

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092922\
 Data File : VY010731.D
 Acq On : 29 Sep 2022 15:14
 Operator : KP/MD
 Sample : N4815-02
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SAND-FILTER-2

Quant Time: Sep 30 08:21:11 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)

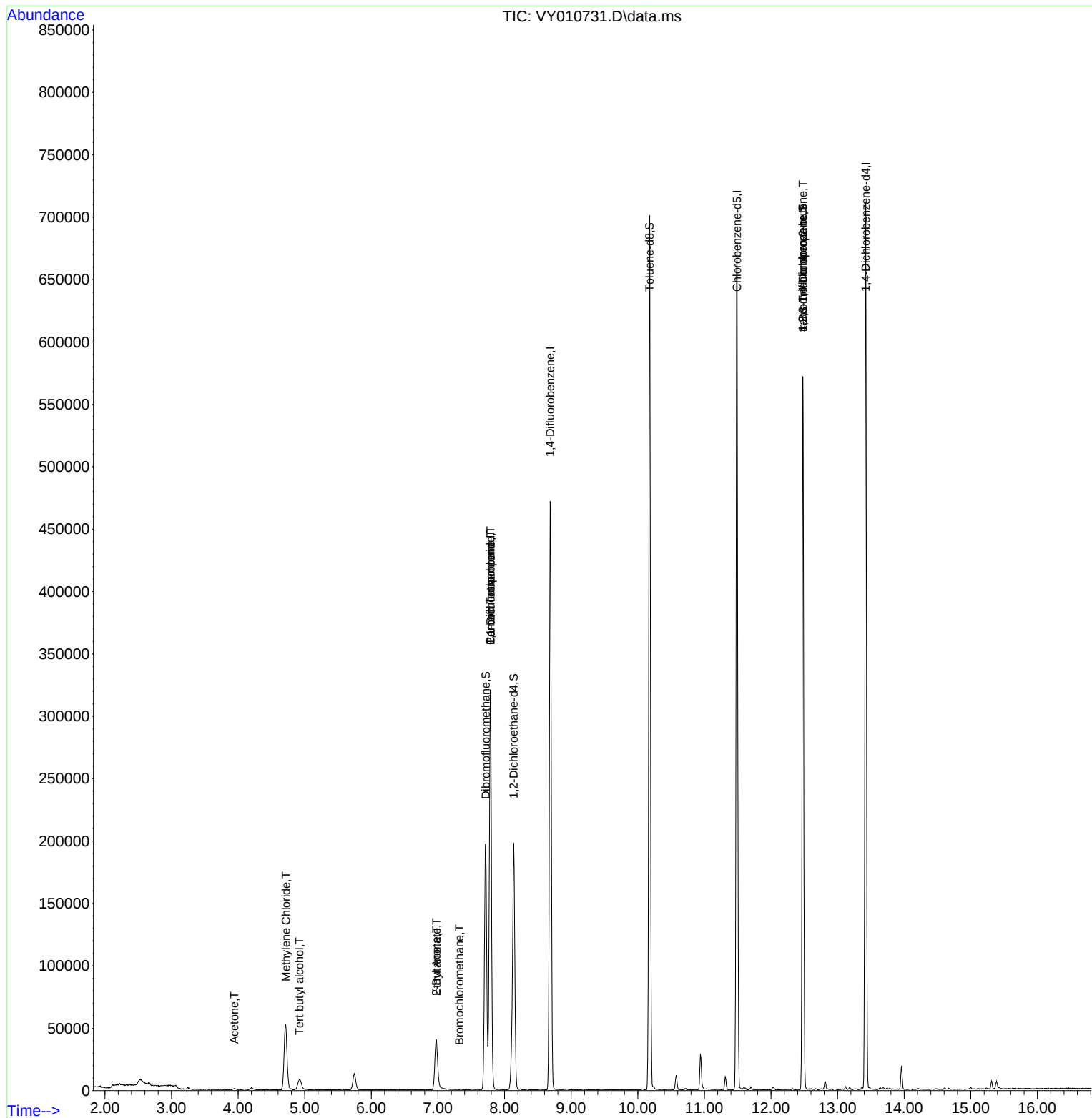
Internal Standards						
1) Pentafluorobenzene	7.789	168	247805	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	409377	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	373834	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	180376	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	138274	58.339	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 116.680%			
35) Dibromofluoromethane	7.716	113	138119	52.866	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.740%			
50) Toluene-d8	10.179	98	452110	47.021	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 94.040%			
62) 4-Bromofluorobenzene	12.477	95	166286	46.198	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 92.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	347	Below Cal		91
3) Chloromethane	2.113	50	606	Below Cal	#	78
4) Vinyl Chloride	2.247	62	81	Below Cal	#	43
5) Bromomethane	2.650	94	715	Below Cal	#	57
11) Tert butyl alcohol	4.918	59	8503	30.279	ug/l #	79
16) Acetone	3.942	43	1676	3.468	ug/l	95
17) Carbon Disulfide	4.186	76	99	Below Cal	#	75
18) Methyl Acetate	4.466	43	190	Below Cal	#	56
20) Methylene Chloride	4.716	84	40897	5.291	ug/l #	84
25) 2-Butanone	6.978	43	2732	3.614	ug/l #	89
28) Bromochloromethane	7.320	49	22	5.108	ug/l #	16
31) Cyclohexane	7.783	56	5210	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	19378	6.657	ug/l #	50
37) Ethyl Acetate	6.978	43	2732	1.625	ug/l #	1
38) Carbon Tetrachloride	7.789	117	24472	7.311	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	86668	50.343	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	86668	111.933	ug/l #	7

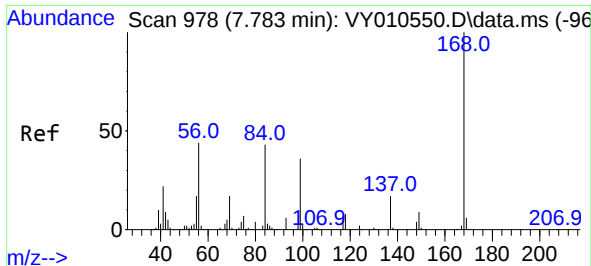
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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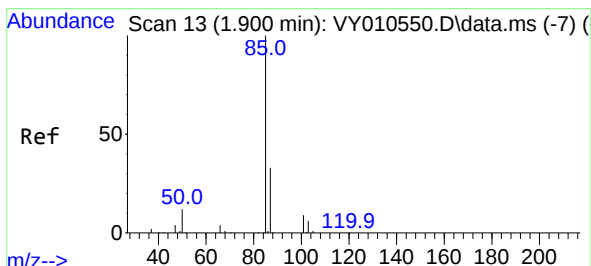
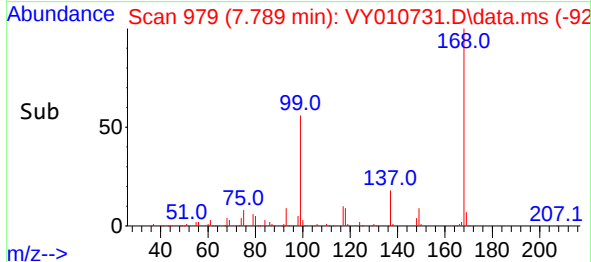
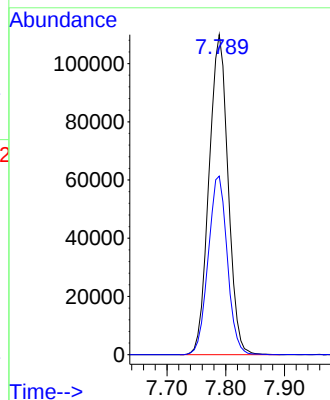
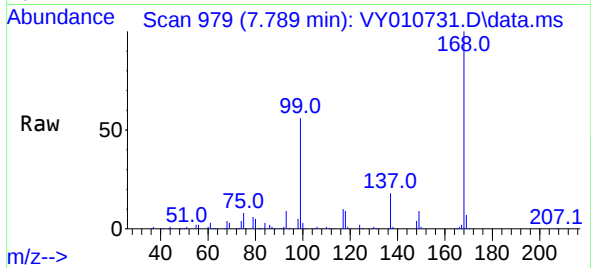




