

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092922\
 Data File : VY010736.D
 Acq On : 29 Sep 2022 17:07
 Operator : KP/MD
 Sample : N4898-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CRUSHED-MASONRY-PILE-11

Quant Time: Sep 30 08:23:26 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	250912	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	411699	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	373958	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	184183	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	130324	54.304	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.600%	
35) Dibromofluoromethane	7.710	113	15476	5.890	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 11.780%#	
50) Toluene-d8	10.179	98	443068	45.901	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 91.800%	
62) 4-Bromofluorobenzene	12.477	95	163149	45.001	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 90.000%	

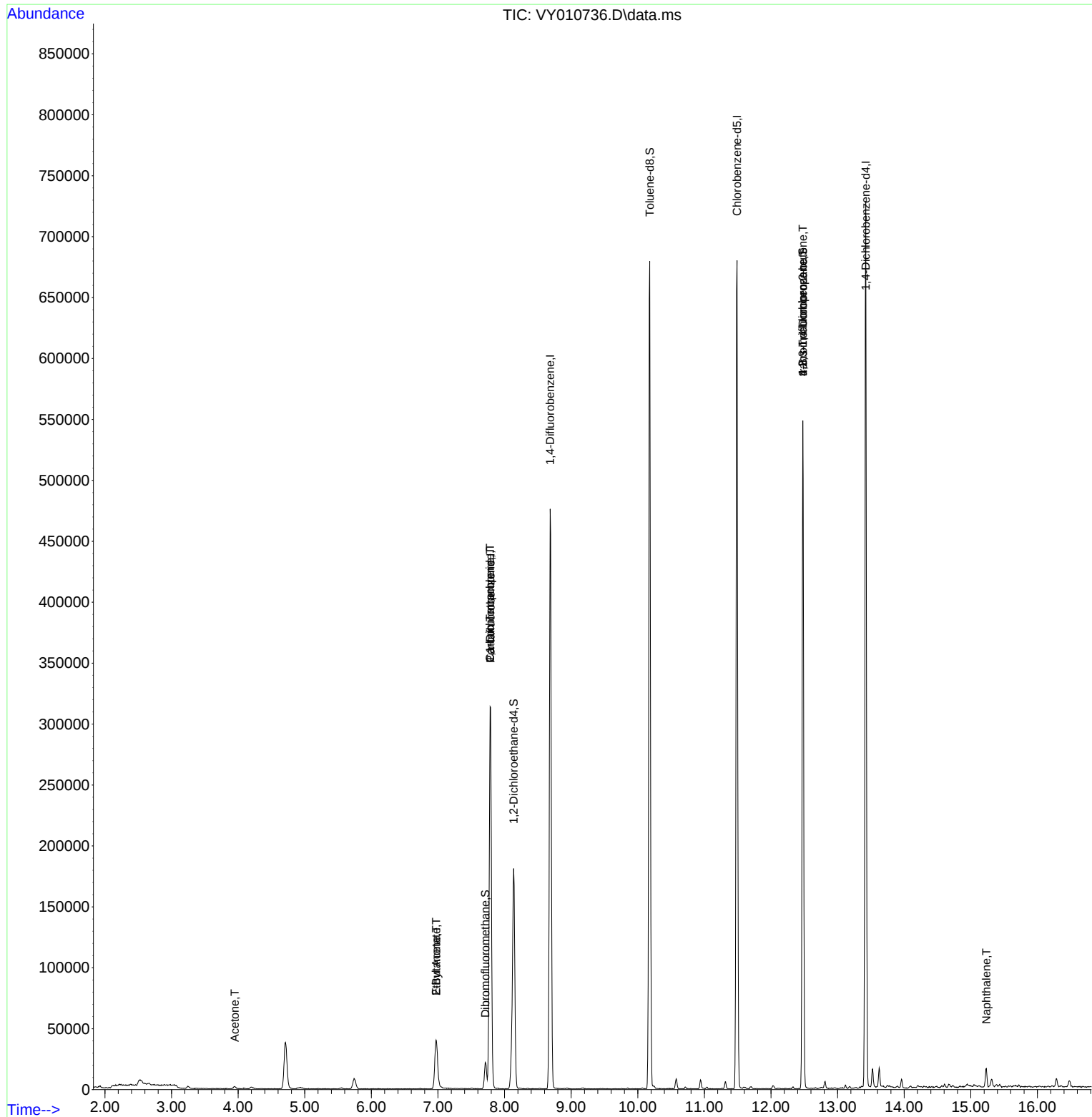
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	506	Below Cal		84
3) Chloromethane	2.113	50	421	Below Cal	#	81
4) Vinyl Chloride	2.363	62	21	Below Cal	#	43
5) Bromomethane	2.662	94	327	Below Cal	#	80
11) Tert butyl alcohol	4.924	59	2046	Below Cal	#	77
16) Acetone	3.948	43	3038	6.208	ug/l #	87
17) Carbon Disulfide	4.192	76	435	Below Cal	#	75
18) Methyl Acetate	4.716	43	310	Below Cal	#	56
20) Methylene Chloride	4.710	84	30005	Below Cal		87
25) 2-Butanone	6.972	43	3025	3.952	ug/l #	90
31) Cyclohexane	7.789	56	5258	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	19154	6.543	ug/l #	50
37) Ethyl Acetate	6.972	43	3025	1.789	ug/l #	2
38) Carbon Tetrachloride	7.783	117	24571	7.299	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	84705	48.185	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	84705	107.137	ug/l #	7
95) Naphthalene	15.233	128	12687	2.108	ug/l	98

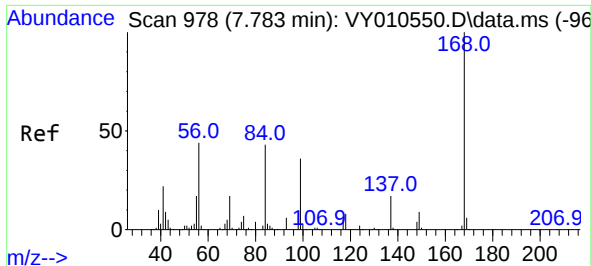
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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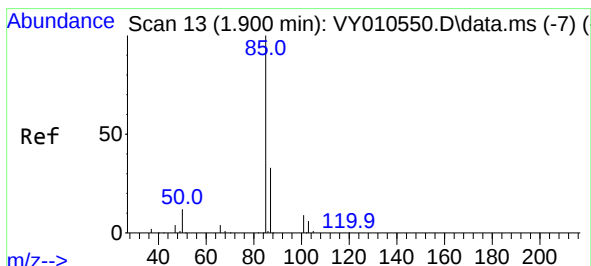
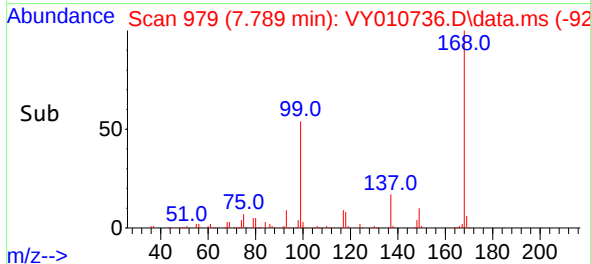
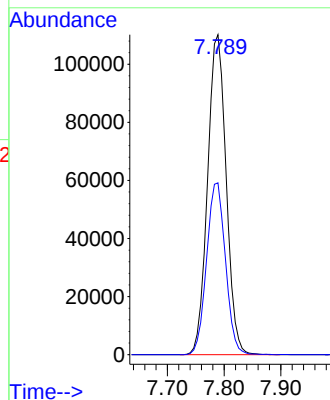
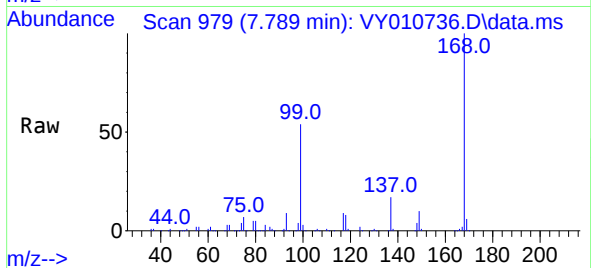




