

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092222\
 Data File : VY010617.D
 Acq On : 22 Sep 2022 13:08
 Operator : KP/MD
 Sample : N4732-01
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-1

Quant Time: Sep 23 09:02:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 01:02:44 2022
 Response via : Initial Calibration

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

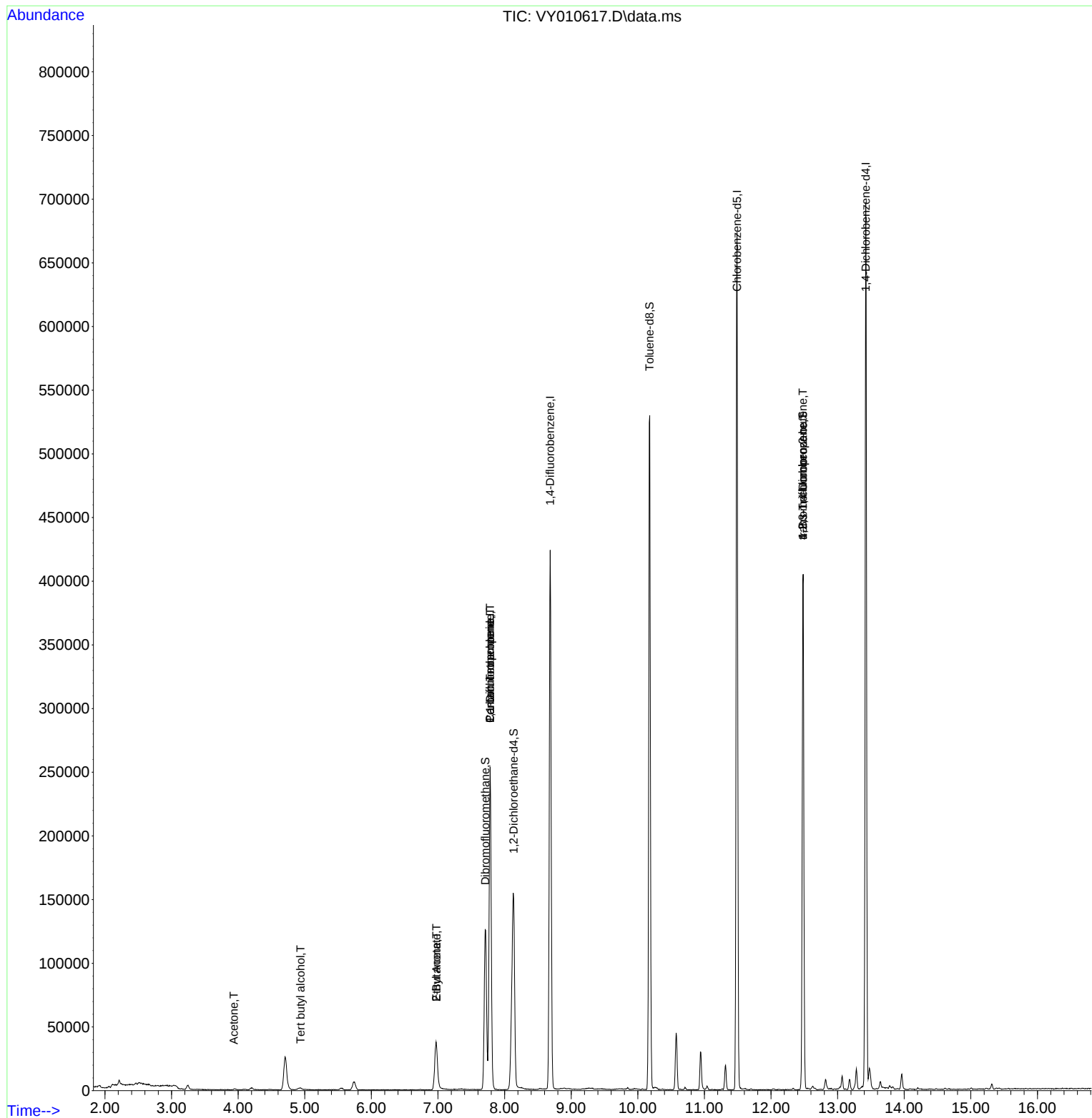
Internal Standards						
1) Pentafluorobenzene	7.783	168	193270	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	364001	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	367552	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	174729	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	100054	54.125	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.240%	
35) Dibromofluoromethane	7.710	113	91751	39.496	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 79.000%	
50) Toluene-d8	10.179	98	348657	41.196	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 82.400%	
62) 4-Bromofluorobenzene	12.477	95	117468	36.116	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 72.240%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	953	Below Cal		87
3) Chloromethane	2.113	50	807	Below Cal		98
4) Vinyl Chloride	2.229	62	27	Below Cal	#	43
5) Bromomethane	2.656	94	374	Below Cal		92
11) Tert butyl alcohol	4.936	59	2281	2.748 ug/l	#	77
16) Acetone	3.936	43	1270	3.369 ug/l		91
17) Carbon Disulfide	4.186	76	55	Below Cal	#	75
18) Methyl Acetate	4.466	43	353	Below Cal	#	56
20) Methylene Chloride	4.704	84	19512	Below Cal		88
25) 2-Butanone	6.978	43	2004	3.399 ug/l	#	84
31) Cyclohexane	7.777	56	3881	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	14586	5.635 ug/l	#	50
37) Ethyl Acetate	6.978	43	2004	1.340 ug/l	#	1
38) Carbon Tetrachloride	7.783	117	19055	6.403 ug/l	#	16
76) 1,2,3-Trichloropropane	12.477	75	61187	36.690 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.477	75	61187	81.578 ug/l	#	7

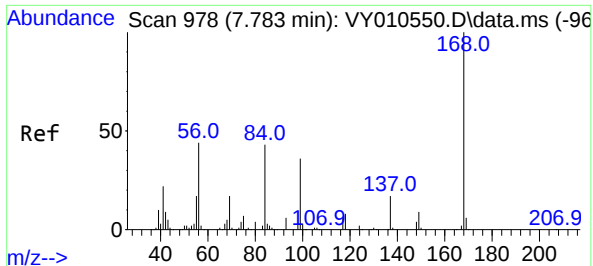
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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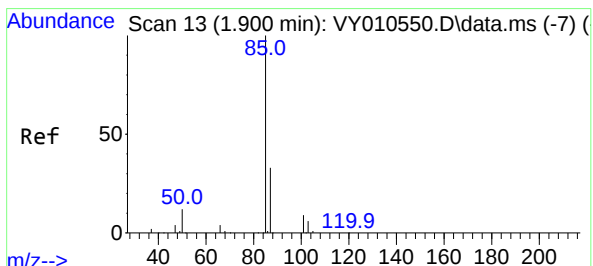
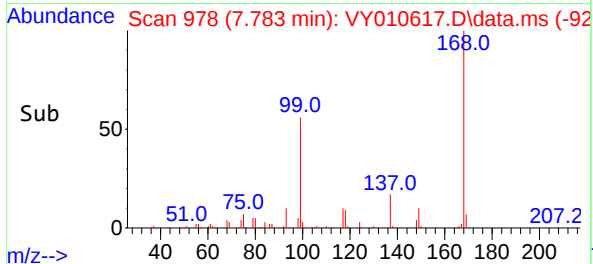
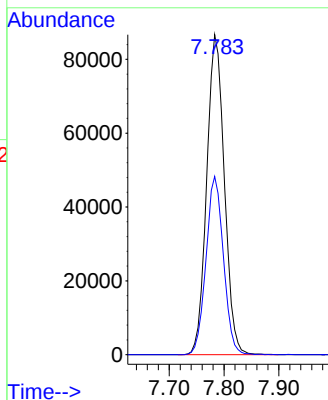
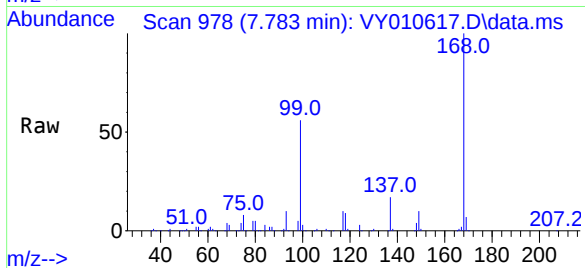




