

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110122\
 Data File : VY011223.D
 Acq On : 01 Nov 2022 15:42
 Operator : KP/MD
 Sample : N5286-01RE
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BBS-SOILCUT-1026RE

Quant Time: Nov 02 01:42:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 01 11:56:18 2022
 Response via : Initial Calibration

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

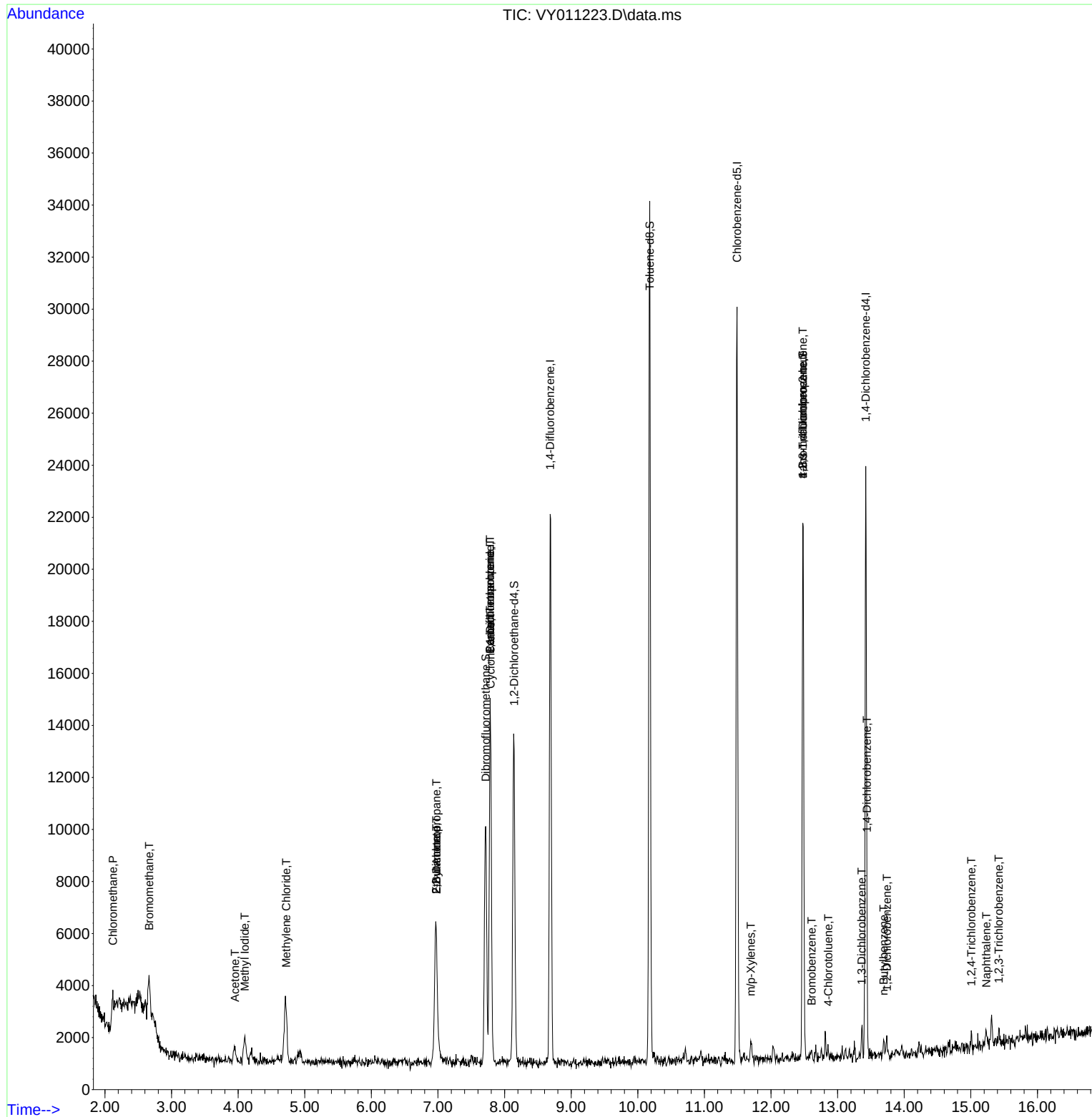
Internal Standards						
1) Pentafluorobenzene	7.783	168	11200	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	19291	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	17055	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	5989	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	9858	82.298	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 164.600%#	
35) Dibromofluoromethane	7.716	113	6964	56.187	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.380%	
50) Toluene-d8	10.179	98	23252	48.318	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 96.640%	
62) 4-Bromofluorobenzene	12.477	95	7076	42.356	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 84.720%	
Target Compounds						
						Qvalue
3) Chloromethane	2.119	50	508	4.090	ug/l	91
5) Bromomethane	2.662	94	756	8.168	ug/l	82
10) Methyl Iodide	4.100	142	1584	9.986	ug/l #	91
11) Tert butyl alcohol	4.936	59	349	Below Cal	#	77
16) Acetone	3.954	43	1054	29.150	ug/l	96
20) Methylene Chloride	4.722	84	1980	9.296	ug/l #	73
25) 2-Butanone	6.978	43	283	5.563	ug/l #	54
26) 2,2-Dichloropropane	6.978	77	362	1.652	ug/l #	55
31) Cyclohexane	7.789	56	237	1.067	ug/l #	13
36) 1,1-Dichloropropene	7.783	75	831	4.106	ug/l #	42
37) Ethyl Acetate	6.978	43	283	2.594	ug/l #	4
38) Carbon Tetrachloride	7.783	117	1059	5.043	ug/l #	11
68) m/p-Xylenes	11.697	106	304	1.173	ug/l	79
76) 1,2,3-Trichloropropane	12.477	75	3483	47.771	ug/l #	100
77) Bromobenzene	12.611	156	155	1.472	ug/l #	79
81) trans-1,4-Dichloro-2-b...	12.477	75	3483	102.235	ug/l #	7
82) 4-Chlorotoluene	12.861	91	380	1.175	ug/l	80
87) 1,3-Dichlorobenzene	13.361	146	352	1.667	ug/l	81
88) 1,4-Dichlorobenzene	13.440	146	547	2.582	ug/l	97
89) n-Butylbenzene	13.690	91	411	1.091	ug/l #	75
91) 1,2-Dichlorobenzene	13.739	146	434	2.301	ug/l	77
93) 1,2,4-Trichlorobenzene	15.007	180	156	1.368	ug/l #	85
95) Naphthalene	15.233	128	639	6.175	ug/l #	73
96) 1,2,3-Trichlorobenzene	15.422	180	200	1.996	ug/l #	80

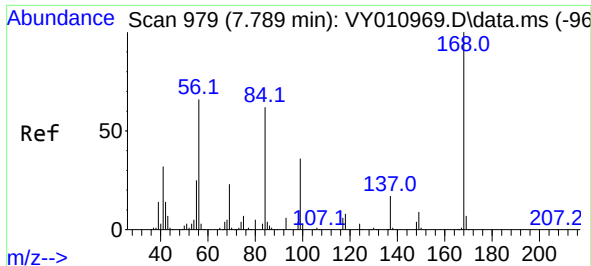
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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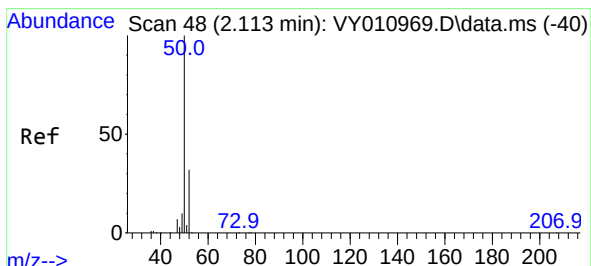
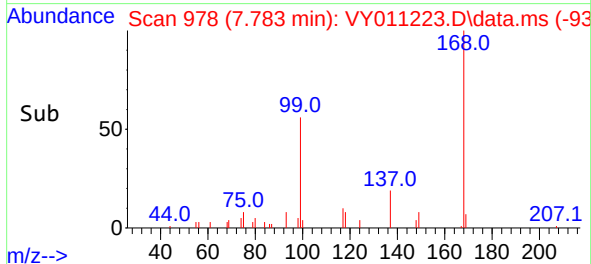
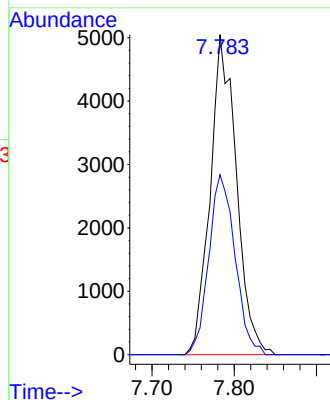
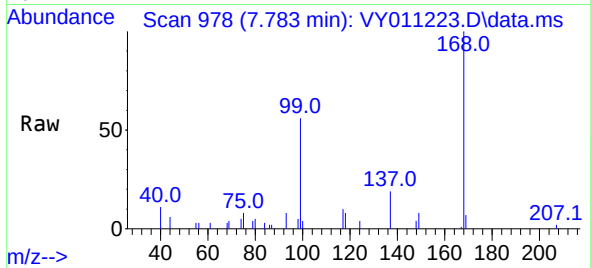




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011223.D
Acq: 01 Nov 2022 15:42

