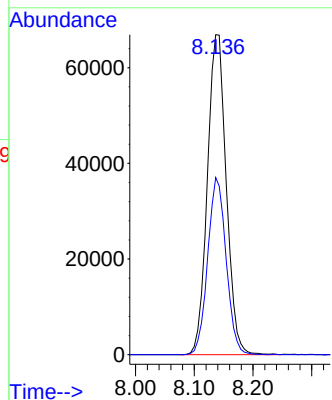
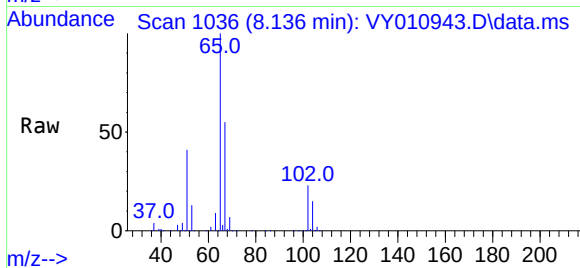
WC-5

Tgt Ion: 65 Resp: 149617

Ion Ratio Lower Upper

65 100

67 53.9 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY010943.D

Acq: 12 Oct 2022 15:40

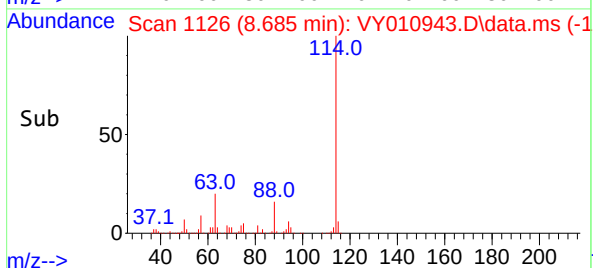
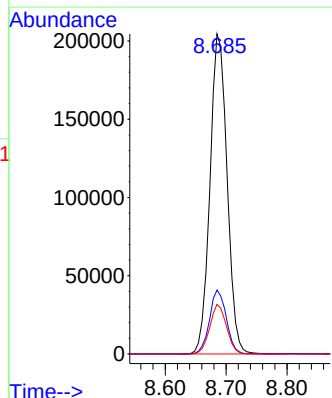
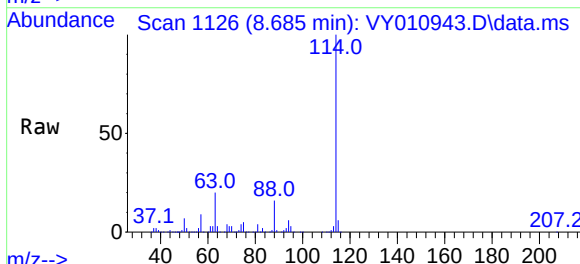
Tgt Ion:114 Resp: 399089

