

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062521\
 Data File : VY005226.D
 Acq On : 25 Jun 2021 14:54
 Operator : SY/MD
 Sample : M2859-02
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PILE-2-062421

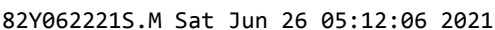
Quant Time: Jun 26 05:11:58 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062221S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 23 07:57:52 2021
 Response via : Initial Calibration

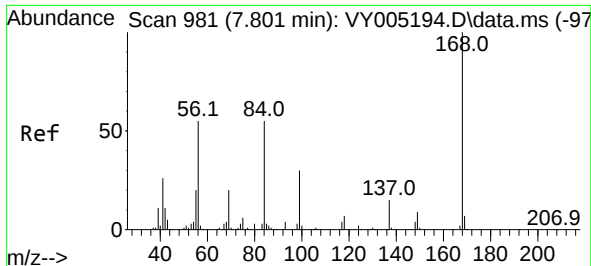
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.801	168	253215	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	420119	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	403621	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	180387	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	127176	60.522	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 121.040%			
35) Dibromofluoromethane	7.728	113	128174	51.732	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.460%			
50) Toluene-d8	10.185	98	509677	51.439	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.880%			
62) 4-Bromofluorobenzene	12.483	95	173645	52.592	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 105.180%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.948	59	1842	Below Cal	#	77
16) Acetone	3.960	43	5190	10.691	ug/l	92
20) Methylene Chloride	4.729	84	10433	Below Cal		99
36) 1,1-Dichloropropene	7.801	75	15310	4.138	ug/l #	48
38) Carbon Tetrachloride	7.801	117	21057	5.437	ug/l #	16
59) 2-Hexanone	10.801	43	2983	2.363	ug/l #	25
74) N-amyl acetate	12.124	43	18900	6.826	ug/l #	54
75) 1,1,2,2-Tetrachloroethane	12.550	83	6219	2.698	ug/l #	41
76) 1,2,3-Trichloropropane	12.483	75	81939	51.217	ug/l #	100
77) Bromobenzene	12.434	156	73251	23.594	ug/l #	1
79) 2-Chlorotoluene	12.812	91	8500	1.092	ug/l	70
80) 1,3,5-Trimethylbenzene	12.812	105	78098	8.069	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.483	75	81939	95.560	ug/l #	19
82) 4-Chlorotoluene	12.812	91	8672	1.077	ug/l	70
84) 1,2,4-Trimethylbenzene	13.123	105	34329	3.588	ug/l	94
85) sec-Butylbenzene	13.258	105	23033	1.835	ug/l	93
86) p-Isopropyltoluene	13.373	119	38371	3.543	ug/l	98
89) n-Butylbenzene	13.666	91	45843	4.818	ug/l #	1
90) Hexachloroethane	13.977	117	20200	10.324	ug/l #	1
92) 1,2-Dibromo-3-Chloropr...	14.379	75	1651	4.299	ug/l #	24
93) 1,2,4-Trichlorobenzene	15.050	180	24851	6.710	ug/l #	1
95) Naphthalene	15.239	128	165583	24.225	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.446	180	30625	9.390	ug/l #	1

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

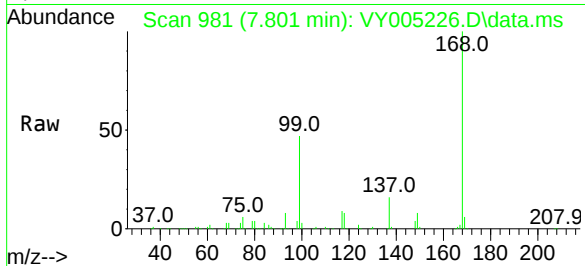
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062221S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 23 07:57:52 2021
Response via : Initial Calibration



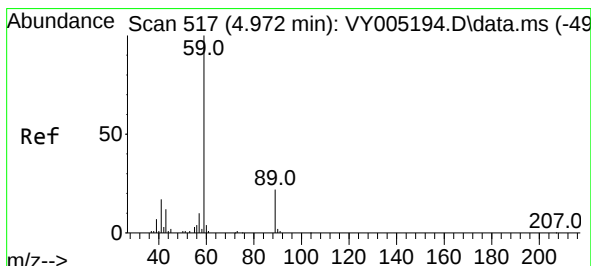
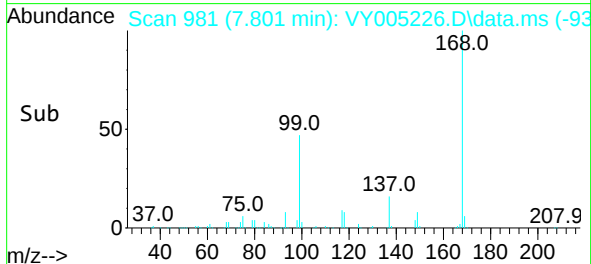
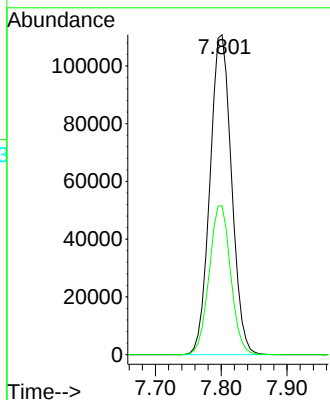


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY005226.D
Acq: 25 Jun 2021 14:54

Instrument :
MSVOA_Y
ClientSampleId :
PILE-2-062421

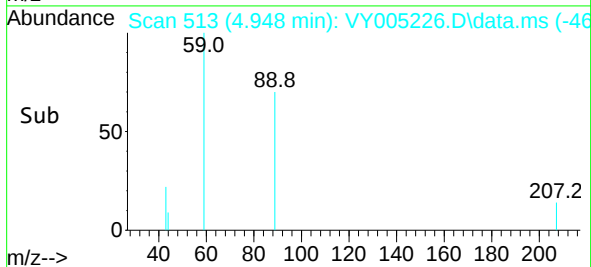
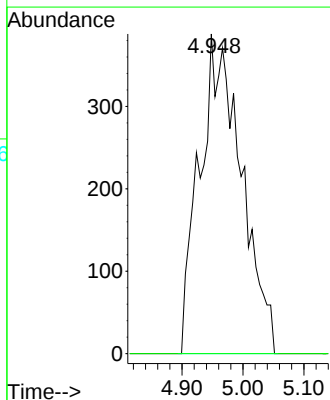
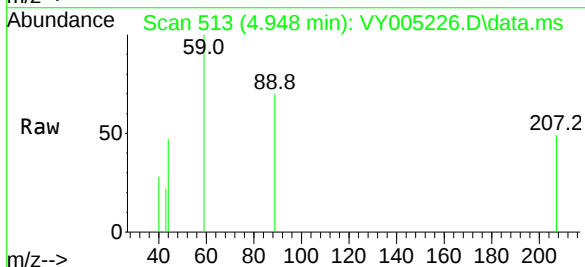


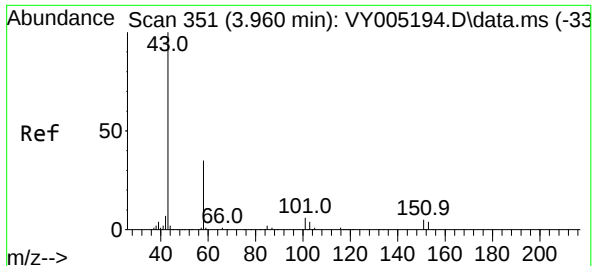
Tgt Ion:168 Resp: 253215
Ion Ratio Lower Upper
168 100
99 46.6 36.2 54.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. -0.024 min
Lab File: VY005226.D
Acq: 25 Jun 2021 14:54

