

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092922\
 Data File : VY010730.D
 Acq On : 29 Sep 2022 14:51
 Operator : KP/MD
 Sample : N4815-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SAND-FILTER-1

Quant Time: Sep 30 08:20:46 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)

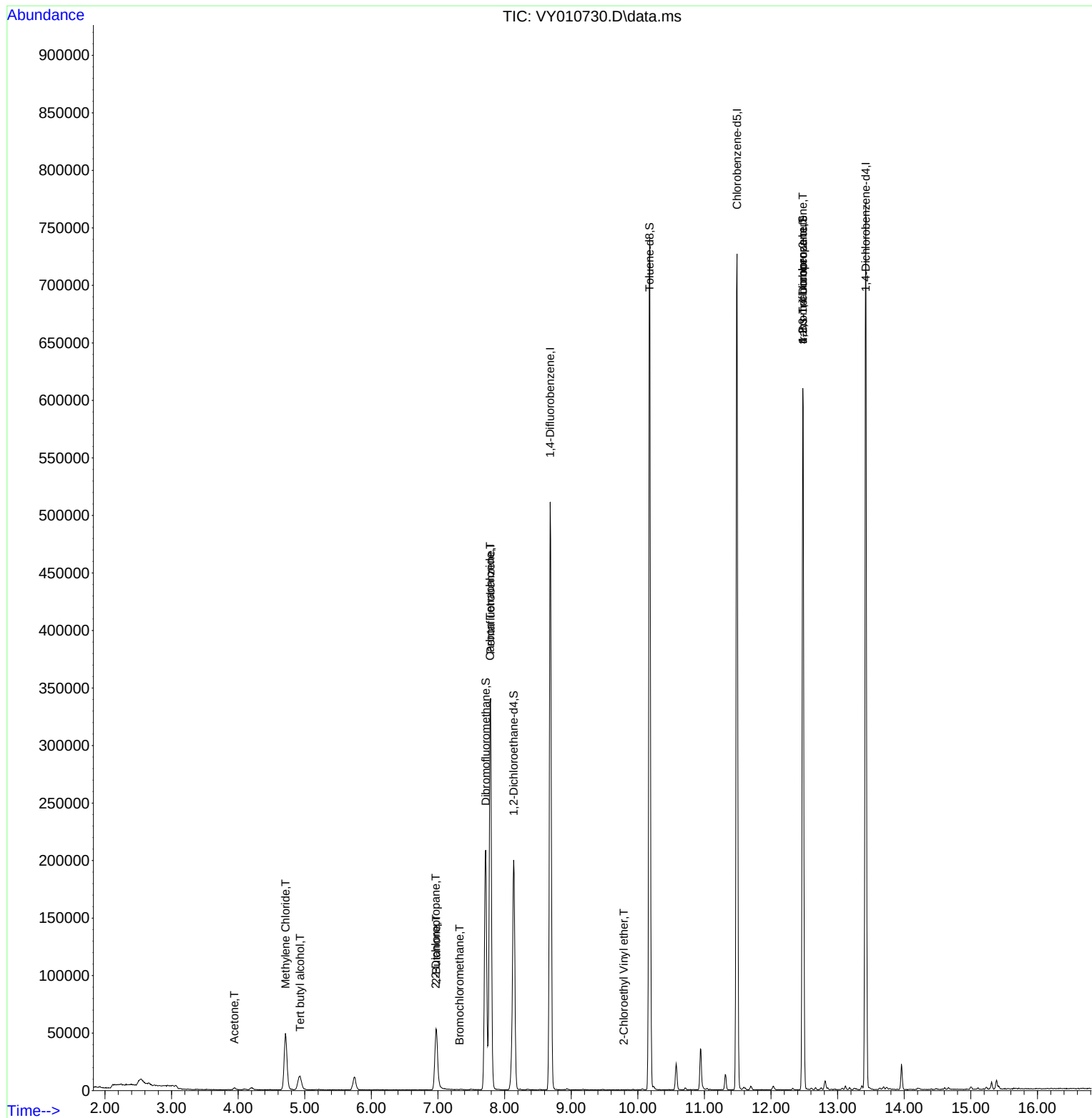
Internal Standards							
1) Pentafluorobenzene		7.789	168	271252	50.000	ug/l	0.00
34) 1,4-Difluorobenzene		8.685	114	440235	50.000	ug/l	0.00
63) Chlorobenzene-d5		11.489	117	400530	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4		13.422	152	194665	50.000	ug/l	0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4		8.136	65	150305	57.933	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.860%	
35) Dibromofluoromethane		7.716	113	149043	53.048	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.100%	
50) Toluene-d8		10.179	98	488934	47.269	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	94.540%	
62) 4-Bromofluorobenzene		12.477	95	181288	46.875	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	93.740%	
Target Compounds							Qvalue
2) Dichlorodifluoromethane		1.906	85	162	Below Cal	#	43
3) Chloromethane		2.119	50	560	Below Cal	#	84
4) Vinyl Chloride		2.241	62	24	Below Cal	#	43
5) Bromomethane		2.656	94	678	Below Cal		99
11) Tert butyl alcohol		4.930	59	11880	41.877	ug/l #	80
16) Acetone		3.942	43	2993	5.657	ug/l	97
17) Carbon Disulfide		4.192	76	330	Below Cal	#	75
18) Methyl Acetate		4.485	43	107	Below Cal	#	56
20) Methylene Chloride		4.710	84	37023	1.688	ug/l #	87
25) 2-Butanone		6.972	43	3597	4.347	ug/l #	89
26) 2,2-Dichloropropane		6.966	77	4162	1.058	ug/l #	55
28) Bromochloromethane		7.326	49	42	5.116	ug/l #	16
31) Cyclohexane		7.783	56	5929	Below Cal	#	4
38) Carbon Tetrachloride		7.783	117	26354	7.322	ug/l #	15
58) 2-Chloroethyl Vinyl ether		9.789	63	70	20.518	ug/l #	48
76) 1,2,3-Trichloropropane		12.477	75	94547	50.888	ug/l #	100
81) trans-1,4-Dichloro-2-b...		12.477	75	94547	113.146	ug/l #	7

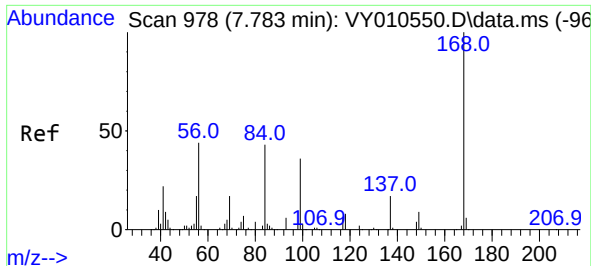
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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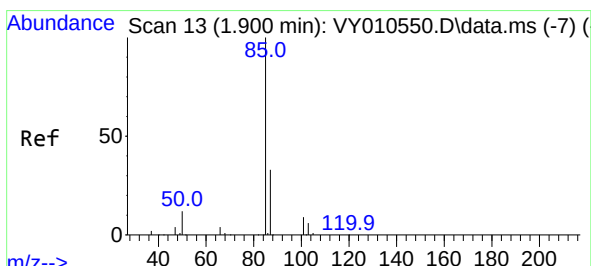
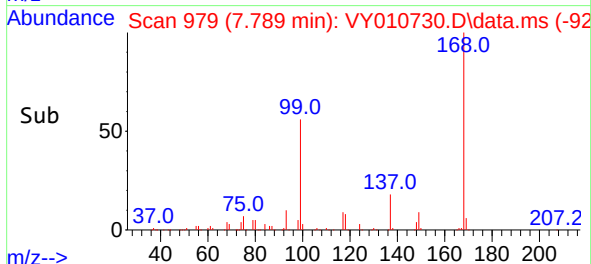
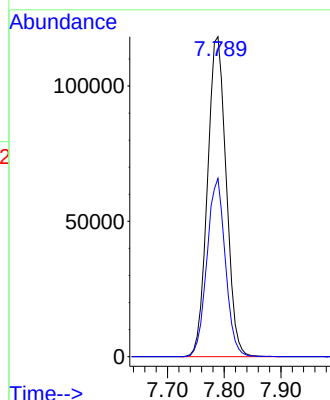
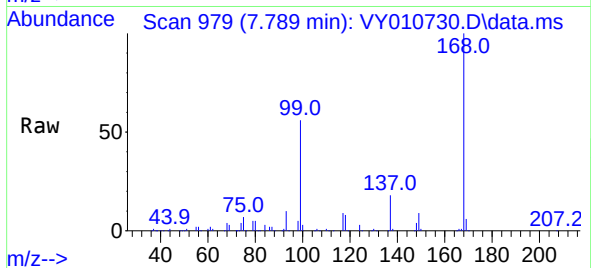