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010617.D
Acq: 22 Sep 2022 13:08

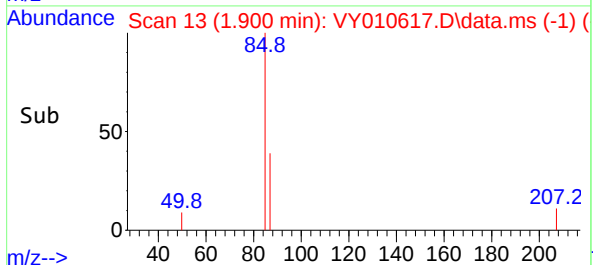
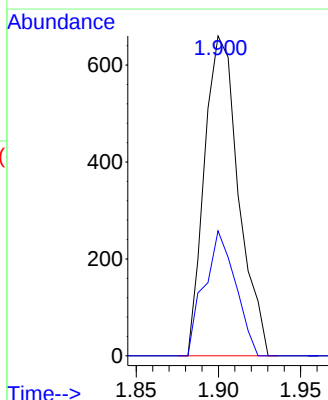
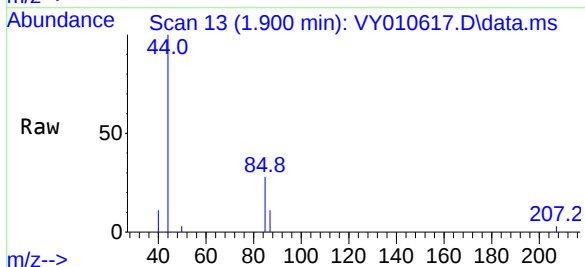
Instrument :
MSVOA_Y
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WC-1

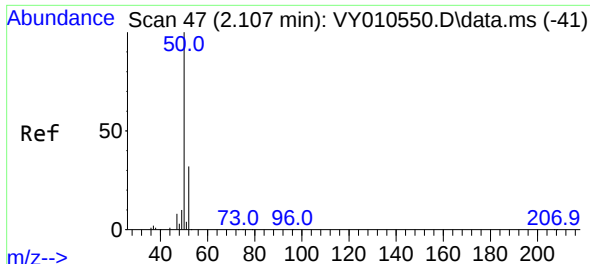
Tgt Ion:168 Resp: 193270
Ion Ratio Lower Upper
168 100
99 55.7 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010617.D
Acq: 22 Sep 2022 13:08

Tgt Ion: 85 Resp: 953
Ion Ratio Lower Upper
85 100
87 39.1 16.1 48.2

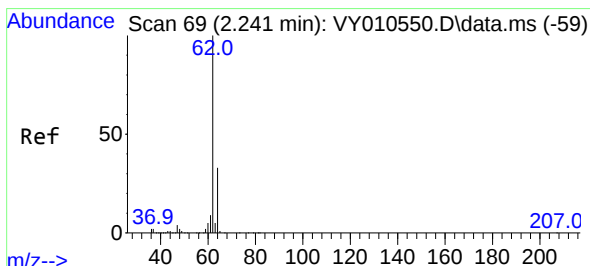
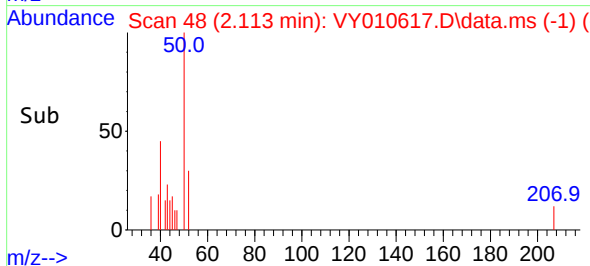
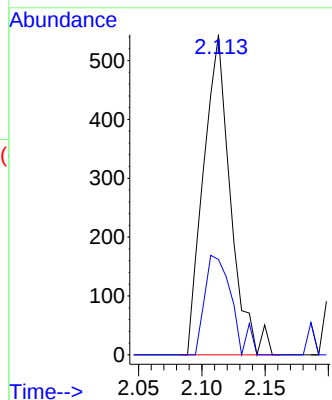
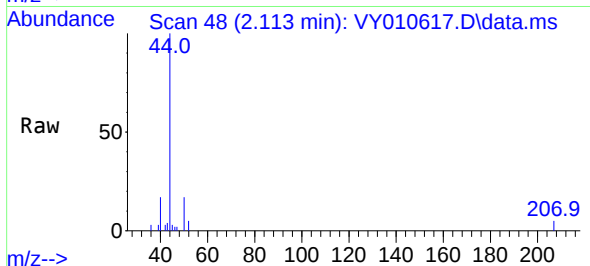




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY010617.D
Acq: 22 Sep 2022 13:08

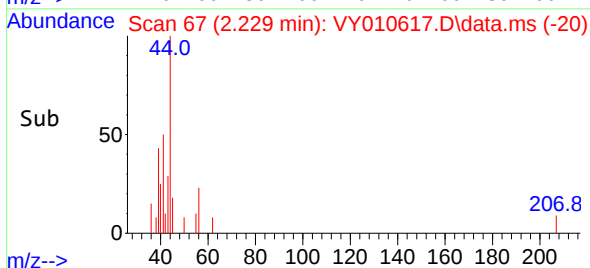
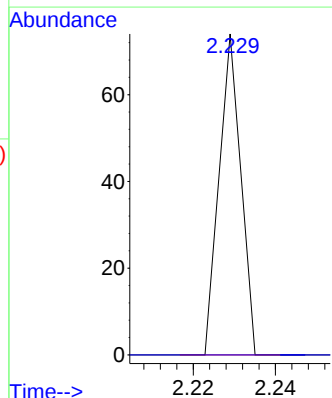
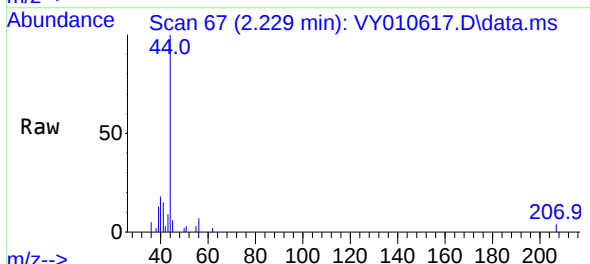
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

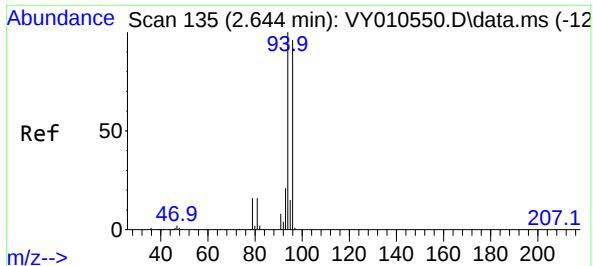
Tgt Ion: 50 Resp: 807
Ion Ratio Lower Upper
50 100
52 29.8 24.6 37.0