Tgt Ion: 59 Resp: 1842
Ion Ratio Lower Upper
59 100
57 0.0 6.5 9.7#





#16

Acetone

Concen: 10.691 ug/l

RT: 3.960 min Scan# 351

Delta R.T. 0.000 min

Lab File: VY005226.D

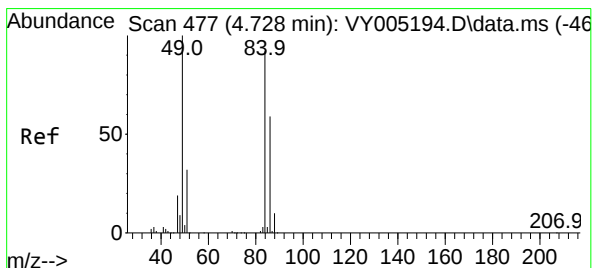
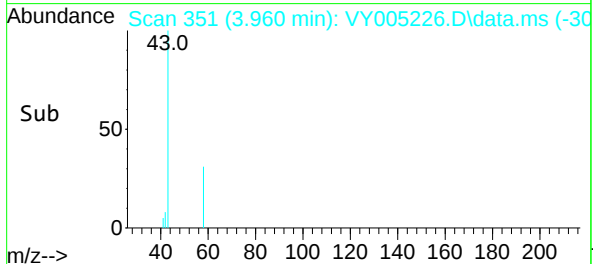
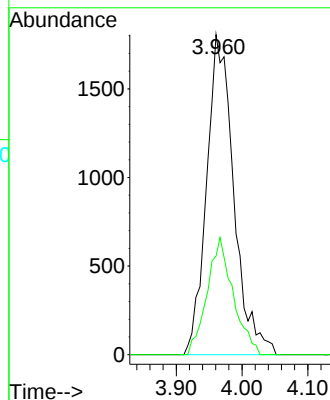
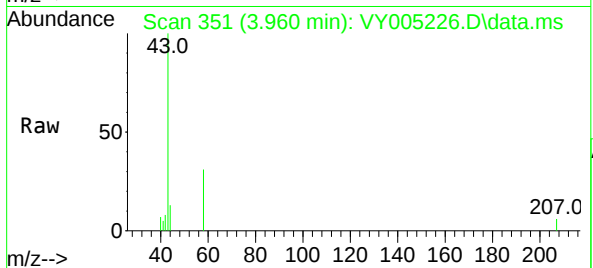
Acq: 25 Jun 2021 14:54

Tgt Ion: 43 Resp: 5190

Ion Ratio Lower Upper

43 100

58 30.8 28.2 42.2



#20

Methylene Chloride

Concen: Below Cal

RT: 4.729 min Scan# 477

Delta R.T. 0.001 min

Lab File: VY005226.D

Acq: 25 Jun 2021 14:54

Tgt Ion: 84 Resp: 10433

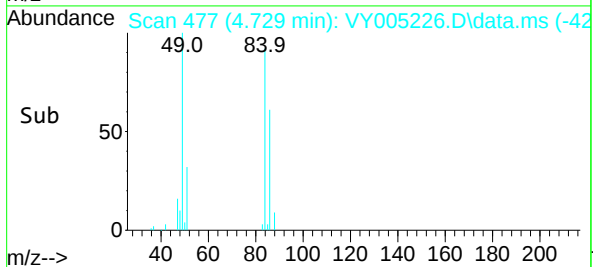
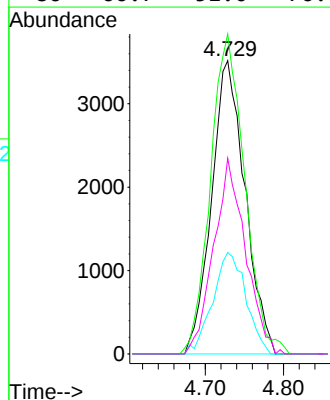
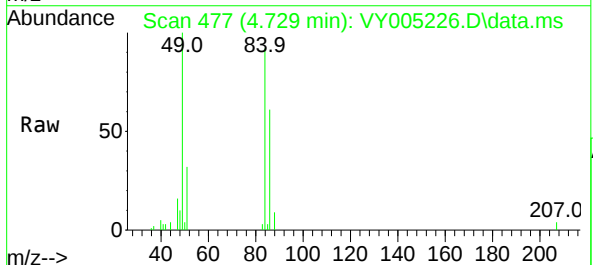
Ion Ratio Lower Upper

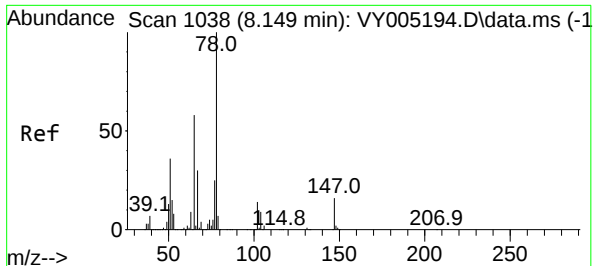
84 100

49 109.1 86.9 130.3

51 34.6 27.4 41.2

86 66.7 51.0 76.6

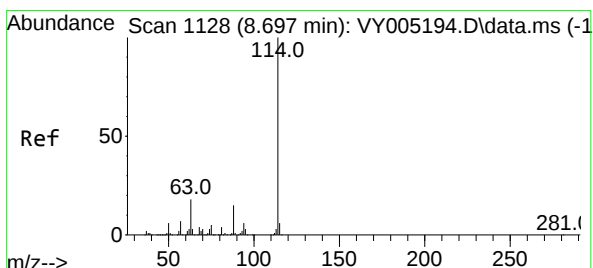
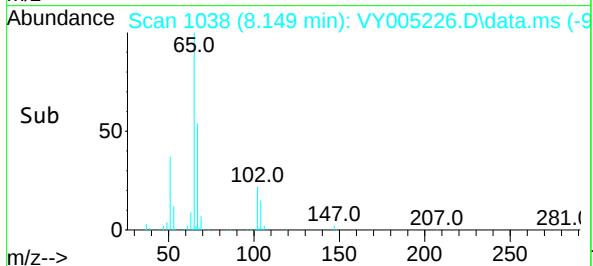
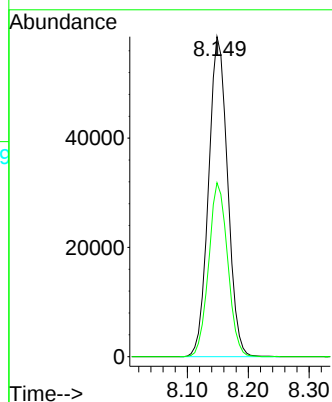
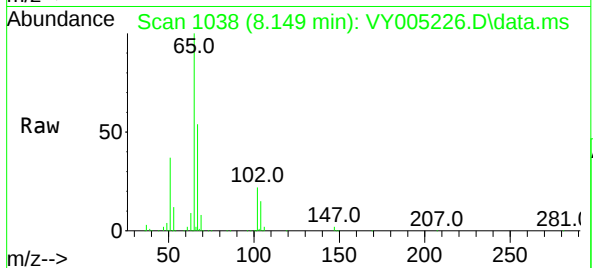