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010730.D
Acq: 29 Sep 2022 14:51

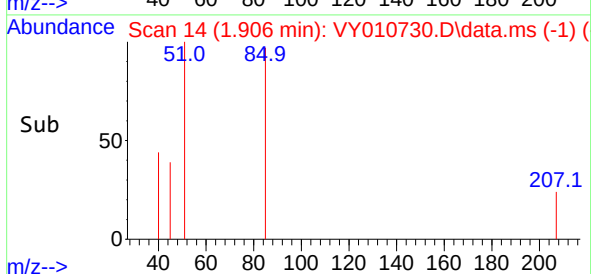
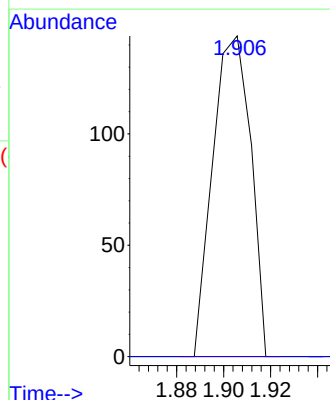
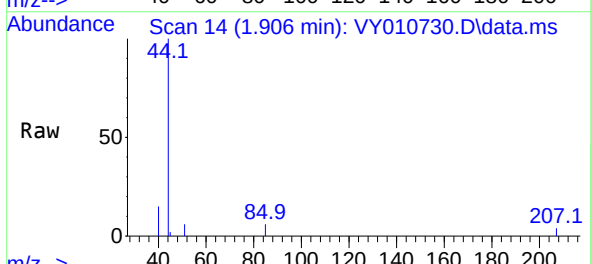
Instrument :
MSVOA_Y
ClientSampleId :
SAND-FILTER-1

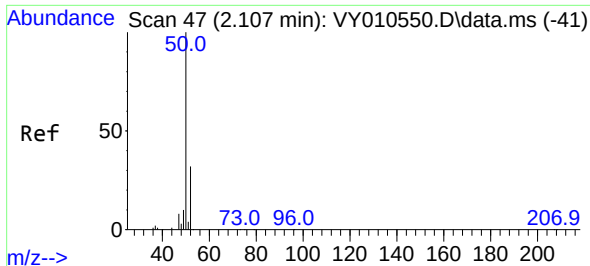
Tgt Ion:168 Resp: 271252
Ion Ratio Lower Upper
168 100
99 55.7 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY010730.D
Acq: 29 Sep 2022 14:51

Tgt Ion: 85 Resp: 162
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

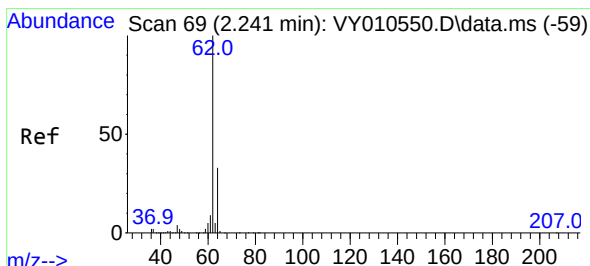
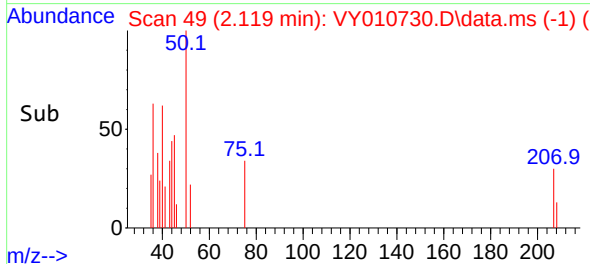
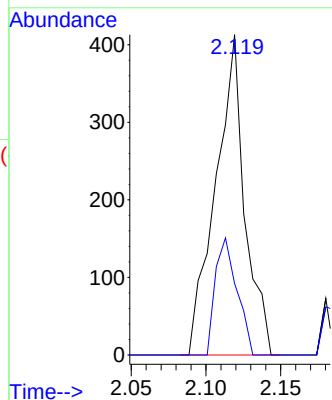
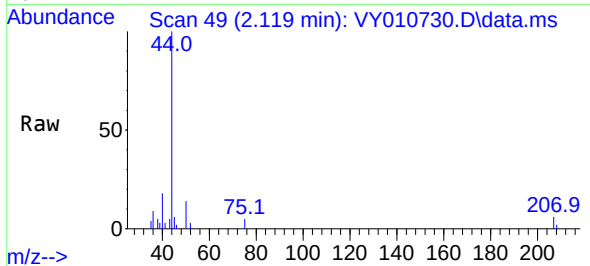




#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.012 min
Lab File: VY010730.D
Acq: 29 Sep 2022 14:51

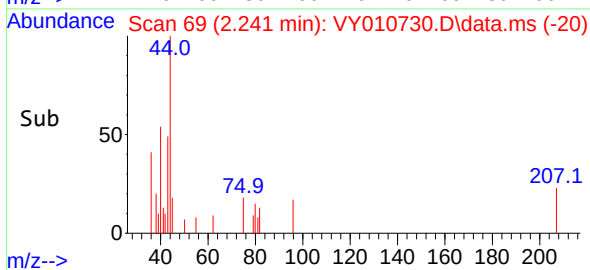
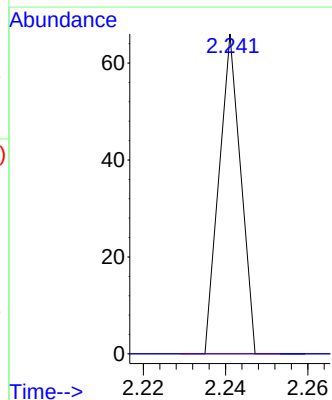
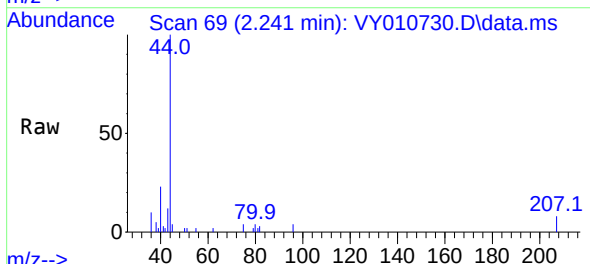
Instrument :
MSVOA_Y
ClientSampleId :
SAND-FILTER-1

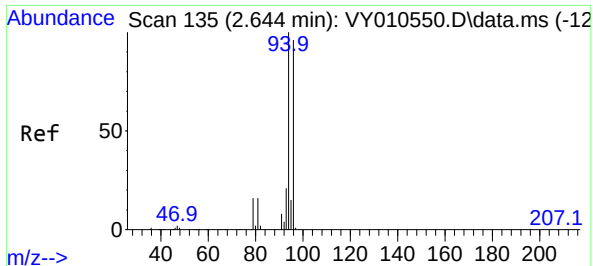
Tgt Ion: 50 Resp: 560
Ion Ratio Lower Upper
50 100
52 22.3 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.241 min Scan# 69
Delta R.T. 0.000 min
Lab File: VY010730.D
Acq: 29 Sep 2022 14:51