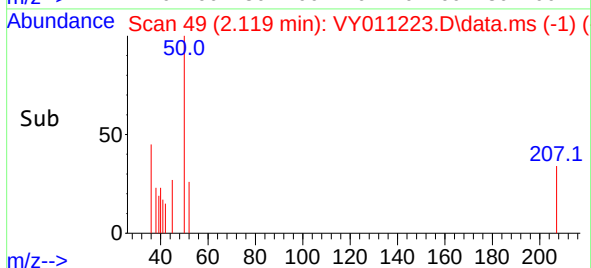
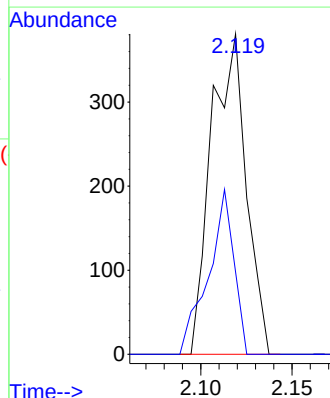
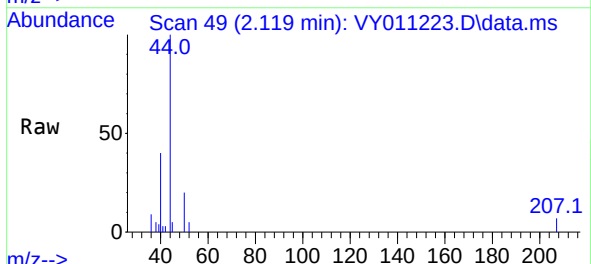
Instrument :
MSVOA_Y
ClientSampleId :
BBS-SOILCUT-1026RE

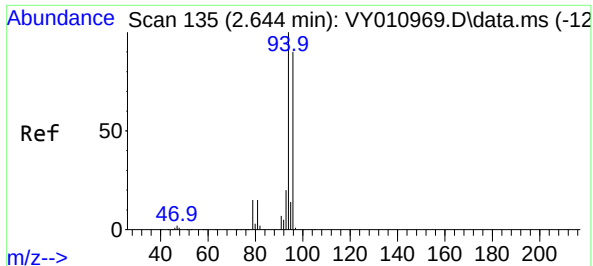
Tgt Ion:168 Resp: 11200
Ion Ratio Lower Upper
168 100
99 56.2 46.9 70.3



#3
Chloromethane
Concen: 4.090 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY011223.D
Acq: 01 Nov 2022 15:42

Tgt Ion: 50 Resp: 508
Ion Ratio Lower Upper
50 100
52 25.7 24.6 37.0

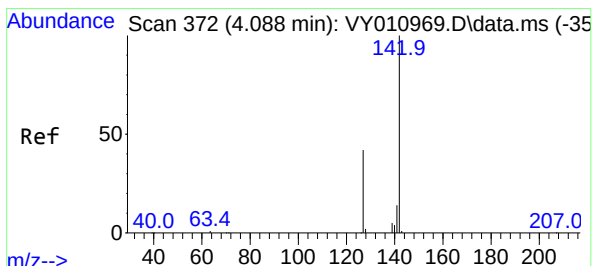
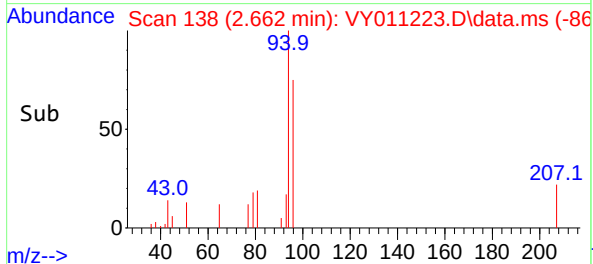
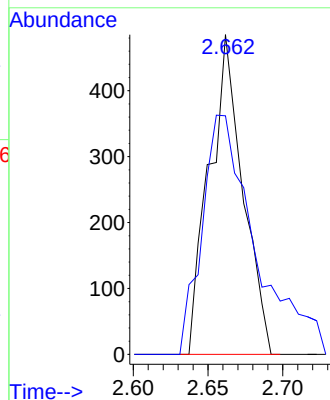
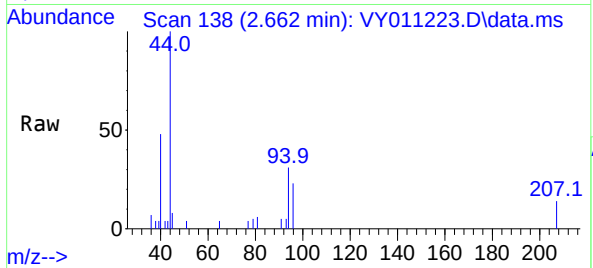




#5
Bromomethane
Concen: 8.168 ug/l
RT: 2.662 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY011223.D
Acq: 01 Nov 2022 15:42

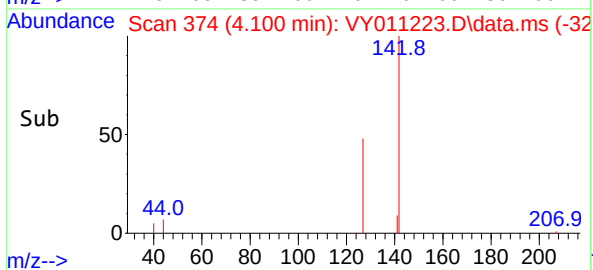
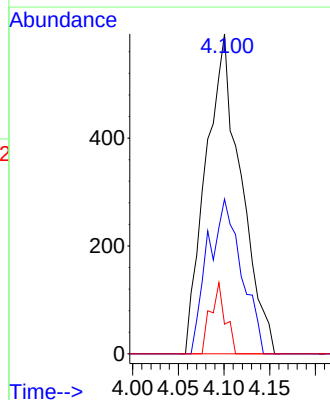
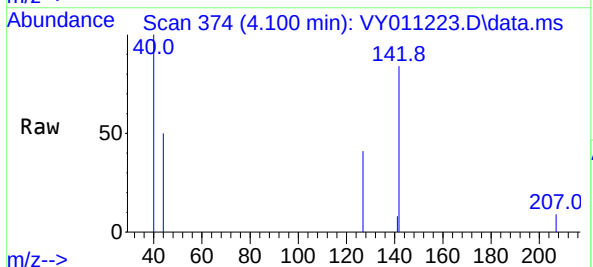
Instrument :
MSVOA_Y
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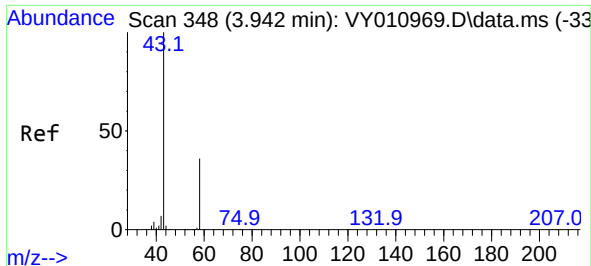
Tgt Ion: 94 Resp: 756
Ion Ratio Lower Upper
94 100
96 74.6 73.5 110.3



#10
Methyl Iodide
Concen: 9.986 ug/l
RT: 4.100 min Scan# 374
Delta R.T. 0.012 min
Lab File: VY011223.D
Acq: 01 Nov 2022 15:42

Tgt Ion: 142 Resp: 1584
Ion Ratio Lower Upper
142 100
127 46.2 41.5 62.3
141 9.3 11.9 17.9#

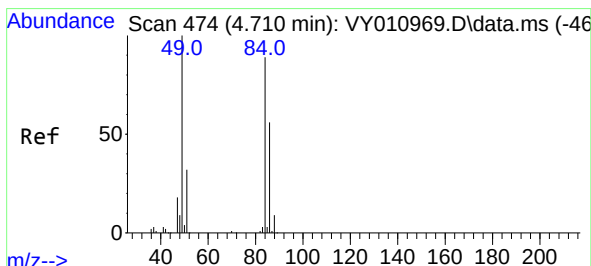
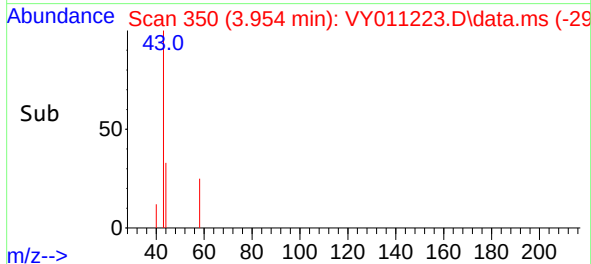
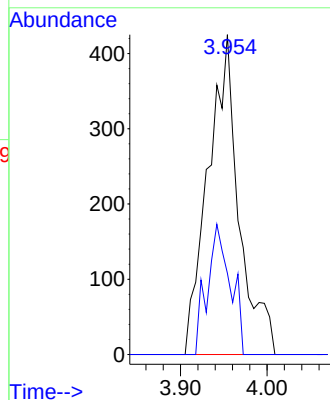
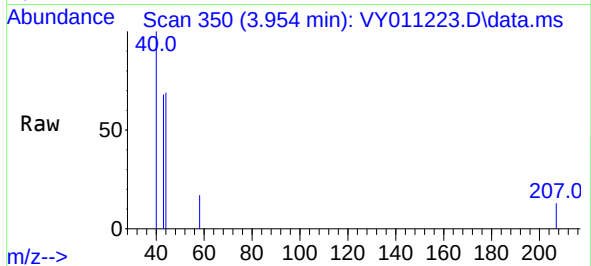




#16
Acetone
Concen: 29.150 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY011223.D
Acq: 01 Nov 2022 15:42

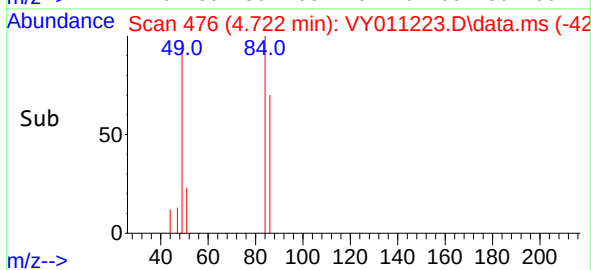
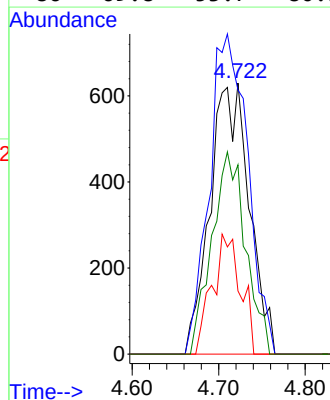
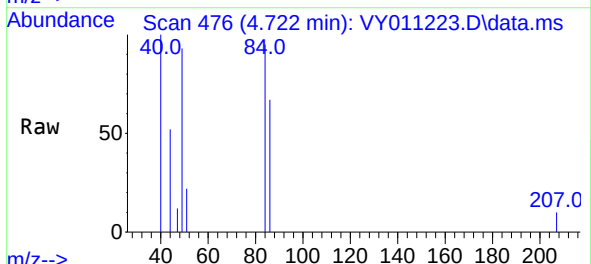
Instrument :
MSVOA_Y
ClientSampleId :
BBS-SOILCUT-1026RE

