

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY093022\
 Data File : VY010752.D
 Acq On : 30 Sep 2022 16:16
 Operator : KP/MD
 Sample : N4896-01RE
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 01 06:18:52 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	7.789	168	183183	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	304560	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	262174	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	104036	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	105896	60.439	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	120.880%
35) Dibromofluoromethane	7.722	113	6649	3.421	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	6.840%#
50) Toluene-d8	10.179	98	327811	45.907	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	91.820%
62) 4-Bromofluorobenzene	12.477	95	110773	41.068	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	82.140%

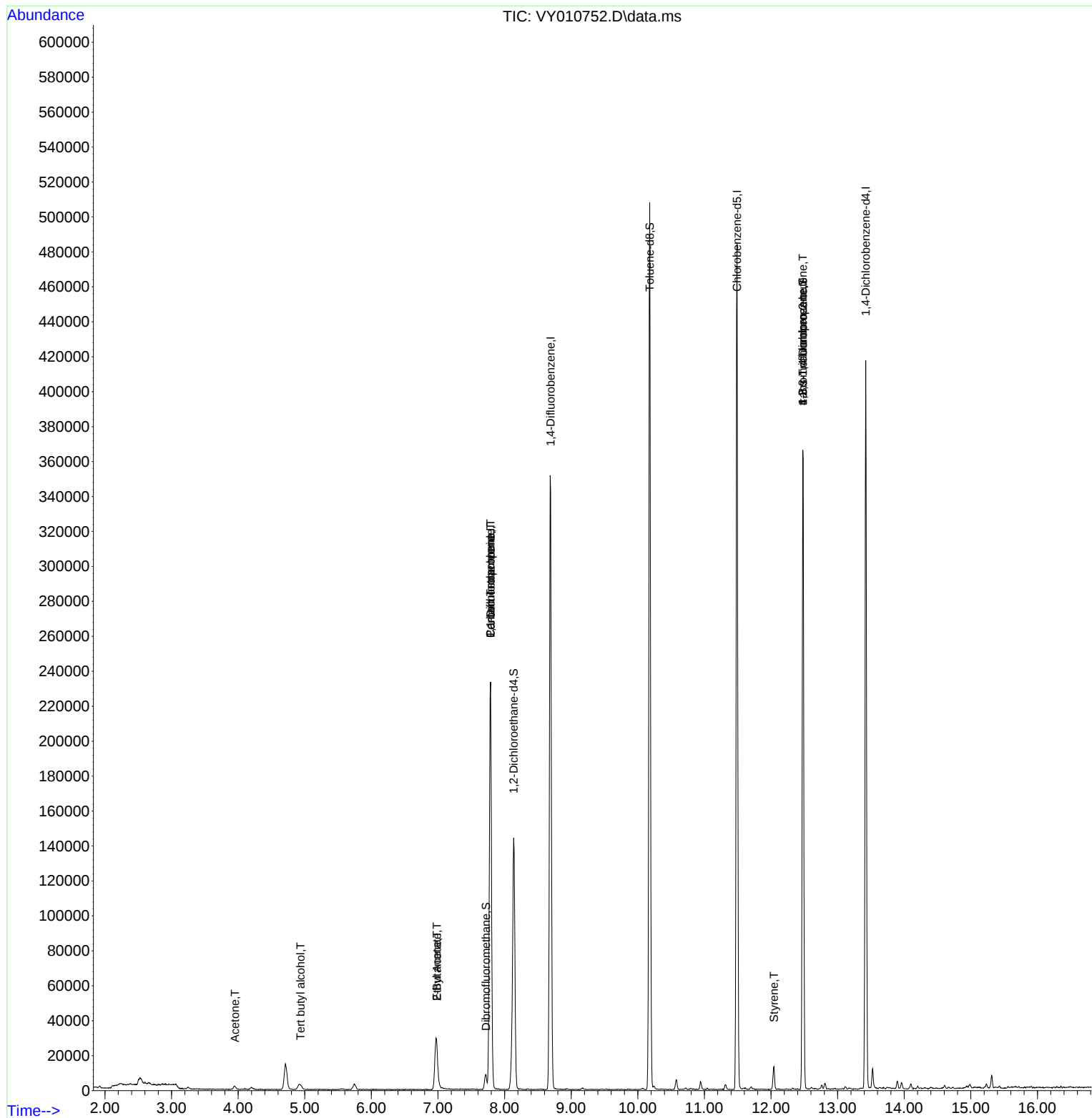
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	1.906	85	289	Below Cal		87
3) Chloromethane	2.113	50	357	Below Cal		99
4) Vinyl Chloride	2.241	62	136	Below Cal	#	43
5) Bromomethane	2.662	94	325	Below Cal		97
11) Tert butyl alcohol	4.936	59	3683	12.903	ug/l #	77
16) Acetone	3.954	43	3428	9.594	ug/l #	84
17) Carbon Disulfide	4.186	76	357	Below Cal	#	75
18) Methyl Acetate	4.716	43	110	Below Cal	#	56
20) Methylene Chloride	4.710	84	11267	Below Cal		88
25) 2-Butanone	6.984	43	2388	4.273	ug/l	99
31) Cyclohexane	7.783	56	3548	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	13878	6.408	ug/l #	50
37) Ethyl Acetate	6.984	43	2388	1.909	ug/l #	4
38) Carbon Tetrachloride	7.789	117	17761	7.132	ug/l #	15
70) Styrene	12.044	104	6362	1.246	ug/l #	83
76) 1,2,3-Trichloropropane	12.477	75	57774	58.184	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	57774	129.368	ug/l #	7

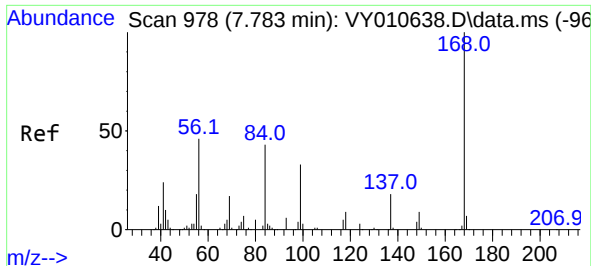
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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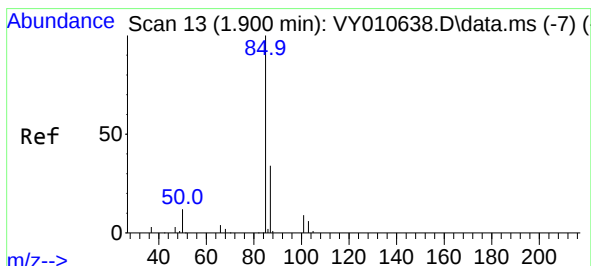
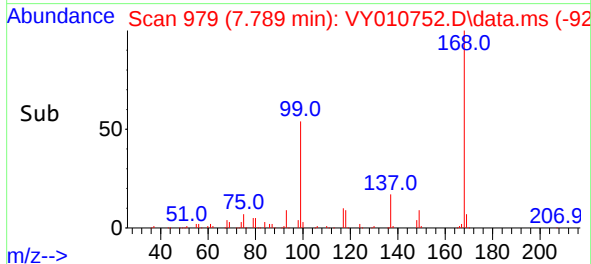
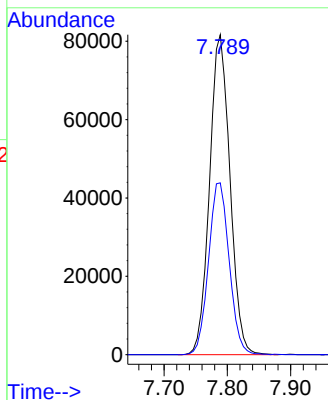
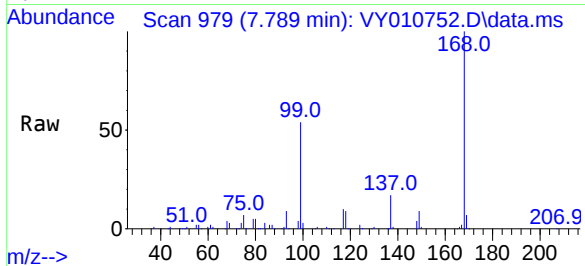