#33
1,2-Dichloroethane-d4
Concen: 60.522 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY005226.D
Acq: 25 Jun 2021 14:54

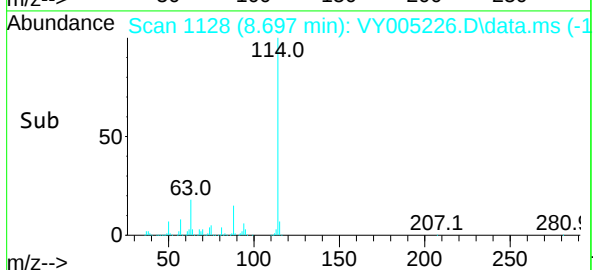
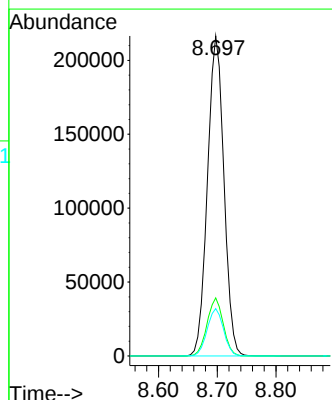
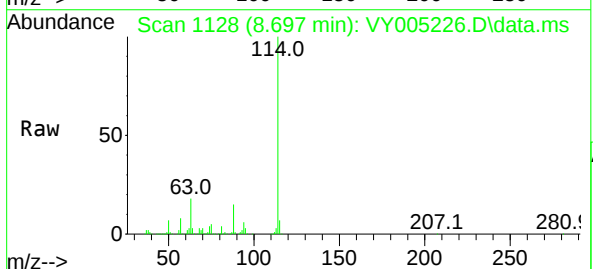
Instrument :
MSVOA_Y
ClientSampleId :
PILE-2-062421

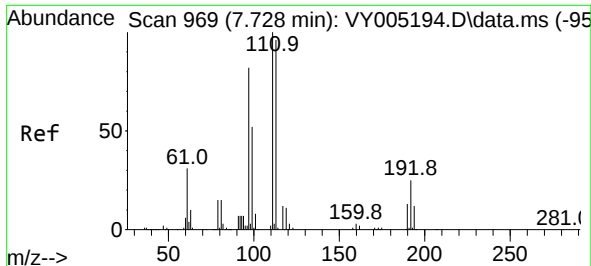
Tgt Ion: 65 Resp: 127176
Ion Ratio Lower Upper
65 100
67 54.2 0.0 110.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY005226.D
Acq: 25 Jun 2021 14:54

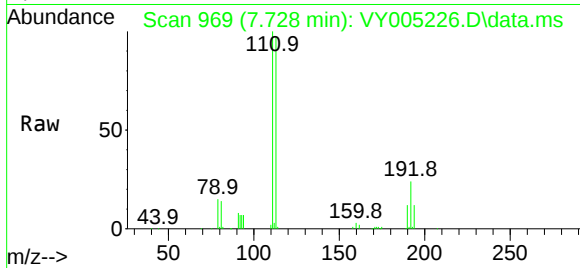
Tgt Ion: 114 Resp: 420119
Ion Ratio Lower Upper
114 100
63 18.1 0.0 35.2
88 14.8 0.0 29.4



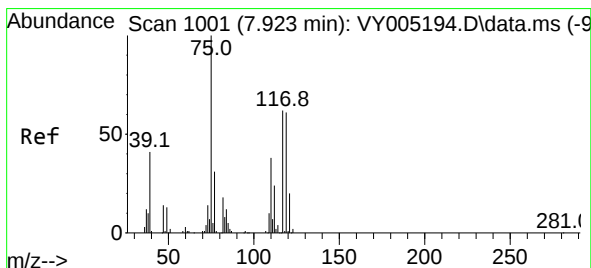
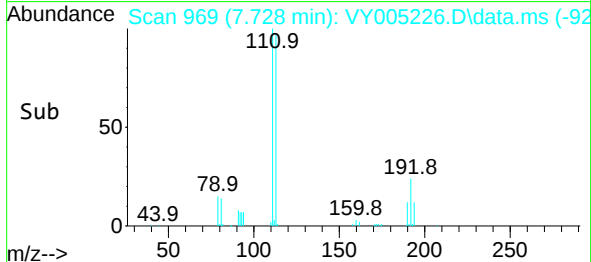
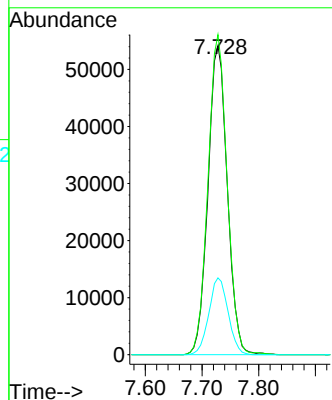


#35
Dibromofluoromethane
Concen: 51.732 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY005226.D
Acq: 25 Jun 2021 14:54

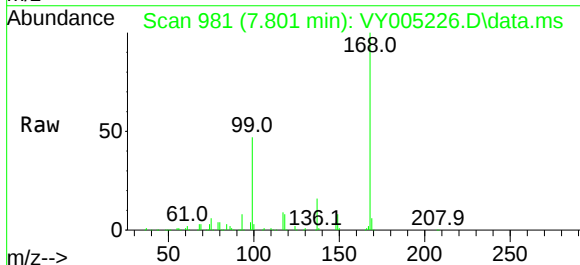
Instrument :
MSVOA_Y
ClientSampleId :
PILE-2-062421



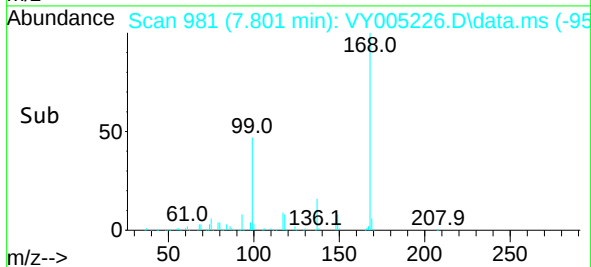
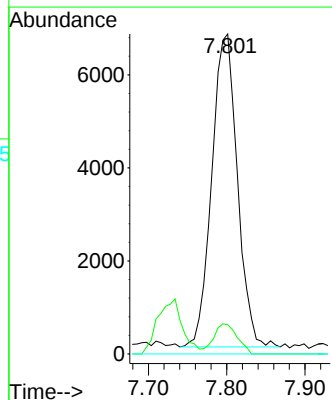
Tgt Ion:113 Resp: 128174
Ion Ratio Lower Upper
113 100
111 102.7 82.6 124.0
192 24.7 20.2 30.2

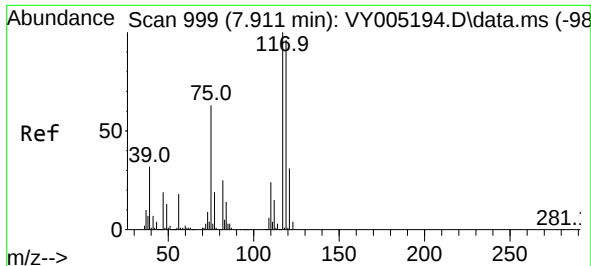


#36
1,1-Dichloropropene
Concen: 4.138 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY005226.D
Acq: 25 Jun 2021 14:54



Tgt Ion: 75 Resp: 15310
Ion Ratio Lower Upper
75 100
110 8.9 19.1 57.5#
77 0.0 25.2 37.8#