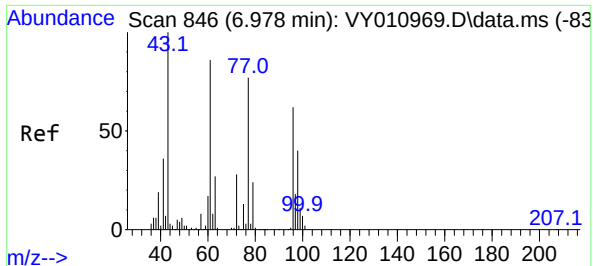
Tgt Ion: 43 Resp: 1054
Ion Ratio Lower Upper
43 100
58 25.4 22.0 33.0



#20
Methylene Chloride
Concen: 9.296 ug/l
RT: 4.722 min Scan# 476
Delta R.T. 0.012 min
Lab File: VY011223.D
Acq: 01 Nov 2022 15:42

Tgt Ion: 84 Resp: 1980
Ion Ratio Lower Upper
84 100
49 97.5 114.4 171.6#
51 23.3 35.3 52.9#
86 69.8 53.7 80.5

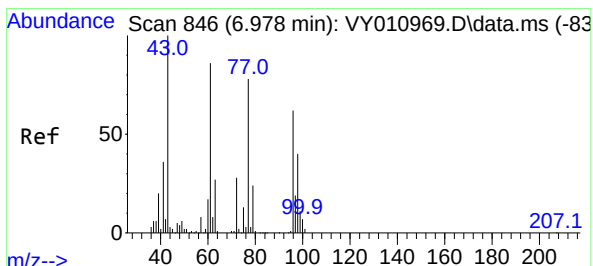
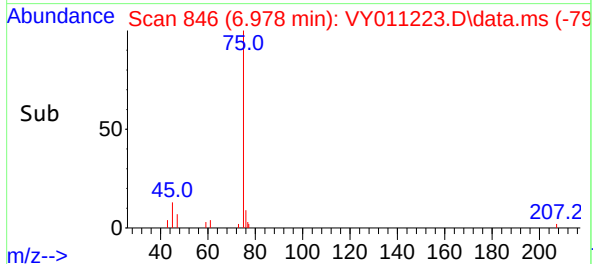
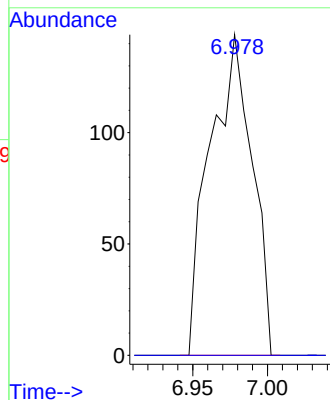
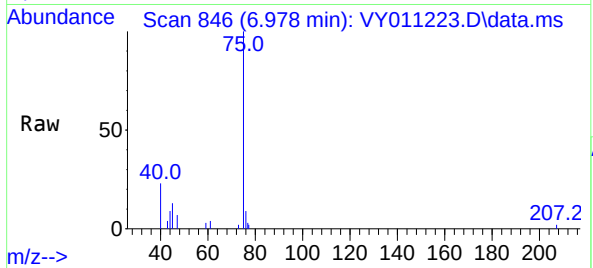




#25
2-Butanone
Concen: 5.563 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.000 min
Lab File: VY011223.D
Acq: 01 Nov 2022 15:42

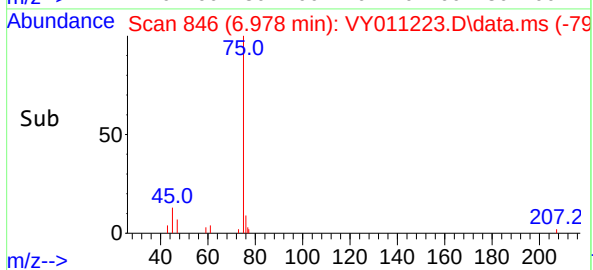
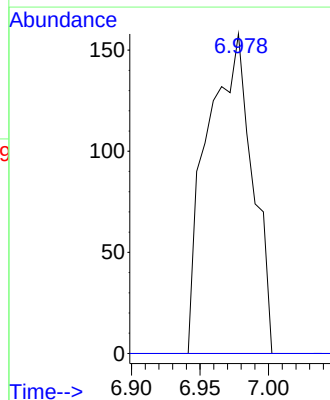
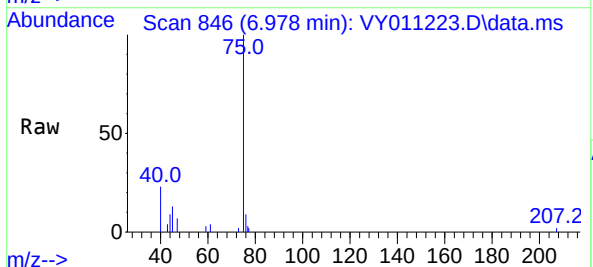
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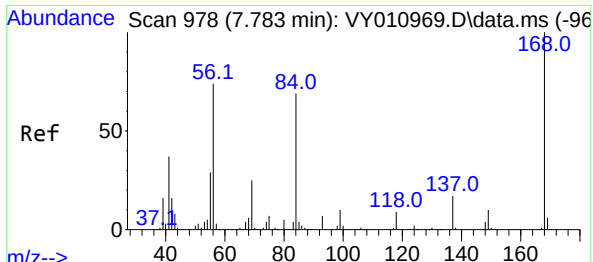
Tgt Ion: 43 Resp: 283
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#



#26
2,2-Dichloropropane
Concen: 1.652 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.000 min
Lab File: VY011223.D
Acq: 01 Nov 2022 15:42

Tgt Ion: 77 Resp: 362
Ion Ratio Lower Upper
77 100
97 0.0 10.4 31.4#

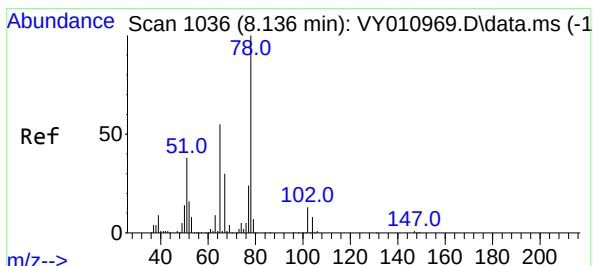
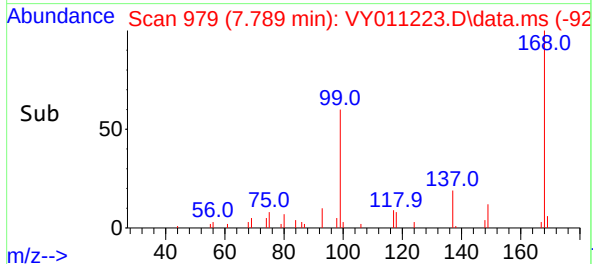
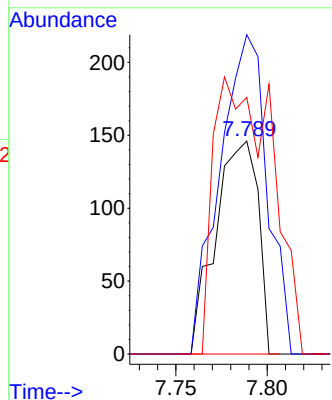
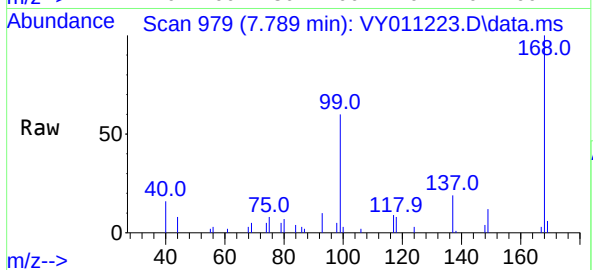




#31
Cyclohexane
Concen: 1.067 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011223.D
Acq: 01 Nov 2022 15:42

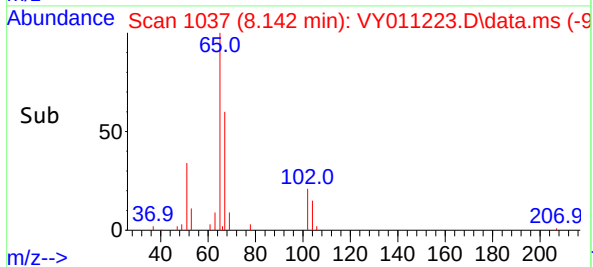
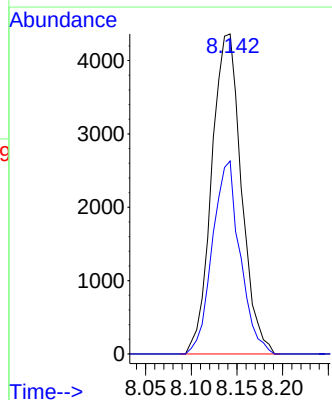
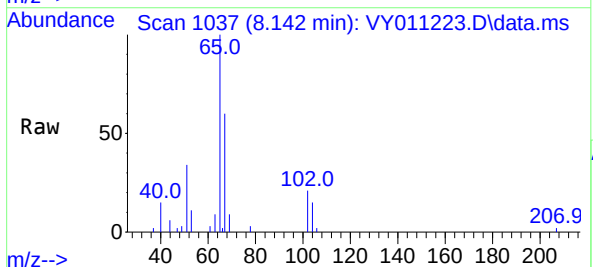
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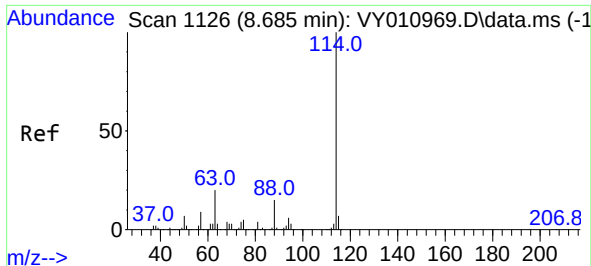
Tgt Ion: 56 Resp: 237
Ion Ratio Lower Upper
56 100
69 150.0 26.7 40.1#
84 120.5 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 82.298 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY011223.D
Acq: 01 Nov 2022 15:42