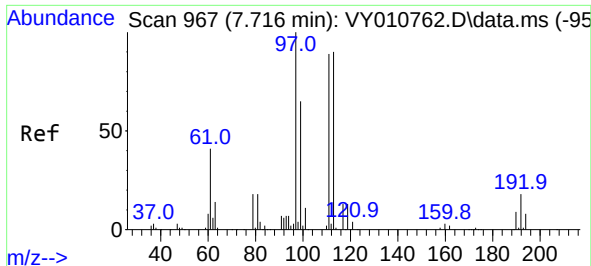
Ion Ratio Lower Upper

114 100

63 20.0 0.0 43.2

88 15.5 0.0 31.8

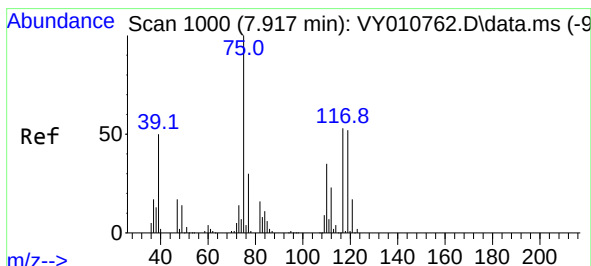
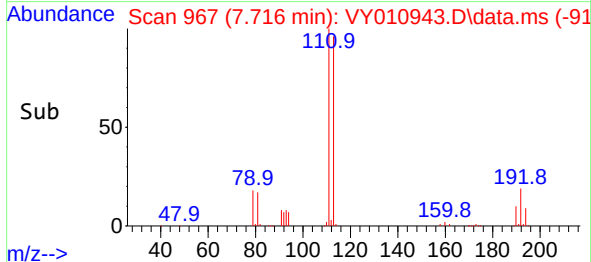
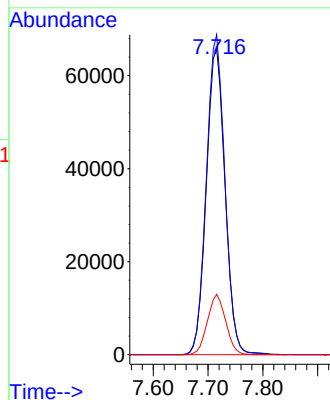
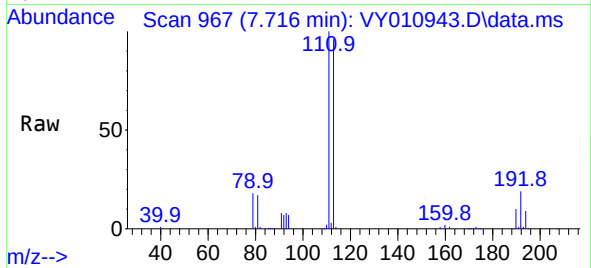




#35
Dibromofluoromethane
Concen: 58.994 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY010943.D
Acq: 12 Oct 2022 15:40

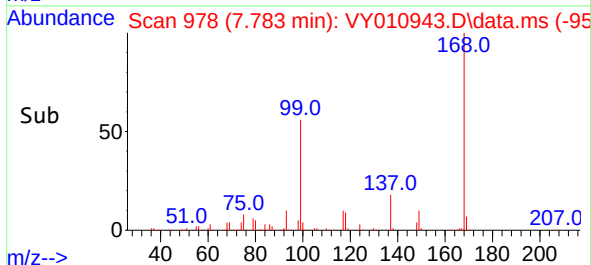
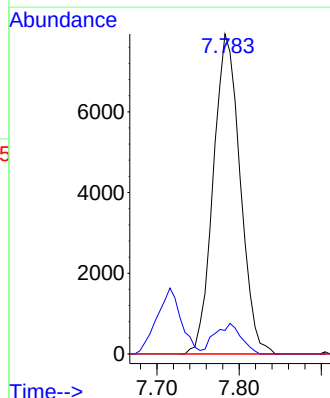
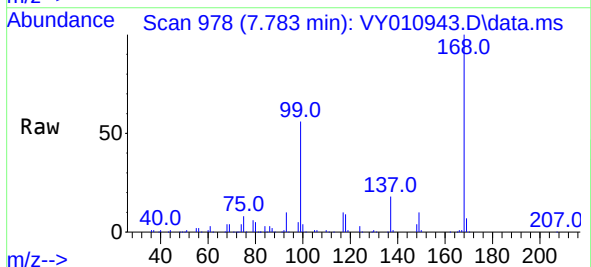
Instrument :
MSVOA_Y
ClientSampleId :
WC-5

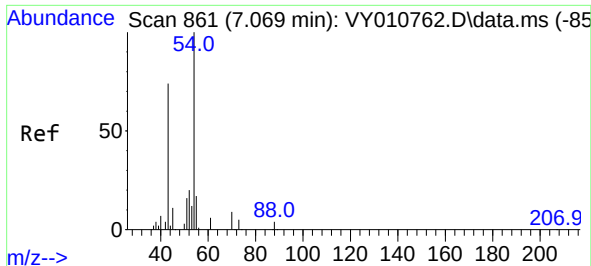
Tgt Ion:113 Resp: 156286
Ion Ratio Lower Upper
113 100
111 103.2 82.6 124.0
192 19.2 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.700 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY010943.D
Acq: 12 Oct 2022 15:40