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010736.D
Acq: 29 Sep 2022 17:07

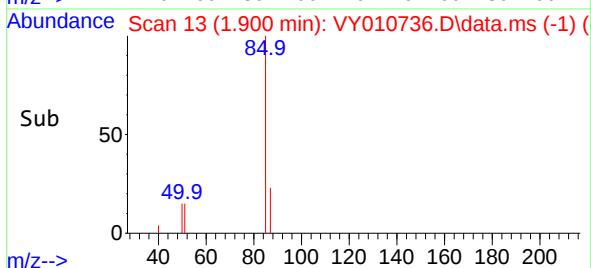
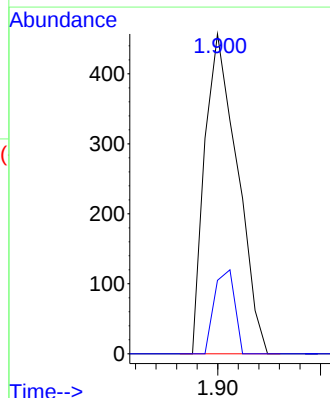
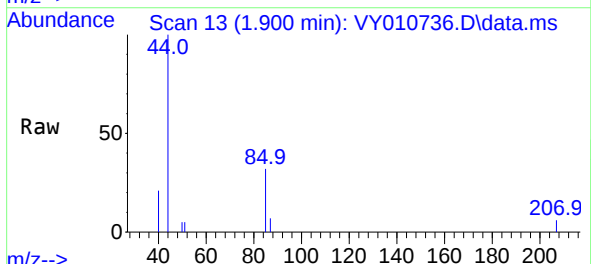
Instrument :
MSVOA_Y
ClientSampleId :
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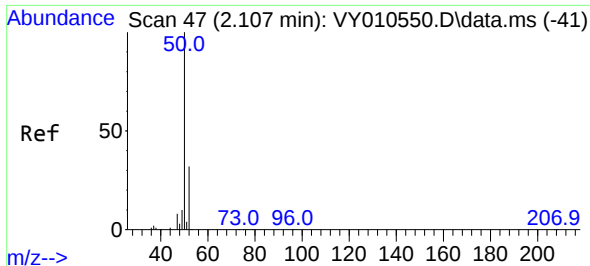
Tgt Ion:168 Resp: 250912
Ion Ratio Lower Upper
168 100
99 53.7 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010736.D
Acq: 29 Sep 2022 17:07

Tgt Ion: 85 Resp: 506
Ion Ratio Lower Upper
85 100
87 23.0 16.1 48.2

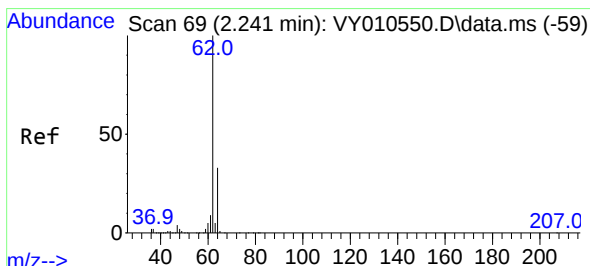
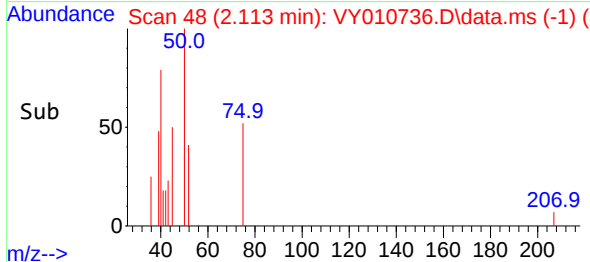
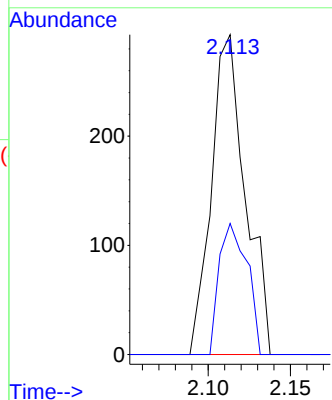
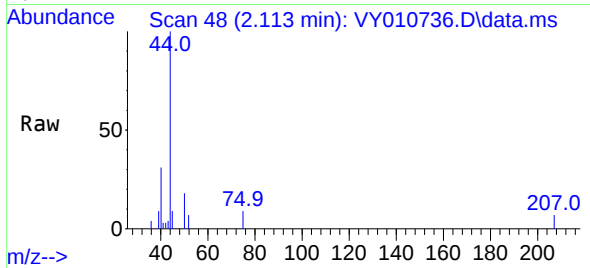




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY010736.D
Acq: 29 Sep 2022 17:07

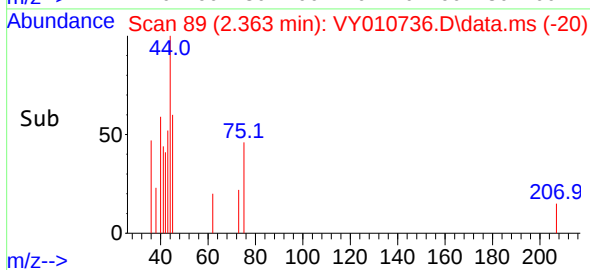
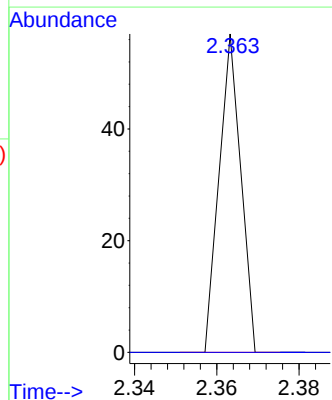
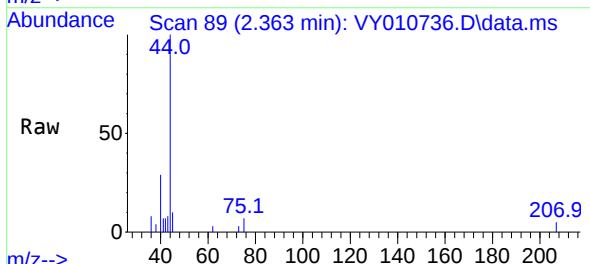
Instrument :
MSVOA_Y
ClientSampleId :
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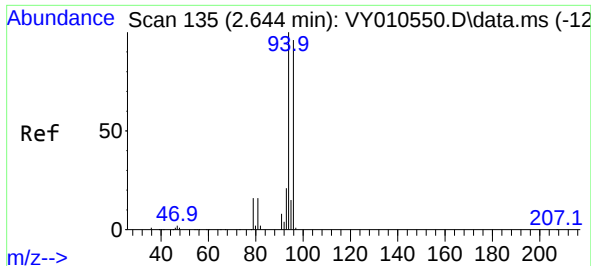
Tgt Ion: 50 Resp: 421
Ion Ratio Lower Upper
50 100
52 41.0 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.363 min Scan# 89
Delta R.T. 0.122 min
Lab File: VY010736.D
Acq: 29 Sep 2022 17:07