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.229 min Scan# 67
Delta R.T. -0.012 min
Lab File: VY010617.D
Acq: 22 Sep 2022 13:08

Tgt Ion: 62 Resp: 27
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

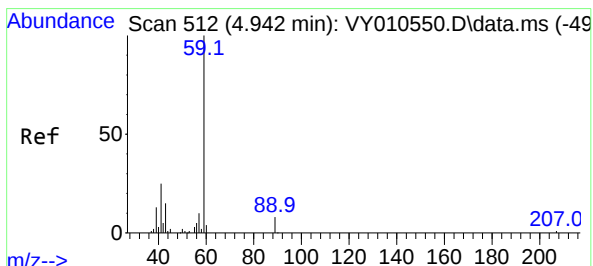
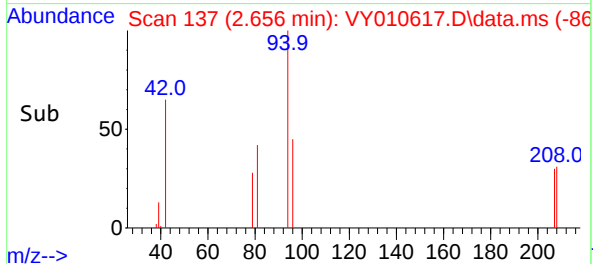
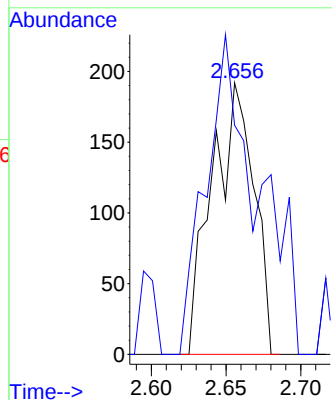
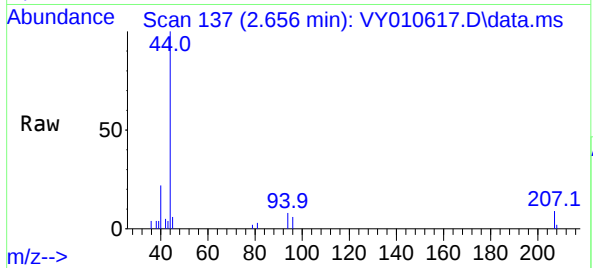




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY010617.D
Acq: 22 Sep 2022 13:08

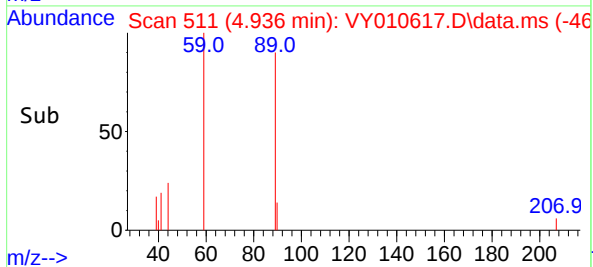
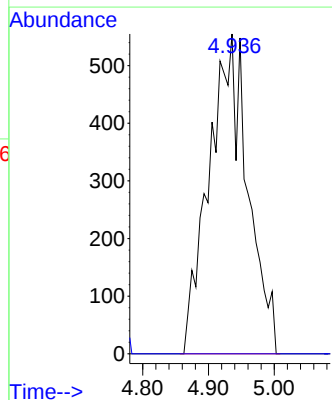
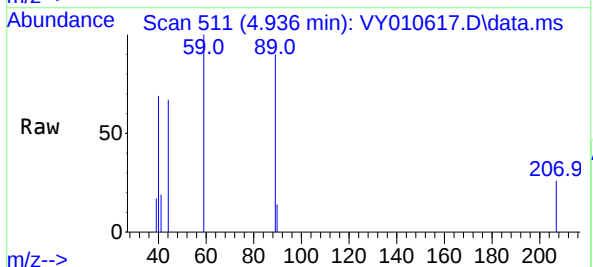
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

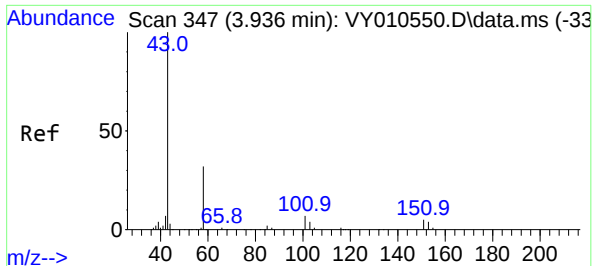
Tgt Ion: 94 Resp: 374
Ion Ratio Lower Upper
94 100
96 84.4 73.5 110.3



#11
Tert butyl alcohol
Concen: 2.748 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.006 min
Lab File: VY010617.D
Acq: 22 Sep 2022 13:08

Tgt Ion: 59 Resp: 2281
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

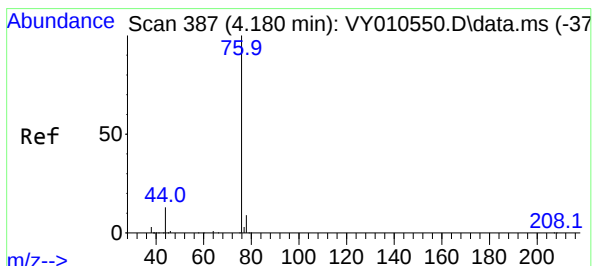
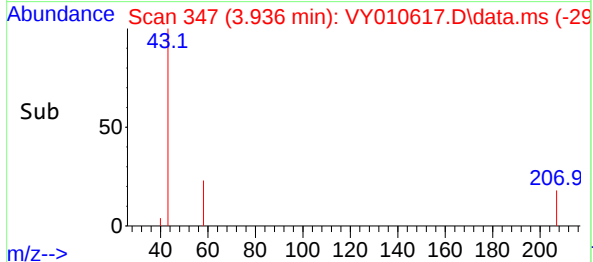
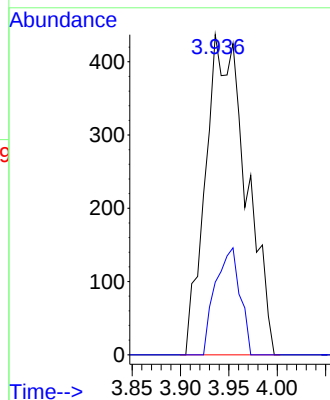
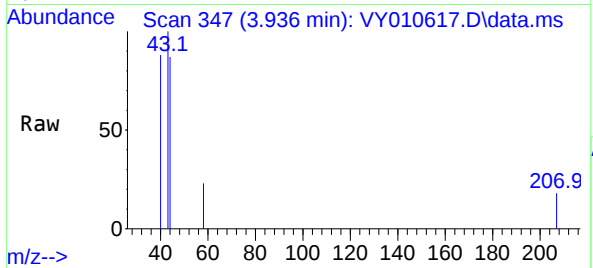




#16
Acetone
Concen: 3.369 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.000 min
Lab File: VY010617.D
Acq: 22 Sep 2022 13:08