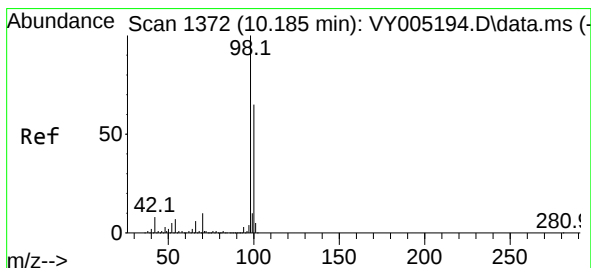
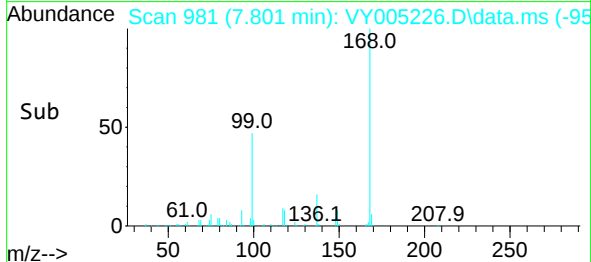
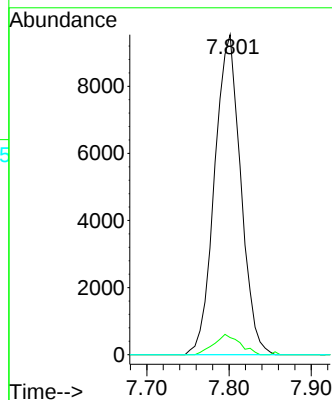
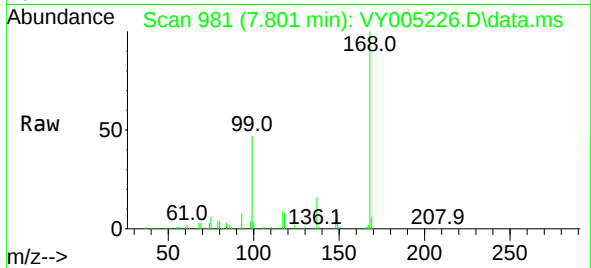




#38
Carbon Tetrachloride
Concen: 5.437 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY005226.D
Acq: 25 Jun 2021 14:54

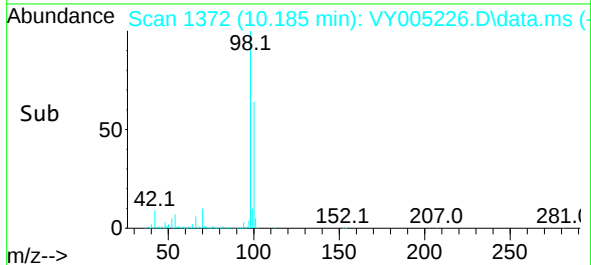
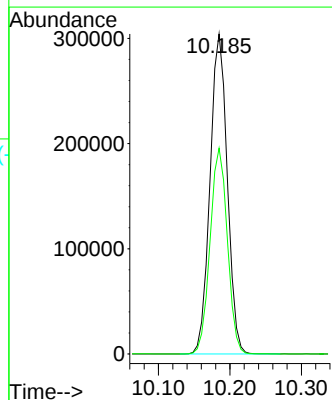
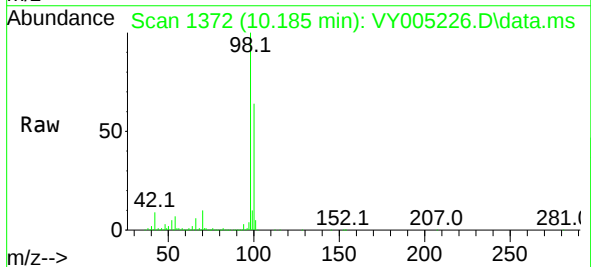
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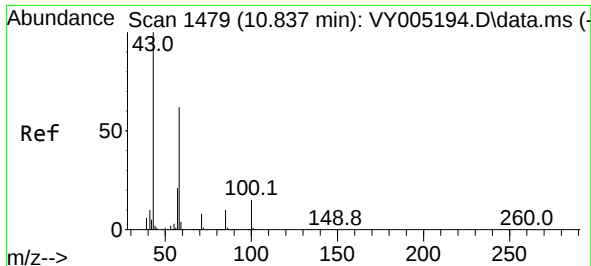
Tgt Ion:117 Resp: 21057
Ion Ratio Lower Upper
117 100
119 5.3 76.2 114.4#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 51.439 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY005226.D
Acq: 25 Jun 2021 14:54

Tgt Ion: 98 Resp: 509677
Ion Ratio Lower Upper
98 100
100 64.4 51.9 77.9

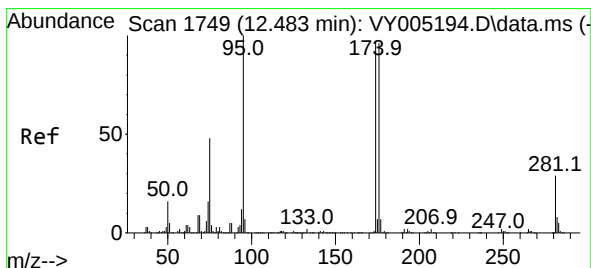
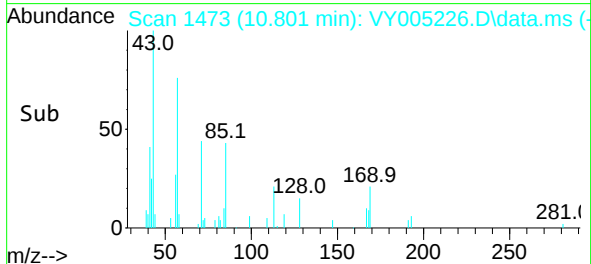
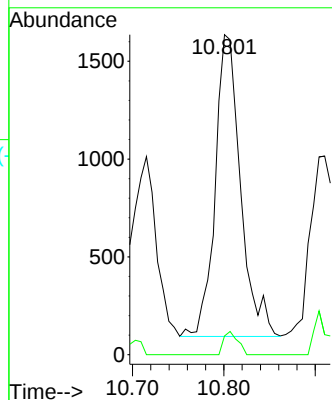
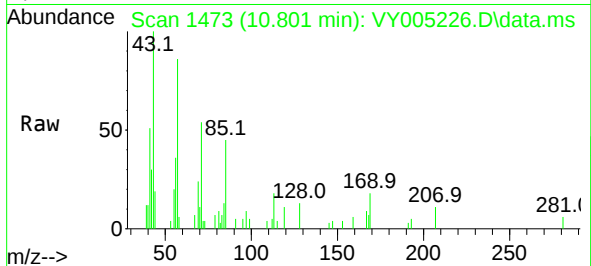




#59
2-Hexanone
Concen: 2.363 ug/l
RT: 10.801 min Scan# 1473
Delta R.T. -0.037 min
Lab File: VY005226.D
Acq: 25 Jun 2021 14:54