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010731.D
Acq: 29 Sep 2022 15:14

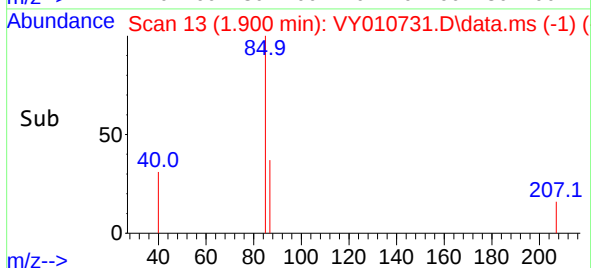
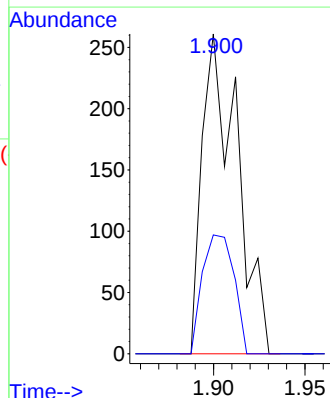
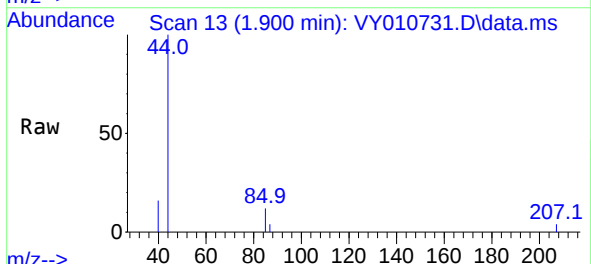
Instrument :
MSVOA_Y
ClientSampleId :
SAND-FILTER-2

Tgt Ion:168 Resp: 247805
Ion Ratio Lower Upper
168 100
99 55.8 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010731.D
Acq: 29 Sep 2022 15:14

Tgt Ion: 85 Resp: 347
Ion Ratio Lower Upper
85 100
87 37.2 16.1 48.2

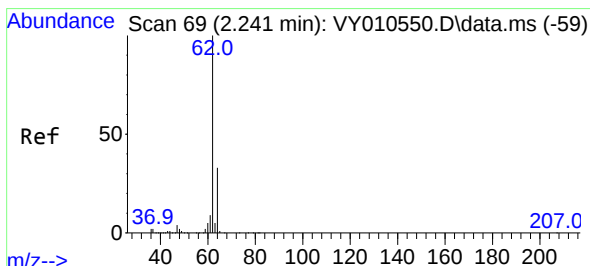
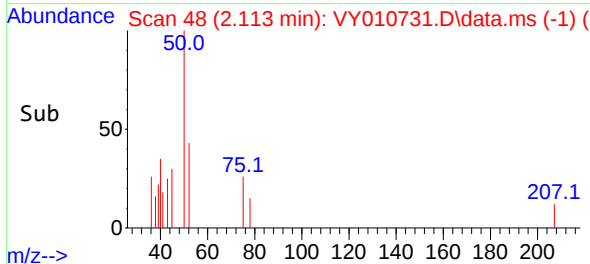
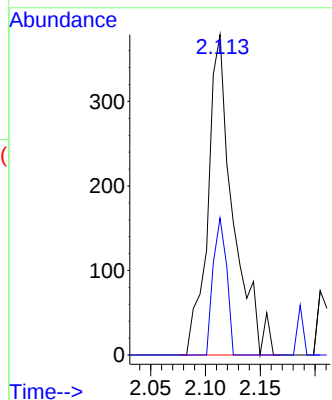
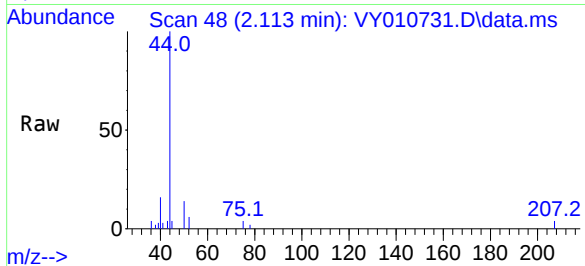




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY010731.D
Acq: 29 Sep 2022 15:14

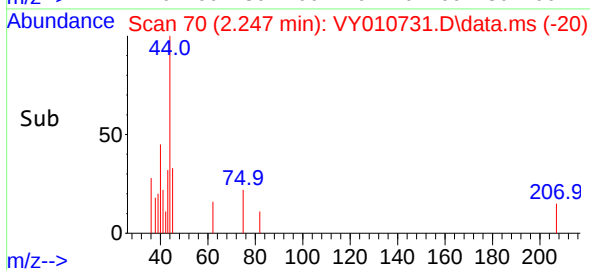
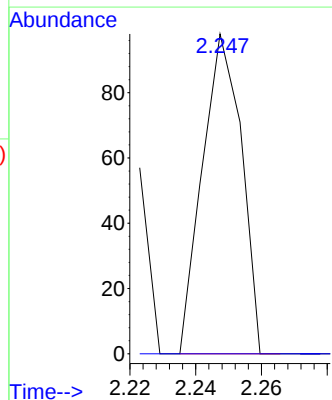
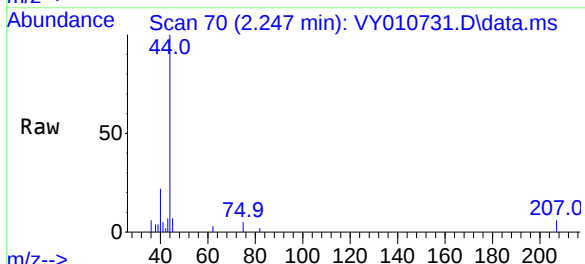
Instrument :
MSVOA_Y
ClientSampleId :
SAND-FILTER-2

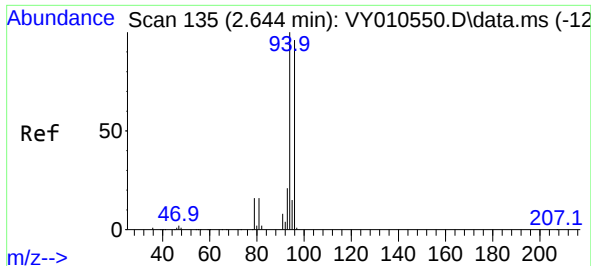
Tgt Ion: 50 Resp: 606
Ion Ratio Lower Upper
50 100
52 42.7 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.247 min Scan# 70
Delta R.T. 0.006 min
Lab File: VY010731.D
Acq: 29 Sep 2022 15:14