Tgt Ion: 62 Resp: 24
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

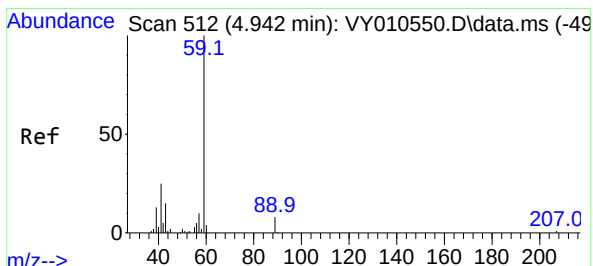
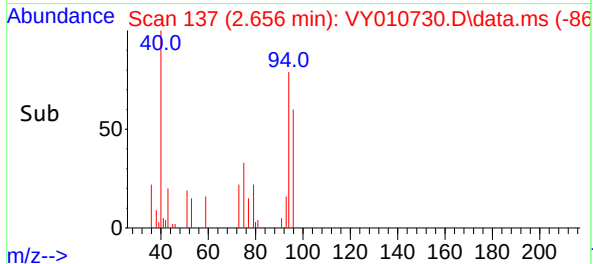
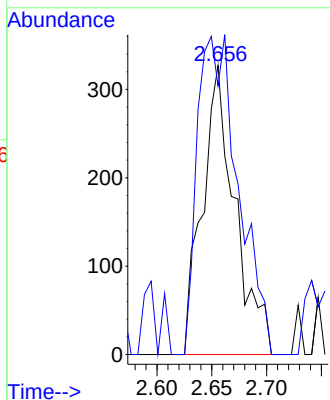
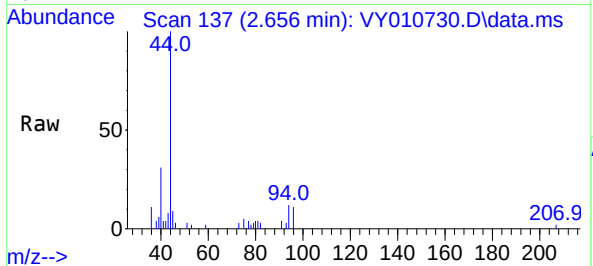




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY010730.D
Acq: 29 Sep 2022 14:51

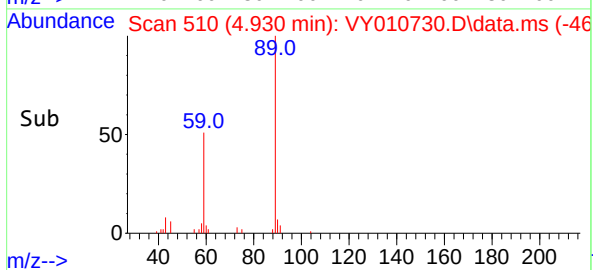
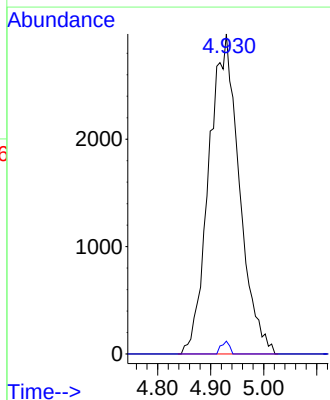
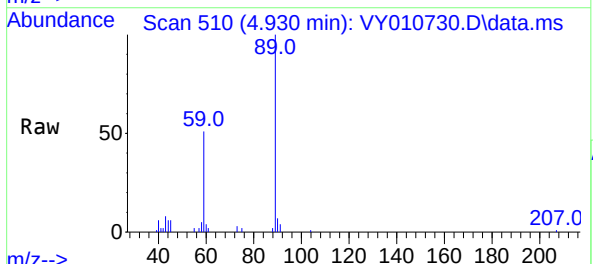
Instrument :
MSVOA_Y
ClientSampleId :
SAND-FILTER-1

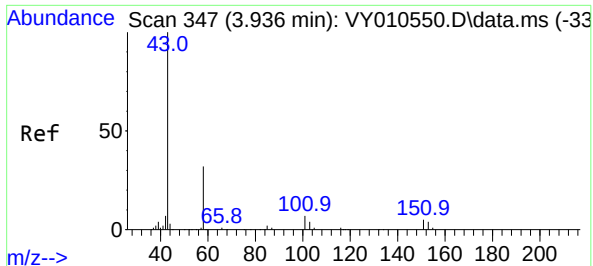
Tgt Ion: 94 Resp: 678
Ion Ratio Lower Upper
94 100
96 93.0 73.5 110.3



#11
Tert butyl alcohol
Concen: 41.877 ug/l
RT: 4.930 min Scan# 510
Delta R.T. -0.012 min
Lab File: VY010730.D
Acq: 29 Sep 2022 14:51

Tgt Ion: 59 Resp: 11880
Ion Ratio Lower Upper
59 100
57 1.1 6.4 9.6#

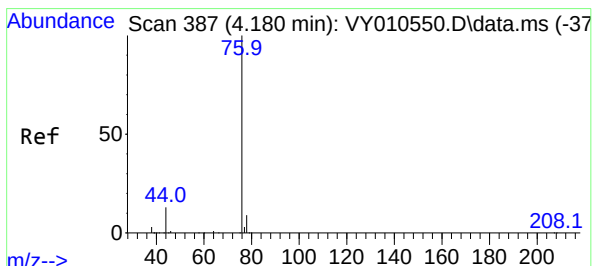
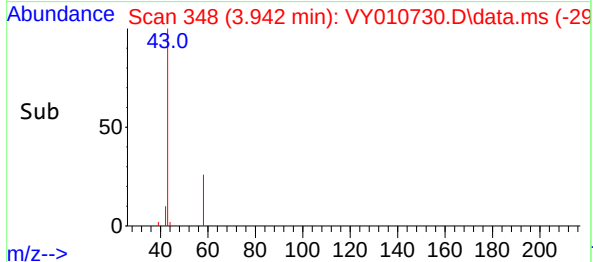
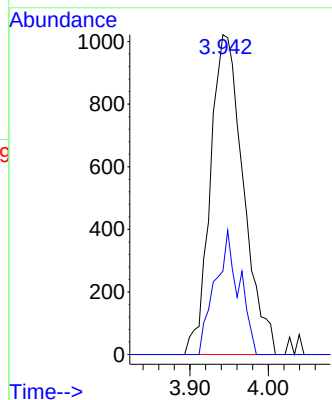
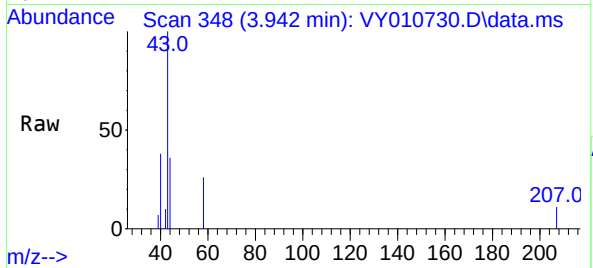




#16
Acetone
Concen: 5.657 ug/l
RT: 3.942 min Scan# 347
Delta R.T. 0.006 min
Lab File: VY010730.D
Acq: 29 Sep 2022 14:51

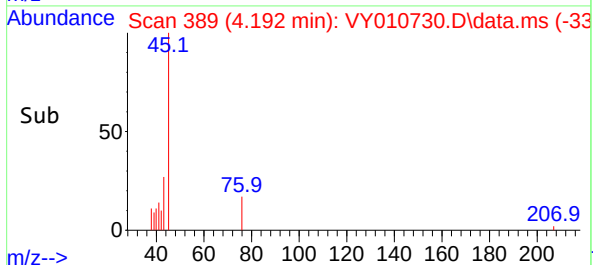
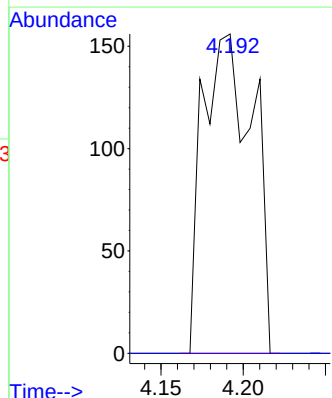
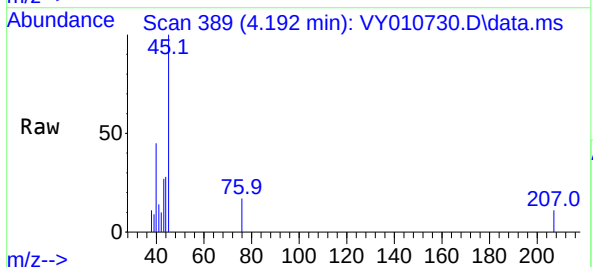
Instrument :
MSVOA_Y
ClientSampleId :
SAND-FILTER-1