Tgt Ion: 75 Resp: 17976
Ion Ratio Lower Upper
75 100
110 9.4 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 7.030 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.085 min

Lab File: VY010943.D

Acq: 12 Oct 2022 15:40

Instrument :

MSVOA_Y

ClientSampleId :

WC-5

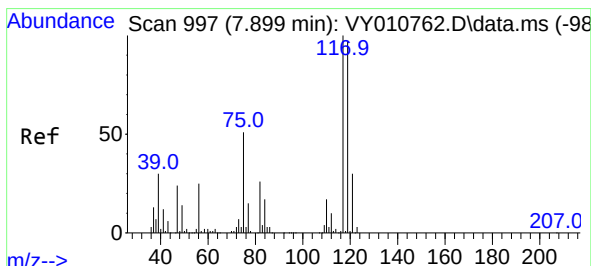
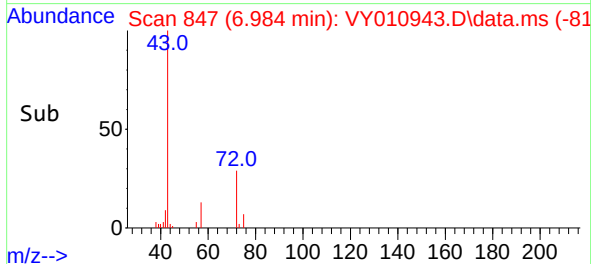
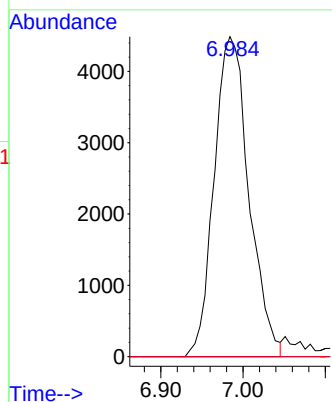
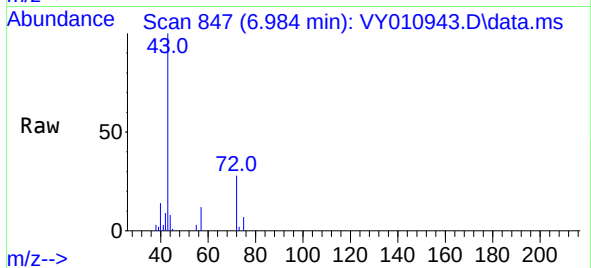
Tgt Ion: 43 Resp: 13193

Ion Ratio Lower Upper

43 100

61 0.0 9.7 14.5#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.763 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY010943.D

Acq: 12 Oct 2022 15:40

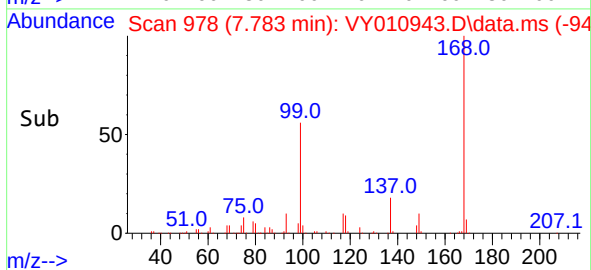
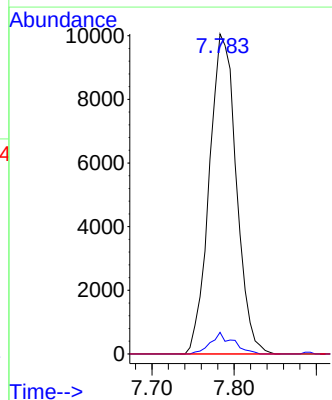
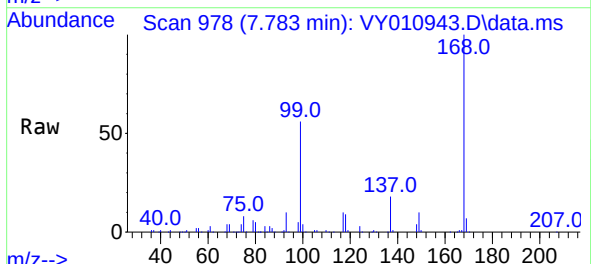
Tgt Ion: 117 Resp: 22957