Tgt Ion: 62 Resp: 81
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

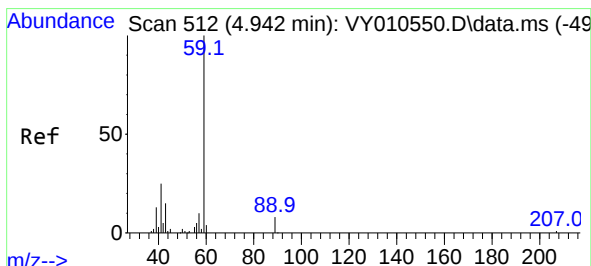
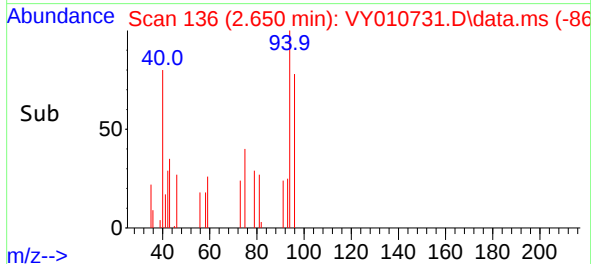
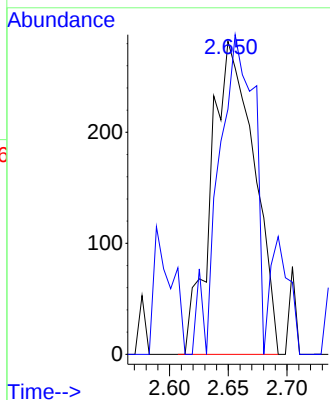
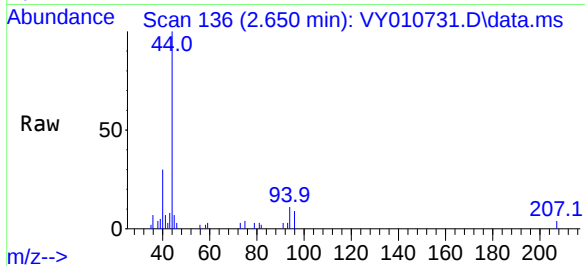




#5
Bromomethane
Concen: Below Cal
RT: 2.650 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010731.D
Acq: 29 Sep 2022 15:14

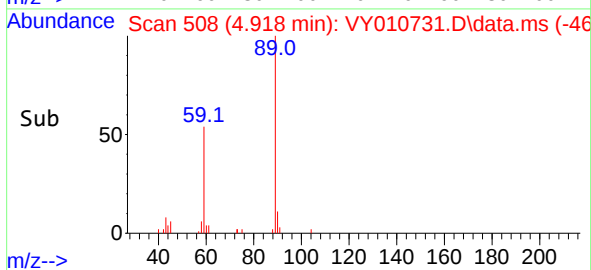
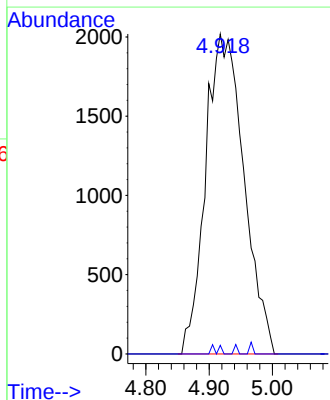
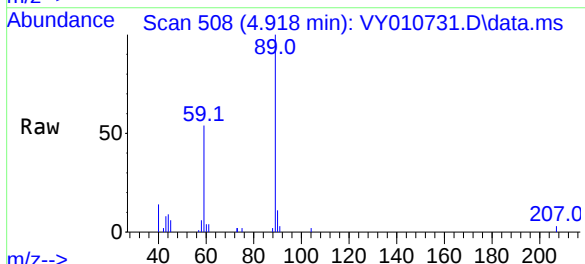
Instrument :
MSVOA_Y
ClientSampleId :
SAND-FILTER-2

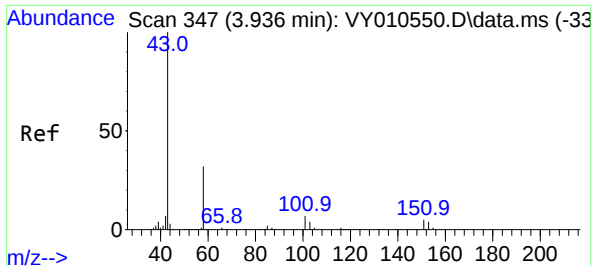
Tgt Ion: 94 Resp: 715
Ion Ratio Lower Upper
94 100
96 50.7 73.5 110.3#



#11
Tert butyl alcohol
Concen: 30.279 ug/l
RT: 4.918 min Scan# 508
Delta R.T. -0.024 min
Lab File: VY010731.D
Acq: 29 Sep 2022 15:14

Tgt Ion: 59 Resp: 8503
Ion Ratio Lower Upper
59 100
57 0.5 6.4 9.6#

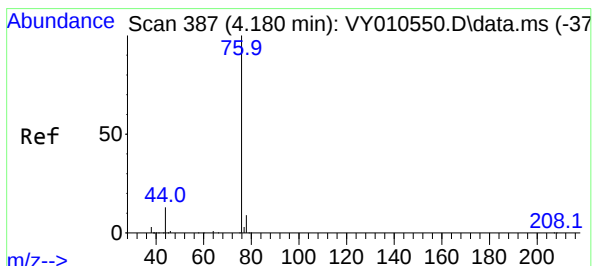
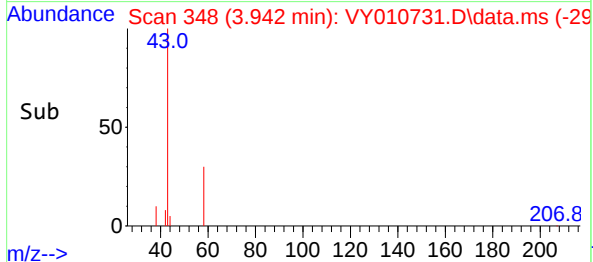
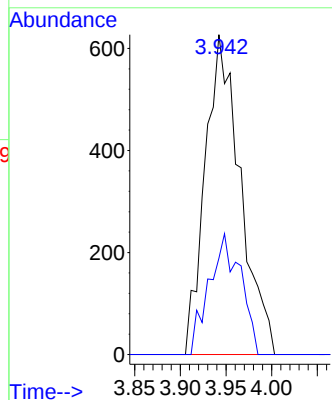
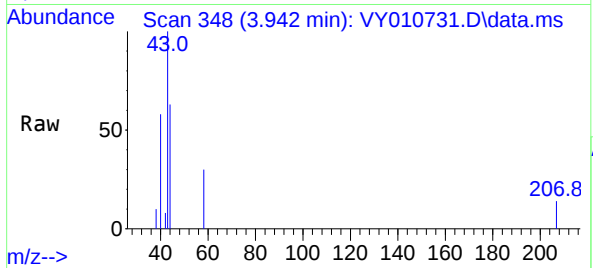




#16
Acetone
Concen: 3.468 ug/l
RT: 3.942 min Scan# 347
Delta R.T. 0.006 min
Lab File: VY010731.D
Acq: 29 Sep 2022 15:14

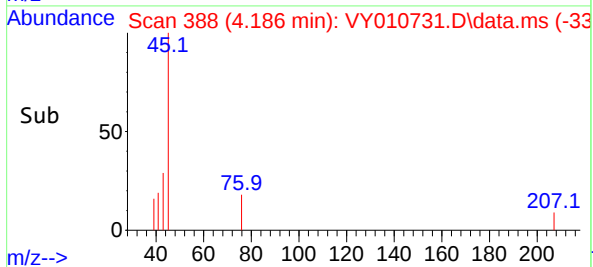
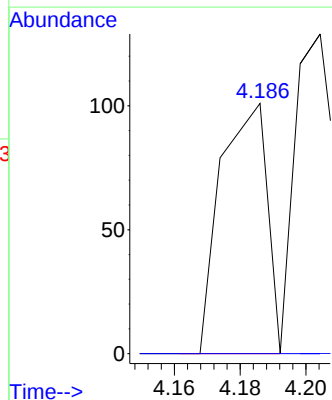
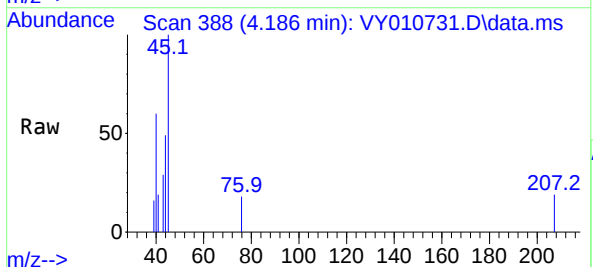
Instrument :
MSVOA_Y
ClientSampleId :
SAND-FILTER-2