Tgt Ion: 62 Resp: 21
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

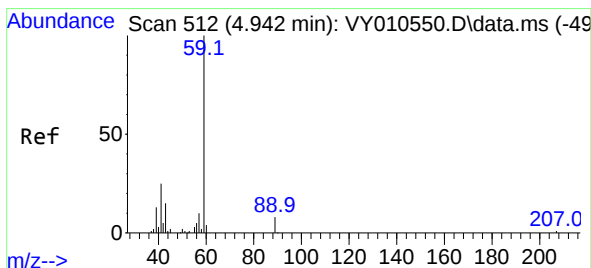
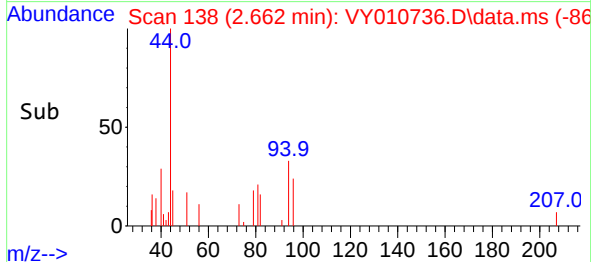
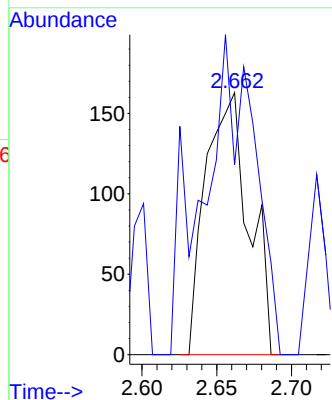
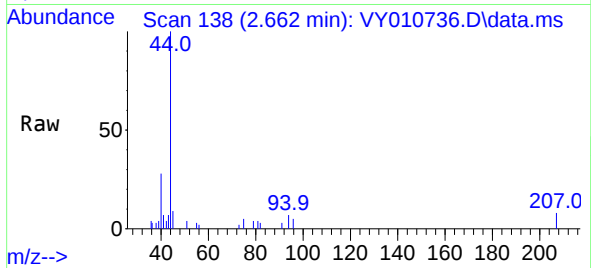




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY010736.D
Acq: 29 Sep 2022 17:07

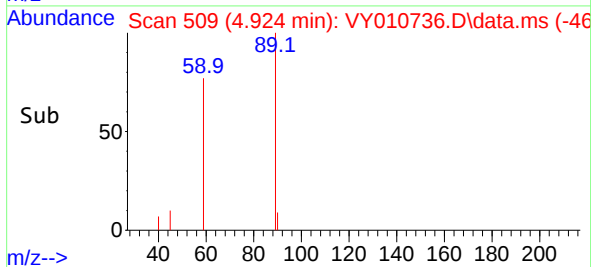
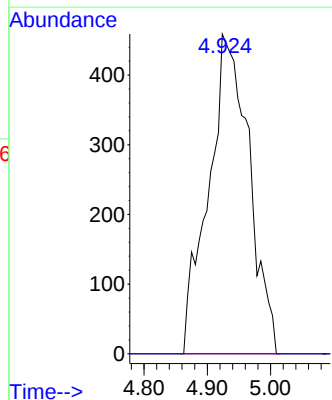
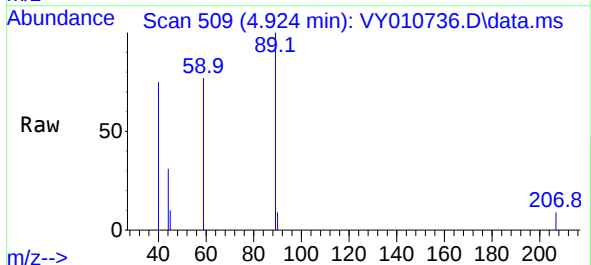
Instrument :
MSVOA_Y
ClientSampleId :
CRUSHED-MASONRY-PILE-11

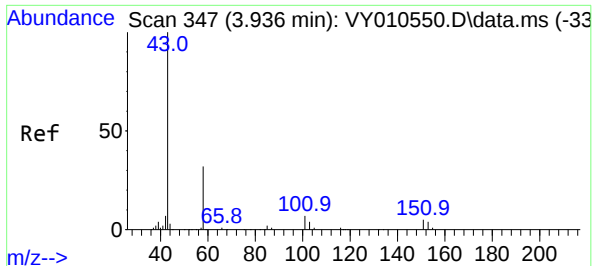
Tgt Ion: 94 Resp: 327
Ion Ratio Lower Upper
94 100
96 72.4 73.5 110.3#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.924 min Scan# 509
Delta R.T. -0.018 min
Lab File: VY010736.D
Acq: 29 Sep 2022 17:07

Tgt Ion: 59 Resp: 2046
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

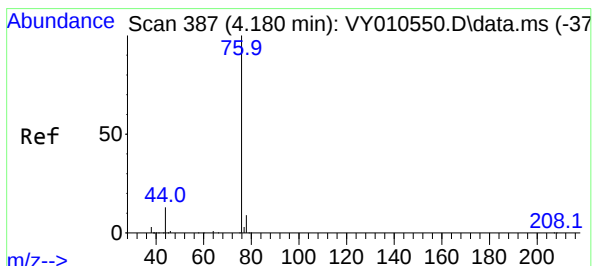
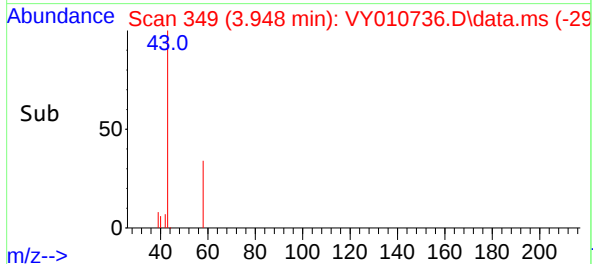
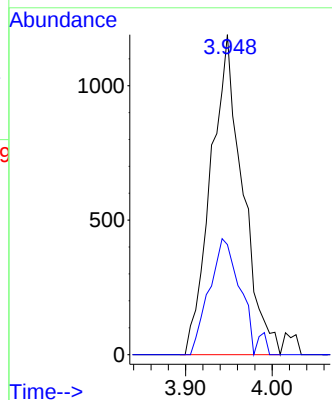
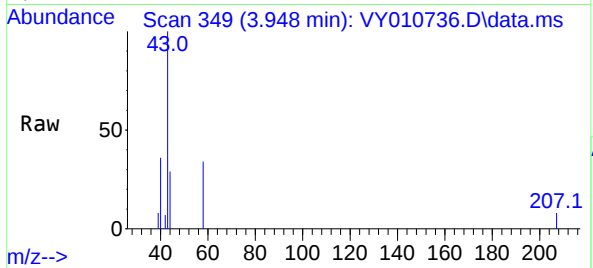




#16
Acetone
Concen: 6.208 ug/l
RT: 3.948 min Scan# 347
Delta R.T. 0.012 min
Lab File: VY010736.D
Acq: 29 Sep 2022 17:07