Tgt Ion: 65 Resp: 9858
Ion Ratio Lower Upper
65 100
67 56.2 0.0 99.4

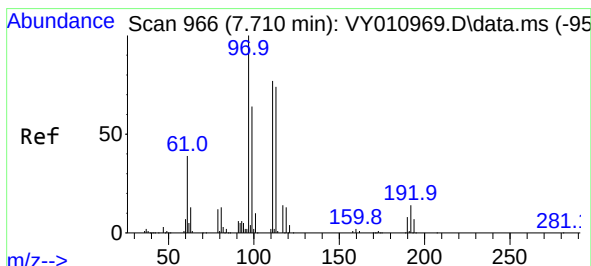
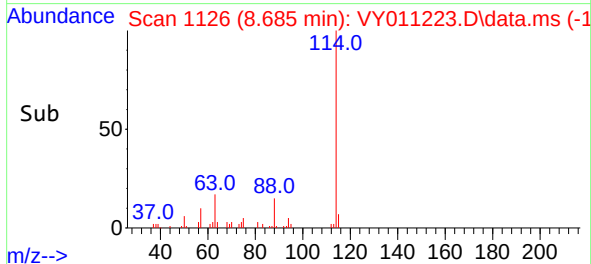
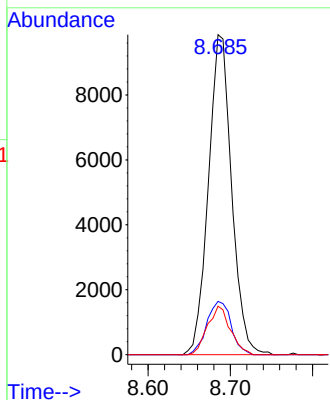
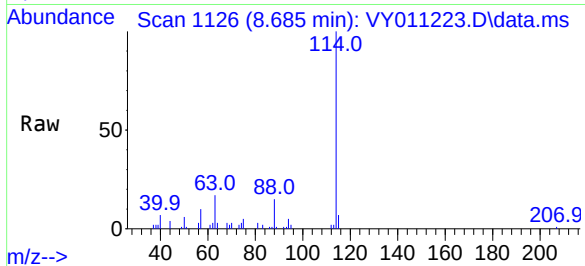




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VY011223.D
Acq: 01 Nov 2022 15:42

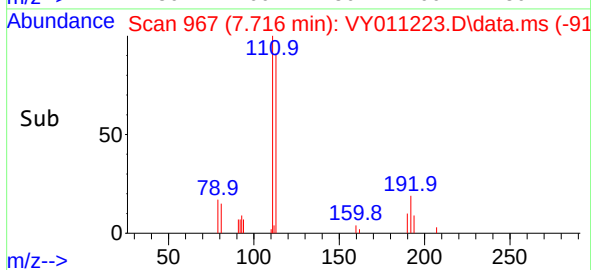
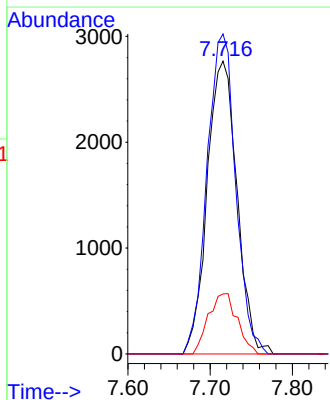
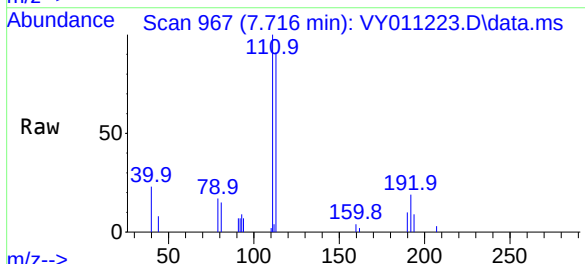
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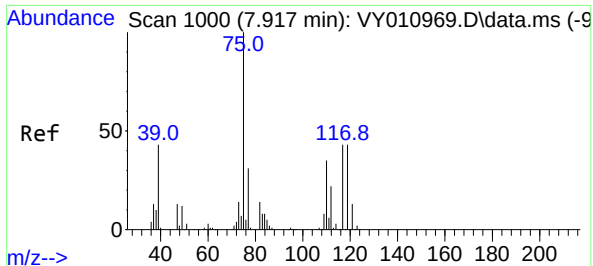
Tgt Ion:	114	Resp:	19291
Ion	Ratio	Lower	Upper
114	100		
63	16.6	0.0	43.2
88	15.1	0.0	31.8



#35
Dibromofluoromethane
Concen: 56.187 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.006 min
Lab File: VY011223.D
Acq: 01 Nov 2022 15:42

Tgt Ion:	113	Resp:	6964
Ion	Ratio	Lower	Upper
113	100		
111	105.1	82.6	124.0
192	19.9	17.6	26.4





#36

1,1-Dichloropropene

Concen: 4.106 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY011223.D

Acq: 01 Nov 2022 15:42

Instrument :

MSVOA_Y

ClientSampleId :

BBS-SOILCUT-1026RE

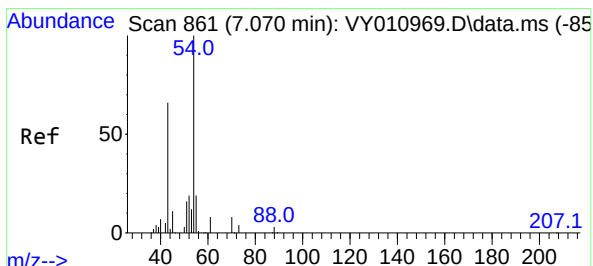
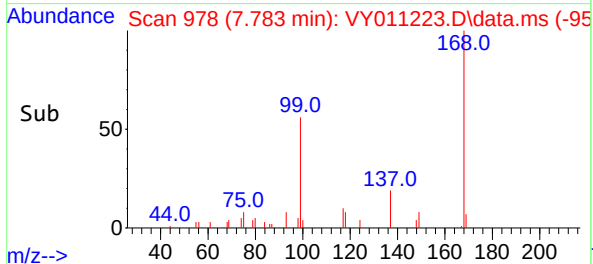
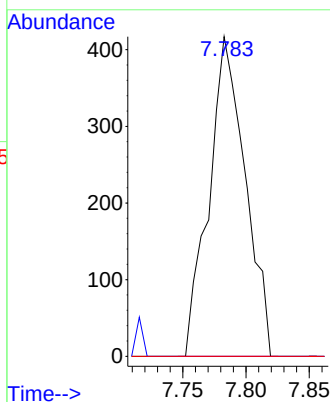
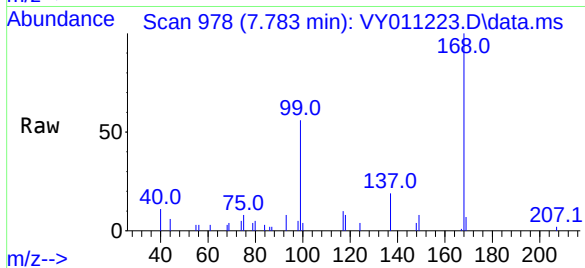
Tgt Ion: 75 Resp: 831

Ion Ratio Lower Upper

75 100

110 0.0 17.1 51.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 2.594 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.092 min

Lab File: VY011223.D

Acq: 01 Nov 2022 15:42

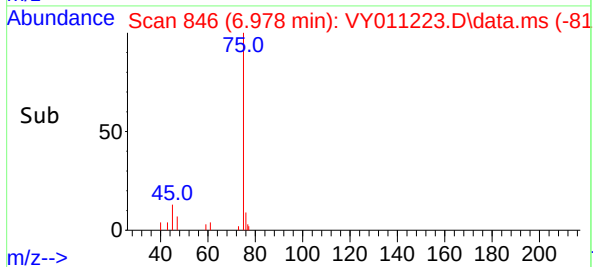
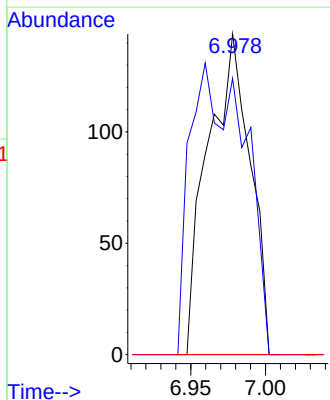
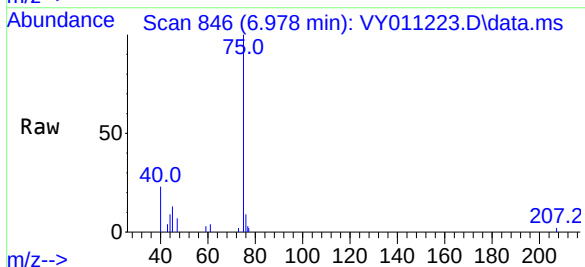
Tgt Ion: 43 Resp: 283