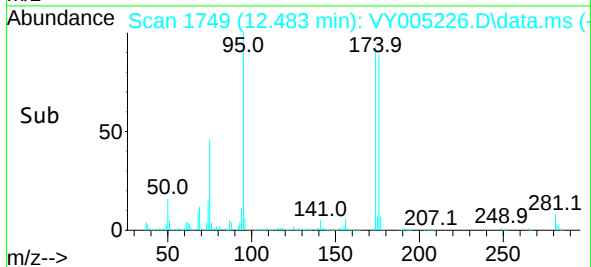
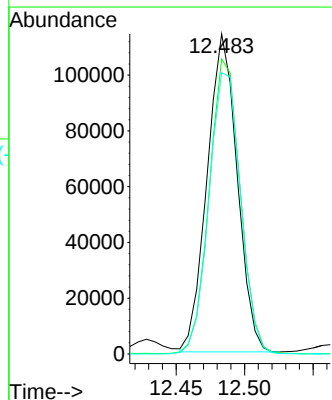
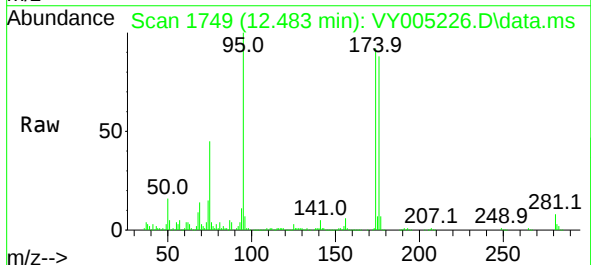
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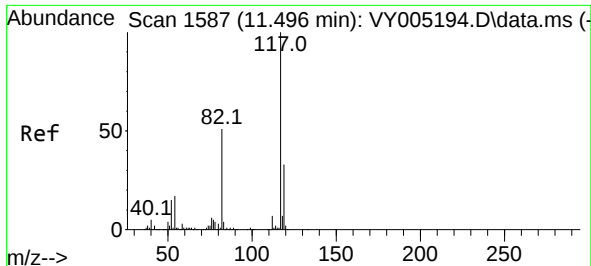
Tgt Ion: 43 Resp: 2983
Ion Ratio Lower Upper
43 100
58 4.3 30.8 92.4#



#62
4-Bromofluorobenzene
Concen: 52.592 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY005226.D
Acq: 25 Jun 2021 14:54

Tgt Ion: 95 Resp: 173645
Ion Ratio Lower Upper
95 100
174 95.6 0.0 201.6
176 93.4 0.0 197.4

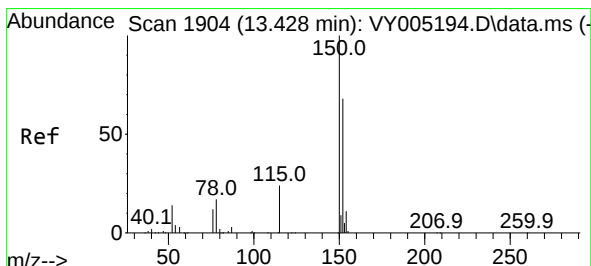
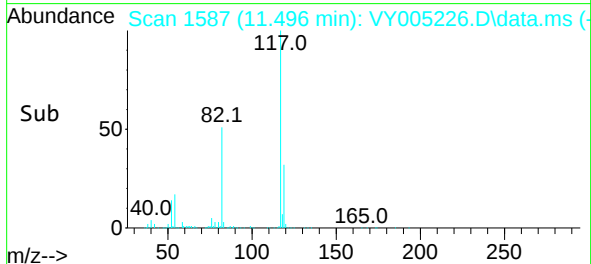
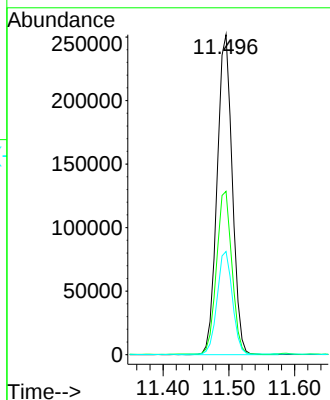
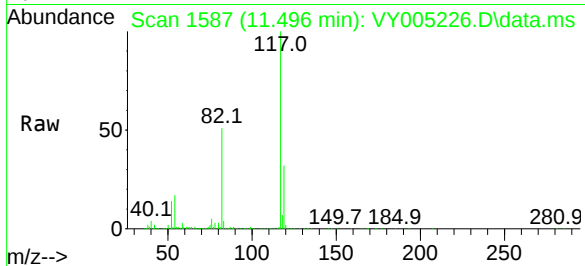




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY005226.D
Acq: 25 Jun 2021 14:54

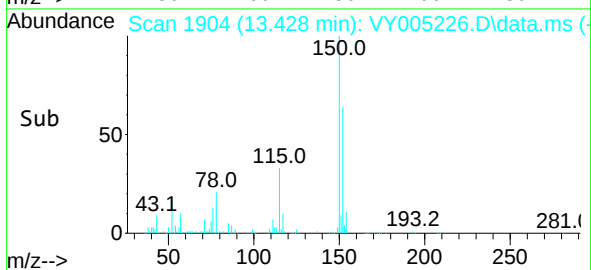
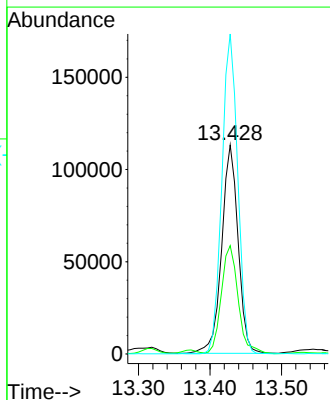
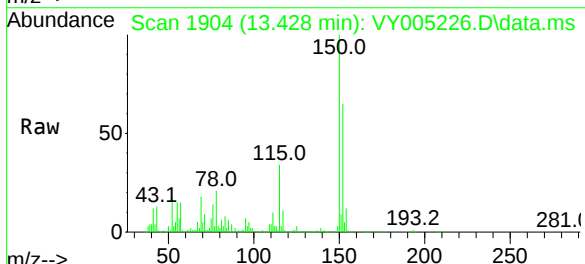
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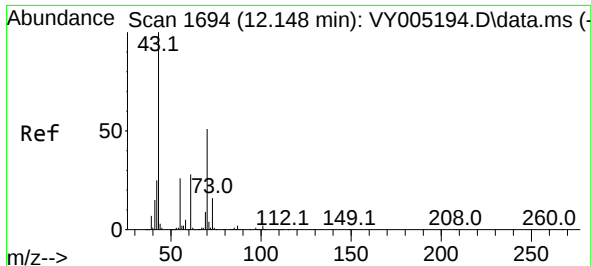
Tgt Ion:	117	Resp:	403621
Ion	Ratio	Lower	Upper
117	100		
82	50.9	40.6	60.8
119	32.2	26.1	39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY005226.D
Acq: 25 Jun 2021 14:54

Tgt Ion:	152	Resp:	180387
Ion	Ratio	Lower	Upper
152	100		
115	52.9	26.3	78.8
150	147.7	0.0	344.2