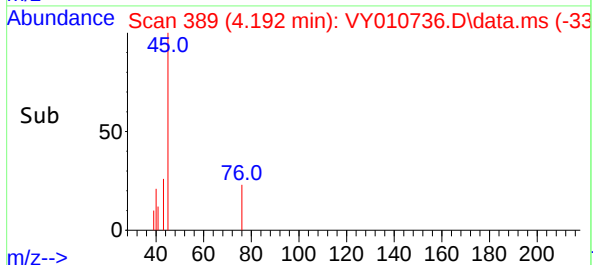
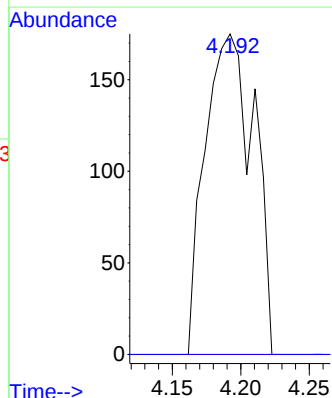
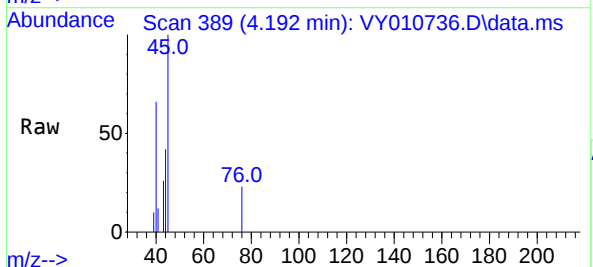
Instrument :
MSVOA_Y
ClientSampleId :
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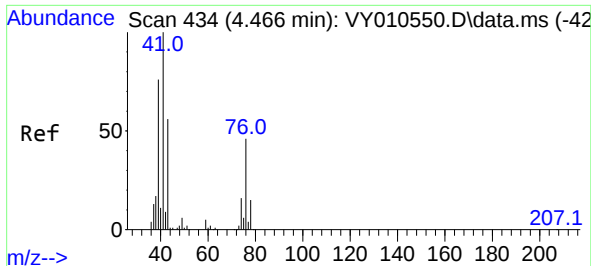
Tgt Ion: 43 Resp: 3038
Ion Ratio Lower Upper
43 100
58 34.4 22.0 33.0#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.192 min Scan# 389
Delta R.T. 0.012 min
Lab File: VY010736.D
Acq: 29 Sep 2022 17:07

Tgt Ion: 76 Resp: 435
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

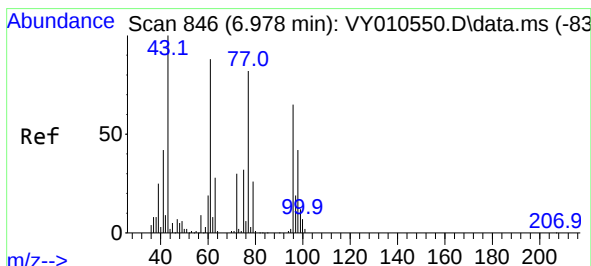
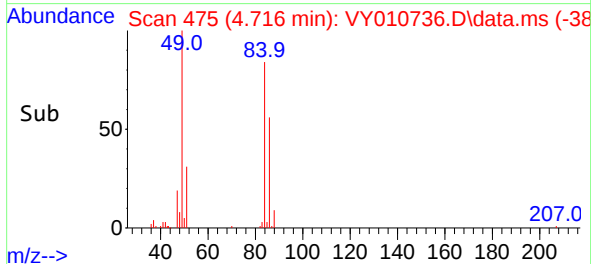
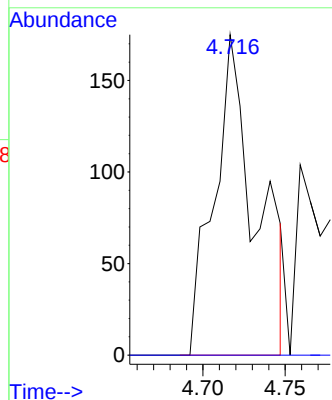
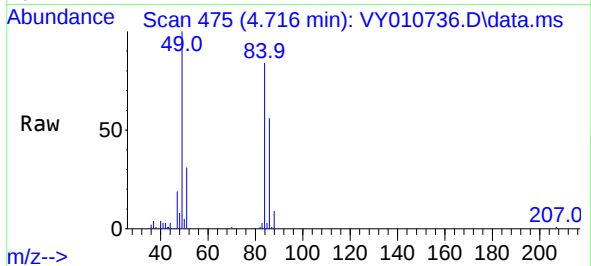




#18
Methyl Acetate
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.250 min
Lab File: VY010736.D
Acq: 29 Sep 2022 17:07

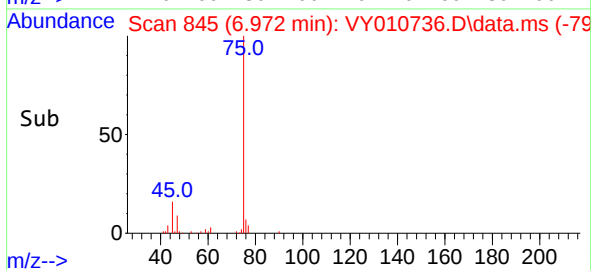
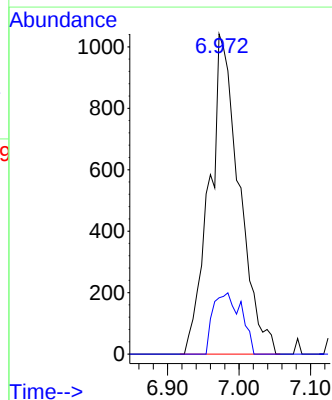
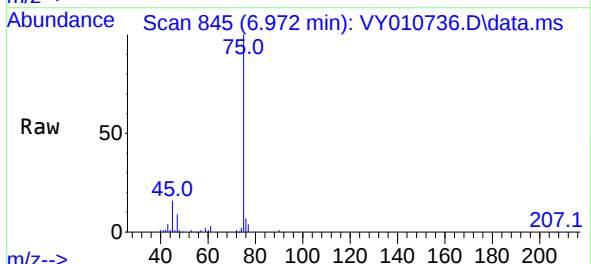
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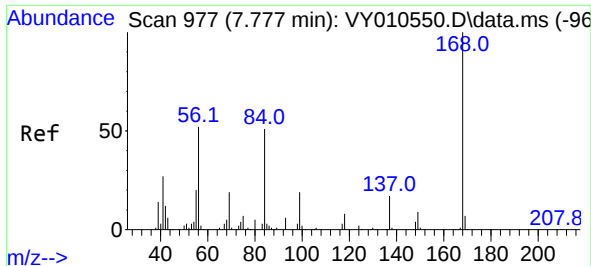
Tgt Ion: 43 Resp: 310
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#25
2-Butanone
Concen: 3.952 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY010736.D
Acq: 29 Sep 2022 17:07