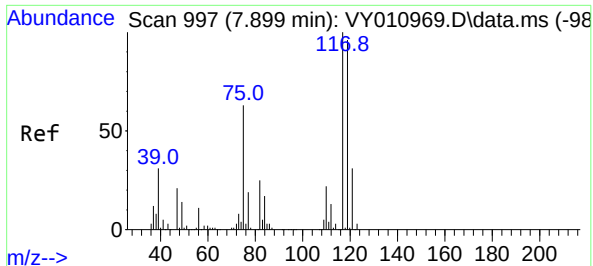
Ion Ratio Lower Upper

43 100

61 70.0 9.7 14.5#

70 0.0 7.1 10.7#

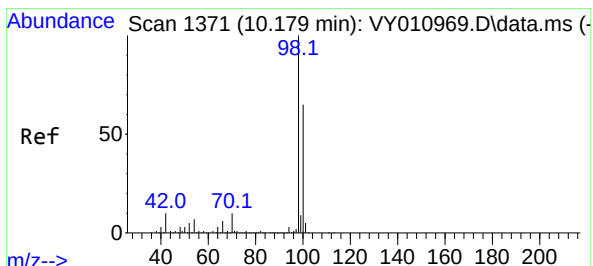
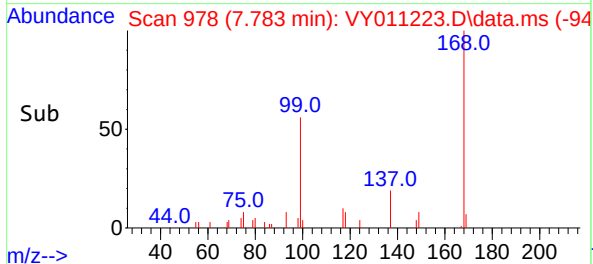
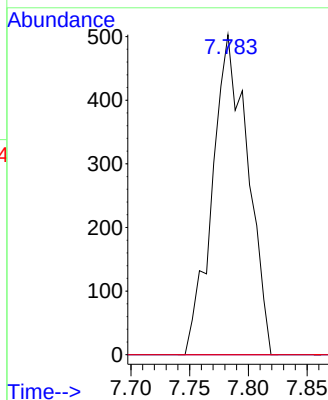
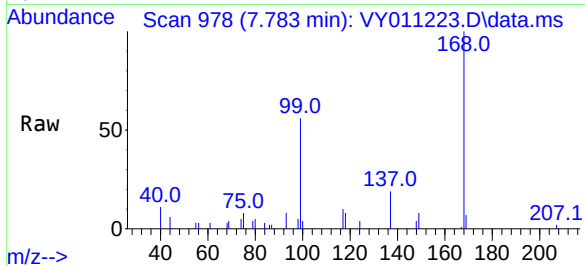




#38
Carbon Tetrachloride
Concen: 5.043 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011223.D
Acq: 01 Nov 2022 15:42

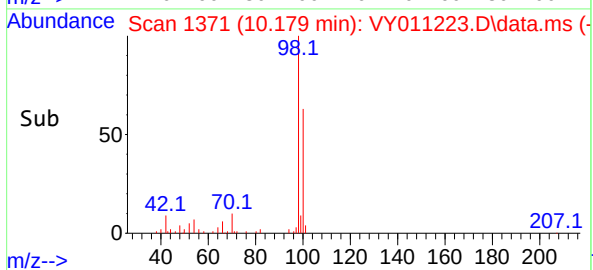
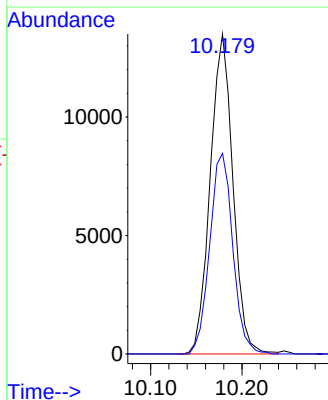
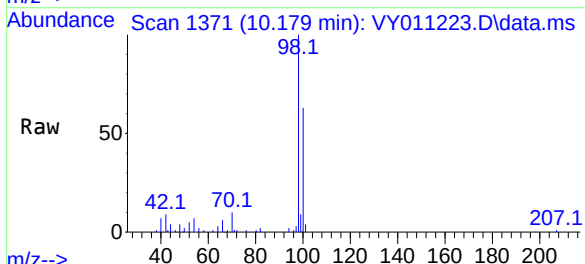
Instrument :
MSVOA_Y
ClientSampleId :
BBS-SOILCUT-1026RE

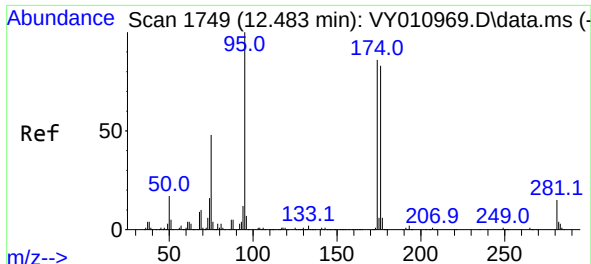
Tgt Ion:117 Resp: 1059
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 48.318 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011223.D
Acq: 01 Nov 2022 15:42

Tgt Ion: 98 Resp: 23252
Ion Ratio Lower Upper
98 100
100 63.8 50.2 75.2

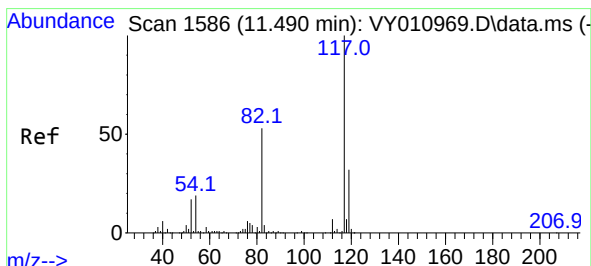
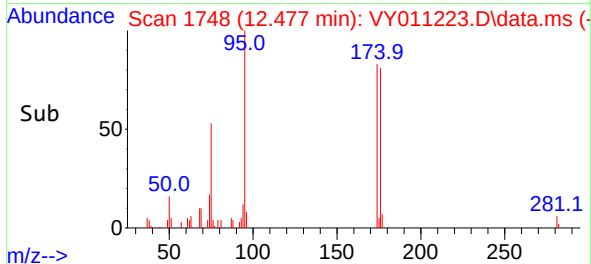
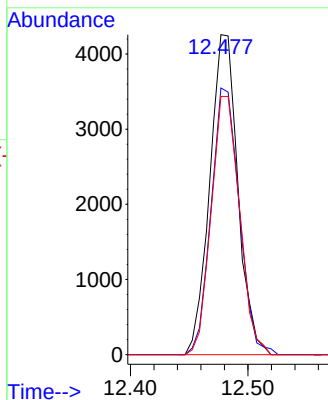
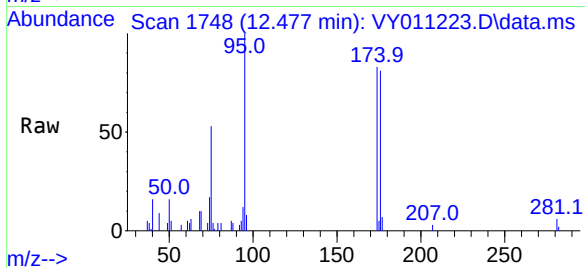




#62
4-Bromofluorobenzene
Concen: 42.356 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY011223.D
Acq: 01 Nov 2022 15:42

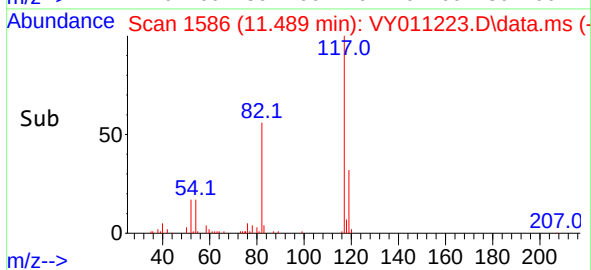
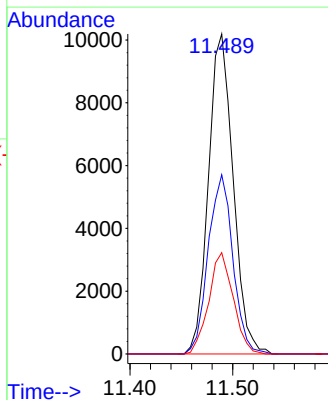
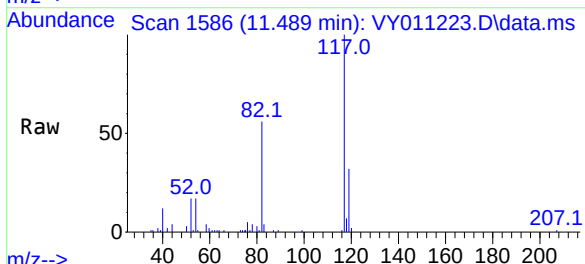
Instrument :
MSVOA_Y
ClientSampleId :
BBS-SOILCUT-1026RE

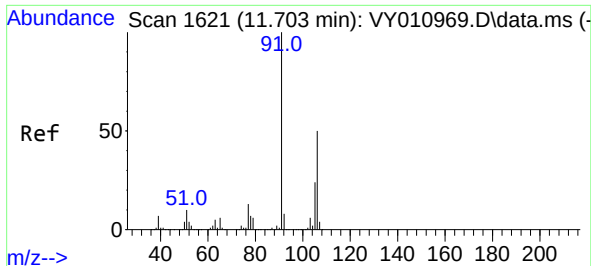
Tgt Ion:	95	Resp:	7076
Ion	Ratio	Lower	Upper
95	100		
174	83.6	0.0	177.0
176	81.4	0.0	175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY011223.D
Acq: 01 Nov 2022 15:42

Tgt Ion:	117	Resp:	17055
Ion	Ratio	Lower	Upper
117	100		
82	56.0	43.0	64.4
119	31.7	25.4	38.0