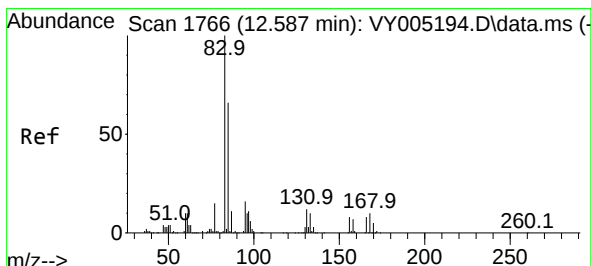
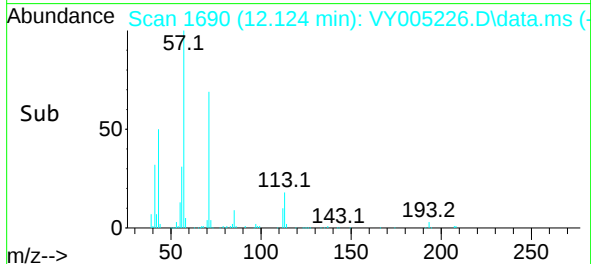
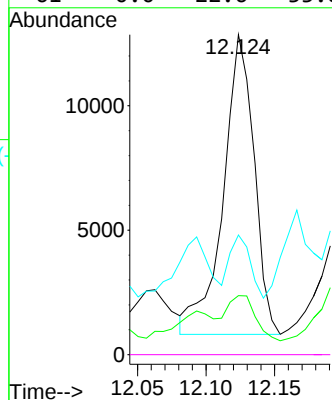
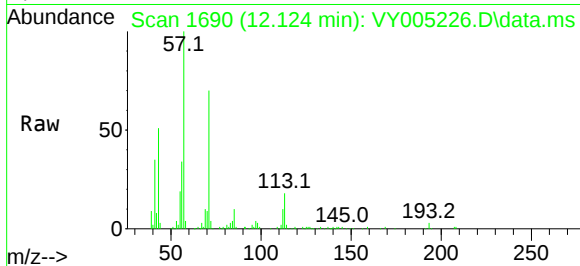




#74
N-amy1 acetate
Concen: 6.826 ug/l
RT: 12.124 min Scan# 1690
Delta R.T. -0.024 min
Lab File: VY005226.D
Acq: 25 Jun 2021 14:54

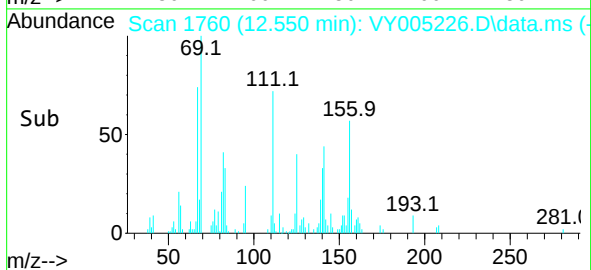
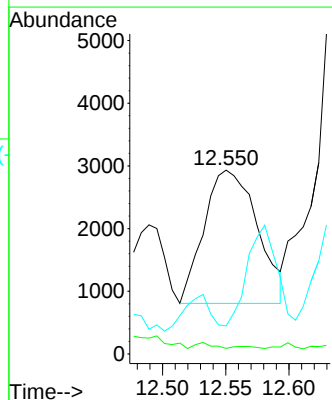
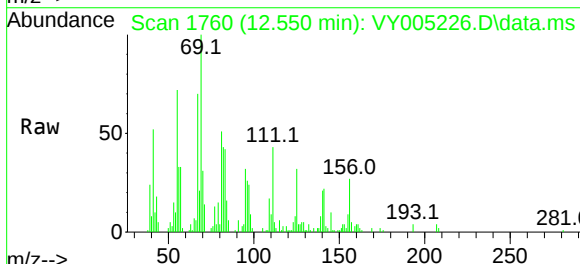
Instrument :
MSVOA_Y
ClientSampleId :
PILE-2-062421

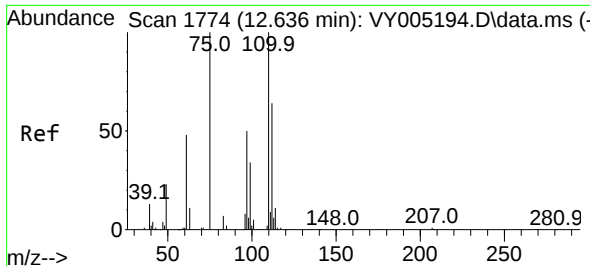
Tgt Ion:	43	Resp:	18900
Ion	Ratio	Lower	Upper
43	100		
70	14.7	40.6	61.0#
55	13.8	21.5	32.3#
61	0.0	22.6	33.8#



#75
1,1,2,2-Tetrachloroethane
Concen: 2.698 ug/l
RT: 12.550 min Scan# 1760
Delta R.T. -0.037 min
Lab File: VY005226.D
Acq: 25 Jun 2021 14:54

Tgt Ion:	83	Resp:	6219
Ion	Ratio	Lower	Upper
83	100		
131	1.4	5.9	17.6#
85	13.5	32.5	97.5#

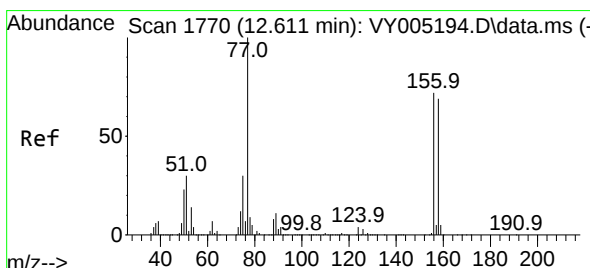
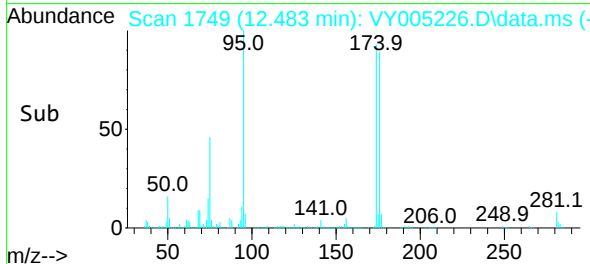
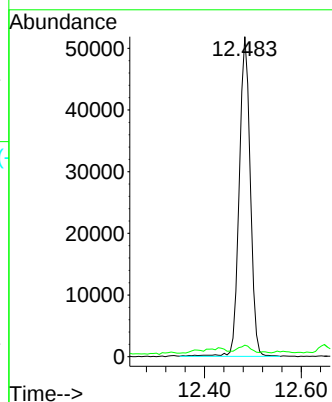
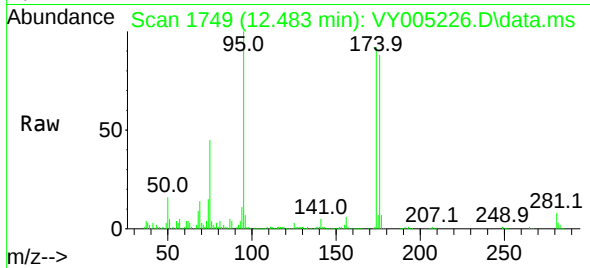




#76
1,2,3-Trichloropropane
Concen: 51.217 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY005226.D
Acq: 25 Jun 2021 14:54

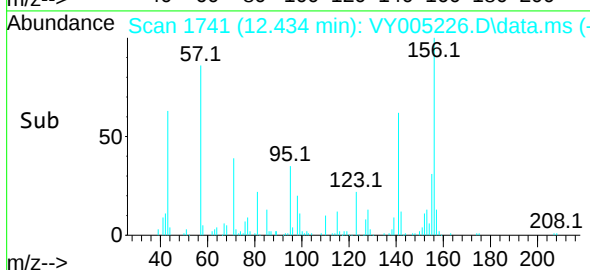
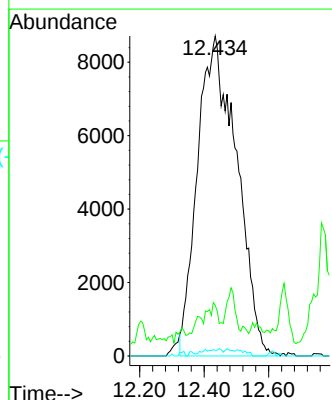
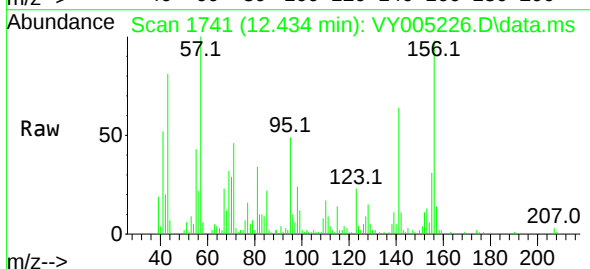
Instrument :
MSVOA_Y
ClientSampleId :
PILE-2-062421