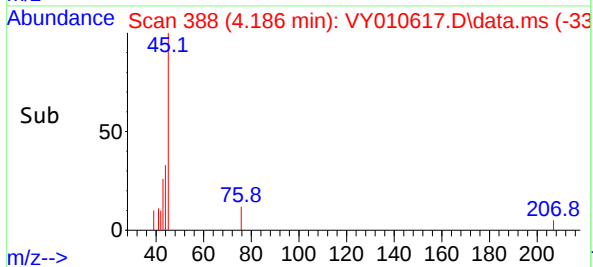
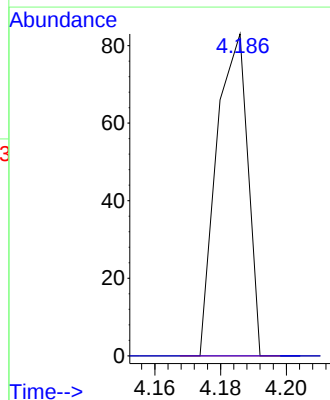
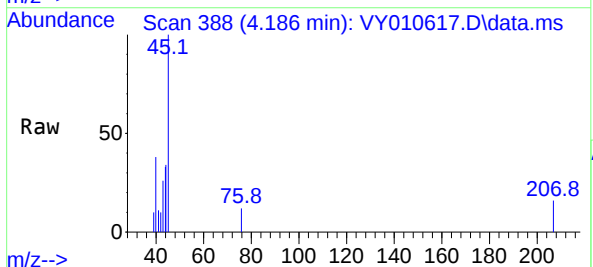
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

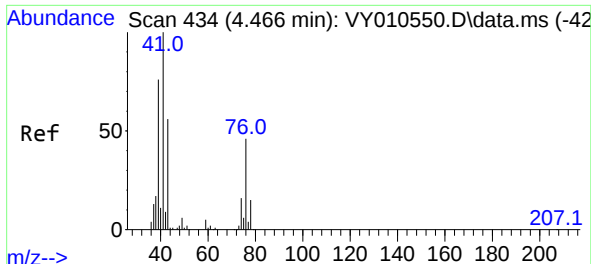
Tgt Ion: 43 Resp: 1270
Ion Ratio Lower Upper
43 100
58 22.7 22.0 33.0



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.186 min Scan# 388
Delta R.T. 0.006 min
Lab File: VY010617.D
Acq: 22 Sep 2022 13:08

Tgt Ion: 76 Resp: 55
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

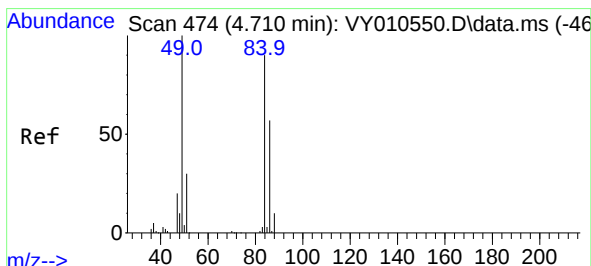
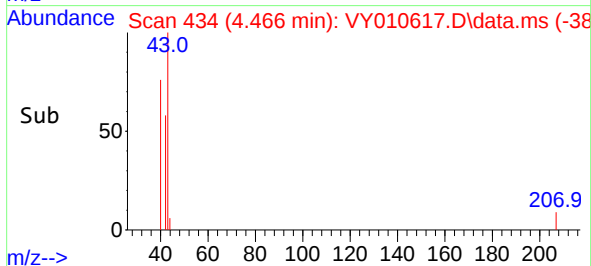
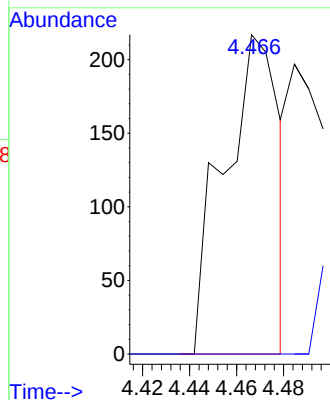
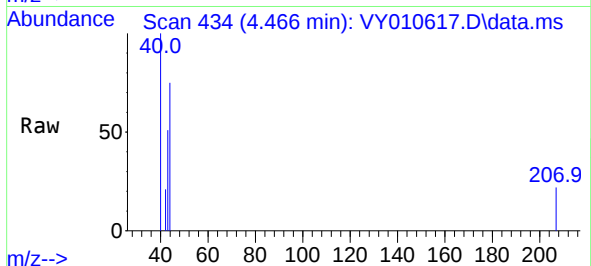




#18
Methyl Acetate
Concen: Below Cal
RT: 4.466 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY010617.D
Acq: 22 Sep 2022 13:08

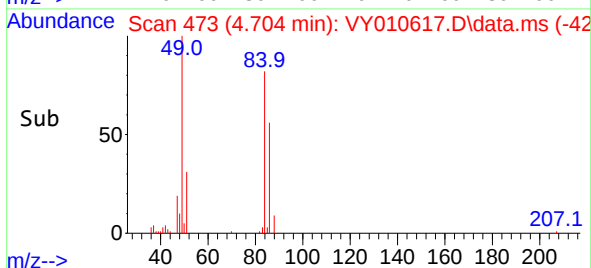
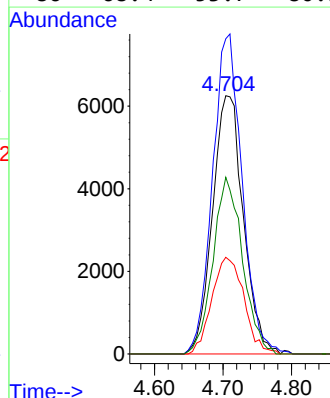
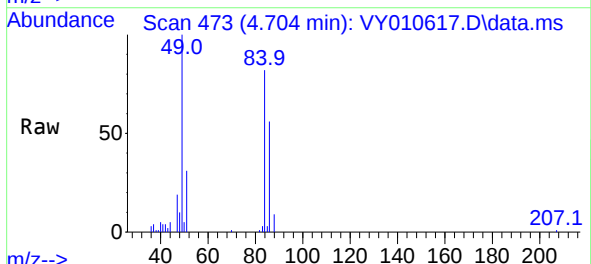
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

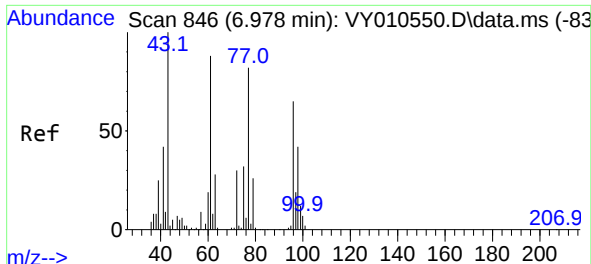
Tgt Ion: 43 Resp: 353
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 473
Delta R.T. -0.006 min
Lab File: VY010617.D
Acq: 22 Sep 2022 13:08

Tgt Ion: 84 Resp: 19512
Ion Ratio Lower Upper
84 100
49 122.0 114.4 171.6
51 37.4 35.3 52.9
86 68.4 53.7 80.5





#25

2-Butanone

Concen: 3.399 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY010617.D

Acq: 22 Sep 2022 13:08

Instrument :

MSVOA_Y

ClientSampleId :