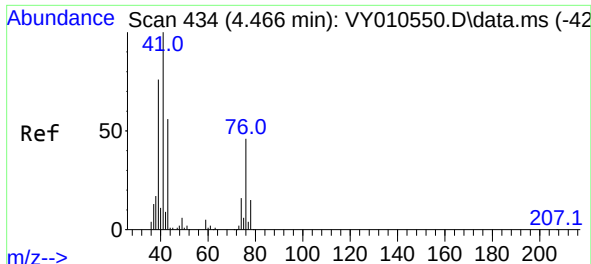
Tgt Ion: 43 Resp: 2993
Ion Ratio Lower Upper
43 100
58 26.1 22.0 33.0



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.192 min Scan# 389
Delta R.T. 0.012 min
Lab File: VY010730.D
Acq: 29 Sep 2022 14:51

Tgt Ion: 76 Resp: 330
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

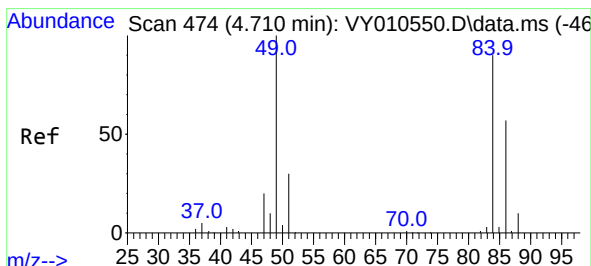
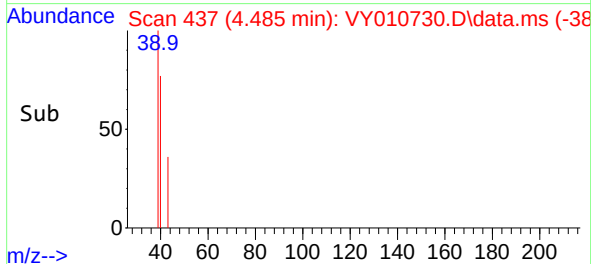
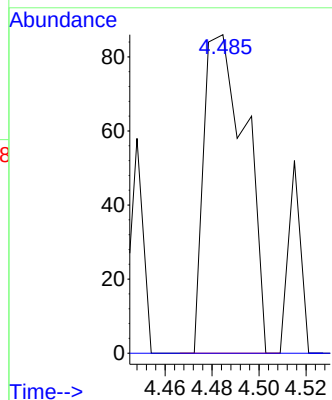
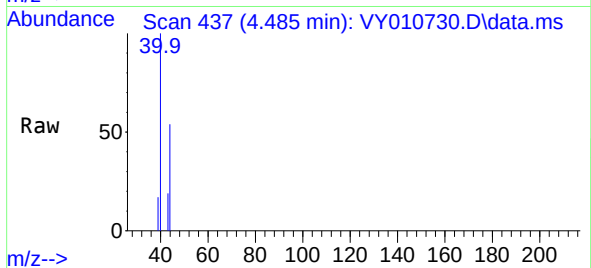




#18
Methyl Acetate
Concen: Below Cal
RT: 4.485 min Scan# 41
Delta R.T. 0.019 min
Lab File: VY010730.D
Acq: 29 Sep 2022 14:51

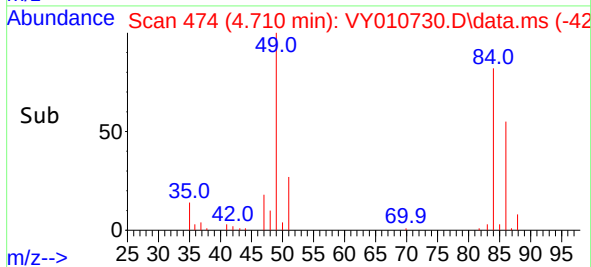
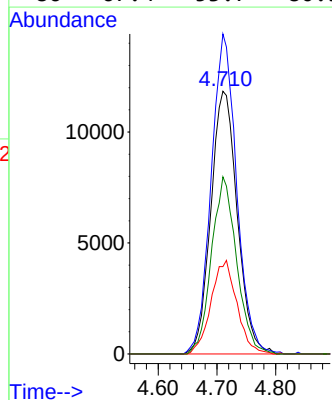
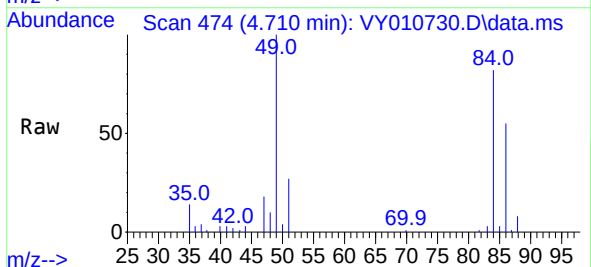
Instrument :
MSVOA_Y
ClientSampleId :
SAND-FILTER-1

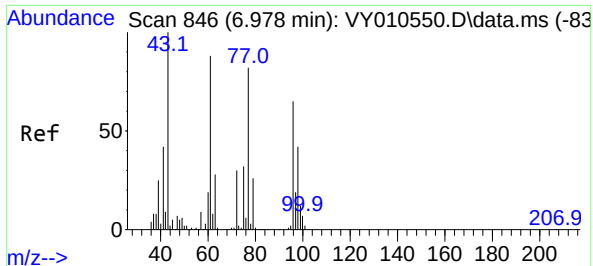
Tgt Ion: 43 Resp: 107
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: 1.688 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY010730.D
Acq: 29 Sep 2022 14:51

Tgt Ion: 84 Resp: 37023
Ion Ratio Lower Upper
84 100
49 121.8 114.4 171.6
51 33.3 35.3 52.9#
86 67.4 53.7 80.5





#25

2-Butanone

Concen: 4.347 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.006 min

Lab File: VY010730.D

Acq: 29 Sep 2022 14:51

Instrument :

MSVOA_Y

ClientSampleId :

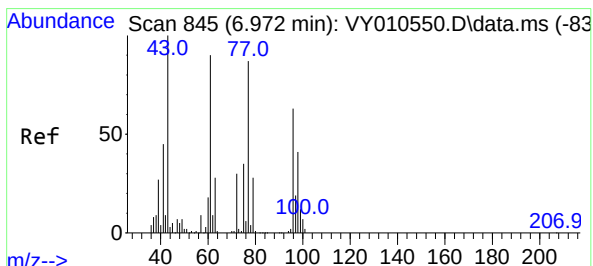
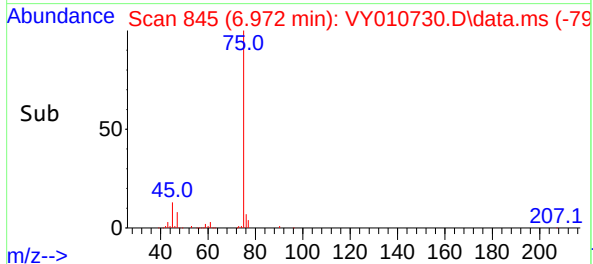
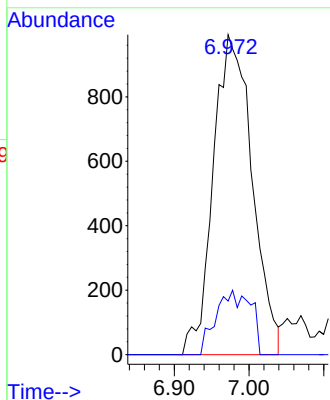
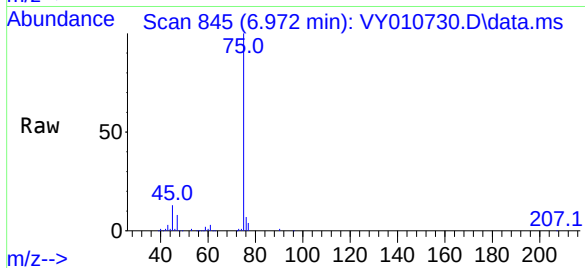
SAND-FILTER-1