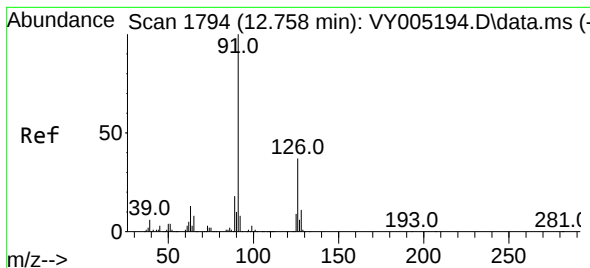
Tgt Ion: 75 Resp: 81939
Ion Ratio Lower Upper
75 100
77 2.7 0.0 0.0#



#77
Bromobenzene
Concen: 23.594 ug/l
RT: 12.434 min Scan# 1741
Delta R.T. -0.177 min
Lab File: VY005226.D
Acq: 25 Jun 2021 14:54

Tgt Ion: 156 Resp: 73251
Ion Ratio Lower Upper
156 100
77 2.8 78.5 235.7#
158 0.0 48.2 144.6#

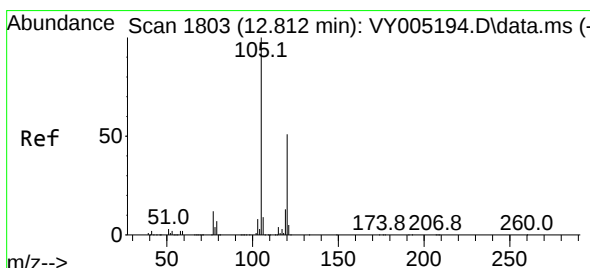
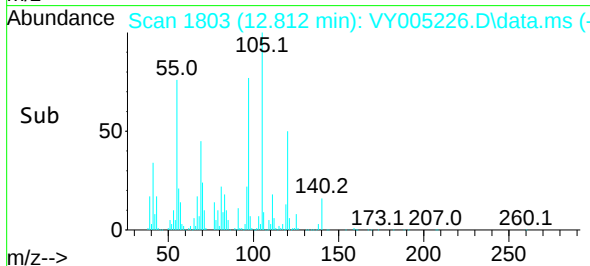
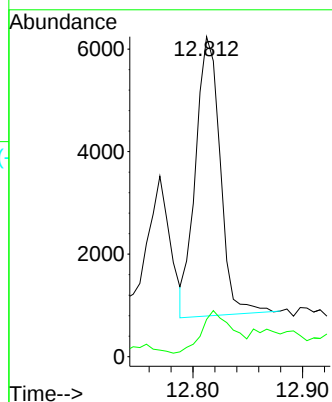
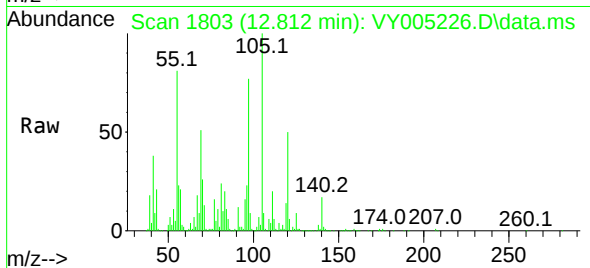




#79
2-Chlorotoluene
Concen: 1.092 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.055 min
Lab File: VY005226.D
Acq: 25 Jun 2021 14:54

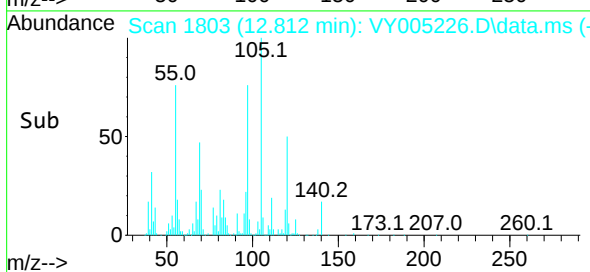
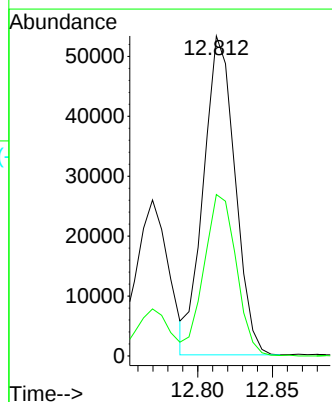
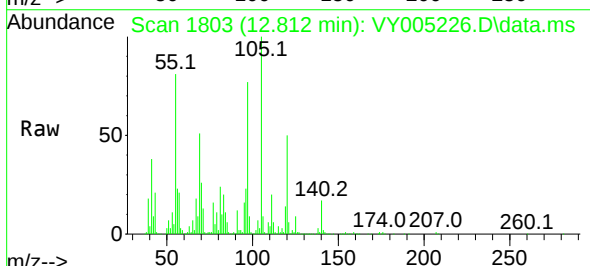
Instrument :
MSVOA_Y
ClientSampleId :
PILE-2-062421

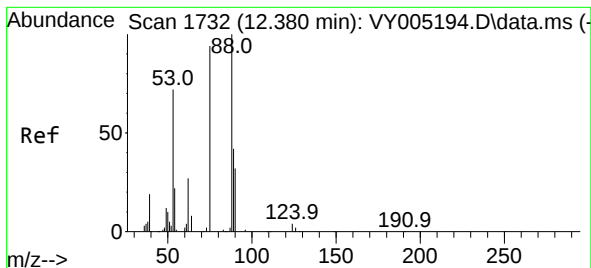
Tgt Ion: 91 Resp: 8500
Ion Ratio Lower Upper
91 100
126 19.5 18.6 55.6



#80
1,3,5-Trimethylbenzene
Concen: 8.069 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY005226.D
Acq: 25 Jun 2021 14:54