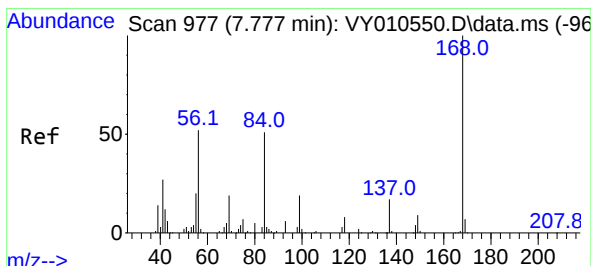
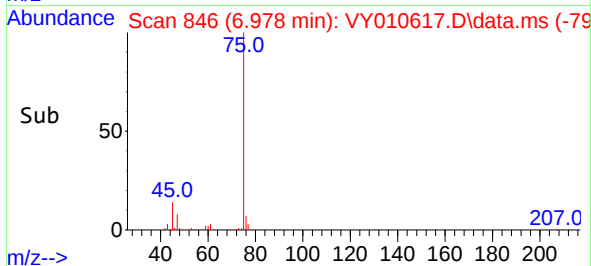
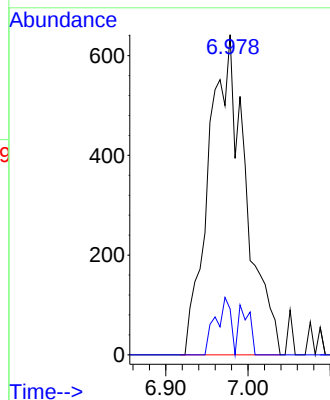
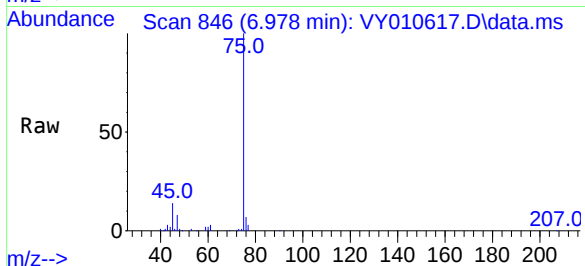
WC-1

Tgt Ion: 43 Resp: 2004

Ion Ratio Lower Upper

43 100

72 14.3 17.7 26.5#



#31

Cyclohexane

Concen: Below Cal

RT: 7.777 min Scan# 977

Delta R.T. -0.000 min

Lab File: VY010617.D

Acq: 22 Sep 2022 13:08

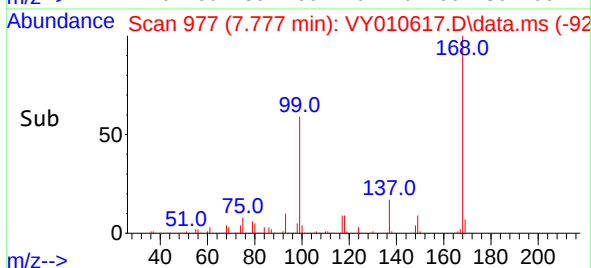
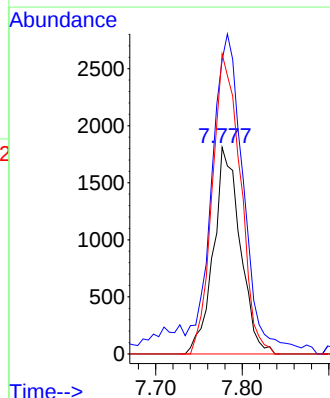
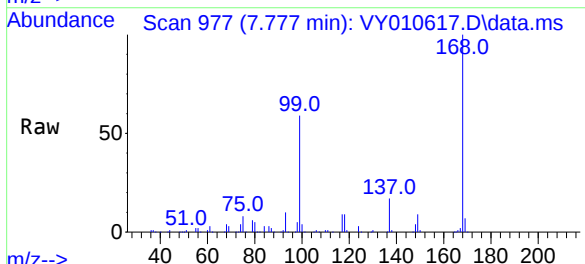
Tgt Ion: 56 Resp: 3881

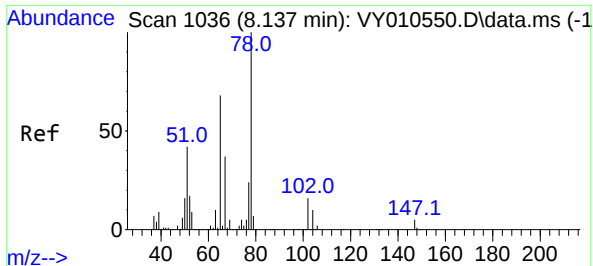
Ion Ratio Lower Upper

56 100

69 136.9 26.7 40.1#

84 145.2 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 54.125 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.001 min

Lab File: VY010617.D

Acq: 22 Sep 2022 13:08

Instrument :

MSVOA_Y

ClientSampleId :

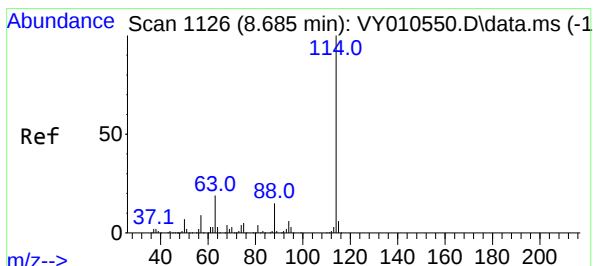
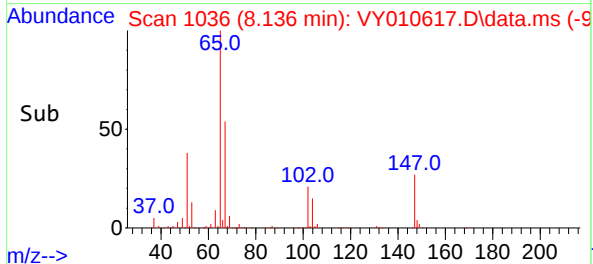
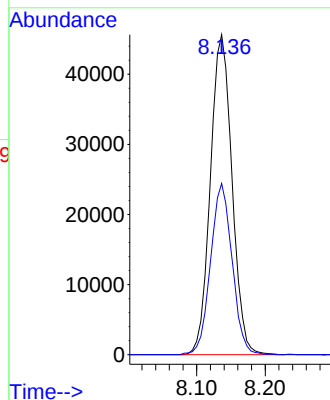
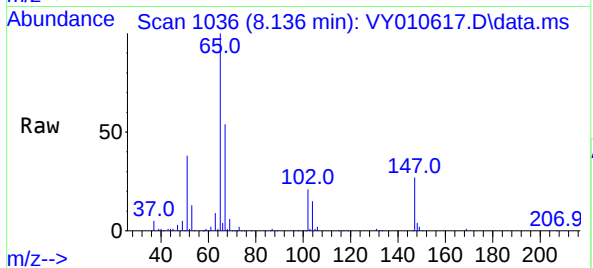
WC-1

Tgt Ion: 65 Resp: 100054

Ion Ratio Lower Upper

65 100

67 53.2 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: VY010617.D

Acq: 22 Sep 2022 13:08

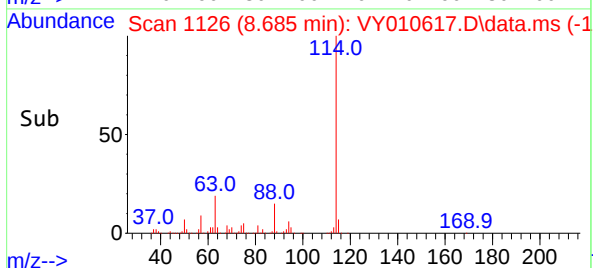
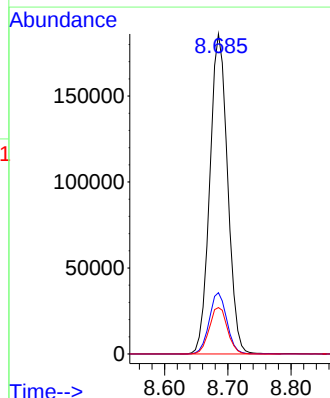
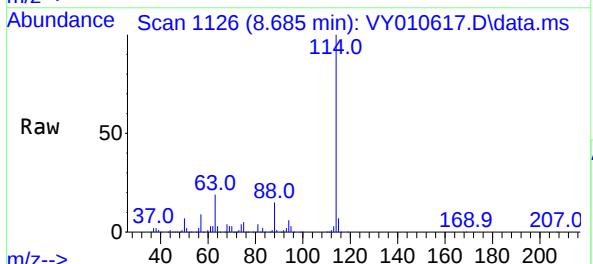
Tgt Ion:114 Resp: 364001