Tgt Ion: 43 Resp: 3597

Ion Ratio Lower Upper

43 100

72 16.7 17.7 26.5#



#26

2,2-Dichloropropane

Concen: 1.058 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.006 min

Lab File: VY010730.D

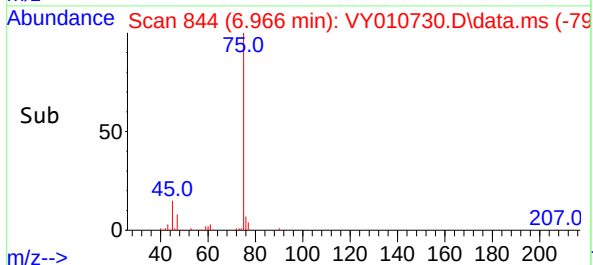
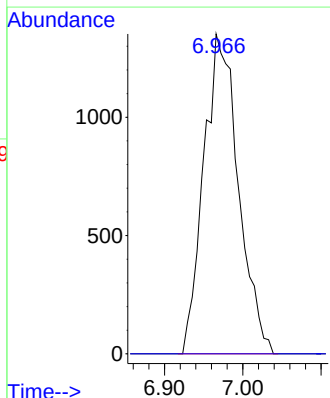
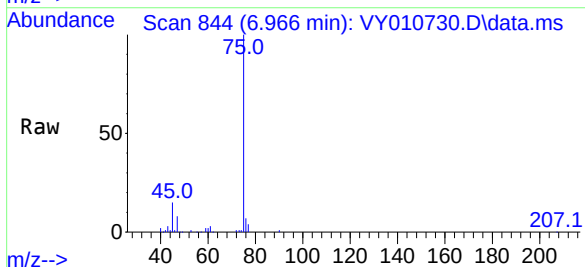
Acq: 29 Sep 2022 14:51

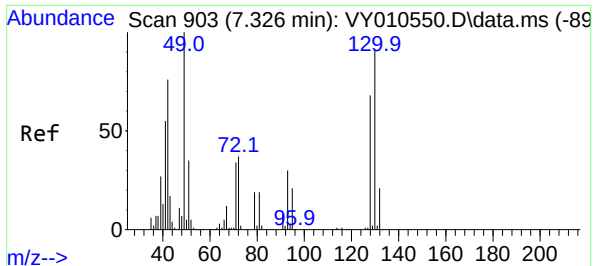
Tgt Ion: 77 Resp: 4162

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#

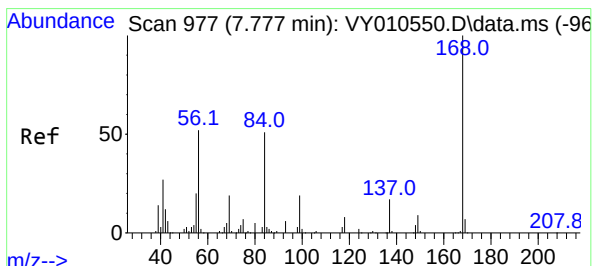
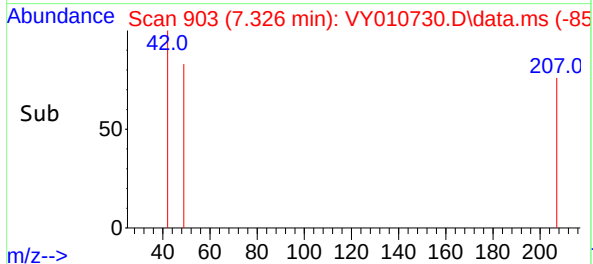
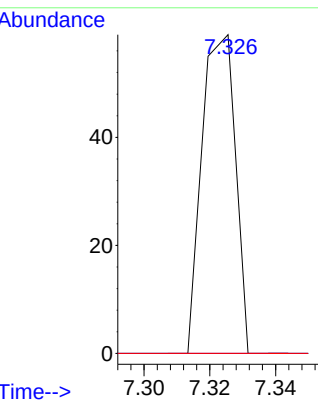
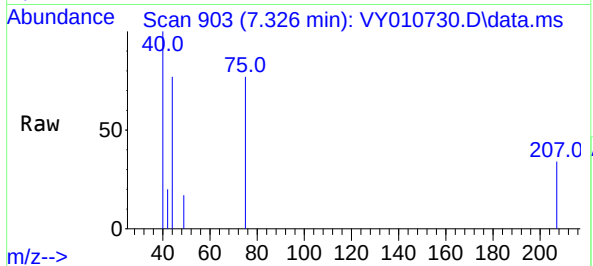




#28
Bromochloromethane
Concen: 5.116 ug/l
RT: 7.326 min Scan# 903
Delta R.T. -0.000 min
Lab File: VY010730.D
Acq: 29 Sep 2022 14:51

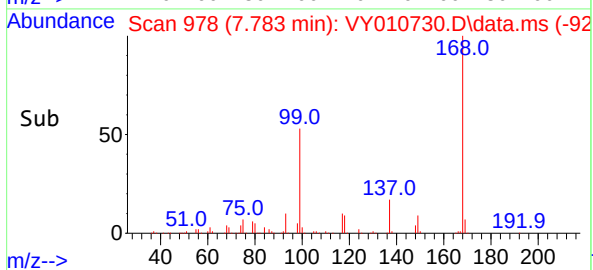
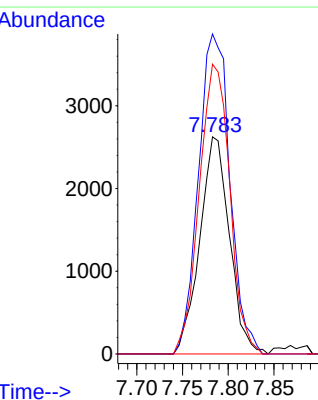
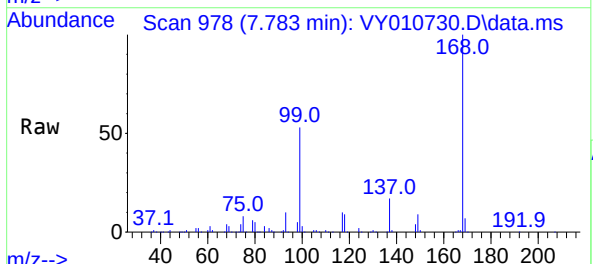
Instrument :
MSVOA_Y
ClientSampleId :
SAND-FILTER-1

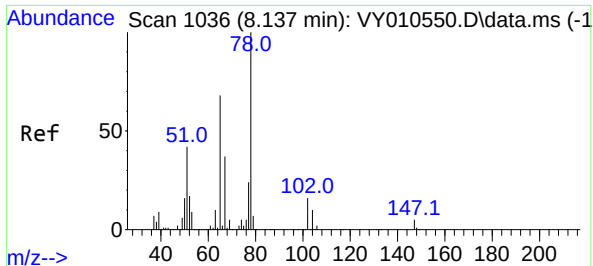
Tgt Ion: 49	Resp: 42		
Ion Ratio	Lower	Upper	
49 100			
129 0.0	0.0	2.2	
130 0.0	55.4	83.0#	



#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 978
Delta R.T. 0.006 min
Lab File: VY010730.D
Acq: 29 Sep 2022 14:51

Tgt Ion: 56	Resp: 5929		
Ion Ratio	Lower	Upper	
56 100			
69 147.4	26.7	40.1#	
84 133.4	67.2	100.8#	