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010752.D
Acq: 30 Sep 2022 16:16

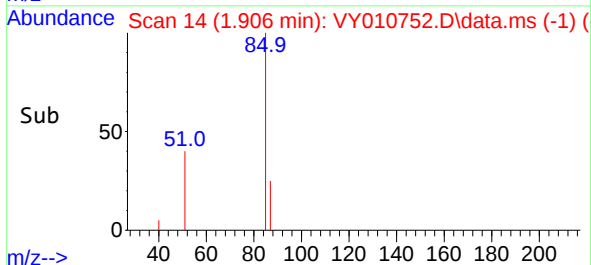
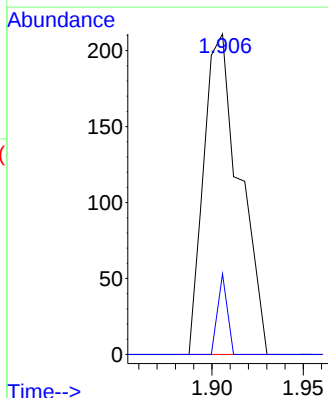
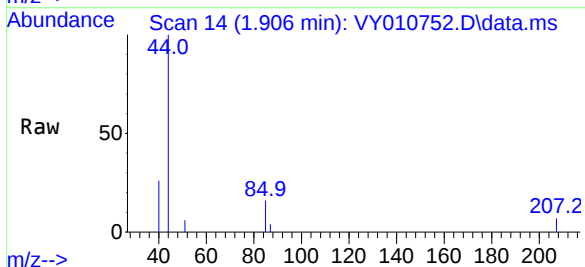
Instrument :
MSVOA_Y
ClientSampleId :

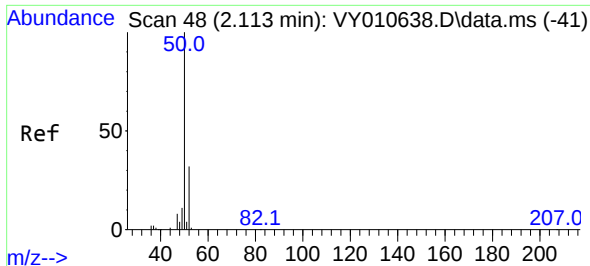
Tgt Ion:168 Resp: 183183
Ion Ratio Lower Upper
168 100
99 53.7 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY010752.D
Acq: 30 Sep 2022 16:16

Tgt Ion: 85 Resp: 289
Ion Ratio Lower Upper
85 100
87 25.1 16.1 48.2

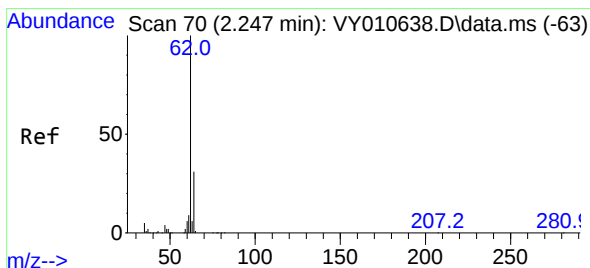
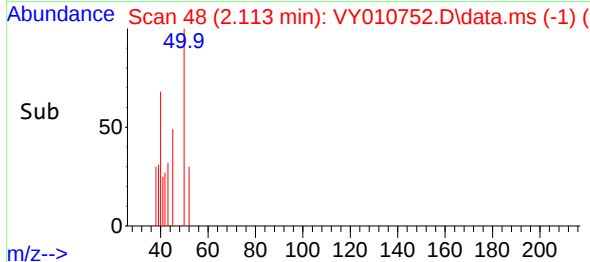
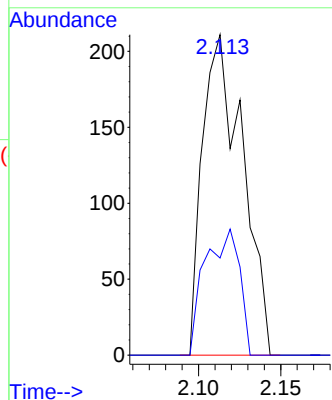
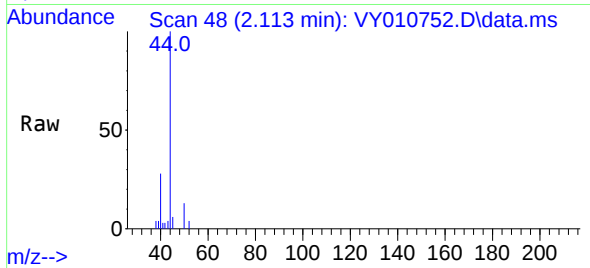




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY010752.D
Acq: 30 Sep 2022 16:16

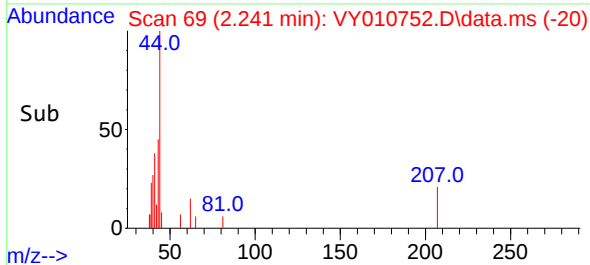
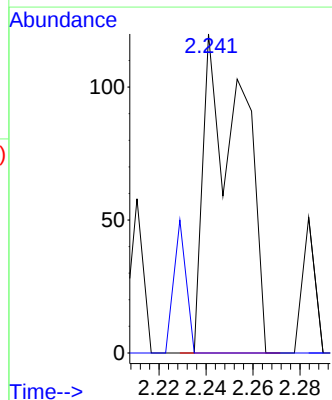
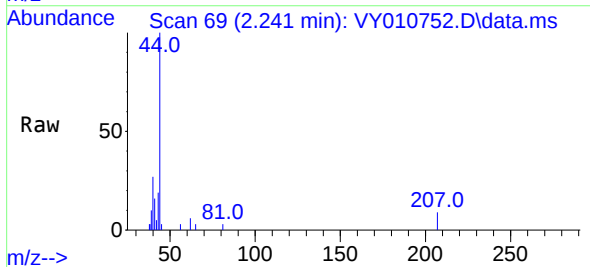
Instrument :
MSVOA_Y
ClientSampleId :

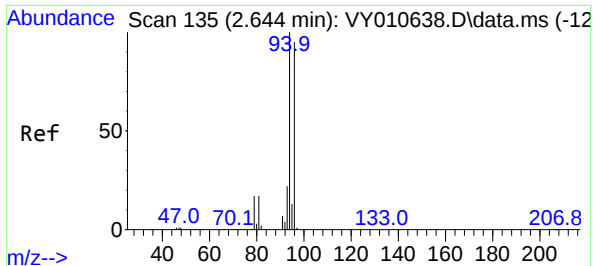
Tgt Ion: 50 Resp: 357
Ion Ratio Lower Upper
50 100
52 30.3 24.6 37.0



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.241 min Scan# 69
Delta R.T. 0.000 min
Lab File: VY010752.D
Acq: 30 Sep 2022 16:16

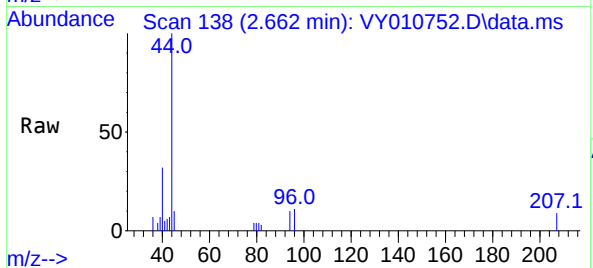
Tgt Ion: 62 Resp: 136
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#