Tgt Ion: 43 Resp: 3025
Ion Ratio Lower Upper
43 100
72 17.6 17.7 26.5#

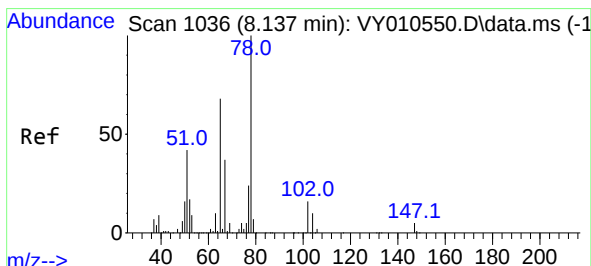
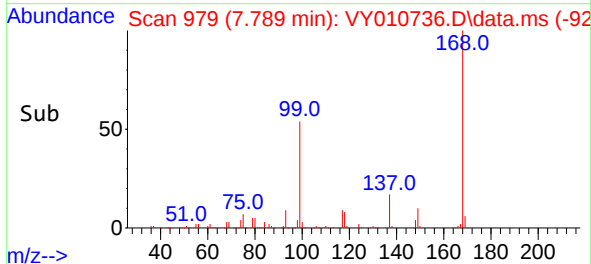
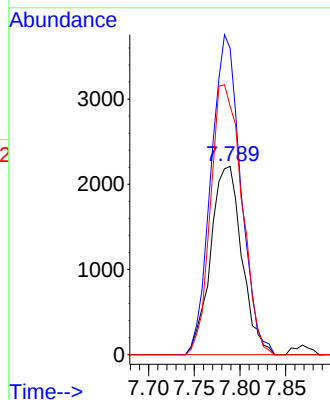
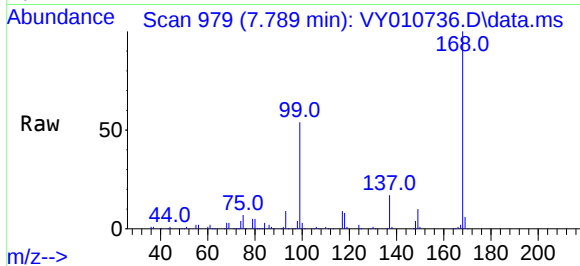




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY010736.D
Acq: 29 Sep 2022 17:07

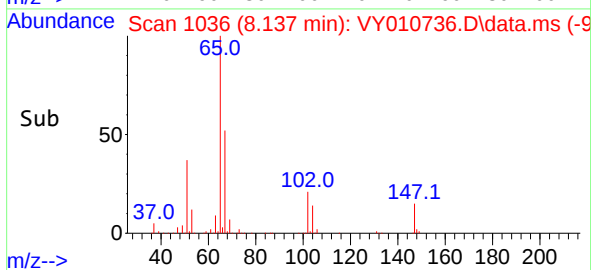
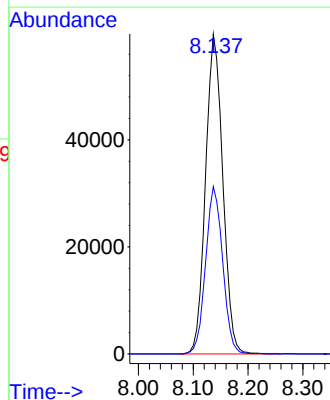
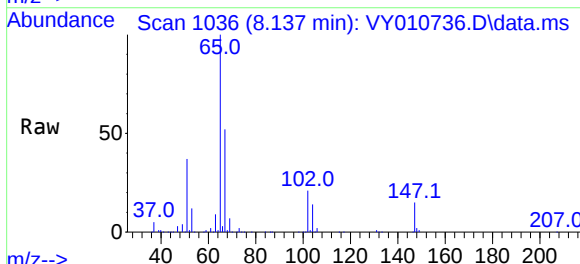
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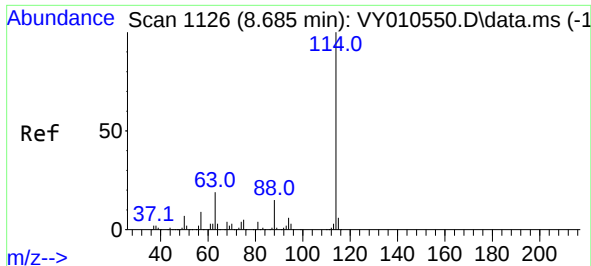
Tgt Ion: 56 Resp: 5258
Ion Ratio Lower Upper
56 100
69 162.7 26.7 40.1#
84 131.9 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 54.304 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VY010736.D
Acq: 29 Sep 2022 17:07

Tgt Ion: 65 Resp: 130324
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: VY010736.D

Acq: 29 Sep 2022 17:07

Instrument :

MSVOA_Y

ClientSampleId :

CRUSHED-MASONRY-PILE-11

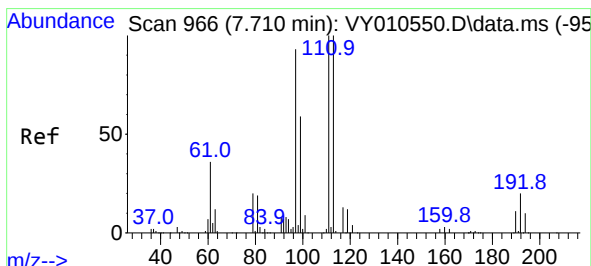
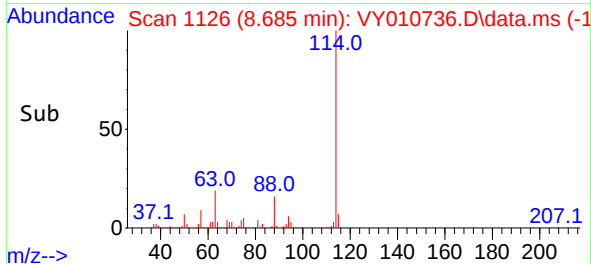
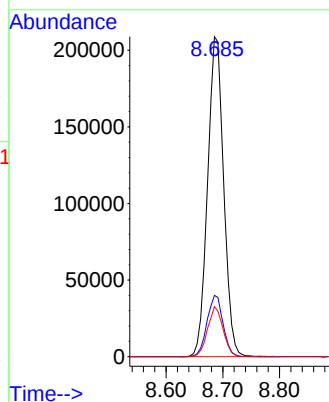
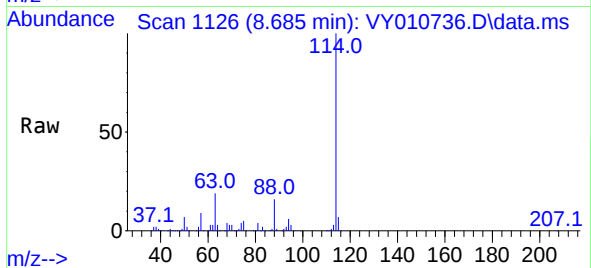
Tgt Ion:114 Resp: 411699

Ion Ratio Lower Upper

114 100

63 19.1 0.0 43.2

88 15.6 0.0 31.8



#35

Dibromofluoromethane

Concen: 5.890 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY010736.D

Acq: 29 Sep 2022 17:07

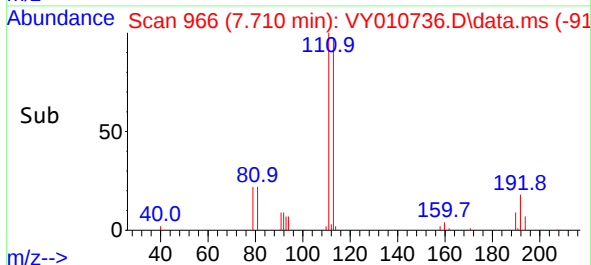
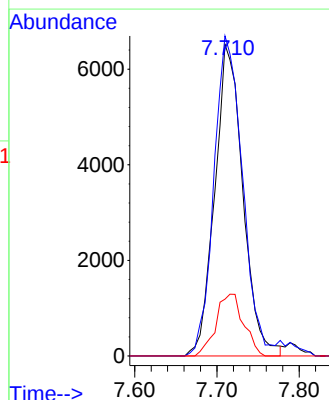
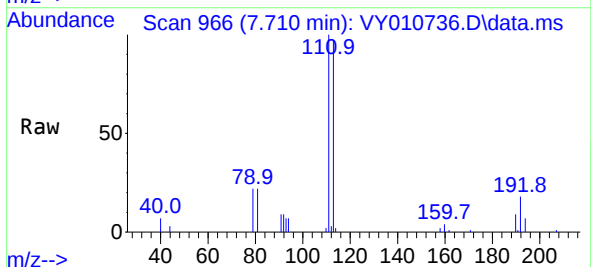
Tgt Ion:113 Resp: 15476