#33

1,2-Dichloroethane-d4

Concen: 57.933 ug/l

RT: 8.136 min Scan# 1

Delta R.T. -0.001 min

Lab File: VY010730.D

Acq: 29 Sep 2022 14:51

Instrument :

MSVOA_Y

ClientSampleId :

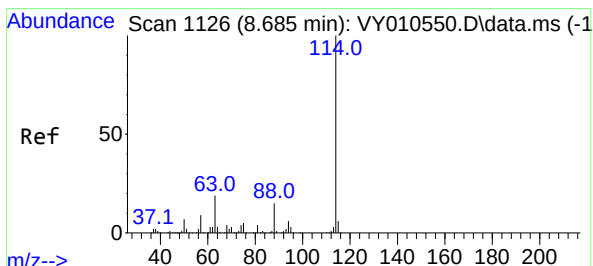
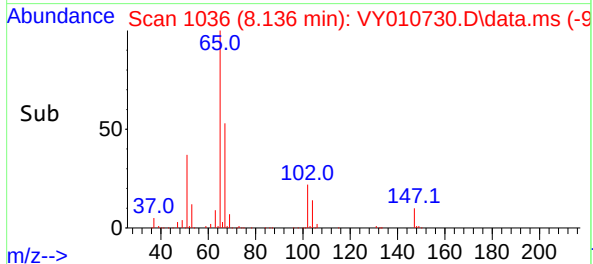
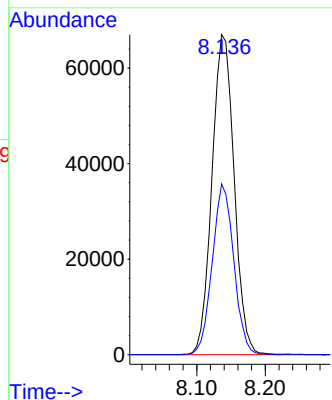
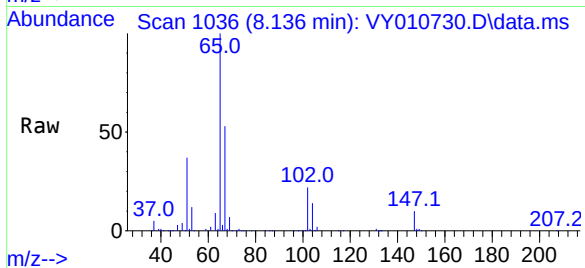
SAND-FILTER-1

Tgt Ion: 65 Resp: 150305

Ion Ratio Lower Upper

65 100

67 51.8 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: VY010730.D

Acq: 29 Sep 2022 14:51

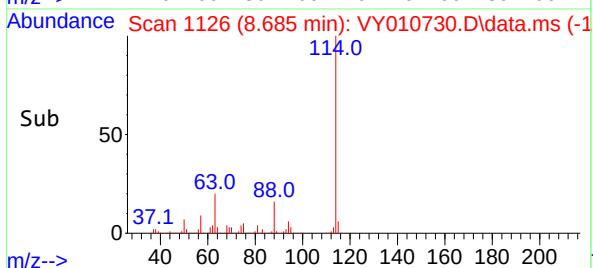
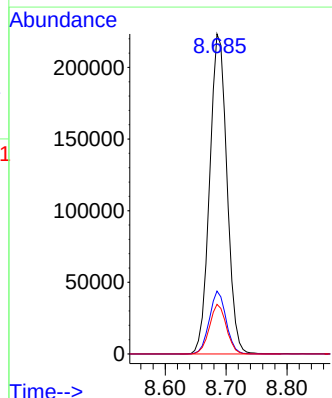
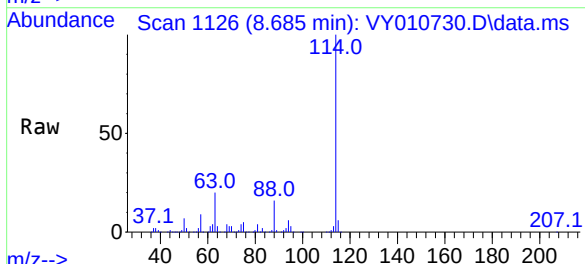
Tgt Ion: 114 Resp: 440235

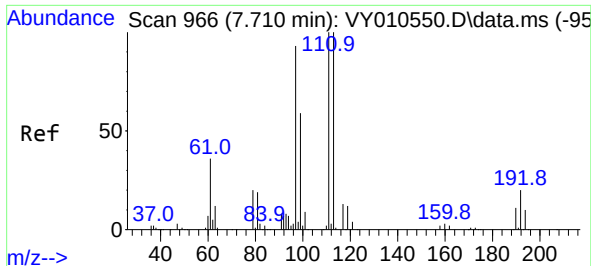
Ion Ratio Lower Upper

114 100

63 19.7 0.0 43.2

88 15.5 0.0 31.8

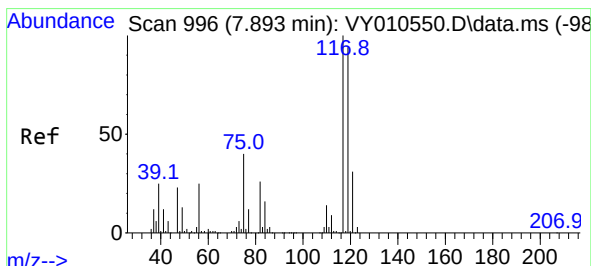
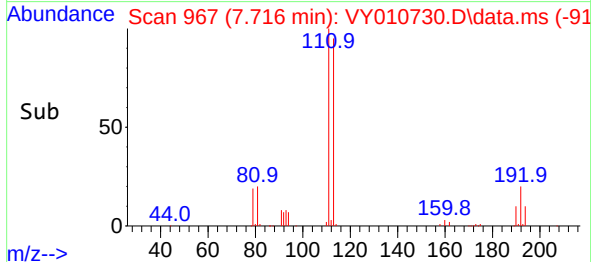
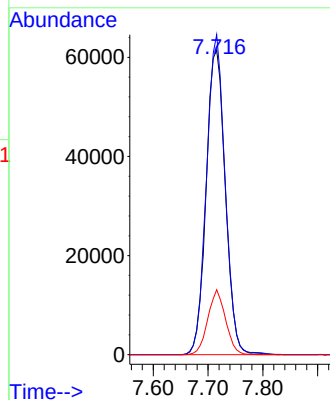
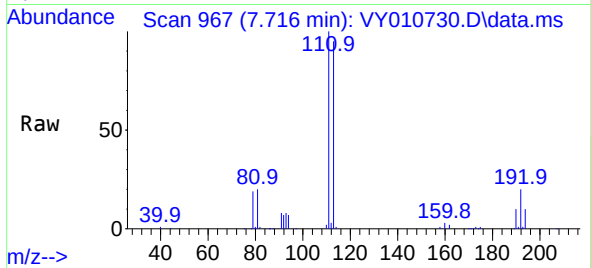




#35
Dibromofluoromethane
Concen: 53.048 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY010730.D
Acq: 29 Sep 2022 14:51

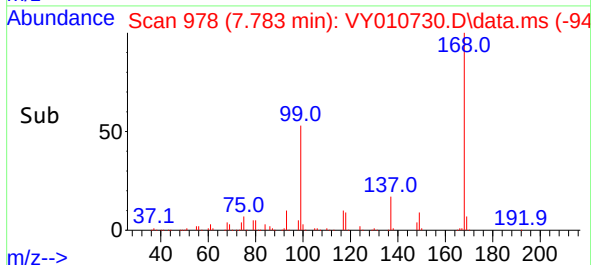
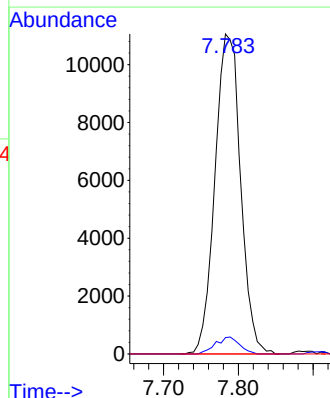
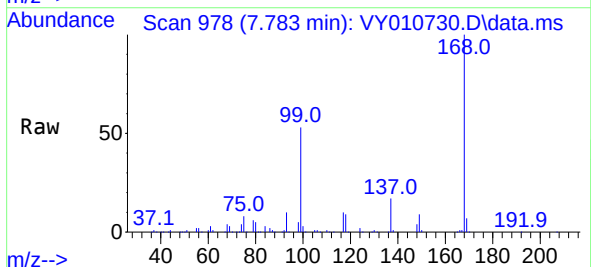
Instrument :
MSVOA_Y
ClientSampleId :
SAND-FILTER-1