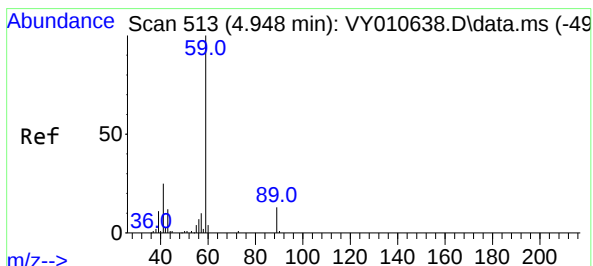
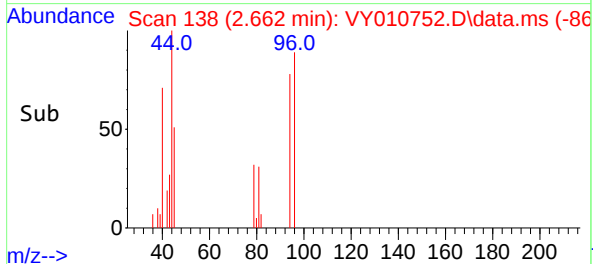
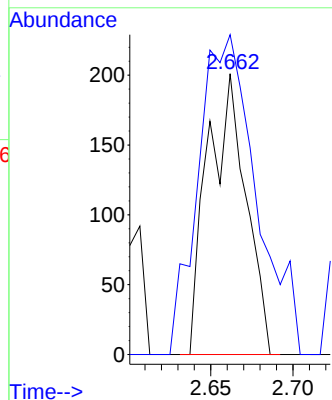


#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY010752.D
Acq: 30 Sep 2022 16:16

Instrument :
MSVOA_Y
ClientSampleId :

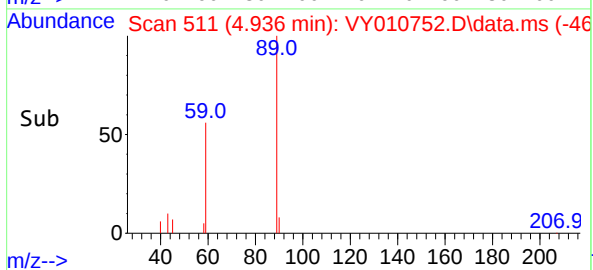
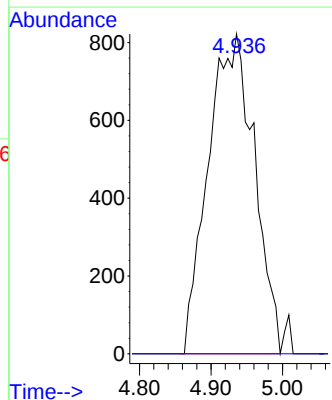
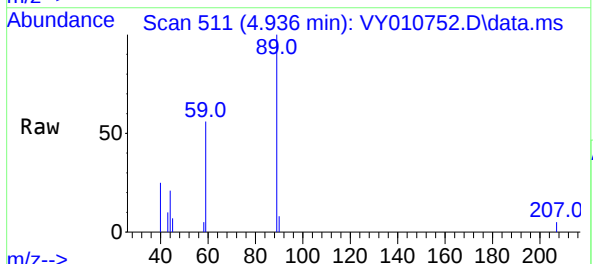


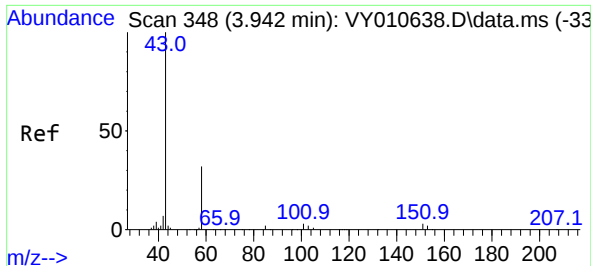
Tgt Ion: 94 Resp: 325
Ion Ratio Lower Upper
94 100
96 89.1 73.5 110.3



#11
Tert butyl alcohol
Concen: 12.903 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.006 min
Lab File: VY010752.D
Acq: 30 Sep 2022 16:16

Tgt Ion: 59 Resp: 3683
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

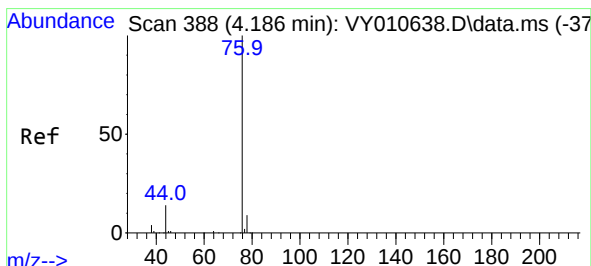
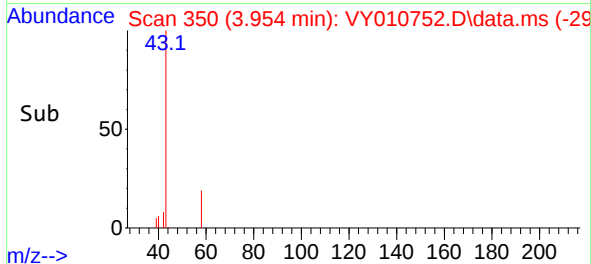
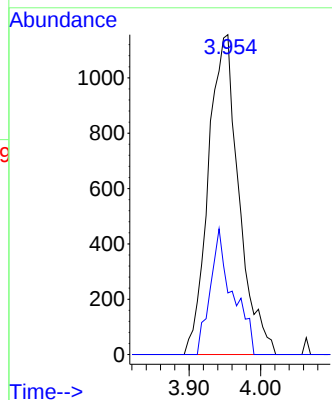
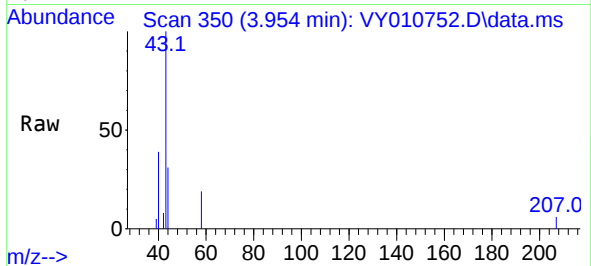




#16
Acetone
Concen: 9.594 ug/l
RT: 3.954 min Scan# 348
Delta R.T. 0.018 min
Lab File: VY010752.D
Acq: 30 Sep 2022 16:16

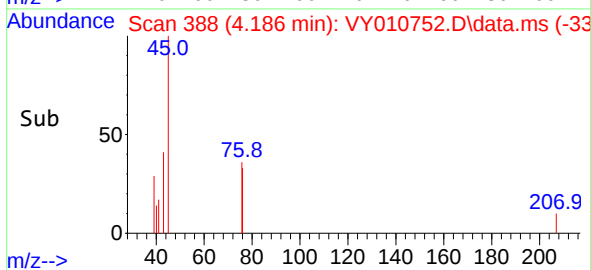
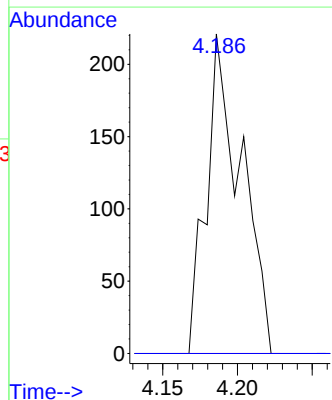
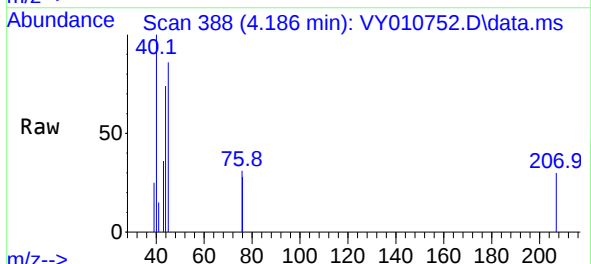
Instrument :
MSVOA_Y
ClientSampleId :