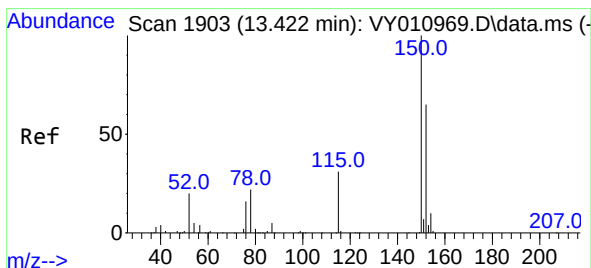
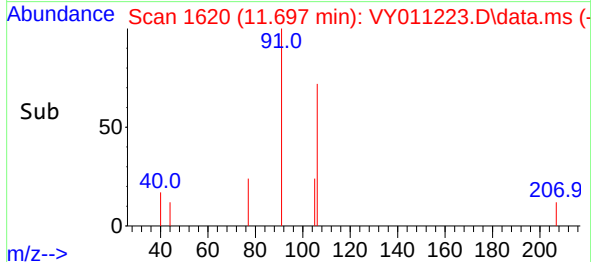
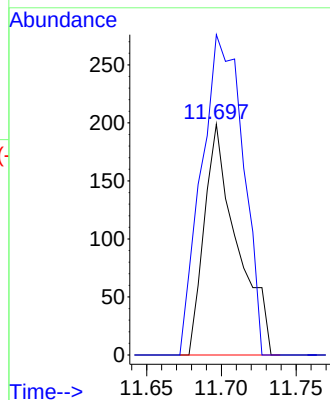
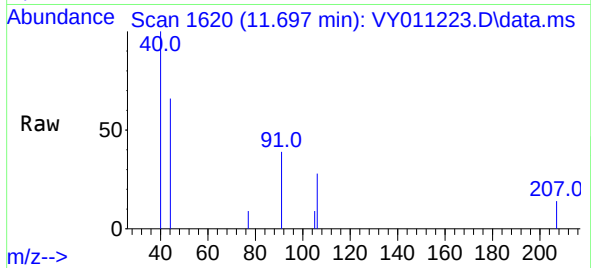




#68
m/p-Xylenes
Concen: 1.173 ug/l
RT: 11.697 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY011223.D
Acq: 01 Nov 2022 15:42

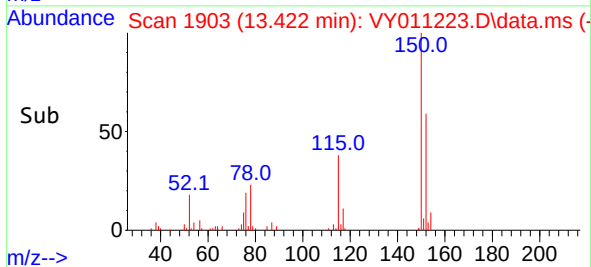
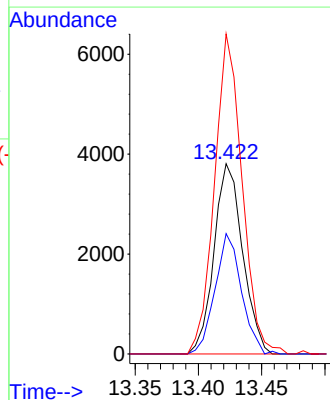
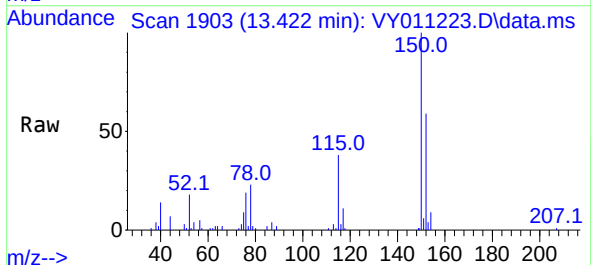
Instrument :
MSVOA_Y
ClientSampleId :
BBS-SOILCUT-1026RE

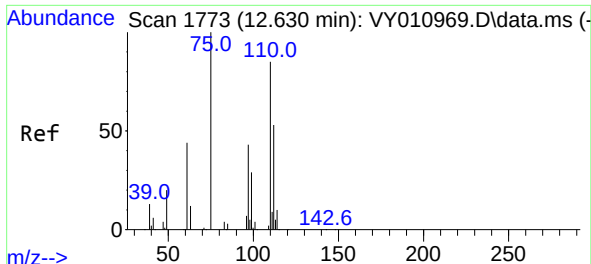
Tgt Ion:106 Resp: 304
Ion Ratio Lower Upper
106 100
91 175.3 166.6 249.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY011223.D
Acq: 01 Nov 2022 15:42

Tgt Ion:152 Resp: 5989
Ion Ratio Lower Upper
152 100
115 58.4 28.2 84.7
150 162.2 0.0 347.6

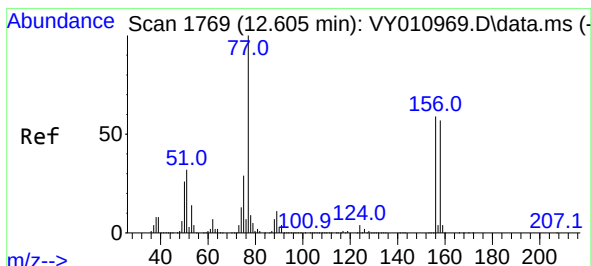
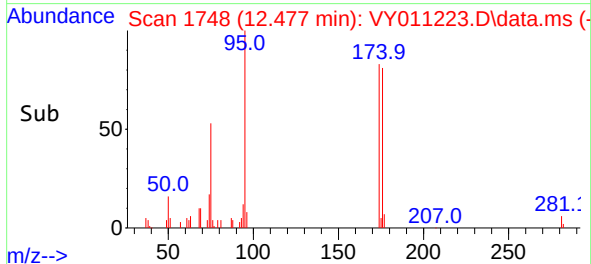
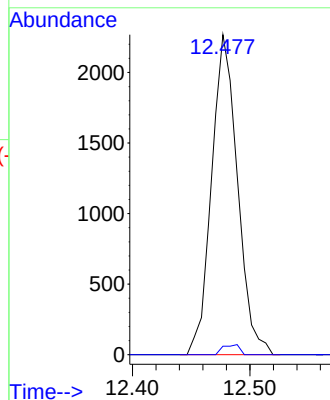
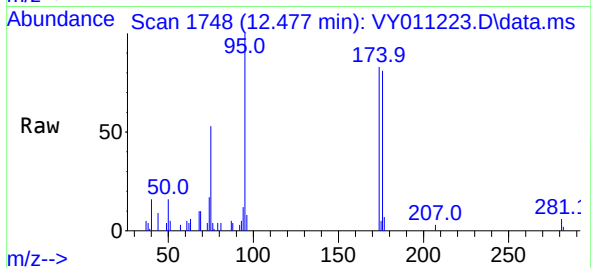




#76
1,2,3-Trichloropropane
Concen: 47.771 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.153 min
Lab File: VY011223.D
Acq: 01 Nov 2022 15:42

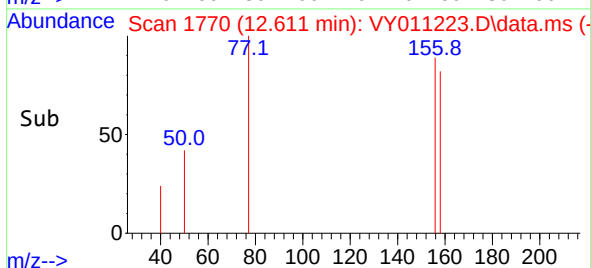
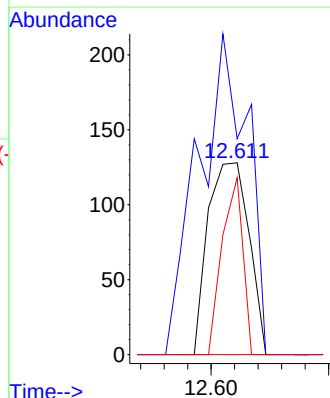
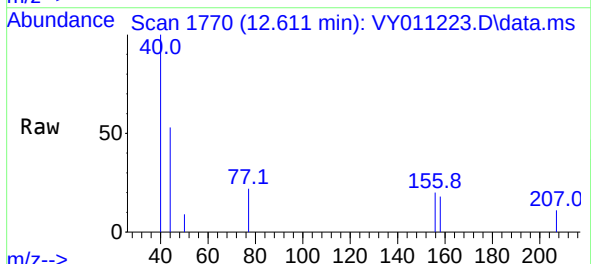
Instrument :
MSVOA_Y
ClientSampleId :
BBS-SOILCUT-1026RE

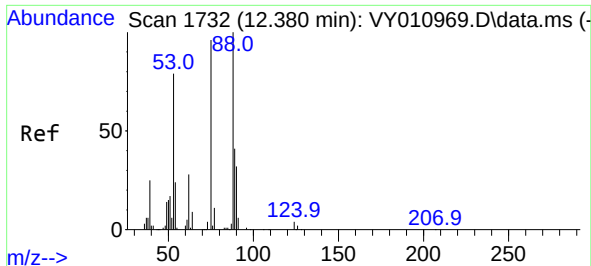
Tgt Ion: 75 Resp: 3483
Ion Ratio Lower Upper
75 100
77 2.0 0.0 0.0#



#77
Bromobenzene
Concen: 1.472 ug/l
RT: 12.611 min Scan# 1770
Delta R.T. 0.006 min
Lab File: VY011223.D
Acq: 01 Nov 2022 15:42

Tgt Ion: 156 Resp: 155
Ion Ratio Lower Upper
156 100
77 200.0 95.5 286.4
158 46.5 48.0 144.0#