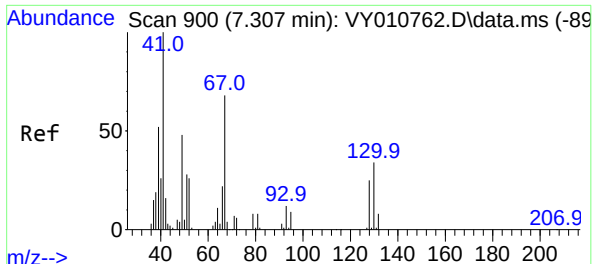
Ion Ratio Lower Upper

117 100

119 6.8 77.9 116.9#

121 0.0 24.8 37.2#

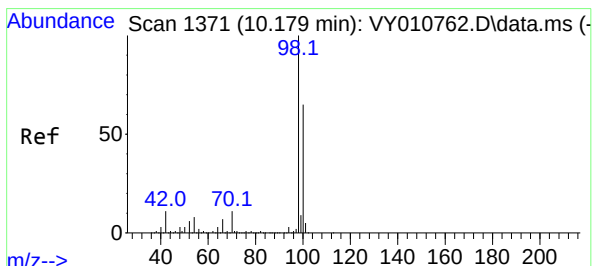
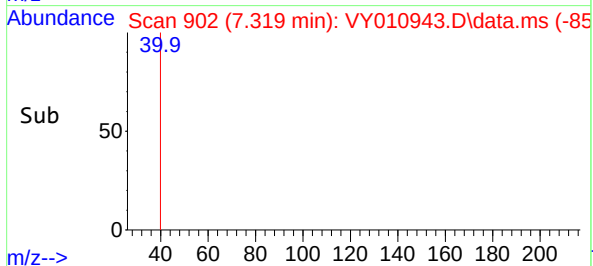
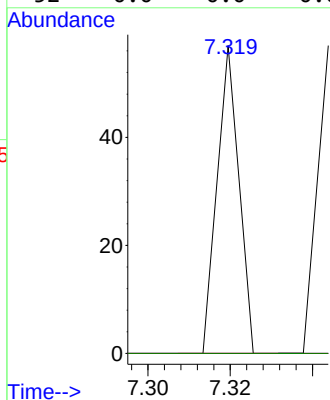
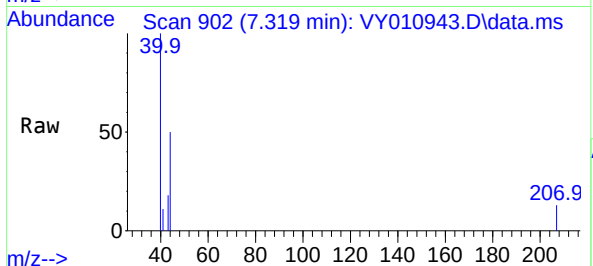




#41
Methacrylonitrile
Concen: 2.599 ug/l
RT: 7.319 min Scan# 901
Delta R.T. 0.012 min
Lab File: VY010943.D
Acq: 12 Oct 2022 15:40