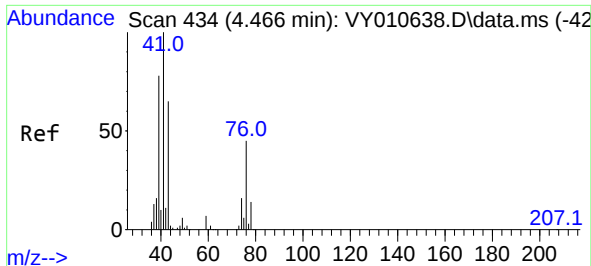
Tgt Ion: 43 Resp: 3428
Ion Ratio Lower Upper
43 100
58 19.3 22.0 33.0#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.186 min Scan# 388
Delta R.T. 0.006 min
Lab File: VY010752.D
Acq: 30 Sep 2022 16:16

Tgt Ion: 76 Resp: 357
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

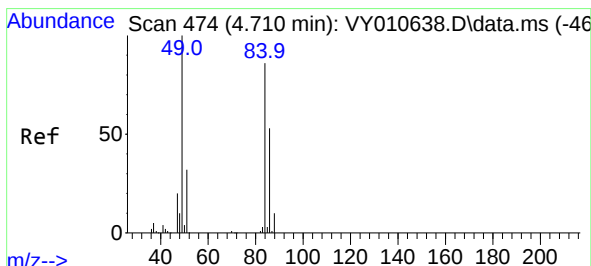
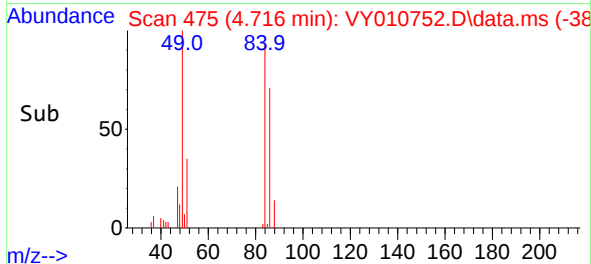
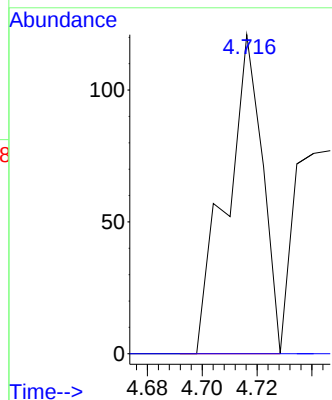
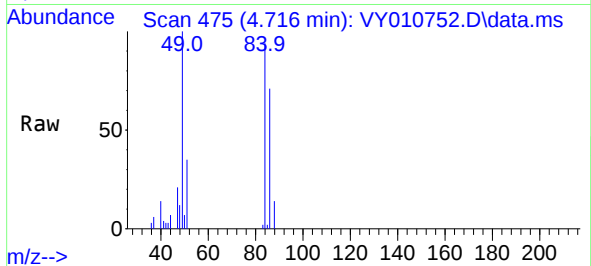




#18
Methyl Acetate
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.250 min
Lab File: VY010752.D
Acq: 30 Sep 2022 16:16

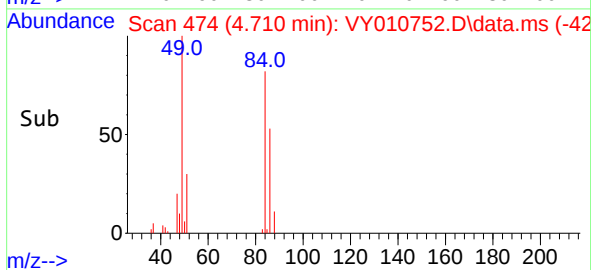
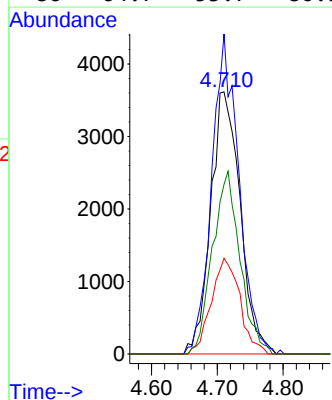
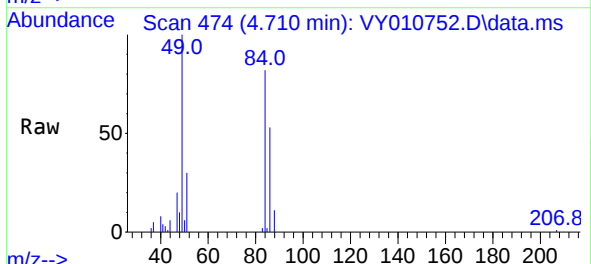
Instrument :
MSVOA_Y
ClientSampleId :

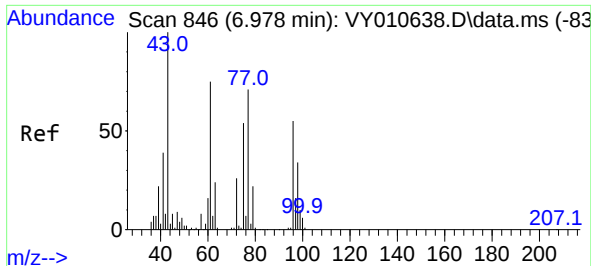
Tgt Ion: 43 Resp: 110
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY010752.D
Acq: 30 Sep 2022 16:16

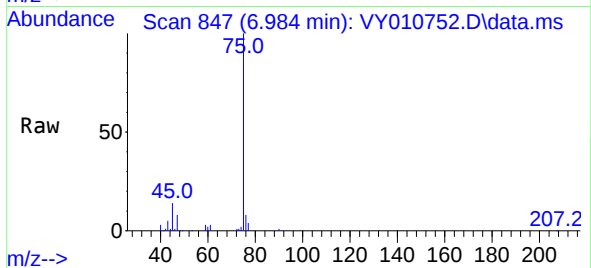
Tgt Ion: 84 Resp: 11267
Ion Ratio Lower Upper
84 100
49 122.1 114.4 171.6
51 36.5 35.3 52.9
86 64.7 53.7 80.5



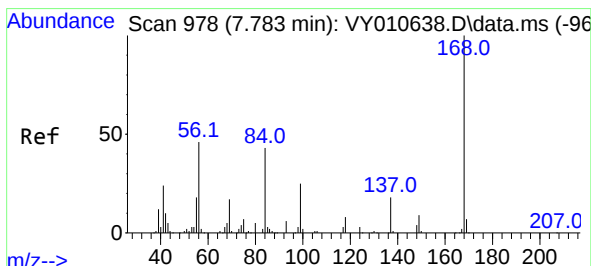
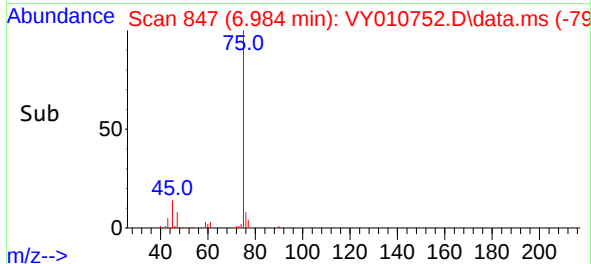
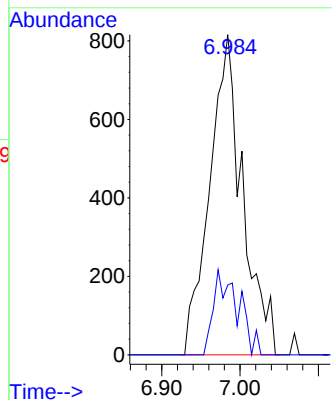


#25
2-Butanone
Concen: 4.273 ug/l
RT: 6.984 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY010752.D
Acq: 30 Sep 2022 16:16

Instrument :
MSVOA_Y
ClientSampleId :