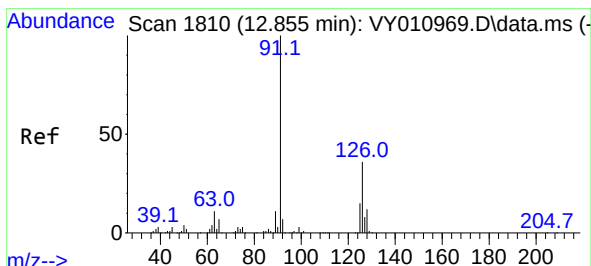
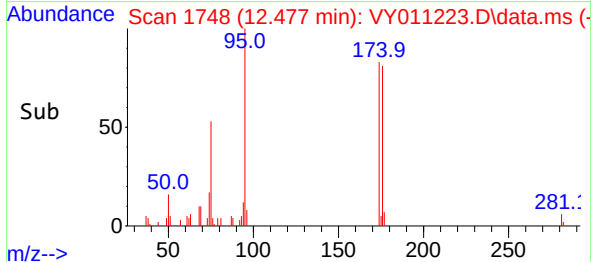
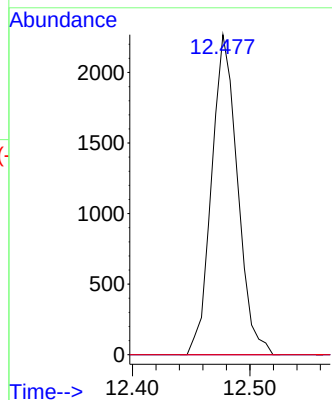
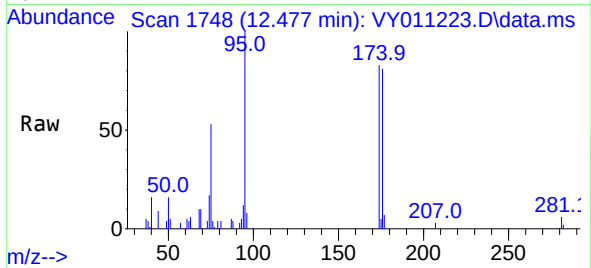




#81
trans-1,4-Dichloro-2-butene
Concen: 102.235 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY011223.D
Acq: 01 Nov 2022 15:42

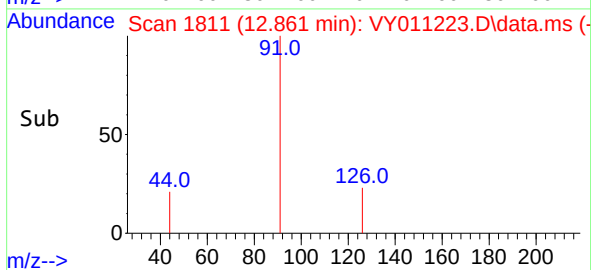
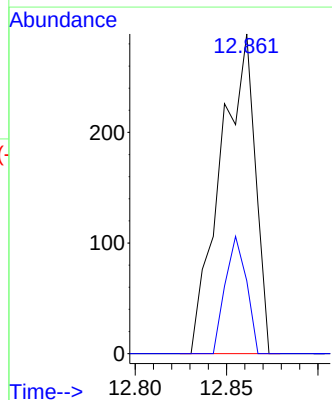
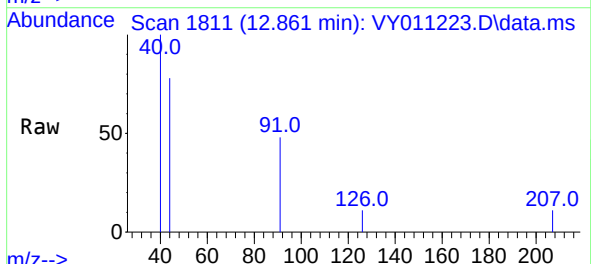
Instrument :
MSVOA_Y
ClientSampleId :
BBS-SOILCUT-1026RE

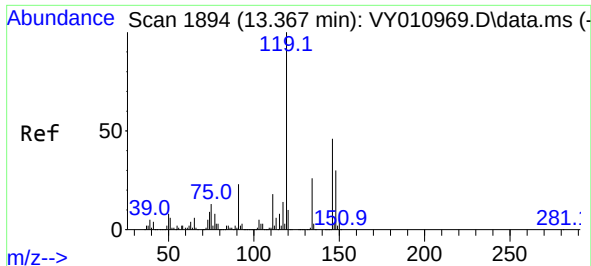
Tgt Ion: 75 Resp: 3483
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#



#82
4-Chlorotoluene
Concen: 1.175 ug/l
RT: 12.861 min Scan# 1811
Delta R.T. 0.006 min
Lab File: VY011223.D
Acq: 01 Nov 2022 15:42

Tgt Ion: 91 Resp: 380
Ion Ratio Lower Upper
91 100
126 22.4 17.0 51.0





#87

1,3-Dichlorobenzene

Concen: 1.667 ug/l

RT: 13.361 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY011223.D

Acq: 01 Nov 2022 15:42

Instrument :

MSVOA_Y

ClientSampleId :

BBS-SOILCUT-1026RE

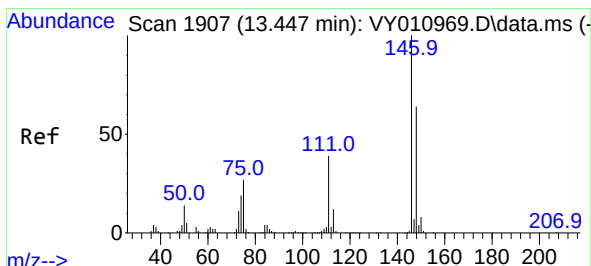
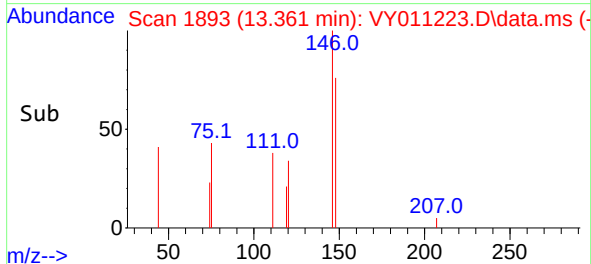
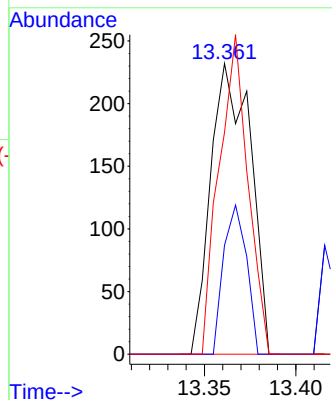
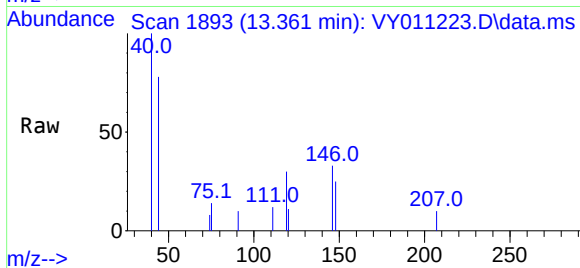
Tgt Ion:146 Resp: 352

Ion Ratio Lower Upper

146 100

111 29.5 19.5 58.5

148 79.5 31.6 95.0



#88

1,4-Dichlorobenzene

Concen: 2.582 ug/l

RT: 13.440 min Scan# 1906

Delta R.T. -0.007 min

Lab File: VY011223.D

Acq: 01 Nov 2022 15:42

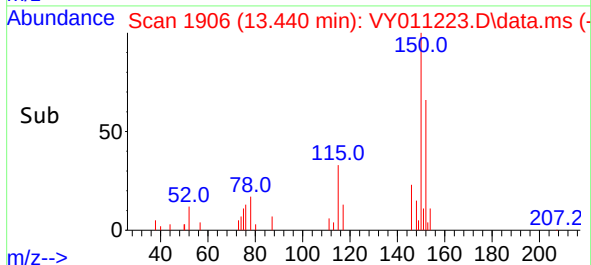
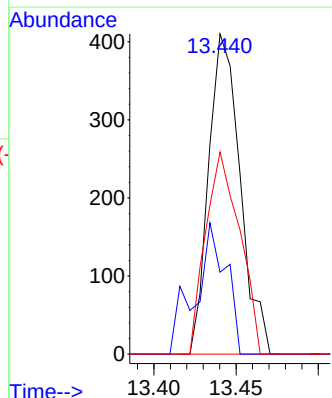
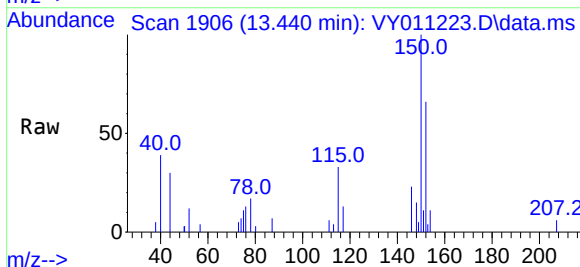
Tgt Ion:146 Resp: 547

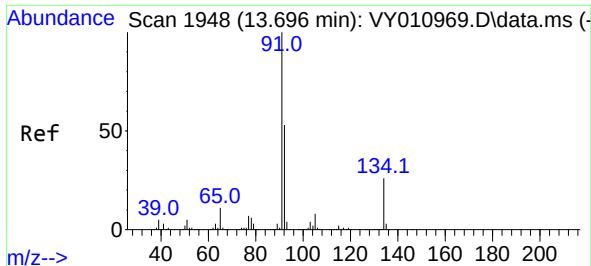
Ion Ratio Lower Upper

146 100

111 40.0 19.3 57.8

148 68.2 32.6 97.8





#89

n-Butylbenzene

Concen: 1.091 ug/l

RT: 13.690 min Scan# 1948

Delta R.T. -0.006 min

Lab File: VY011223.D

Acq: 01 Nov 2022 15:42

Instrument :

MSVOA_Y

ClientSampleId :