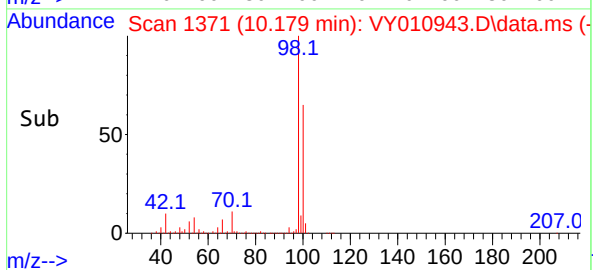
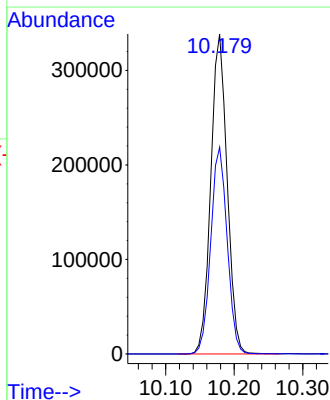
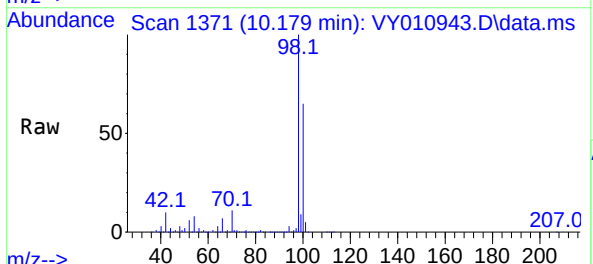
Instrument :
MSVOA_Y
ClientSampleId :
WC-5

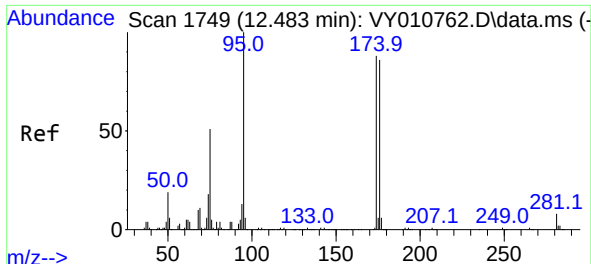
Tgt Ion: 41	Resp: 21
Ion Ratio	Lower Upper
41 100	
39 0.0	92.9 139.3#
67 0.0	0.0 0.0
52 0.0	0.0 0.0



#50
Toluene-d8
Concen: 61.875 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010943.D
Acq: 12 Oct 2022 15:40

Tgt Ion: 98	Resp: 560583
Ion Ratio	Lower Upper
98 100	
100 64.8	50.2 75.2

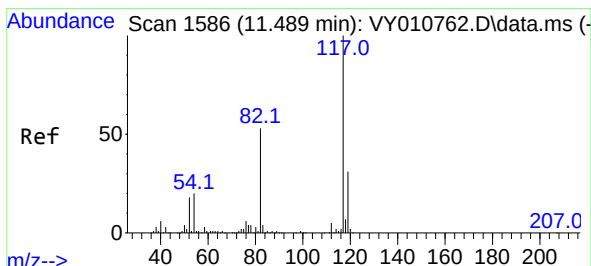
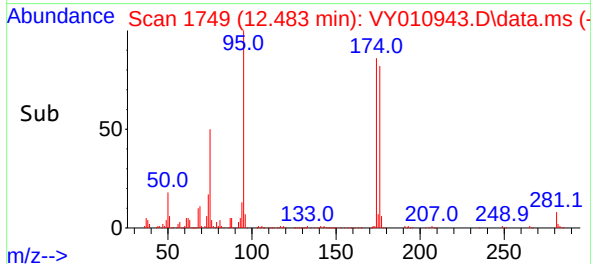
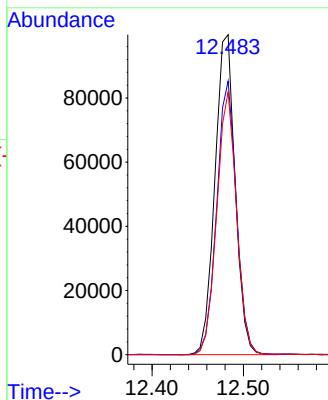
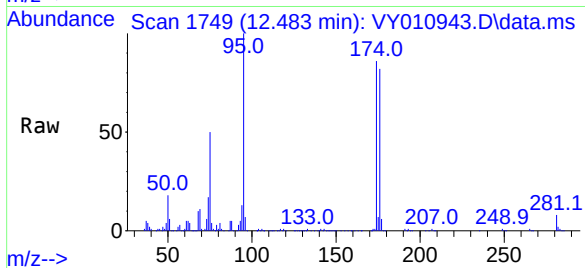