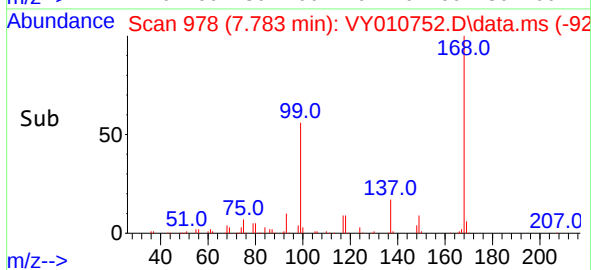
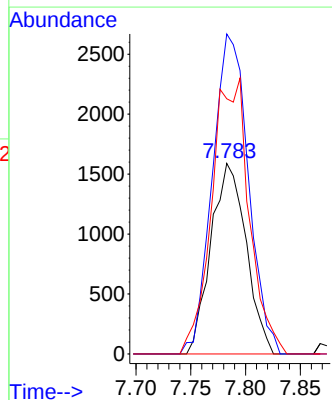
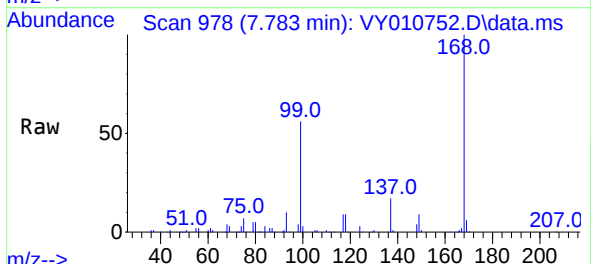


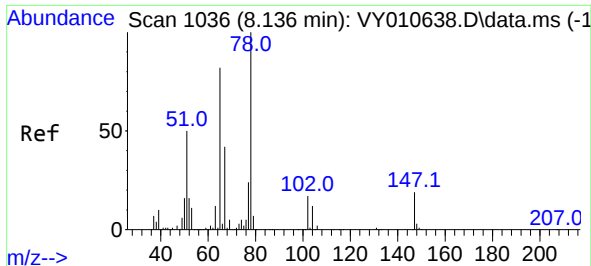
Tgt Ion: 43 Resp: 2388
Ion Ratio Lower Upper
43 100
72 21.8 17.7 26.5



#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 978
Delta R.T. 0.006 min
Lab File: VY010752.D
Acq: 30 Sep 2022 16:16

Tgt Ion: 56 Resp: 3548
Ion Ratio Lower Upper
56 100
69 167.9 26.7 40.1#
84 133.8 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 60.439 ug/l

RT: 8.136 min Scan# 110

Delta R.T. -0.001 min

Lab File: VY010752.D

Acq: 30 Sep 2022 16:16

Instrument :

MSVOA_Y

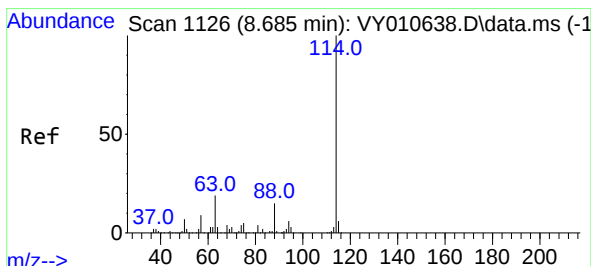
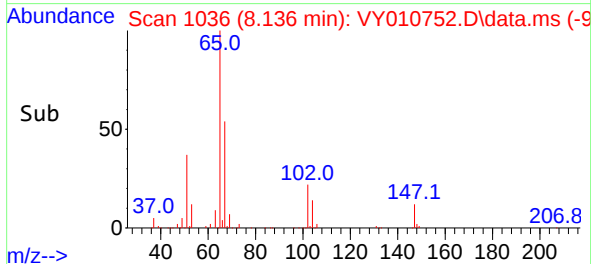
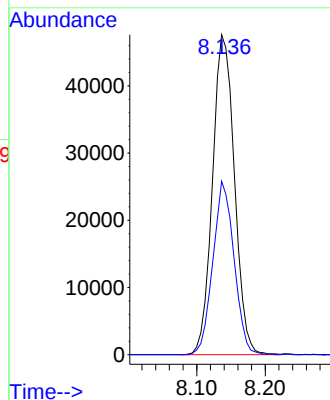
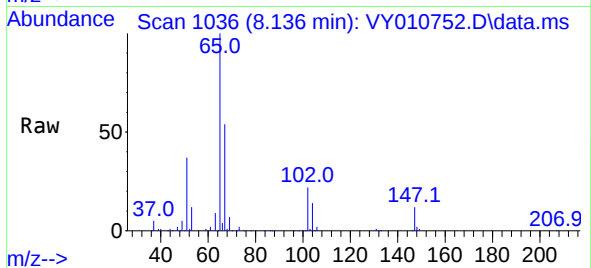
ClientSampleId :

Tgt Ion: 65 Resp: 105896

Ion Ratio Lower Upper

65 100

67 52.3 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY010752.D

Acq: 30 Sep 2022 16:16

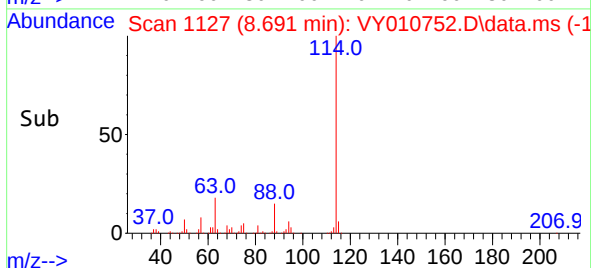
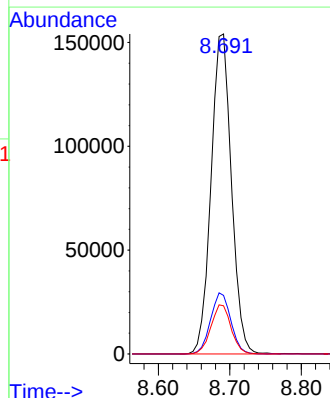
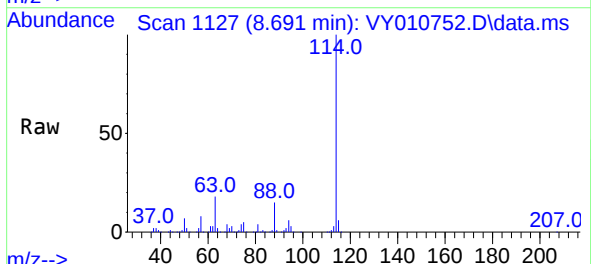
Tgt Ion: 114 Resp: 304560