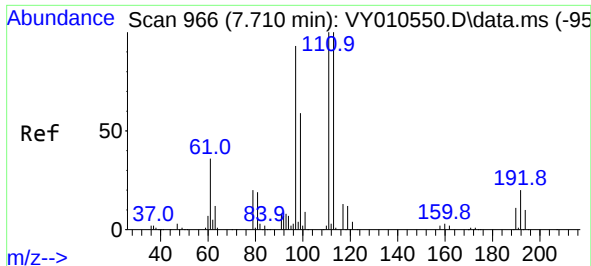
Ion Ratio Lower Upper

114 100

63 19.1 0.0 43.2

88 14.5 0.0 31.8

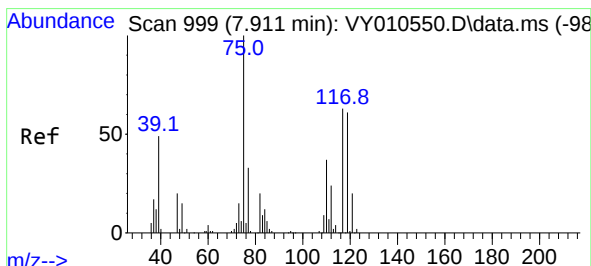
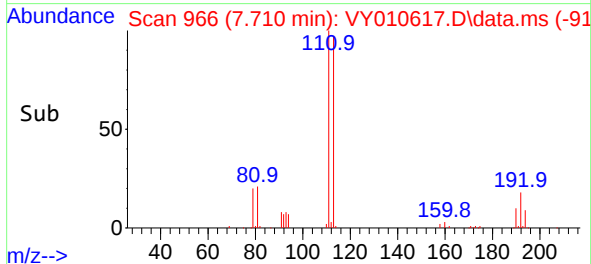
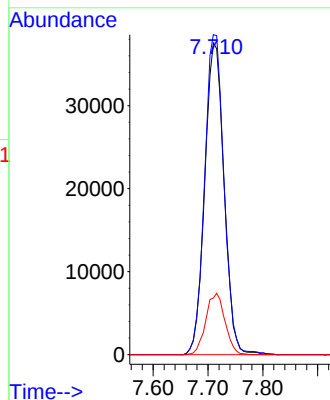
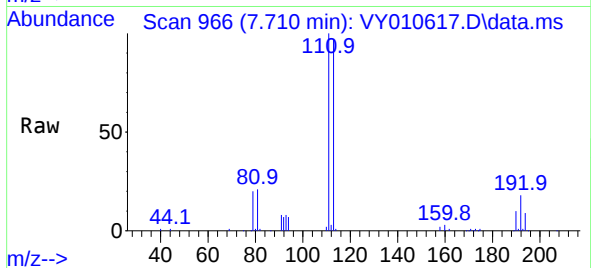




#35
Dibromofluoromethane
Concen: 39.496 ug/l
RT: 7.710 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010617.D
Acq: 22 Sep 2022 13:08

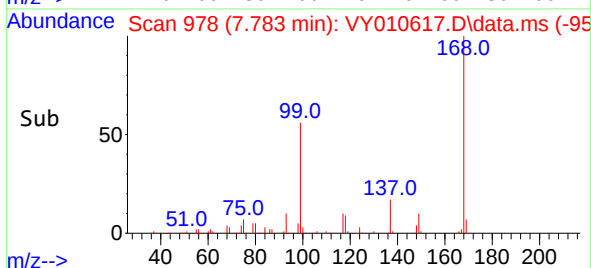
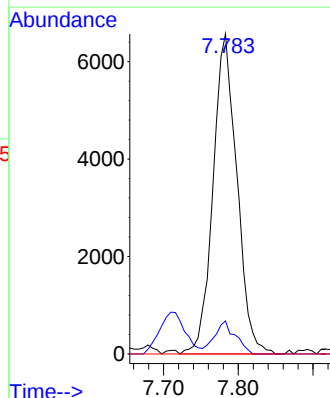
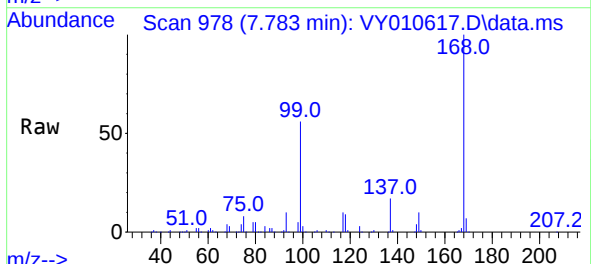
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

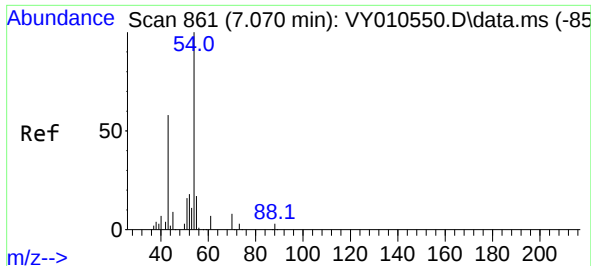
Tgt Ion:113 Resp: 91751
Ion Ratio Lower Upper
113 100
111 103.0 82.6 124.0
192 19.5 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.635 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY010617.D
Acq: 22 Sep 2022 13:08

Tgt Ion: 75 Resp: 14586
Ion Ratio Lower Upper
75 100
110 8.9 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.340 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.092 min

Lab File: VY010617.D

Acq: 22 Sep 2022 13:08

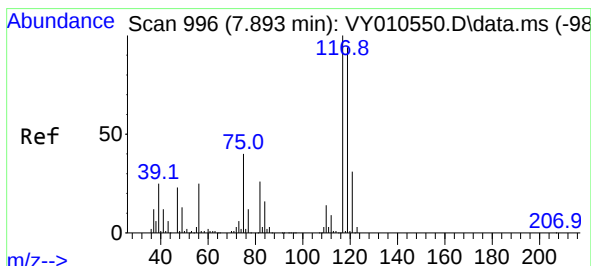
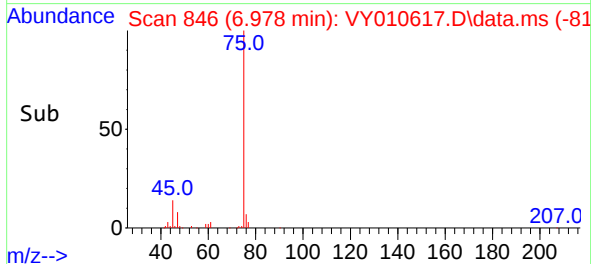
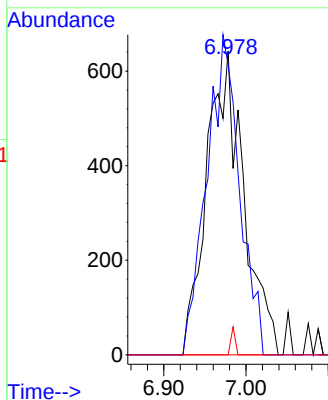
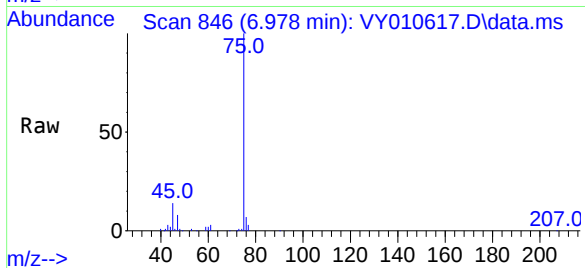
Instrument :