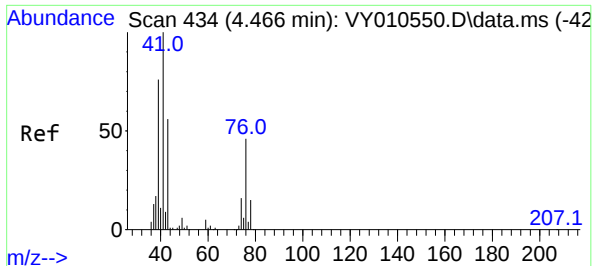
Tgt Ion: 43 Resp: 1676
Ion Ratio Lower Upper
43 100
58 30.1 22.0 33.0



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.186 min Scan# 388
Delta R.T. 0.006 min
Lab File: VY010731.D
Acq: 29 Sep 2022 15:14

Tgt Ion: 76 Resp: 99
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

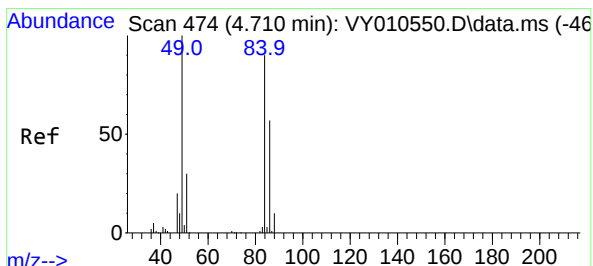
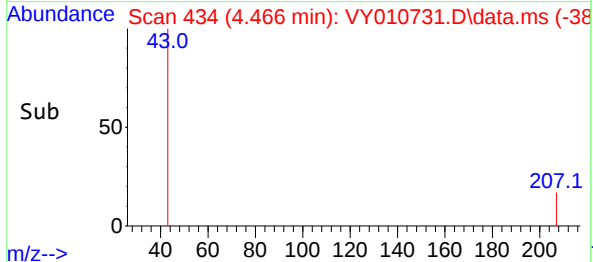
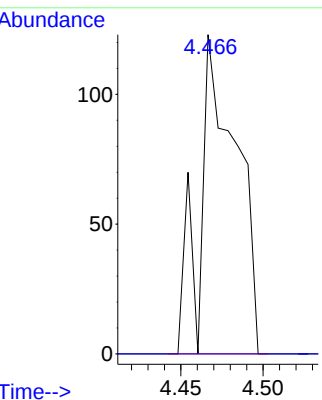
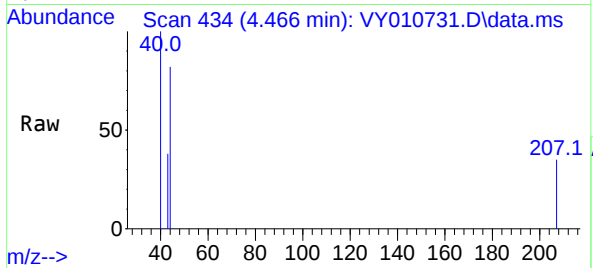




#18
Methyl Acetate
Concen: Below Cal
RT: 4.466 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY010731.D
Acq: 29 Sep 2022 15:14

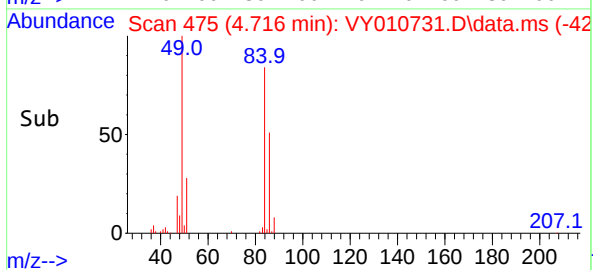
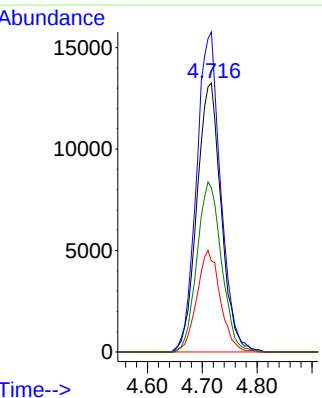
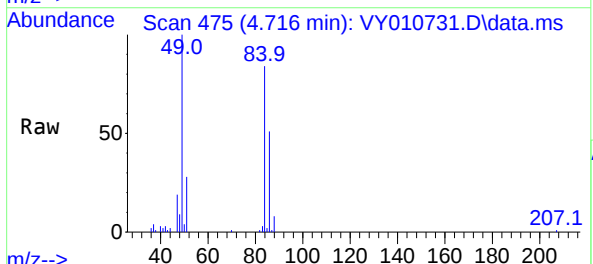
Instrument :
MSVOA_Y
ClientSampleId :
SAND-FILTER-2

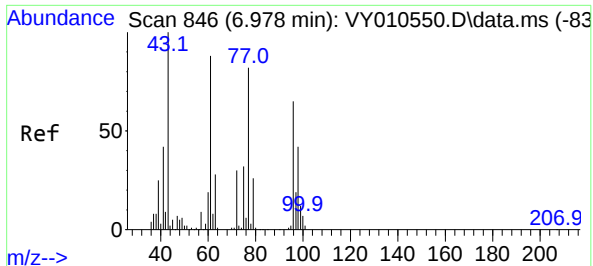
Tgt Ion: 43 Resp: 190
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: 5.291 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY010731.D
Acq: 29 Sep 2022 15:14

Tgt Ion: 84 Resp: 40897
Ion Ratio Lower Upper
84 100
49 119.0 114.4 171.6
51 33.9 35.3 52.9#
86 61.1 53.7 80.5





#25

2-Butanone

Concen: 3.614 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY010731.D

Acq: 29 Sep 2022 15:14

Instrument :

MSVOA_Y

ClientSampleId :

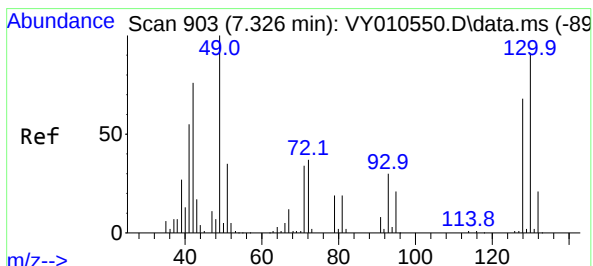
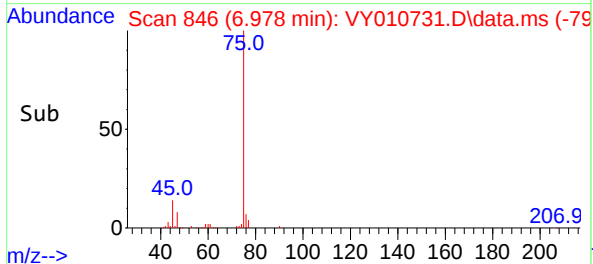
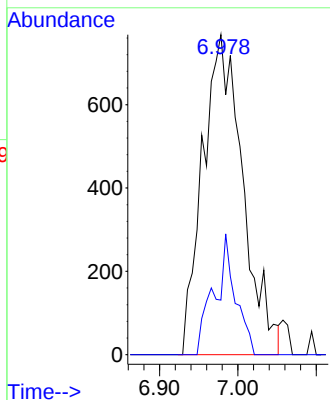
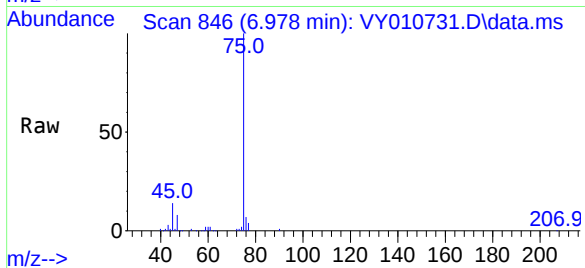
SAND-FILTER-2