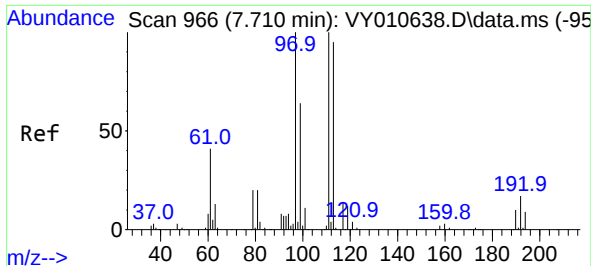
Ion Ratio Lower Upper

114 100

63 18.3 0.0 43.2

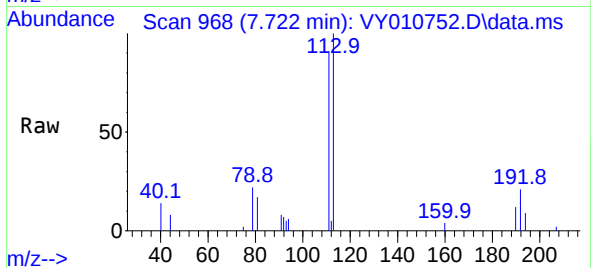
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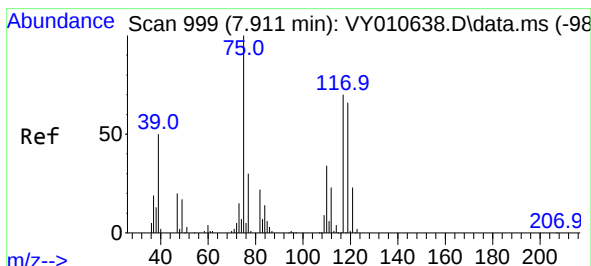
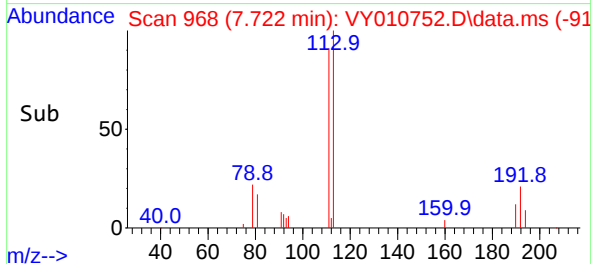
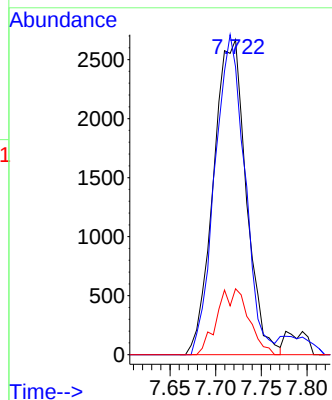
#35
 Dibromofluoromethane
 Concen: 3.421 ug/l
 RT: 7.722 min Scan# 91
 Delta R.T. 0.012 min
 Lab File: VY010752.D
 Acq: 30 Sep 2022 16:16

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 113 Resp: 6649

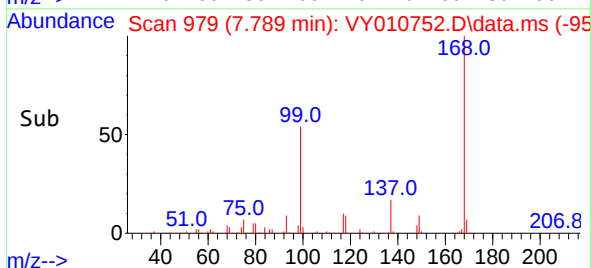
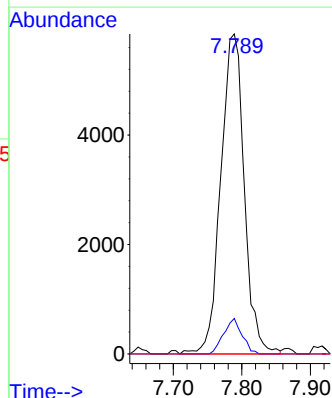
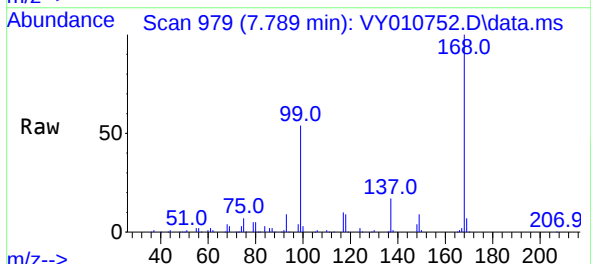
Ion	Ratio	Lower	Upper
113	100		
111	93.2	82.6	124.0
192	20.2	17.6	26.4

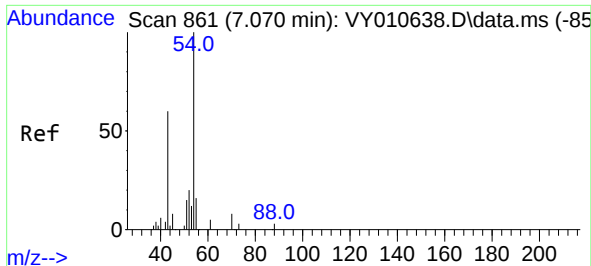


#36
 1,1-Dichloropropene
 Concen: 6.408 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.122 min
 Lab File: VY010752.D
 Acq: 30 Sep 2022 16:16

Tgt Ion: 75 Resp: 13878

Ion	Ratio	Lower	Upper
75	100		
110	8.7	17.1	51.2#
77	0.0	24.4	36.6#





#37

Ethyl Acetate

Concen: 1.909 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.086 min

Lab File: VY010752.D

Acq: 30 Sep 2022 16:16

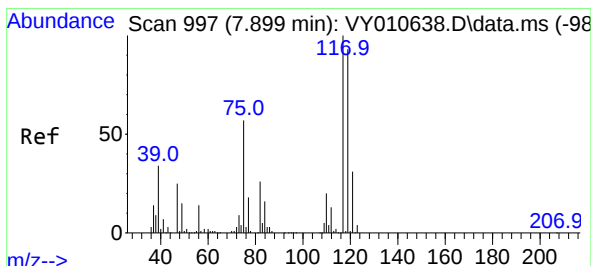
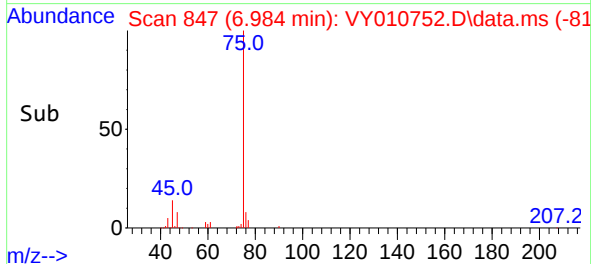
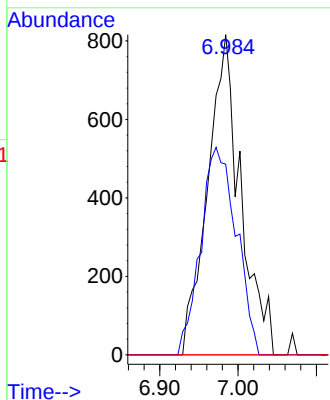
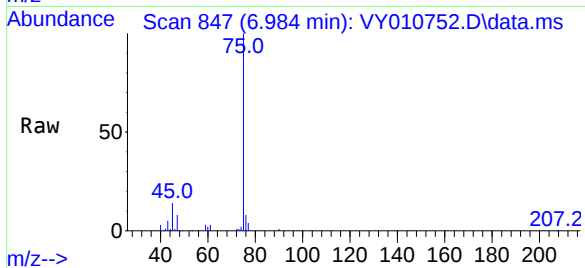
Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 43 Resp: 2388

Ion	Ratio	Lower	Upper
43	100		
61	70.1	9.7	14.5#
70	0.0	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 7.132 ug/l

RT: 7.789 min Scan# 979

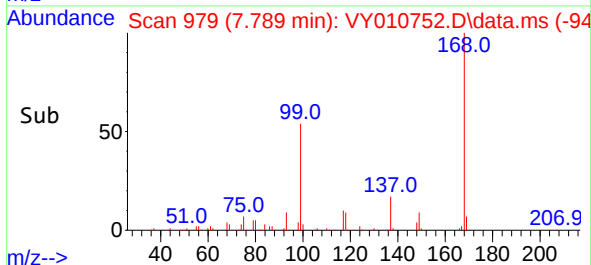
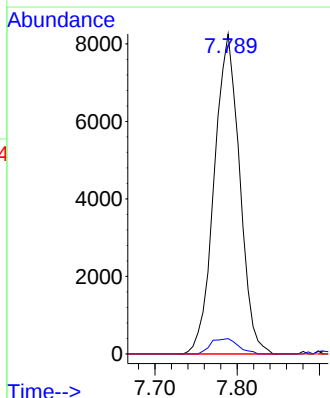
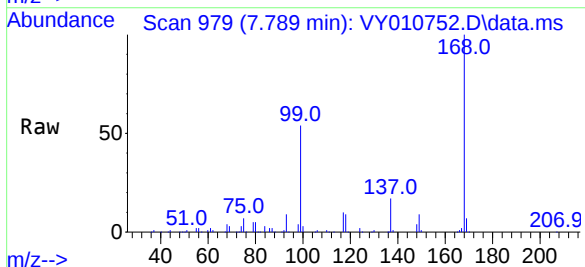
Delta R.T. -0.104 min