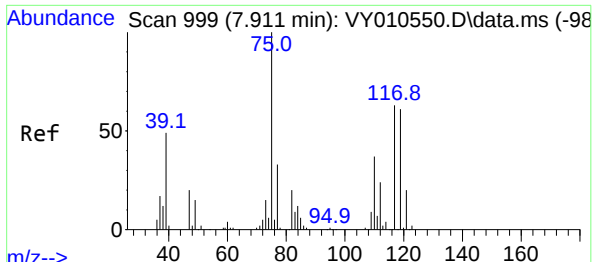
Ion Ratio Lower Upper

113 100

111 104.6 82.6 124.0

192 19.5 17.6 26.4

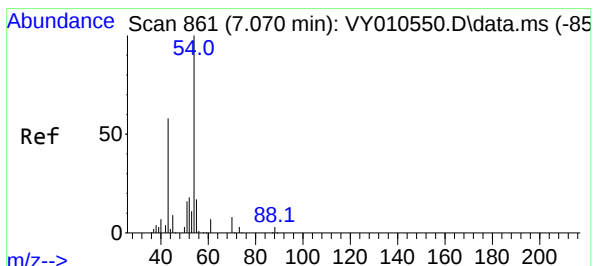
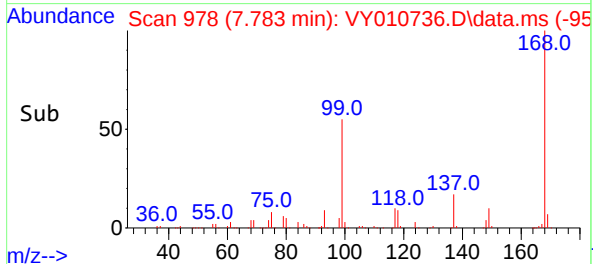
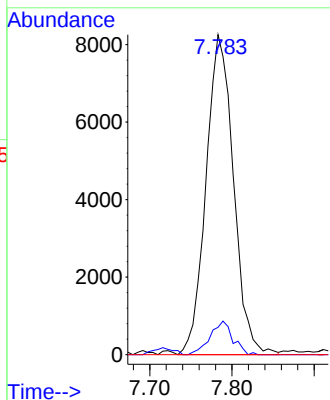
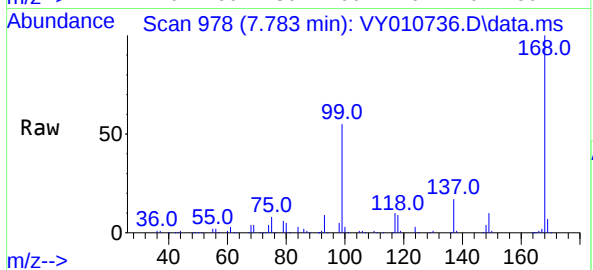




#36
1,1-Dichloropropene
Concen: 6.543 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY010736.D
Acq: 29 Sep 2022 17:07

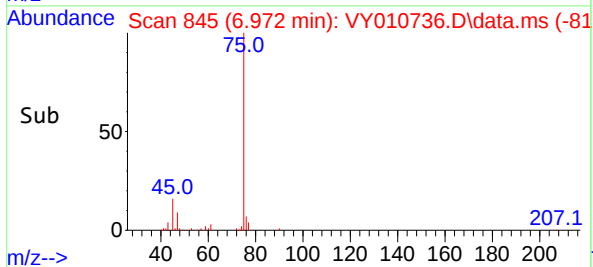
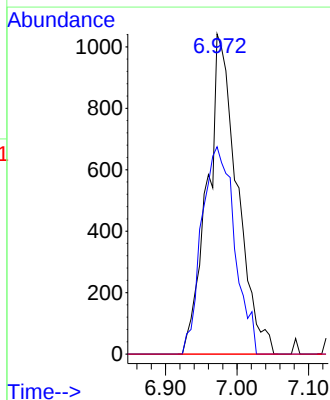
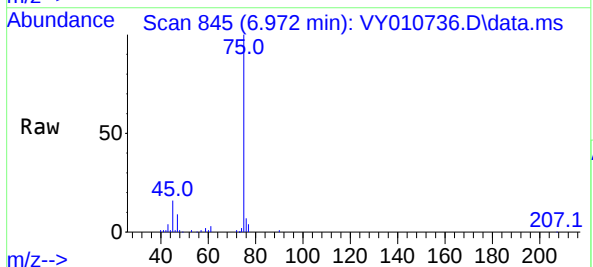
Instrument :
MSVOA_Y
ClientSampleId :
CRUSHED-MASONRY-PILE-11

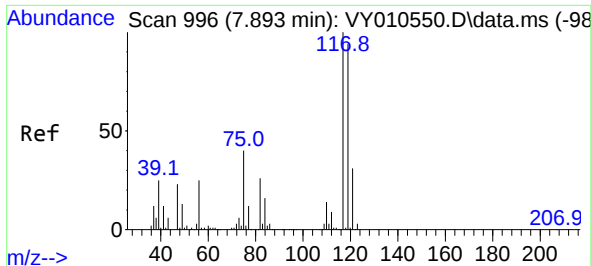
Tgt Ion: 75 Resp: 19154
Ion Ratio Lower Upper
75 100
110 8.7 17.1 51.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.789 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.098 min
Lab File: VY010736.D
Acq: 29 Sep 2022 17:07

Tgt Ion: 43 Resp: 3025
Ion Ratio Lower Upper
43 100
61 71.3 9.7 14.5#
70 0.0 7.1 10.7#

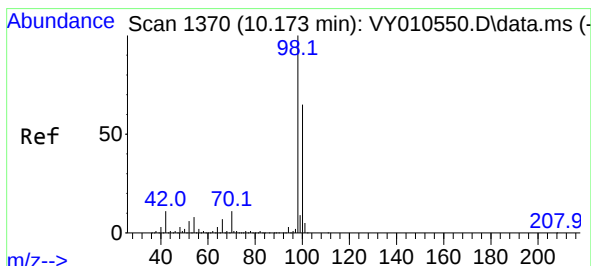
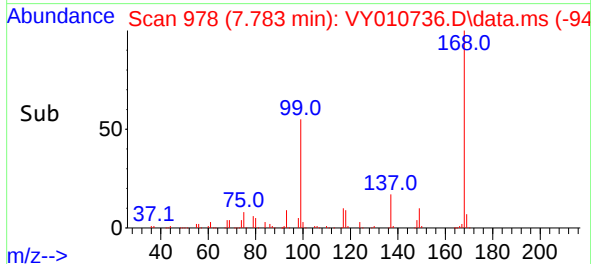
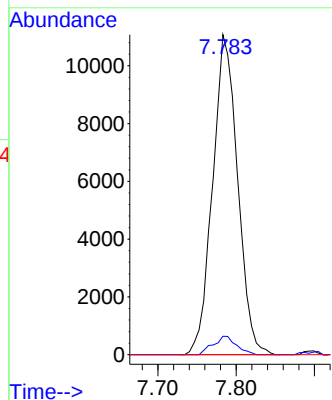
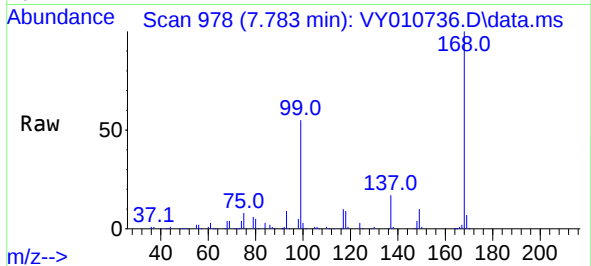