#62
4-Bromofluorobenzene
Concen: 42.841 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY010943.D
Acq: 12 Oct 2022 15:40

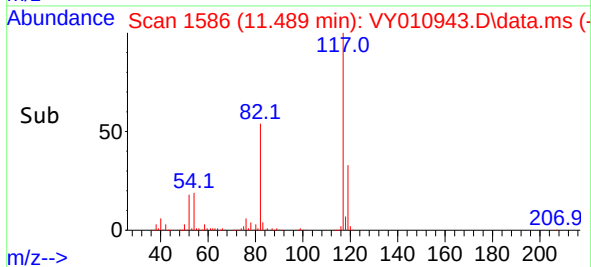
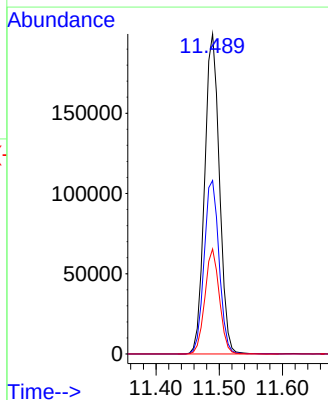
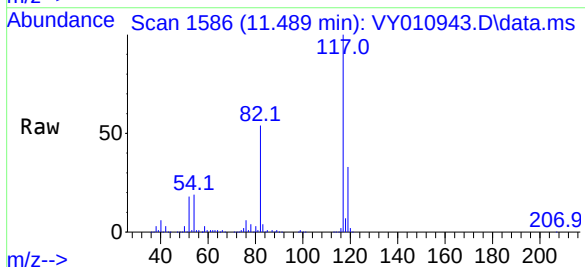
Instrument :
MSVOA_Y
ClientSampleId :
WC-5

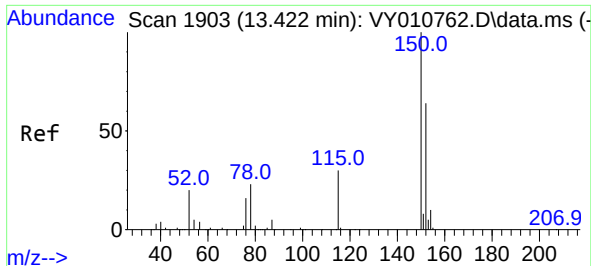
Tgt Ion: 95 Resp: 153503
Ion Ratio Lower Upper
95 100
174 83.6 0.0 177.0
176 80.1 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY010943.D
Acq: 12 Oct 2022 15:40

Tgt Ion: 117 Resp: 324844
Ion Ratio Lower Upper
117 100
82 54.2 43.0 64.4
119 32.8 25.4 38.0