Tgt Ion: 43 Resp: 2732

Ion Ratio Lower Upper

43 100

72 17.1 17.7 26.5#



#28

Bromochloromethane

Concen: 5.108 ug/l

RT: 7.320 min Scan# 902

Delta R.T. -0.006 min

Lab File: VY010731.D

Acq: 29 Sep 2022 15:14

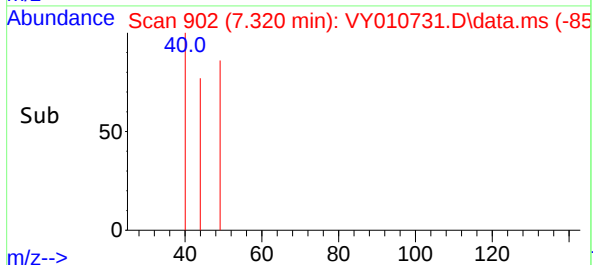
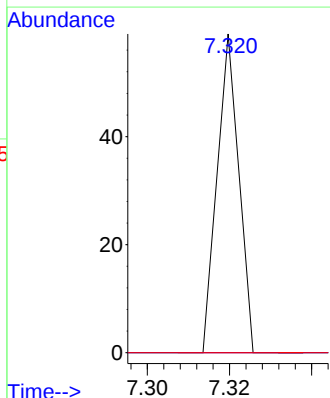
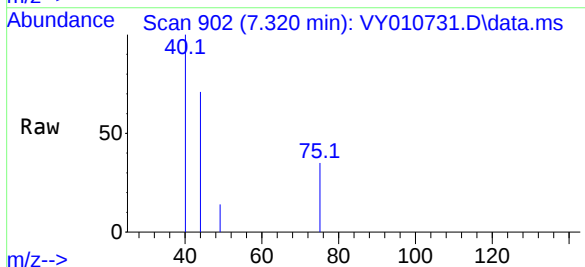
Tgt Ion: 49 Resp: 22

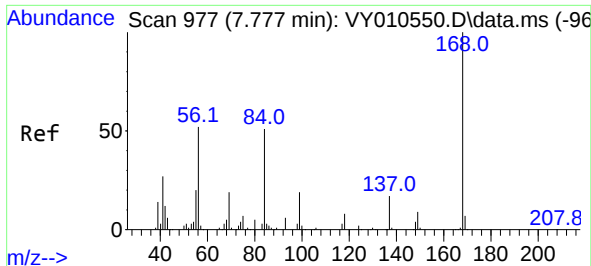
Ion Ratio Lower Upper

49 100

129 0.0 0.0 2.2

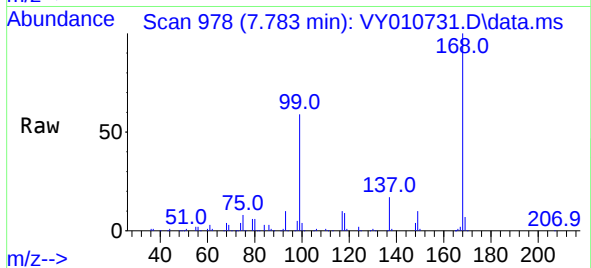
130 0.0 55.4 83.0#



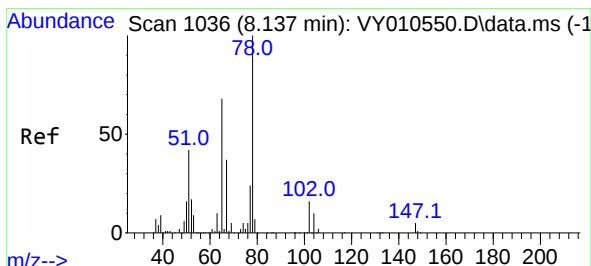
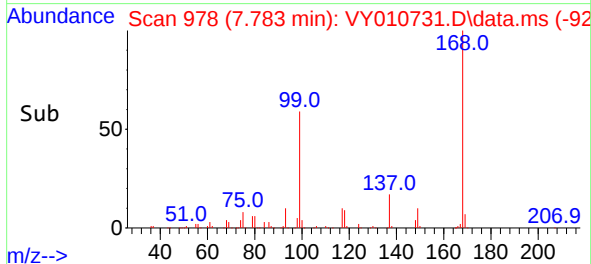
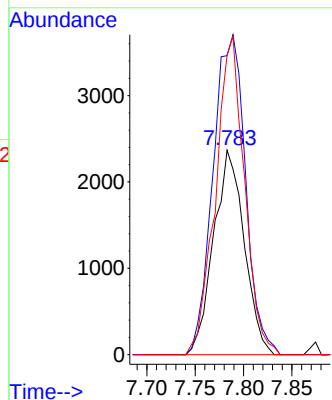


#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010731.D
Acq: 29 Sep 2022 15:14

Instrument :
MSVOA_Y
ClientSampleId :
SAND-FILTER-2

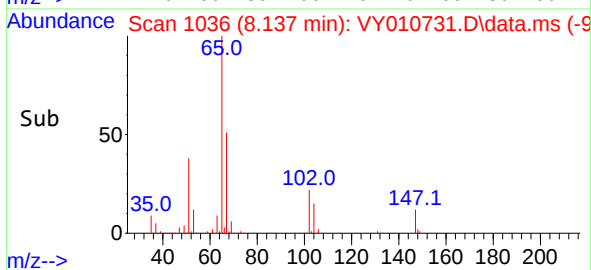
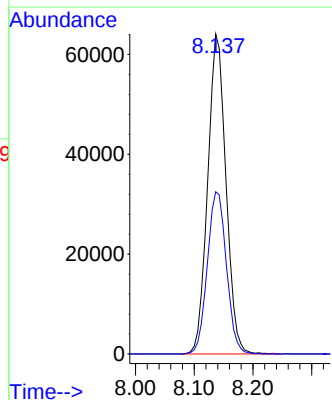
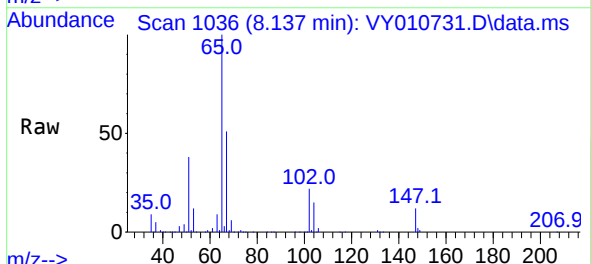


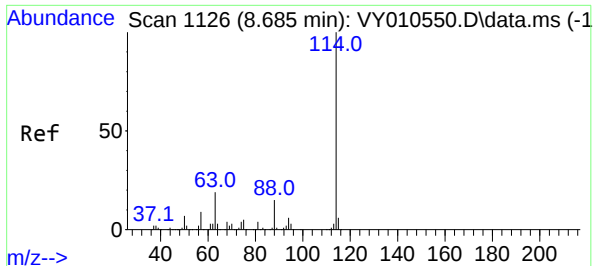
Tgt Ion: 56 Resp: 5210
Ion Ratio Lower Upper
56 100
69 146.3 26.7 40.1#
84 146.7 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 58.339 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VY010731.D
Acq: 29 Sep 2022 15:14

Tgt Ion: 65 Resp: 138274
Ion Ratio Lower Upper
65 100
67 52.9 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: VY010731.D

Acq: 29 Sep 2022 15:14

Instrument :

MSVOA_Y

ClientSampleId :