#38
Carbon Tetrachloride
Concen: 7.299 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY010736.D
Acq: 29 Sep 2022 17:07

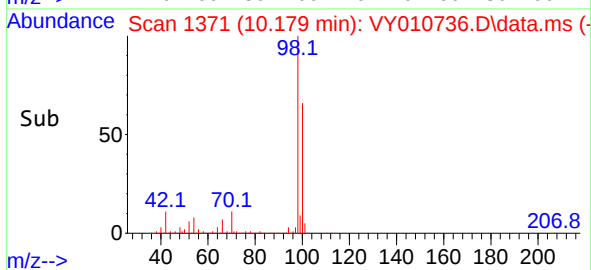
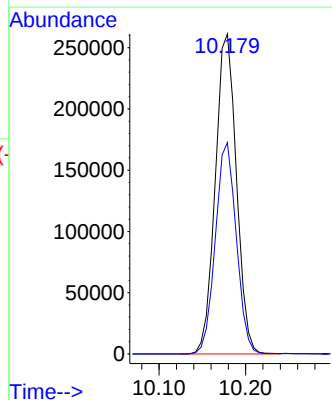
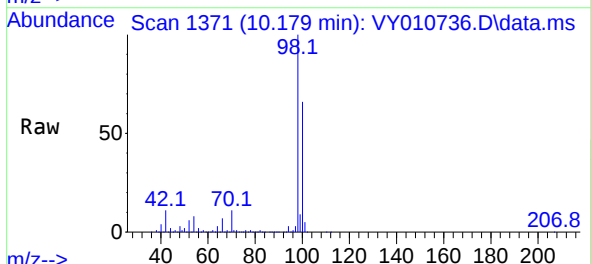
Instrument :
MSVOA_Y
ClientSampleId :
CRUSHED-MASONRY-PILE-11

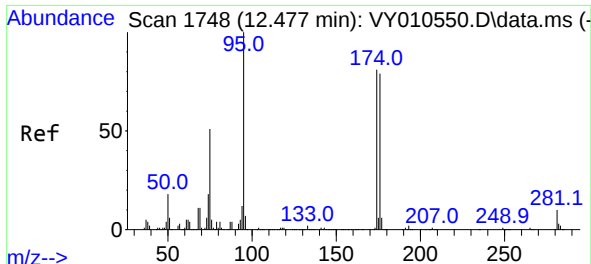
Tgt Ion:117 Resp: 24571
Ion Ratio Lower Upper
117 100
119 5.7 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 45.901 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010736.D
Acq: 29 Sep 2022 17:07

Tgt Ion: 98 Resp: 443068
Ion Ratio Lower Upper
98 100
100 65.5 50.2 75.2

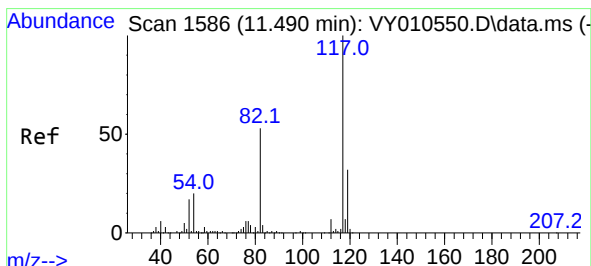
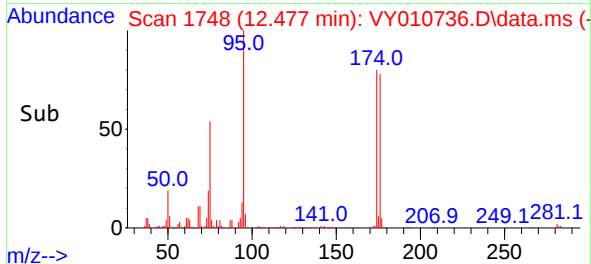
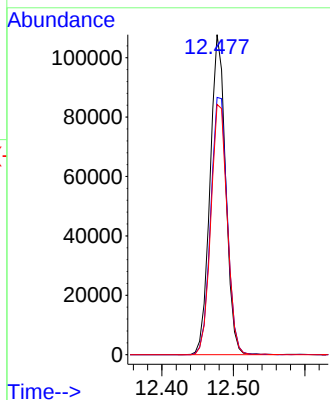
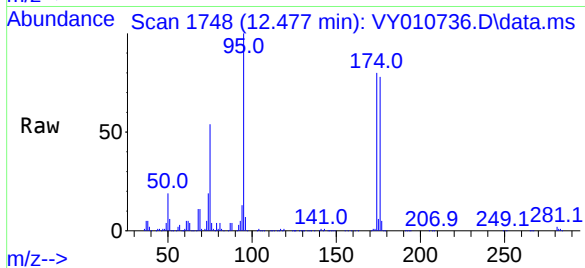




#62
4-Bromofluorobenzene
Concen: 45.001 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010736.D
Acq: 29 Sep 2022 17:07

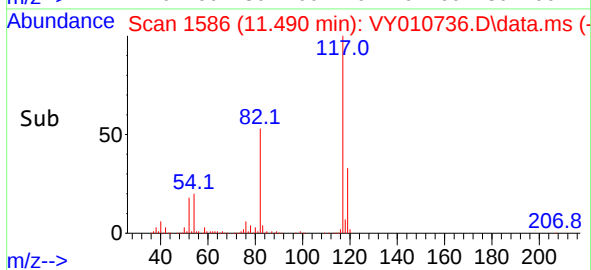
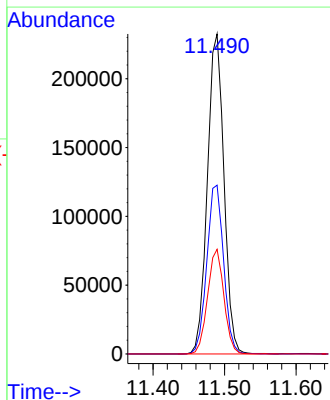
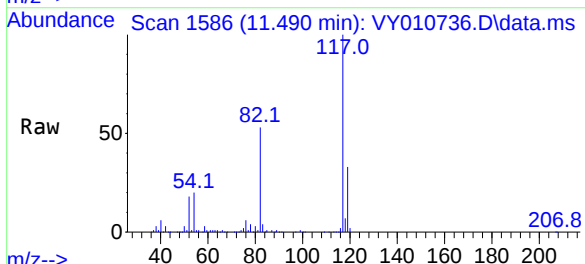
Instrument :
MSVOA_Y
ClientSampleId :
CRUSHED-MASONRY-PILE-11

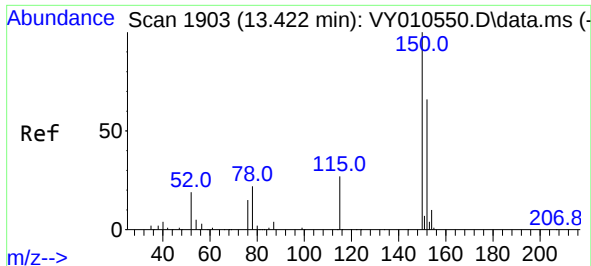
Tgt Ion: 95 Resp: 163149
Ion Ratio Lower Upper
95 100
174 85.1 0.0 177.0
176 81.8 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY010736.D
Acq: 29 Sep 2022 17:07