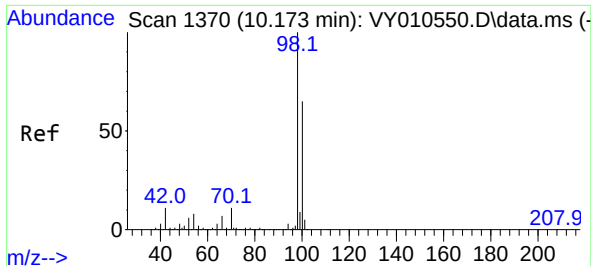
Tgt Ion:113 Resp: 149043
Ion Ratio Lower Upper
113 100
111 102.3 82.6 124.0
192 19.8 17.6 26.4



#38
Carbon Tetrachloride
Concen: 7.322 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.110 min
Lab File: VY010730.D
Acq: 29 Sep 2022 14:51

Tgt Ion:117 Resp: 26354
Ion Ratio Lower Upper
117 100
119 5.1 77.9 116.9#
121 0.0 24.8 37.2#

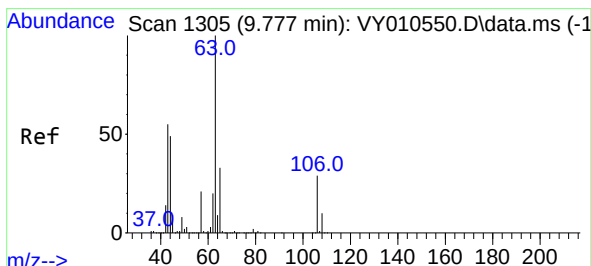
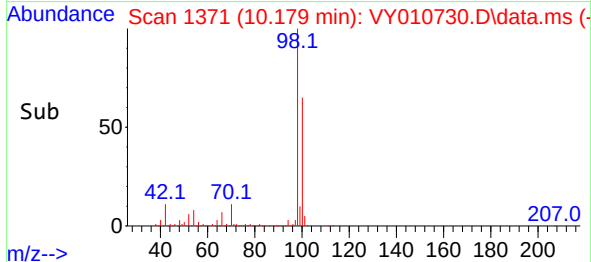
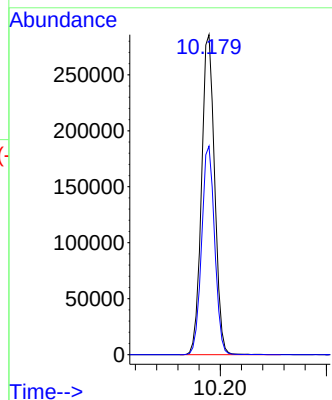
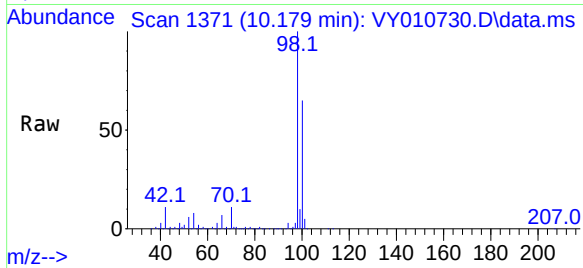




#50
Toluene-d8
Concen: 47.269 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010730.D
Acq: 29 Sep 2022 14:51

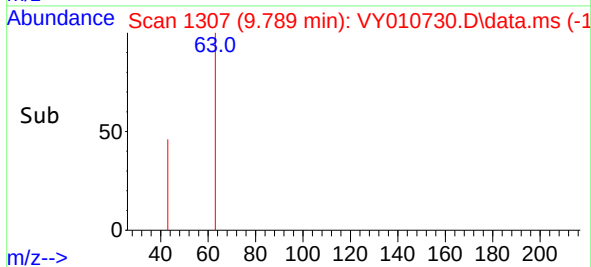
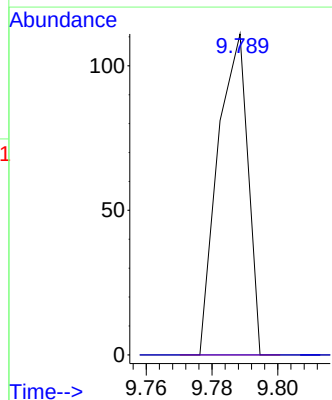
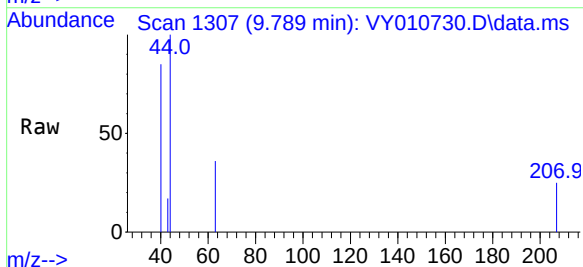
Instrument :
MSVOA_Y
ClientSampleId :
SAND-FILTER-1

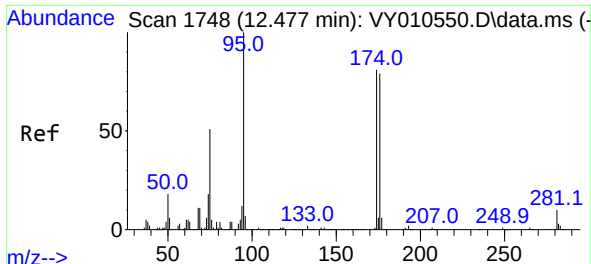
Tgt Ion: 98 Resp: 488934
Ion Ratio Lower Upper
98 100
100 65.0 50.2 75.2



#58
2-Chloroethyl Vinyl ether
Concen: 20.518 ug/l
RT: 9.789 min Scan# 1307
Delta R.T. 0.012 min
Lab File: VY010730.D
Acq: 29 Sep 2022 14:51

Tgt Ion: 63 Resp: 70
Ion Ratio Lower Upper
63 100
106 0.0 21.5 32.3#

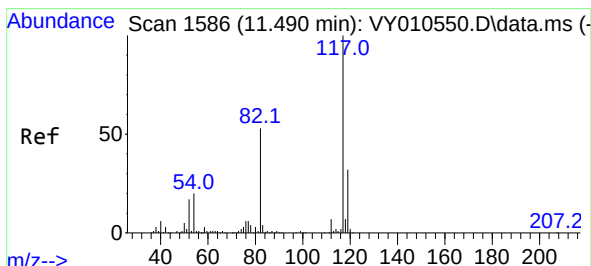
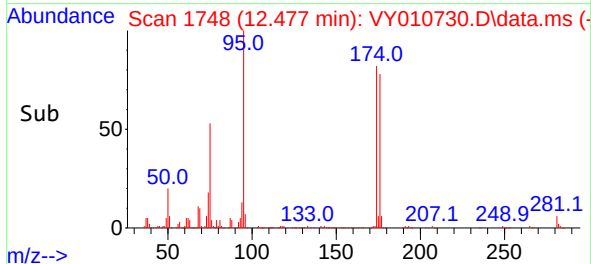
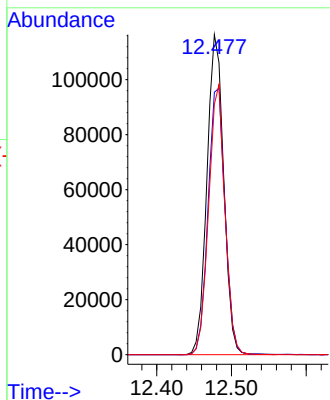
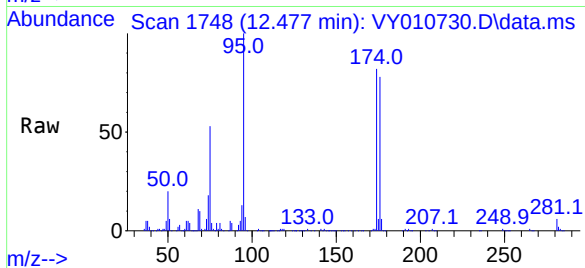