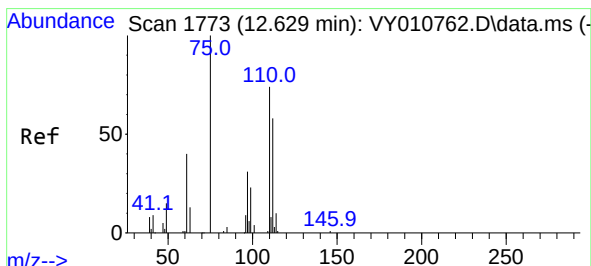
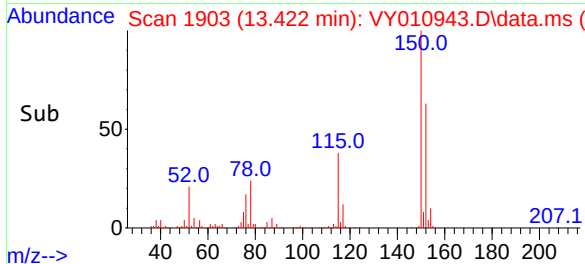
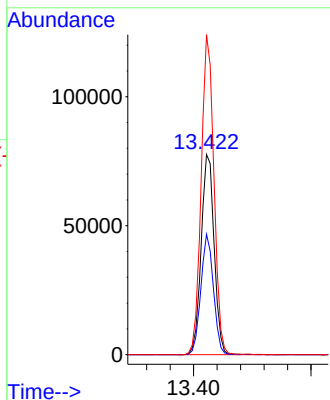
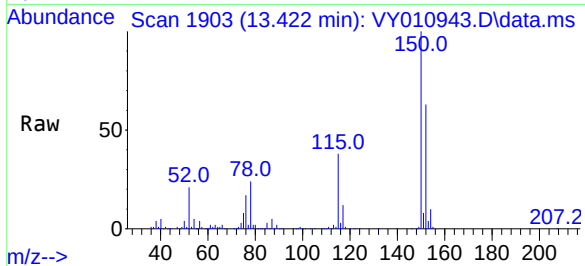




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY010943.D
 Acq: 12 Oct 2022 15:40

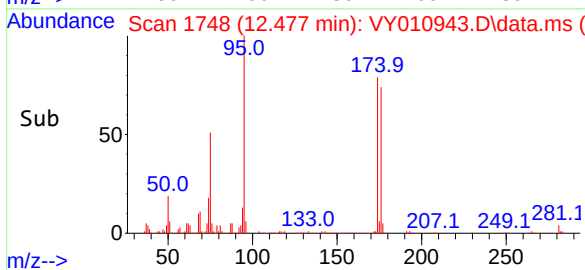
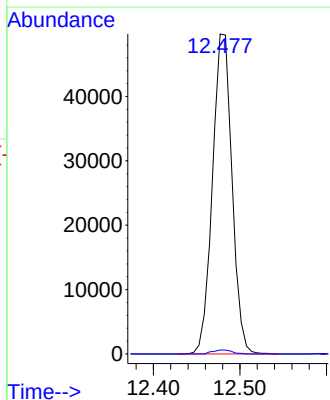
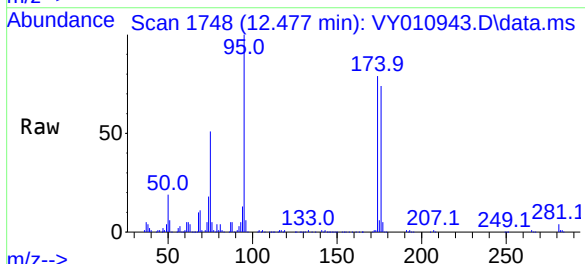
Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-5

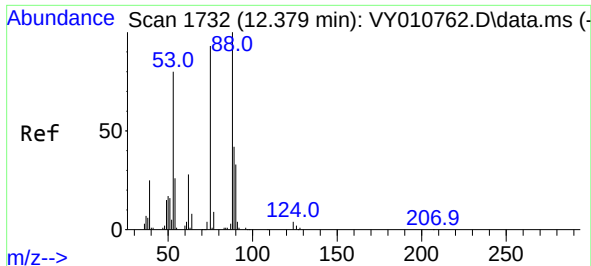
Tgt Ion:152 Resp: 119170
 Ion Ratio Lower Upper
 152 100
 115 58.3 28.2 84.7
 150 157.2 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 64.526 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.152 min
 Lab File: VY010943.D
 Acq: 12 Oct 2022 15:40

Tgt Ion: 75 Resp: 77871
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 134.788 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY010943.D
 Acq: 12 Oct 2022 15:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-5

Tgt Ion: 75 Resp: 77871
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.1 37.0 55.4#