SAND-FILTER-2

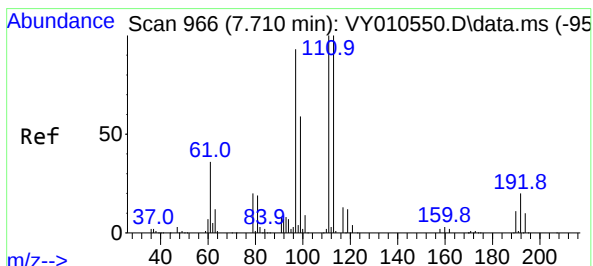
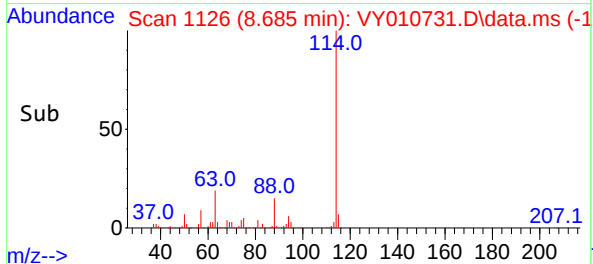
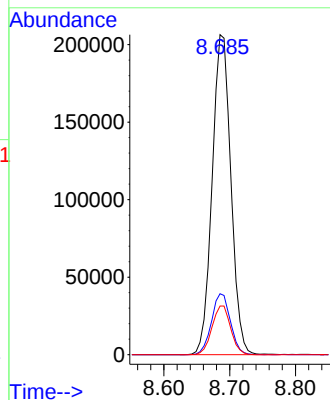
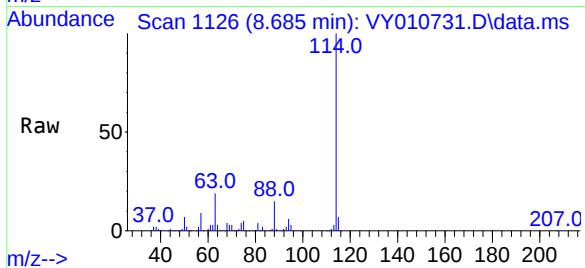
Tgt Ion:114 Resp: 409377

Ion Ratio Lower Upper

114 100

63 19.0 0.0 43.2

88 15.2 0.0 31.8



#35

Dibromofluoromethane

Concen: 52.866 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY010731.D

Acq: 29 Sep 2022 15:14

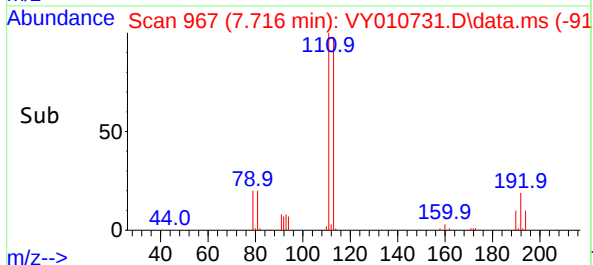
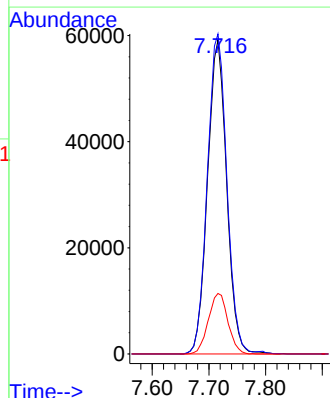
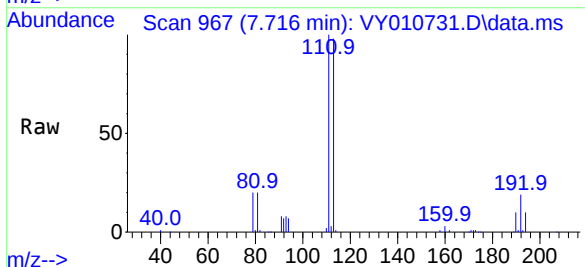
Tgt Ion:113 Resp: 138119

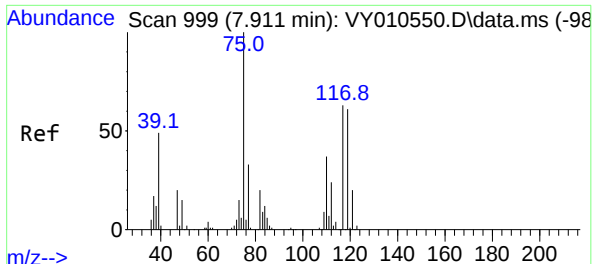
Ion Ratio Lower Upper

113 100

111 104.1 82.6 124.0

192 19.8 17.6 26.4





#36

1,1-Dichloropropene

Concen: 6.657 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY010731.D

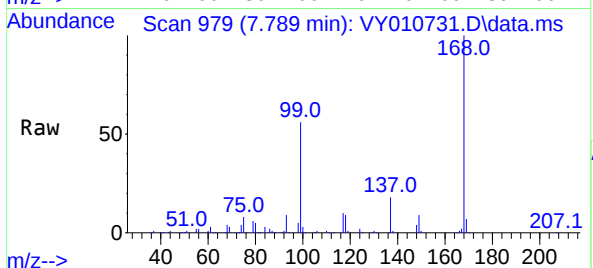
Acq: 29 Sep 2022 15:14

Instrument :

MSVOA_Y

ClientSampleId :

SAND-FILTER-2



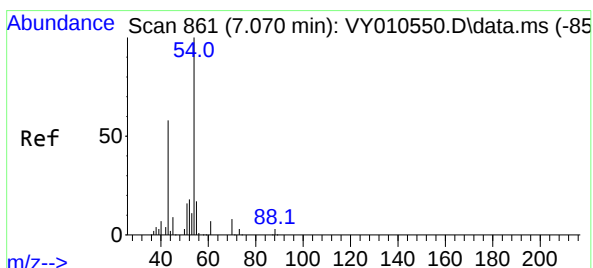
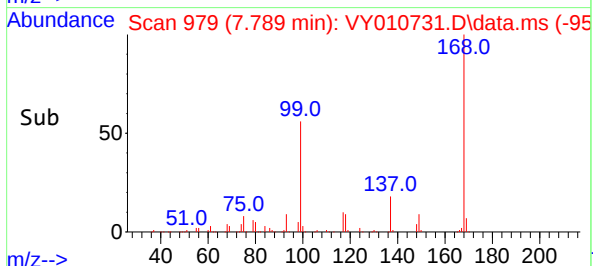
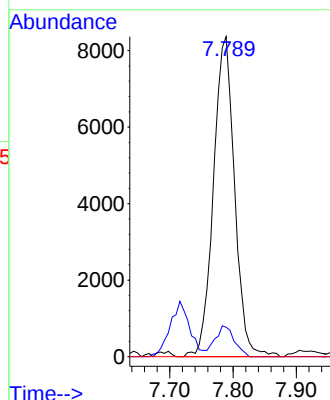
Tgt Ion: 75 Resp: 19378

Ion Ratio Lower Upper

75 100

110 8.6 17.1 51.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.625 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.092 min

Lab File: VY010731.D

Acq: 29 Sep 2022 15:14

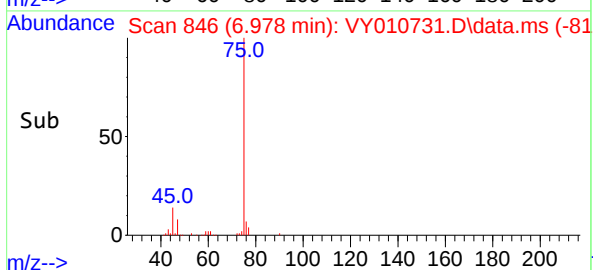
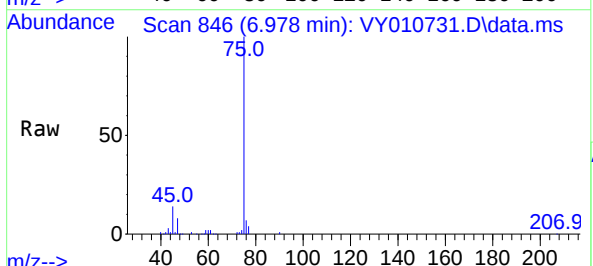
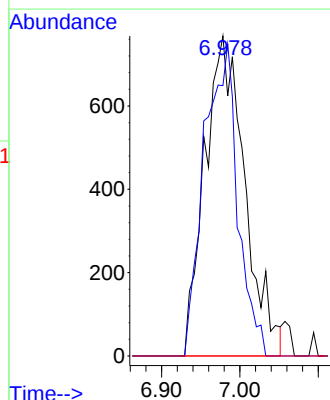
Tgt Ion: 43 Resp: 2732