#62
4-Bromofluorobenzene
Concen: 46.875 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY010730.D
Acq: 29 Sep 2022 14:51

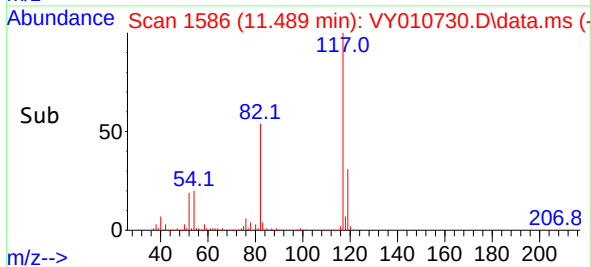
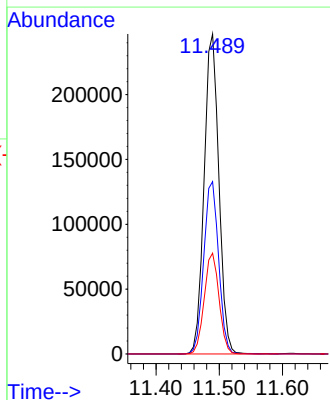
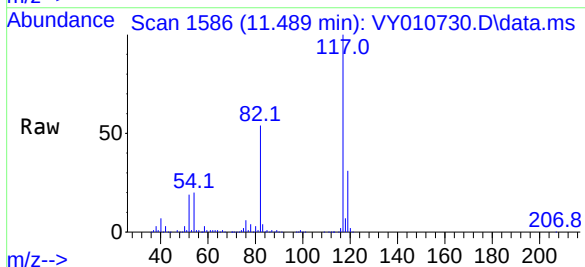
Instrument :
MSVOA_Y
ClientSampleId :
SAND-FILTER-1

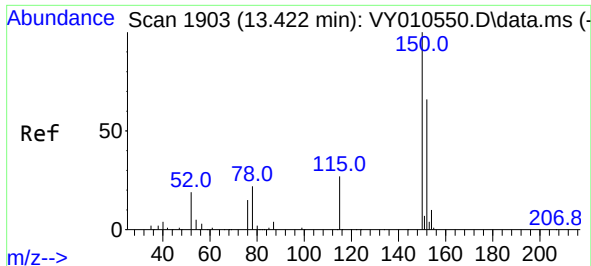
Tgt Ion: 95 Resp: 181288
Ion Ratio Lower Upper
95 100
174 84.3 0.0 177.0
176 81.8 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY010730.D
Acq: 29 Sep 2022 14:51

Tgt Ion: 117 Resp: 400530
Ion Ratio Lower Upper
117 100
82 53.9 43.0 64.4
119 31.5 25.4 38.0

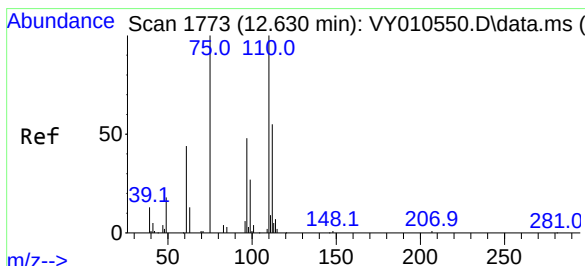
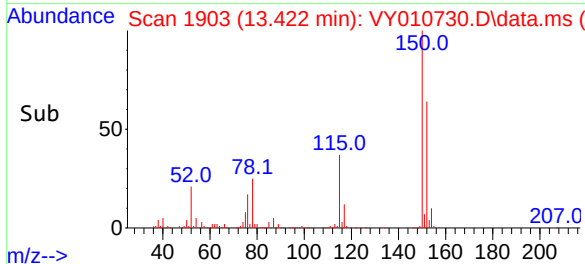
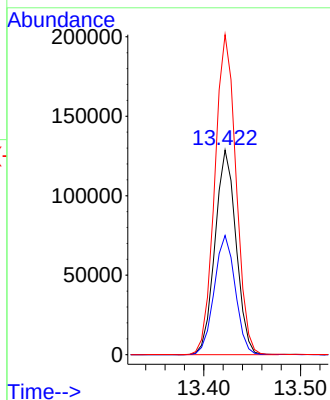
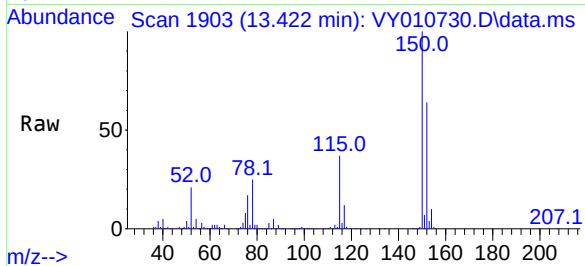




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010730.D
Acq: 29 Sep 2022 14:51

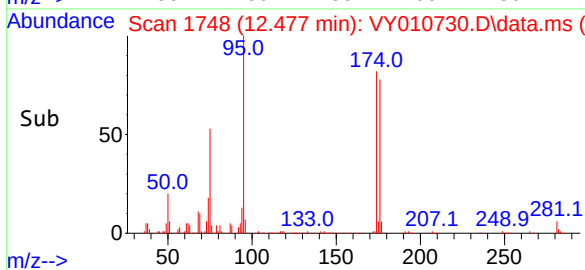
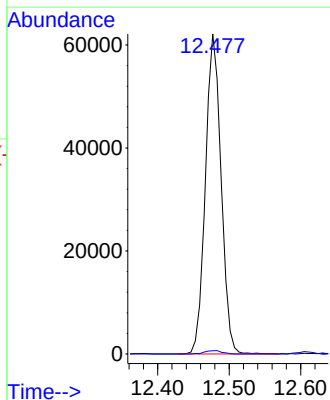
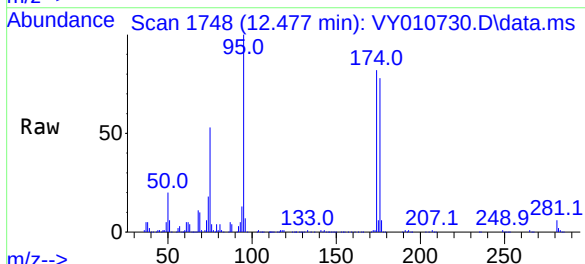
Instrument :
MSVOA_Y
ClientSampleId :
SAND-FILTER-1

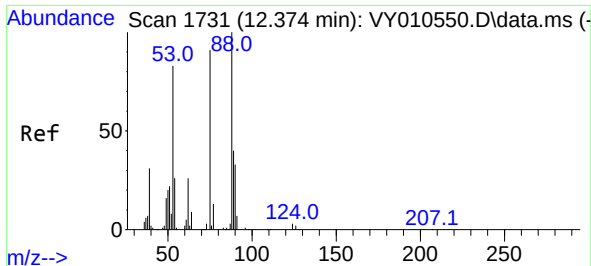
Tgt Ion:152 Resp: 194665
Ion Ratio Lower Upper
152 100
115 58.3 28.2 84.7
150 157.9 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 50.888 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010730.D
Acq: 29 Sep 2022 14:51

Tgt Ion: 75 Resp: 94547
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 113.146 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY010730.D
 Acq: 29 Sep 2022 14:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 SAND-FILTER-1

Tgt Ion: 75 Resp: 94547
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.1 37.0 55.4#