MSVOA_Y

ClientSampleId :

WC-1

Tgt Ion:	43	Resp:	2004
Ion	Ratio	Lower	Upper
43	100		
61	93.5	9.7	14.5#
70	1.1	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 6.403 ug/l

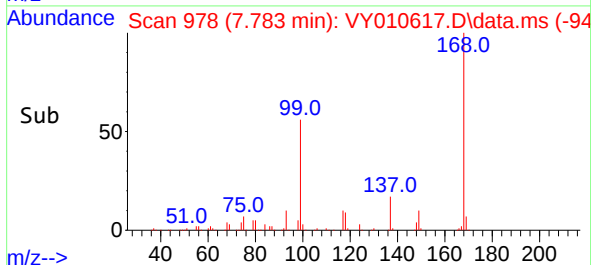
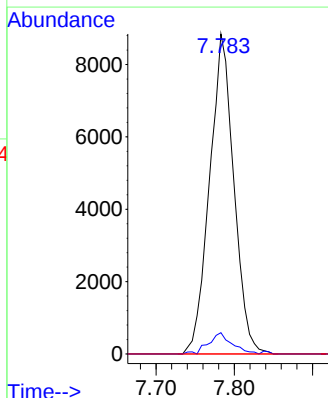
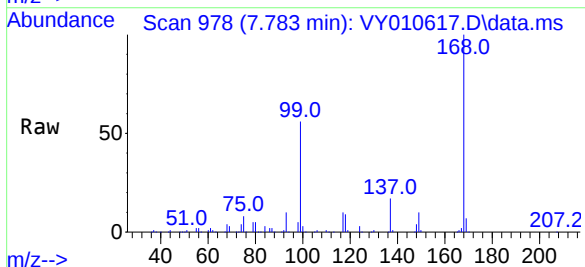
RT: 7.783 min Scan# 978

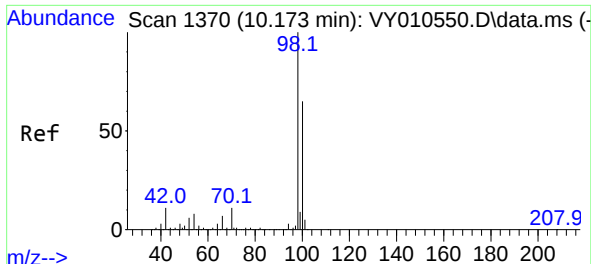
Delta R.T. -0.110 min

Lab File: VY010617.D

Acq: 22 Sep 2022 13:08

Tgt Ion:	117	Resp:	19055
Ion	Ratio	Lower	Upper
117	100		
119	6.6	77.9	116.9#
121	0.0	24.8	37.2#

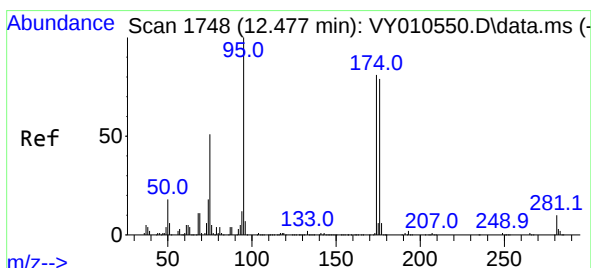
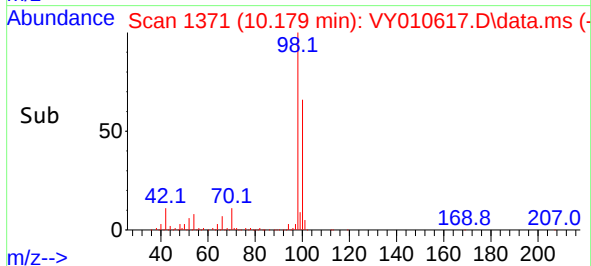
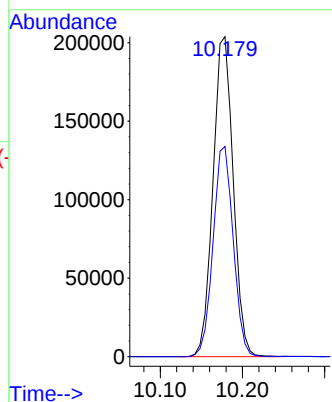
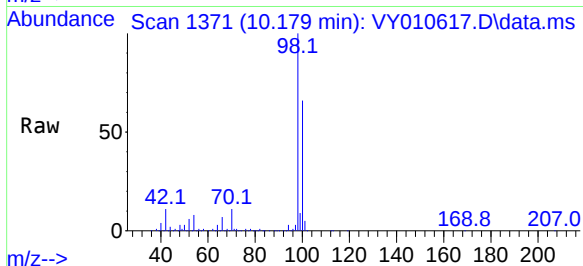




#50
Toluene-d8
Concen: 41.196 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010617.D
Acq: 22 Sep 2022 13:08

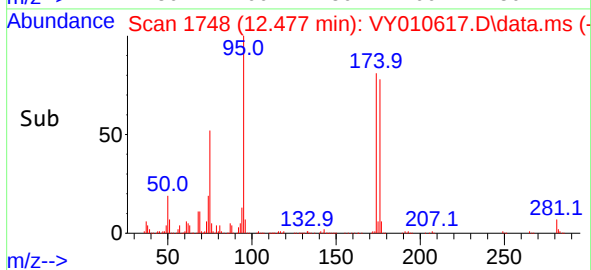
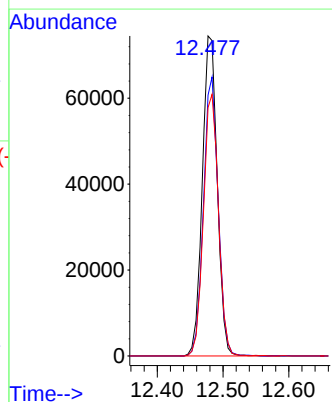
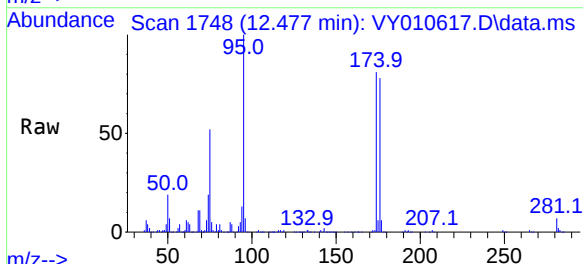
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

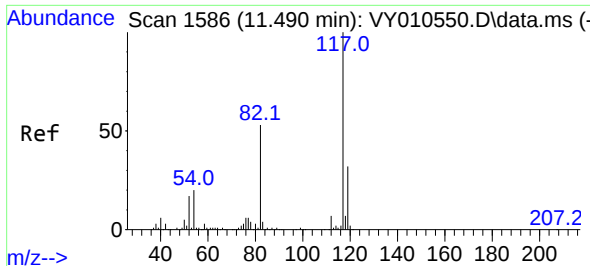
Tgt Ion: 98 Resp: 348657
Ion Ratio Lower Upper
98 100
100 65.4 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 36.116 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010617.D
Acq: 22 Sep 2022 13:08