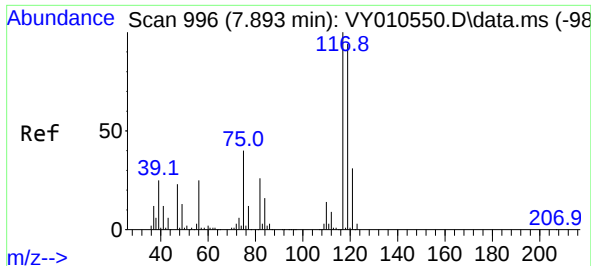
Ion Ratio Lower Upper

43 100

61 81.4 9.7 14.5#

70 0.0 7.1 10.7#

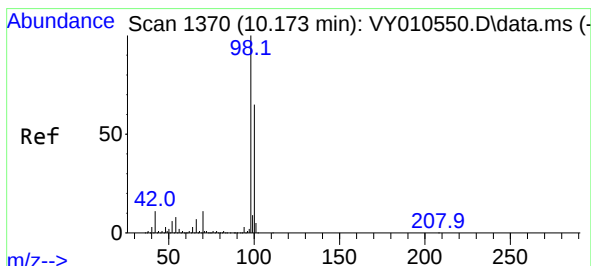
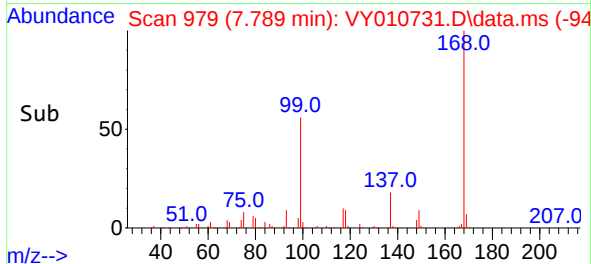
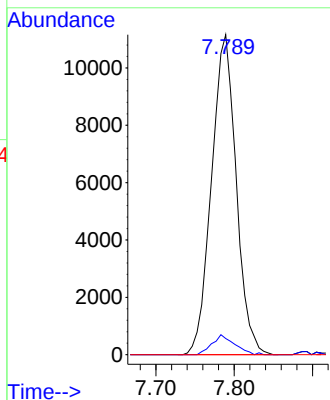
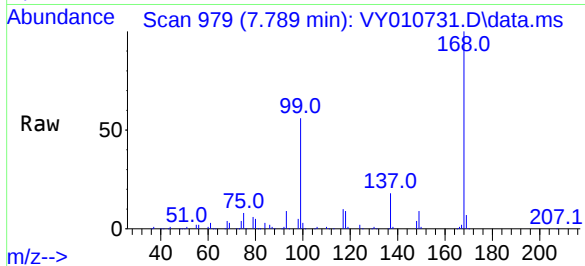




#38
Carbon Tetrachloride
Concen: 7.311 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY010731.D
Acq: 29 Sep 2022 15:14

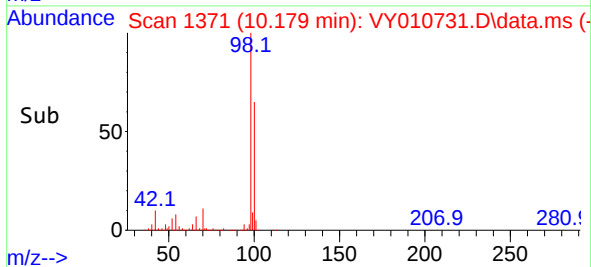
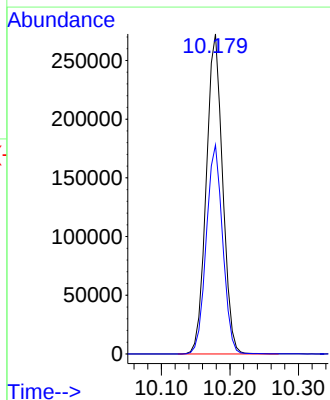
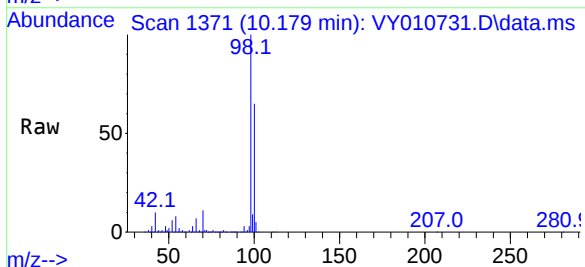
Instrument :
MSVOA_Y
ClientSampleId :
SAND-FILTER-2

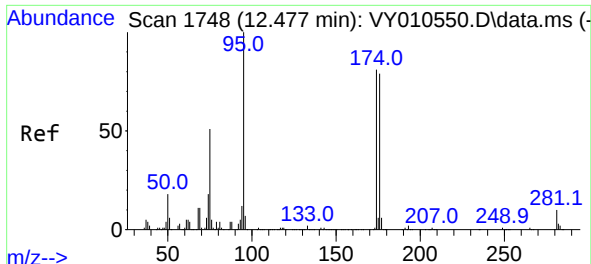
Tgt Ion:117 Resp: 24472
Ion Ratio Lower Upper
117 100
119 5.0 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 47.021 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010731.D
Acq: 29 Sep 2022 15:14

Tgt Ion: 98 Resp: 452110
Ion Ratio Lower Upper
98 100
100 65.4 50.2 75.2

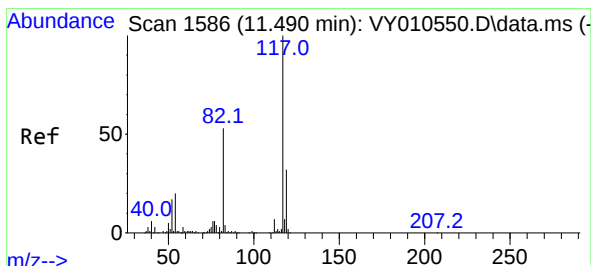
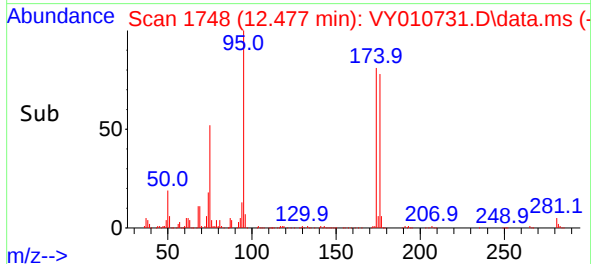
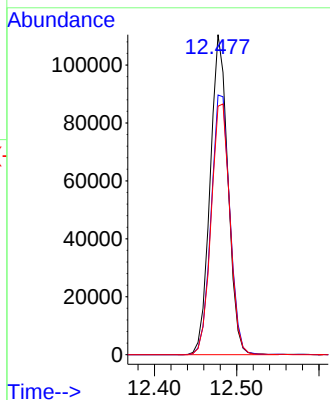
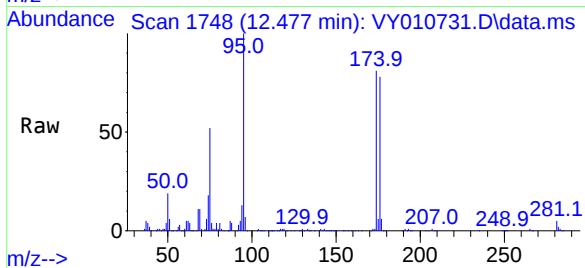