Tgt Ion: 117 Resp: 373958
Ion Ratio Lower Upper
117 100
82 52.8 43.0 64.4
119 32.7 25.4 38.0

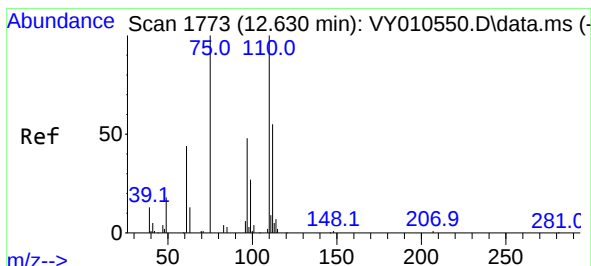
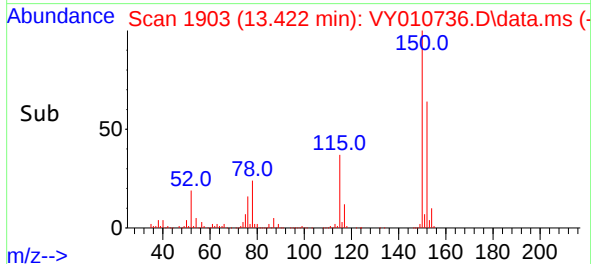
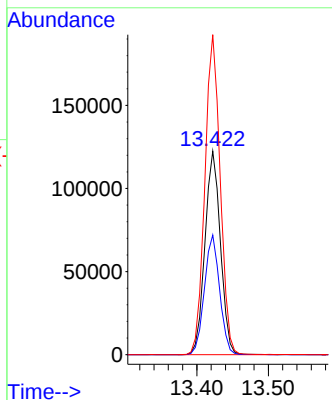
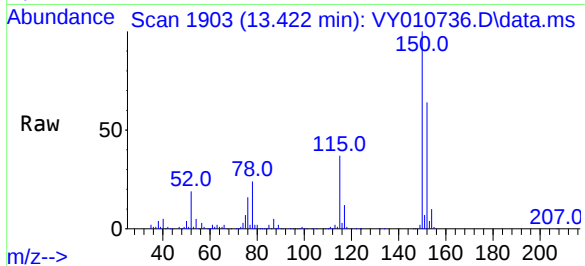




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010736.D
Acq: 29 Sep 2022 17:07

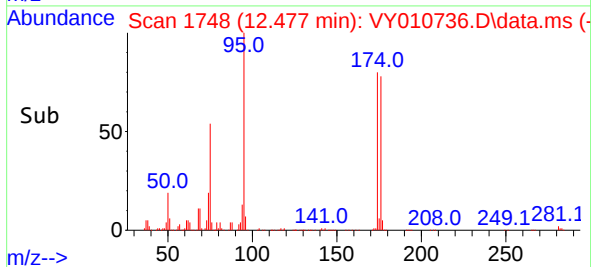
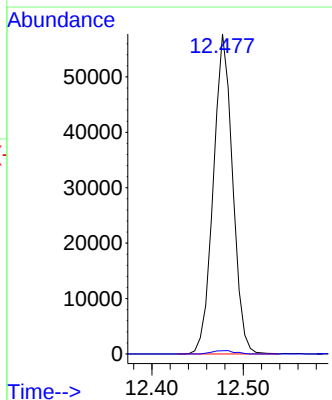
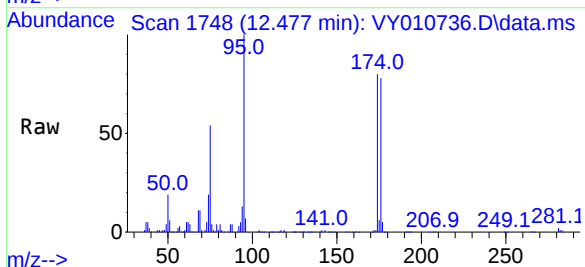
Instrument :
MSVOA_Y
ClientSampleId :
CRUSHED-MASONRY-PILE-11

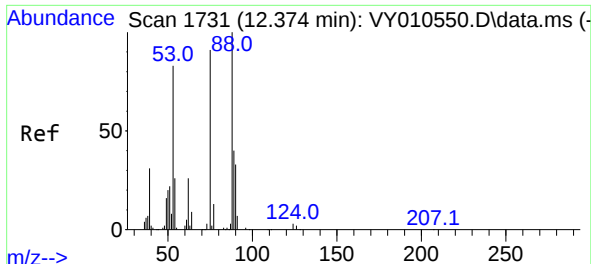
Tgt Ion:152 Resp: 184183
Ion Ratio Lower Upper
152 100
115 57.8 28.2 84.7
150 156.2 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 48.185 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010736.D
Acq: 29 Sep 2022 17:07

Tgt Ion: 75 Resp: 84705
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

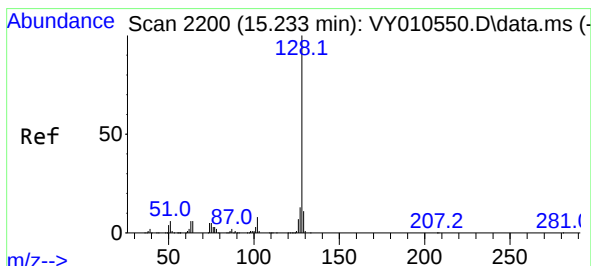
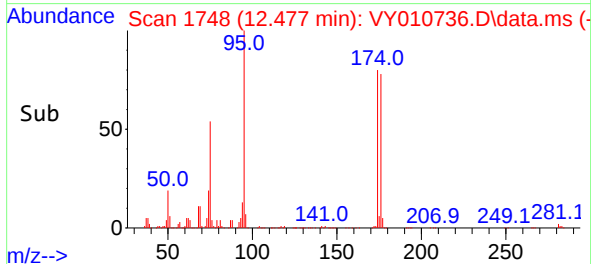
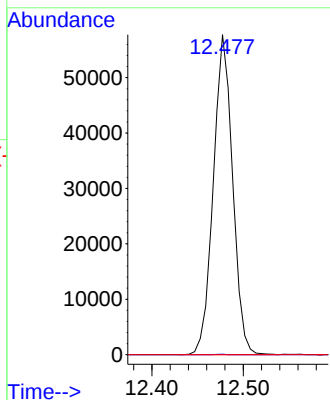
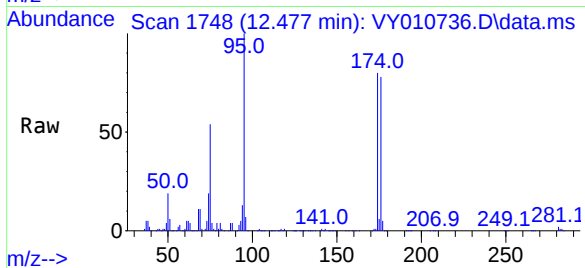




#81
trans-1,4-Dichloro-2-butene
Concen: 107.137 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY010736.D
Acq: 29 Sep 2022 17:07

Instrument :
MSVOA_Y
ClientSampleId :
CRUSHED-MASONRY-PILE-11

Tgt Ion: 75 Resp: 84705
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 2.108 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY010736.D
Acq: 29 Sep 2022 17:07

Tgt Ion: 128 Resp: 12687
Ion Ratio Lower Upper
128 100
127 13.5 11.0 16.4
129 11.8 8.4 12.6