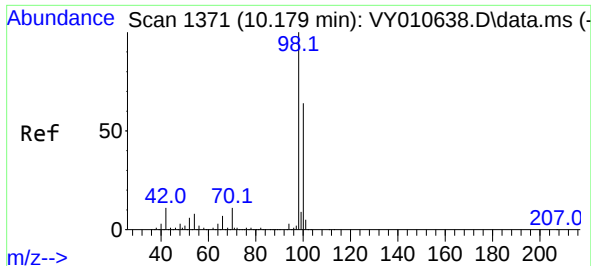
Lab File: VY010752.D

Acq: 30 Sep 2022 16:16

Tgt Ion: 117 Resp: 17761

Ion	Ratio	Lower	Upper
117	100		
119	4.8	77.9	116.9#
121	0.0	24.8	37.2#

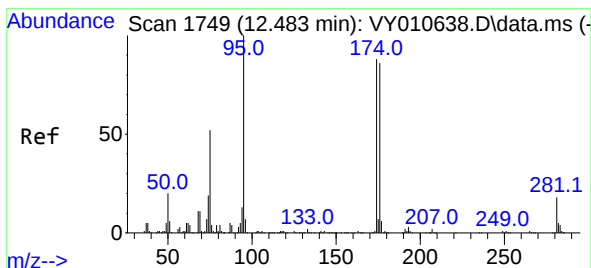
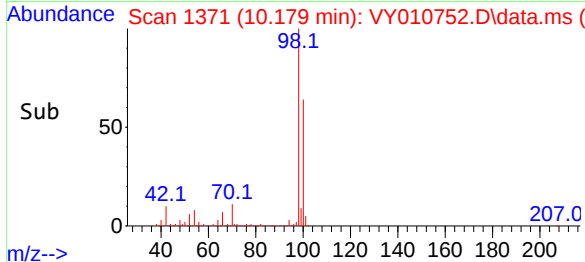
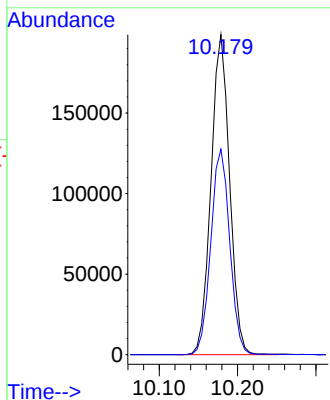
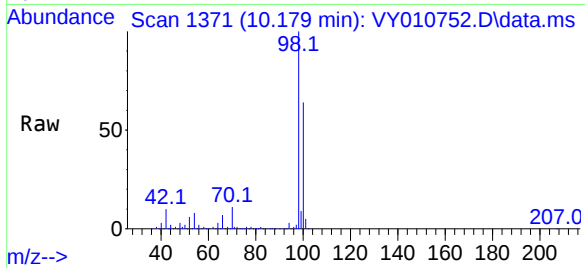




#50
Toluene-d8
Concen: 45.907 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010752.D
Acq: 30 Sep 2022 16:16

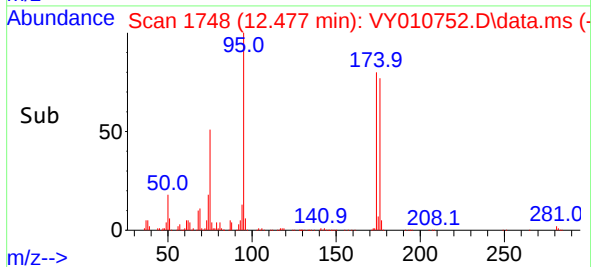
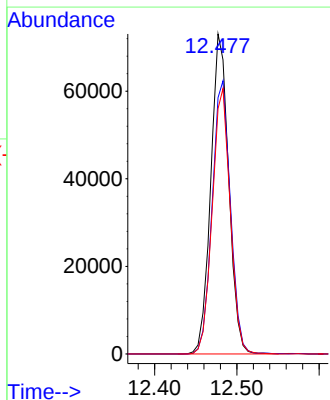
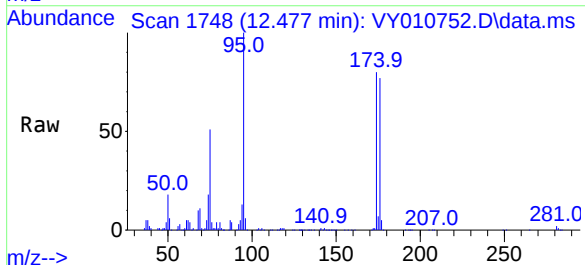
Instrument :
MSVOA_Y
ClientSampleId :

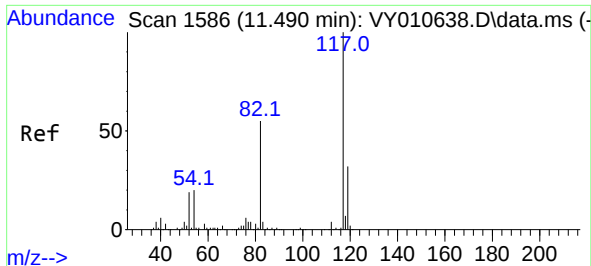
Tgt Ion: 98 Resp: 327811
Ion Ratio Lower Upper
98 100
100 65.4 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 41.068 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010752.D
Acq: 30 Sep 2022 16:16

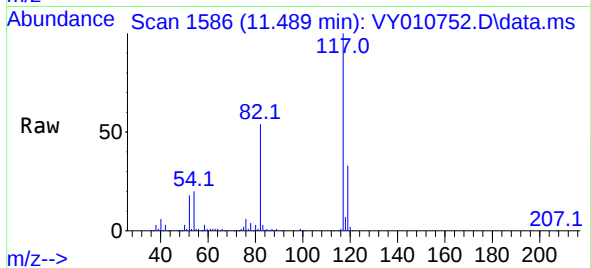
Tgt Ion: 95 Resp: 110773
Ion Ratio Lower Upper
95 100
174 86.8 0.0 177.0
176 83.1 0.0 175.8



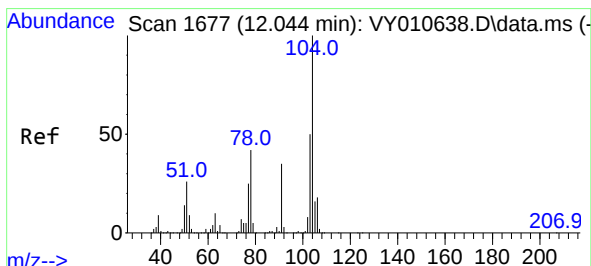
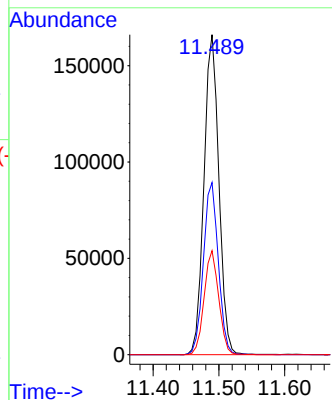
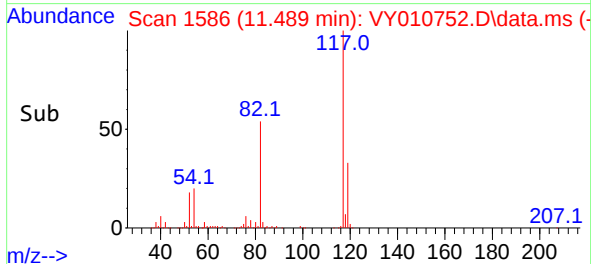


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1170
Delta R.T. -0.001 min
Lab File: VY010752.D
Acq: 30 Sep 2022 16:16