BBS-SOILCUT-1026RE

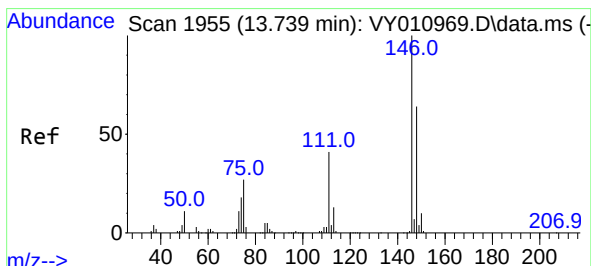
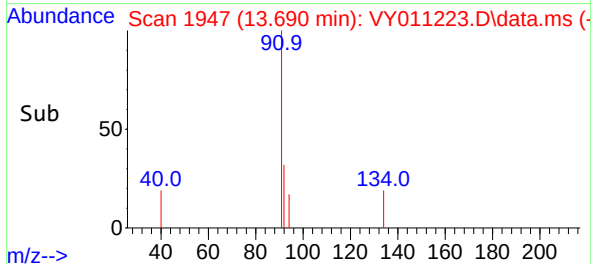
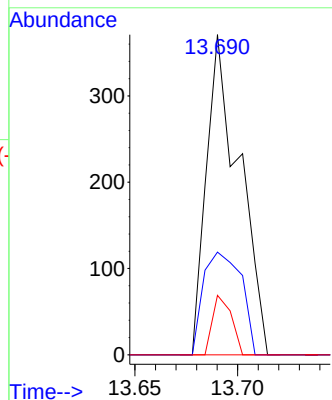
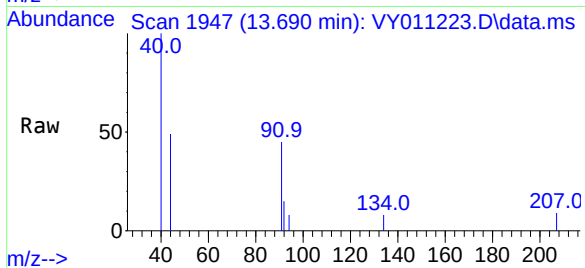
Tgt Ion: 91 Resp: 411

Ion Ratio Lower Upper

91 100

92 37.0 26.3 78.9

134 10.7 13.0 38.9#



#91

1,2-Dichlorobenzene

Concen: 2.301 ug/l

RT: 13.739 min Scan# 1955

Delta R.T. -0.000 min

Lab File: VY011223.D

Acq: 01 Nov 2022 15:42

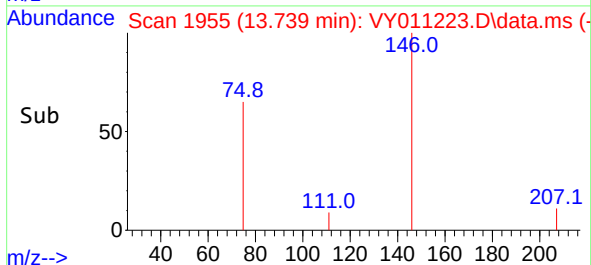
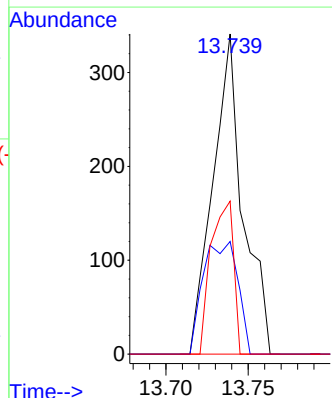
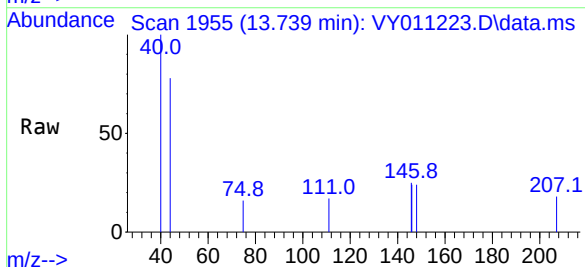
Tgt Ion:146 Resp: 434

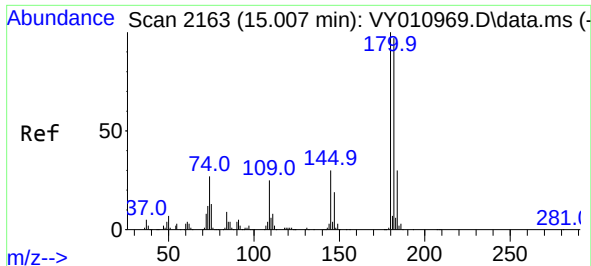
Ion Ratio Lower Upper

146 100

111 40.6 20.3 60.9

148 35.7 32.3 96.9

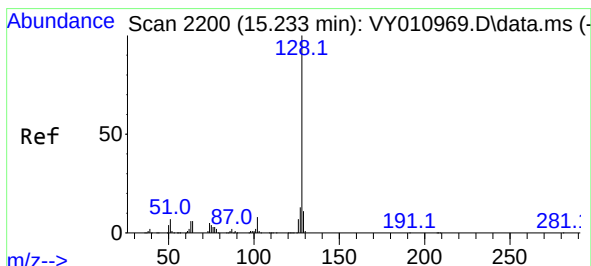
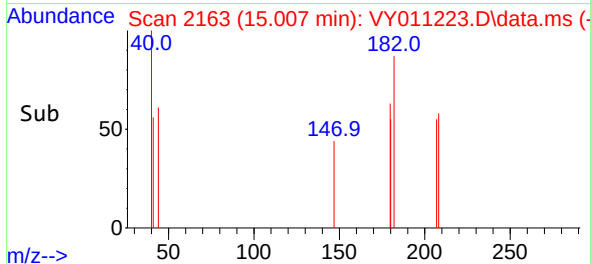
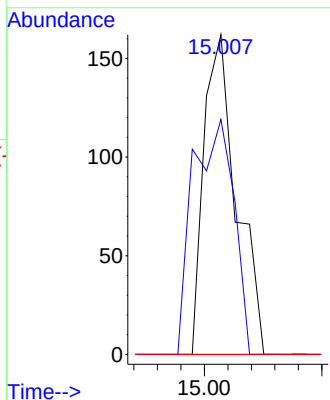
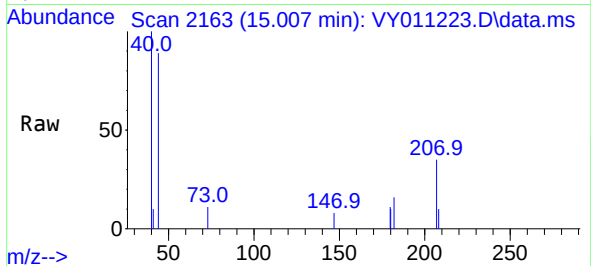




#93
1,2,4-Trichlorobenzene
Concen: 1.368 ug/l
RT: 15.007 min Scan# 2163
Delta R.T. 0.000 min
Lab File: VY011223.D
Acq: 01 Nov 2022 15:42

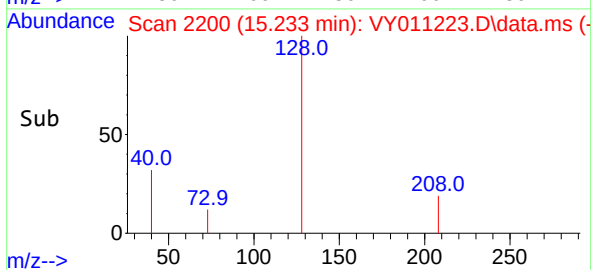
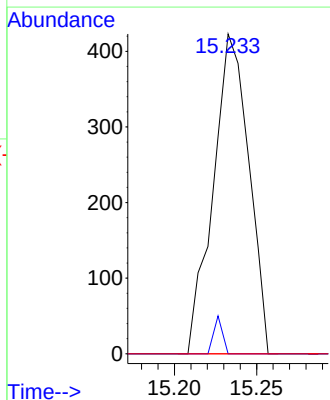
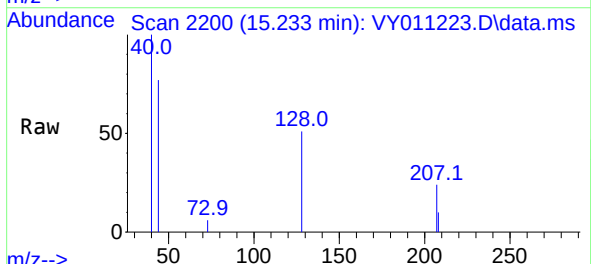
Instrument :
MSVOA_Y
ClientSampleId :
BBS-SOILCUT-1026RE

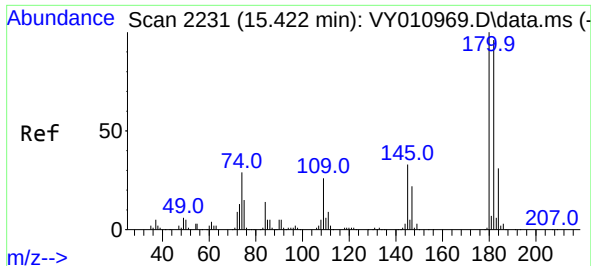
Tgt Ion:	180	Resp:	156
Ion	Ratio	Lower	Upper
180	100		
182	92.3	47.3	141.9
145	0.0	14.6	43.8#



#95
Naphthalene
Concen: 6.175 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY011223.D
Acq: 01 Nov 2022 15:42

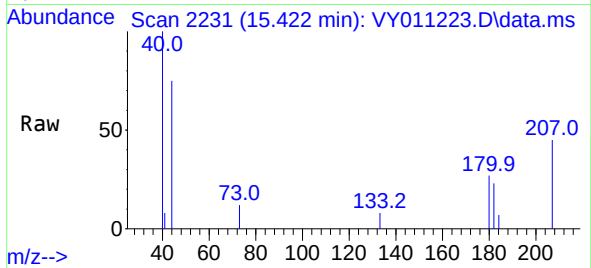
Tgt Ion:	128	Resp:	639
Ion	Ratio	Lower	Upper
128	100		
127	2.8	11.0	16.4#
129	0.0	8.4	12.6#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.996 ug/l
 RT: 15.422 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VY011223.D
 Acq: 01 Nov 2022 15:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 BBS-SOILCUT-1026RE



Tgt Ion:180 Resp: 200
 Ion Ratio Lower Upper
 180 100
 182 86.5 47.3 141.9
 145 0.0 15.3 45.9#