Tgt Ion: 95 Resp: 117468
Ion Ratio Lower Upper
95 100
174 85.8 0.0 177.0
176 82.3 0.0 175.8

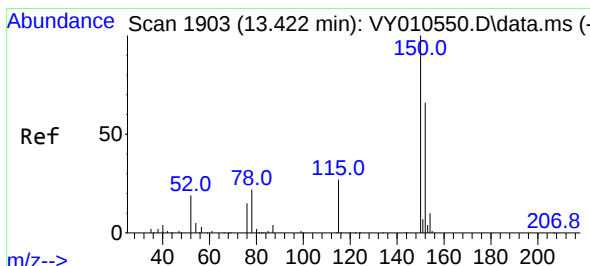
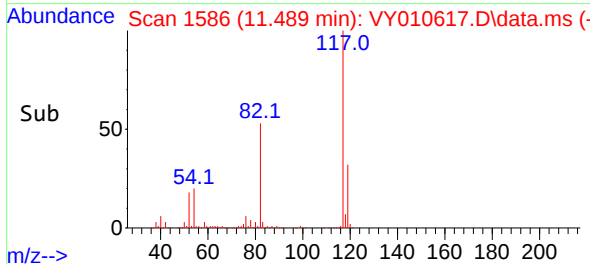
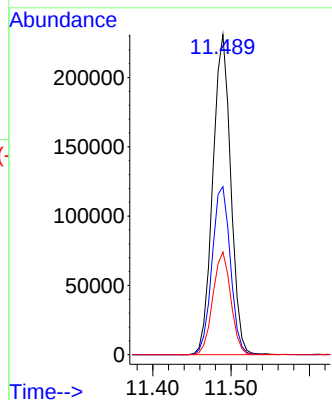
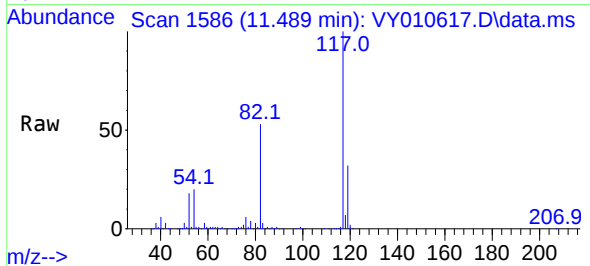




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.001 min
Lab File: VY010617.D
Acq: 22 Sep 2022 13:08

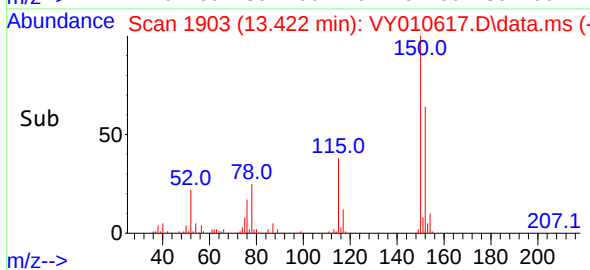
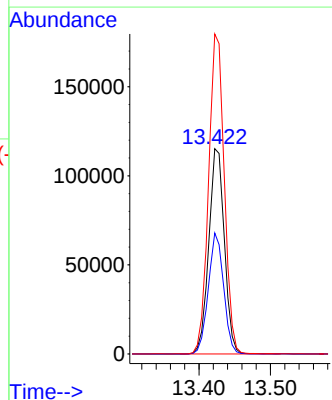
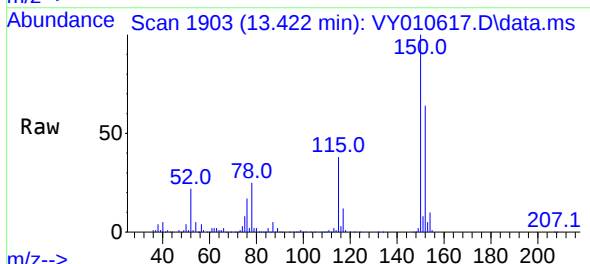
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

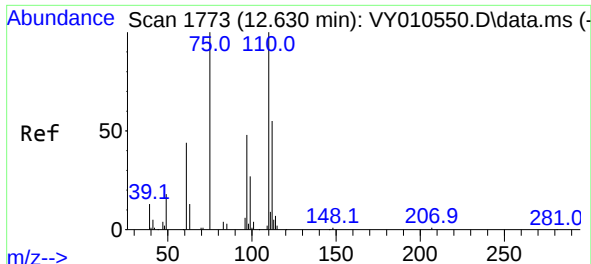
Tgt Ion:117 Resp: 367552
Ion Ratio Lower Upper
117 100
82 52.5 43.0 64.4
119 32.1 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010617.D
Acq: 22 Sep 2022 13:08

Tgt Ion:152 Resp: 174729
Ion Ratio Lower Upper
152 100
115 57.8 28.2 84.7
150 156.6 0.0 347.6

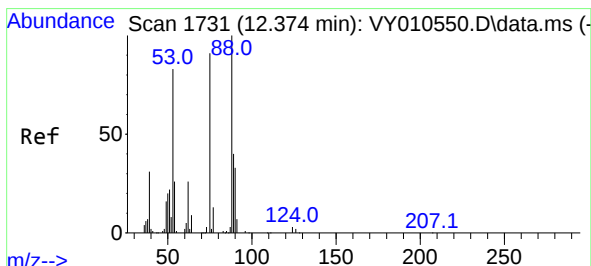
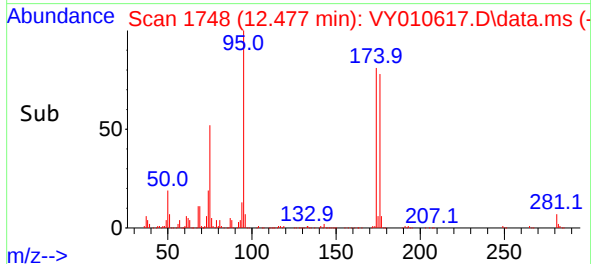
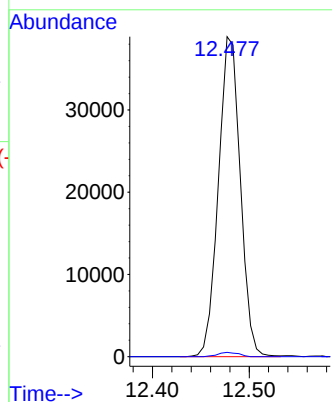
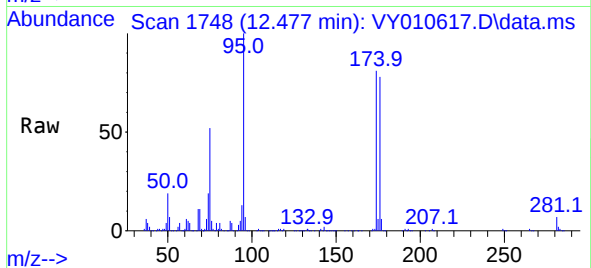




#76
1,2,3-Trichloropropane
Concen: 36.690 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010617.D
Acq: 22 Sep 2022 13:08

Instrument :
MSVOA_Y
ClientSampleId :
WC-1

Tgt Ion: 75 Resp: 61187
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.578 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY010617.D
Acq: 22 Sep 2022 13:08

Tgt Ion: 75 Resp: 61187
Ion Ratio Lower Upper
75 100
53 0.2 85.3 127.9#
89 0.2 37.0 55.4#