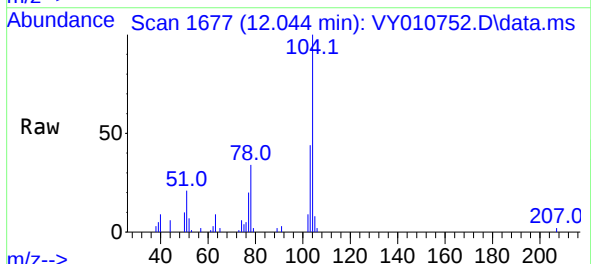
Instrument :
MSVOA_Y
ClientSampleId :



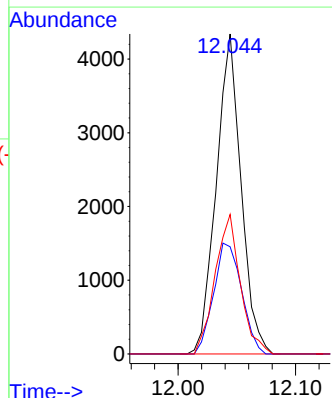
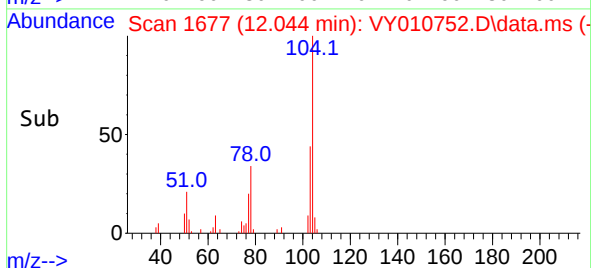
Tgt Ion:117 Resp: 262174
Ion Ratio Lower Upper
117 100
82 53.8 43.0 64.4
119 32.5 25.4 38.0

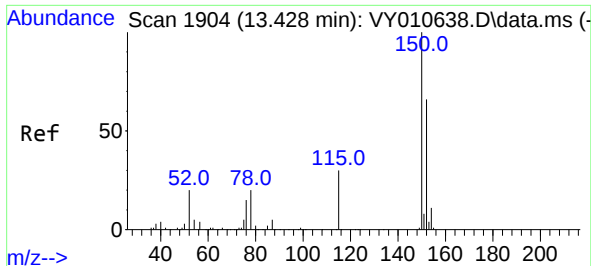


#70
Styrene
Concen: 1.246 ug/l
RT: 12.044 min Scan# 1677
Delta R.T. 0.006 min
Lab File: VY010752.D
Acq: 30 Sep 2022 16:16



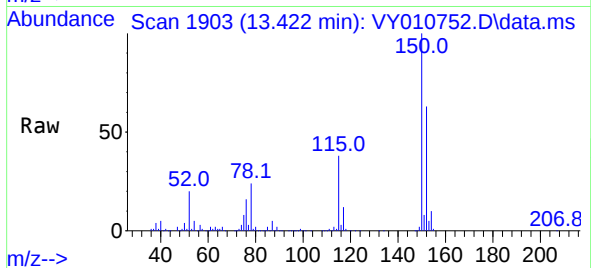
Tgt Ion:104 Resp: 6362
Ion Ratio Lower Upper
104 100
78 39.2 42.4 63.6#
103 44.5 44.4 66.6



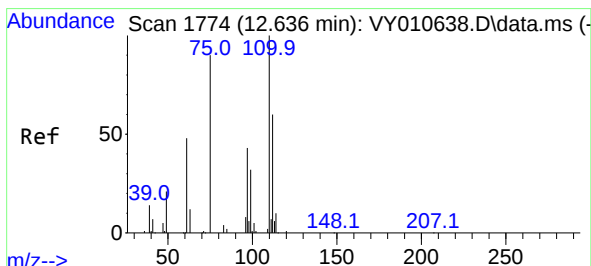
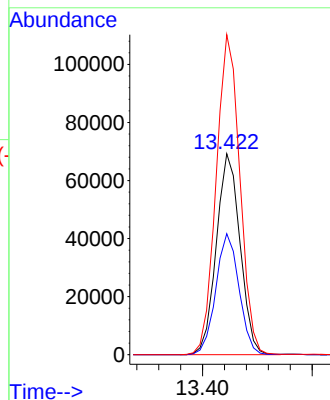
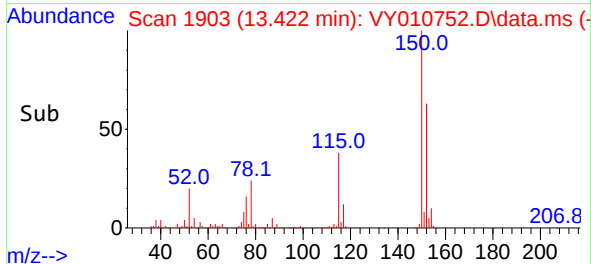


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY010752.D
Acq: 30 Sep 2022 16:16

Instrument :
MSVOA_Y
ClientSampleId :

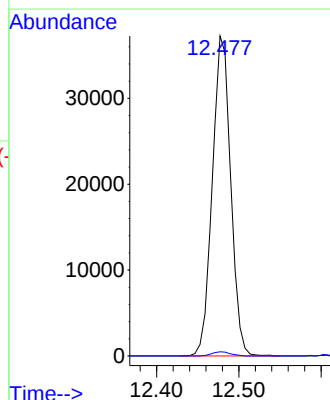
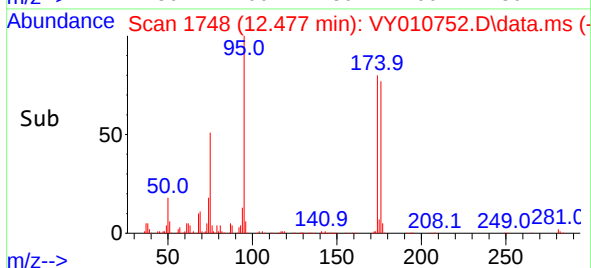
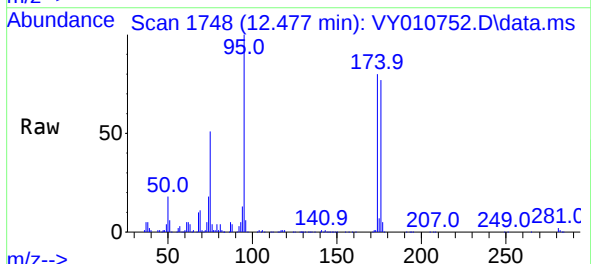


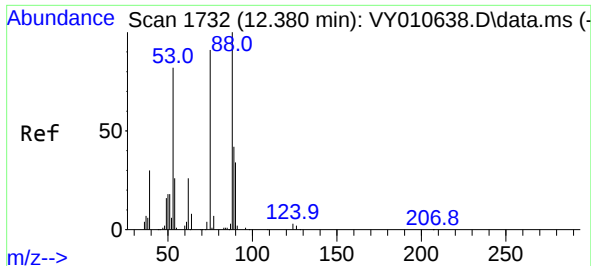
Tgt Ion:152 Resp: 104036
Ion Ratio Lower Upper
152 100
115 59.0 28.2 84.7
150 159.3 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 58.184 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010752.D
Acq: 30 Sep 2022 16:16

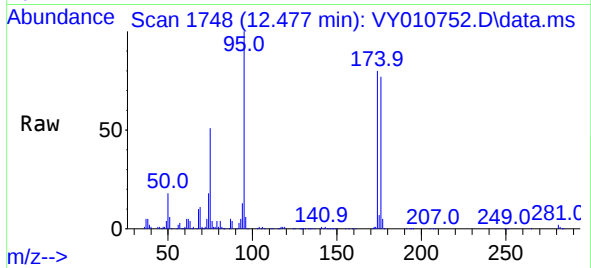
Tgt Ion: 75 Resp: 57774
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 129.368 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY010752.D
 Acq: 30 Sep 2022 16:16

Instrument :
 MSVOA_Y
 ClientSampleId :



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