#62
4-Bromofluorobenzene
Concen: 46.198 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY010731.D
Acq: 29 Sep 2022 15:14

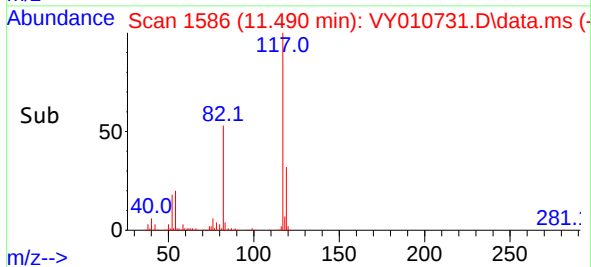
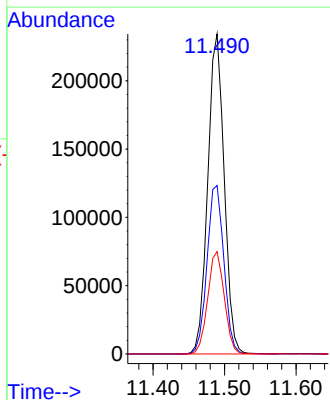
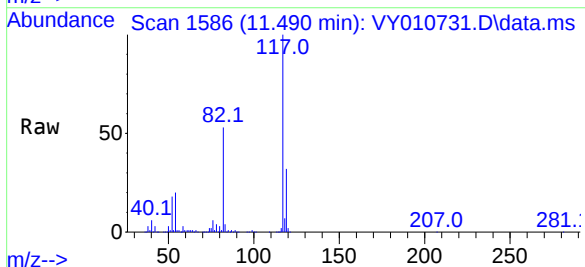
Instrument :
MSVOA_Y
ClientSampleId :
SAND-FILTER-2

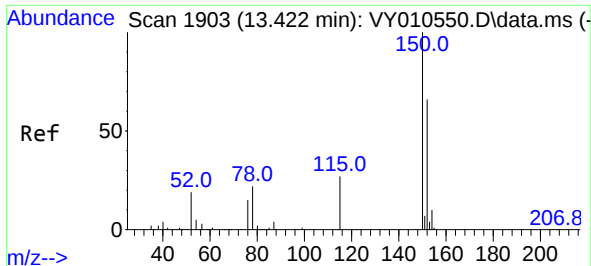
Tgt Ion: 95 Resp: 166286
Ion Ratio Lower Upper
95 100
174 85.2 0.0 177.0
176 82.4 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY010731.D
Acq: 29 Sep 2022 15:14

Tgt Ion: 117 Resp: 373834
Ion Ratio Lower Upper
117 100
82 52.7 43.0 64.4
119 32.0 25.4 38.0

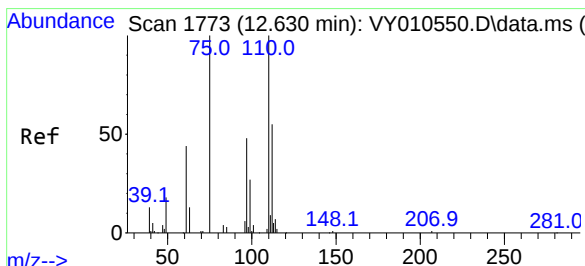
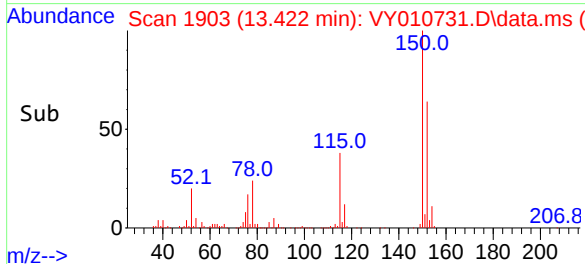
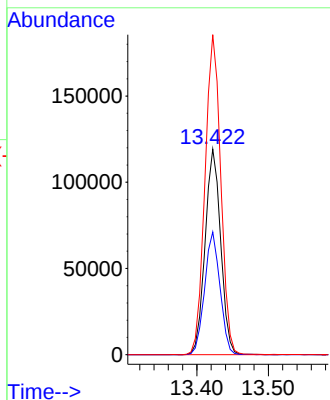
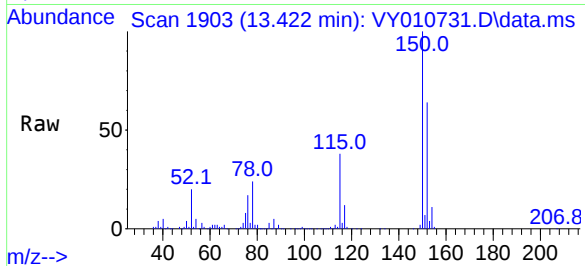




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010731.D
Acq: 29 Sep 2022 15:14

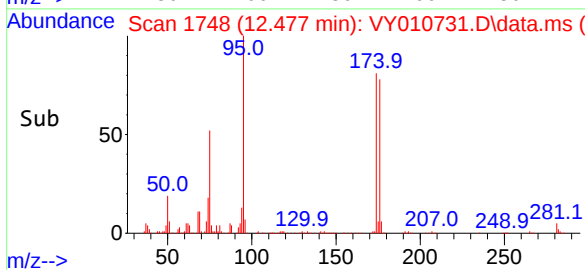
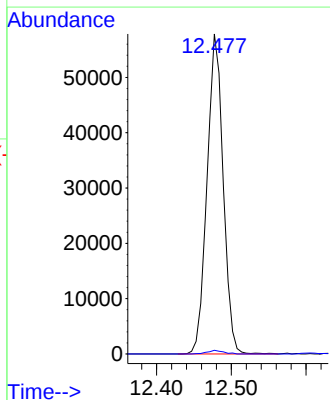
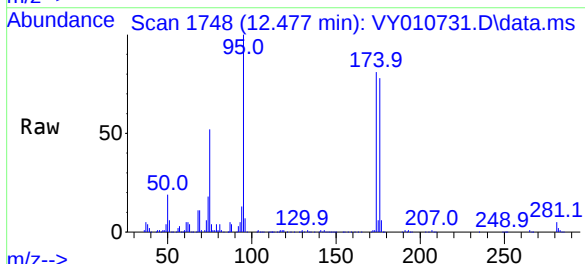
Instrument :
MSVOA_Y
ClientSampleId :
SAND-FILTER-2

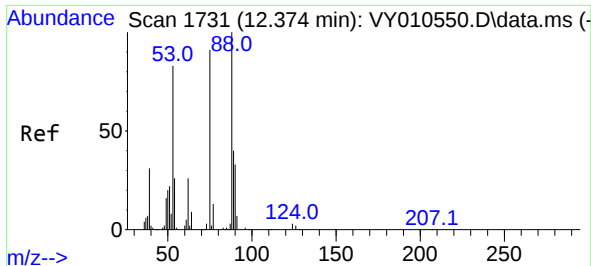
Tgt Ion:152 Resp: 180376
Ion Ratio Lower Upper
152 100
115 58.9 28.2 84.7
150 157.7 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 50.343 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010731.D
Acq: 29 Sep 2022 15:14

Tgt Ion: 75 Resp: 86668
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 111.933 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY010731.D
 Acq: 29 Sep 2022 15:14

Instrument :
 MSVOA_Y
 ClientSampleId :
 SAND-FILTER-2

Tgt Ion: 75 Resp: 86668
 Ion Ratio Lower Upper
 75 100
 53 0.1 85.3 127.9#
 89 0.1 37.0 55.4#