Tgt Ion: 105 Resp: 78098
Ion Ratio Lower Upper
105 100
120 52.0 25.9 77.7

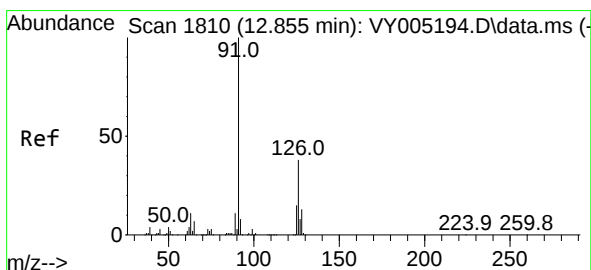
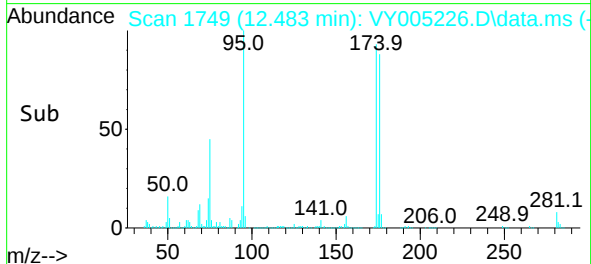
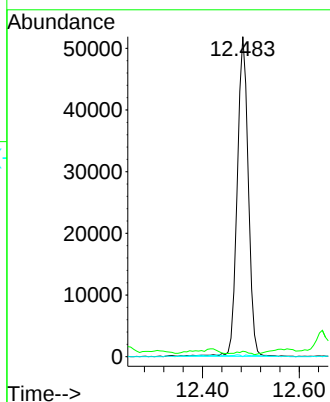
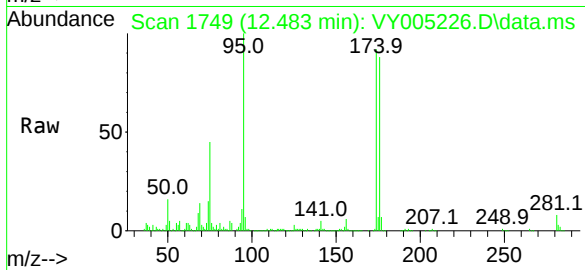




#81
trans-1,4-Dichloro-2-butene
Concen: 95.560 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY005226.D
Acq: 25 Jun 2021 14:54

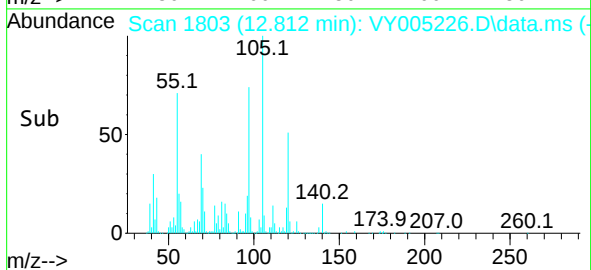
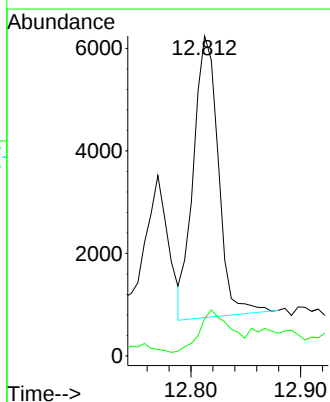
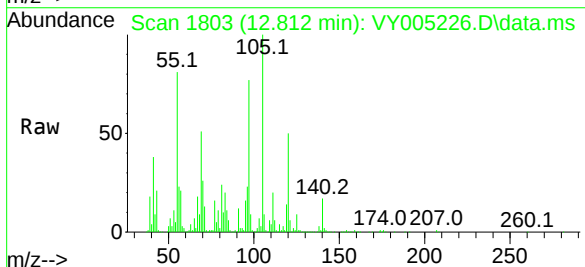
Instrument :
MSVOA_Y
ClientSampleId :
PILE-2-062421

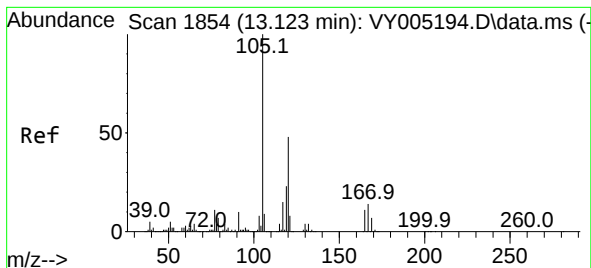
Tgt Ion: 75 Resp: 81939
Ion Ratio Lower Upper
75 100
53 1.2 63.0 94.4#
89 0.8 38.0 57.0#



#82
4-Chlorotoluene
Concen: 1.077 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.043 min
Lab File: VY005226.D
Acq: 25 Jun 2021 14:54

Tgt Ion: 91 Resp: 8672
Ion Ratio Lower Upper
91 100
126 19.1 18.6 55.8





#84

1,2,4-Trimethylbenzene

Concen: 3.588 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. 0.000 min

Lab File: VY005226.D

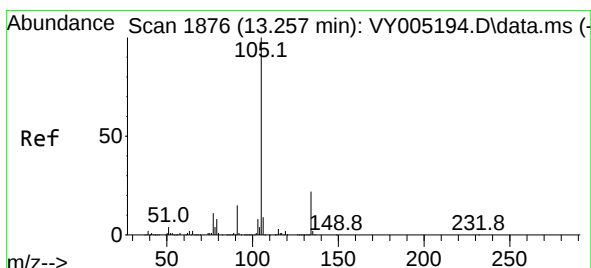
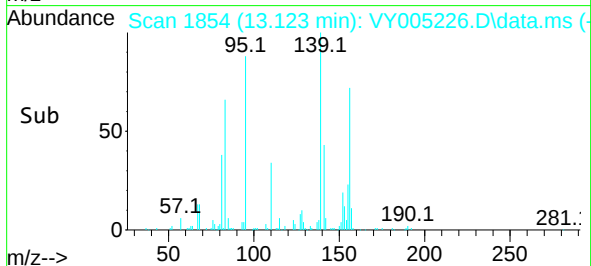
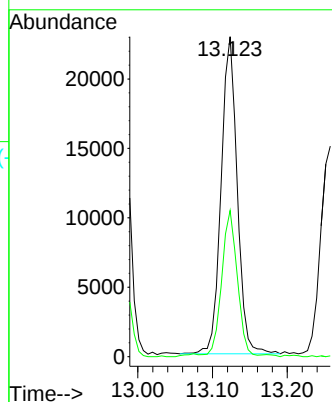
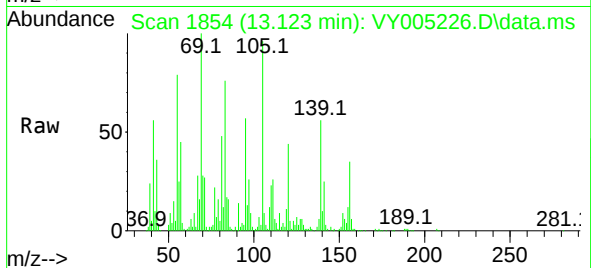
Acq: 25 Jun 2021 14:54

Tgt Ion:105 Resp: 34329

Ion Ratio Lower Upper

105 100

120 43.0 23.6 71.0



#85

sec-Butylbenzene

Concen: 1.835 ug/l

RT: 13.258 min Scan# 1876

Delta R.T. 0.000 min

Lab File: VY005226.D

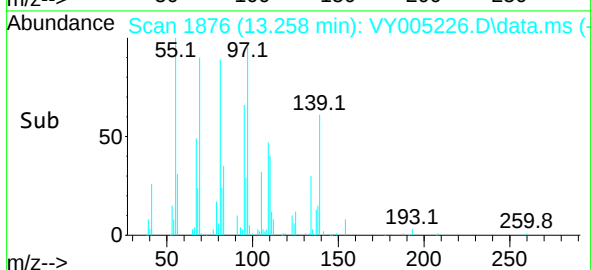
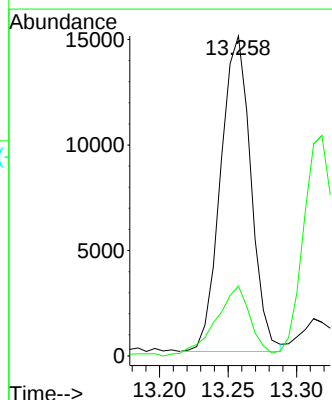
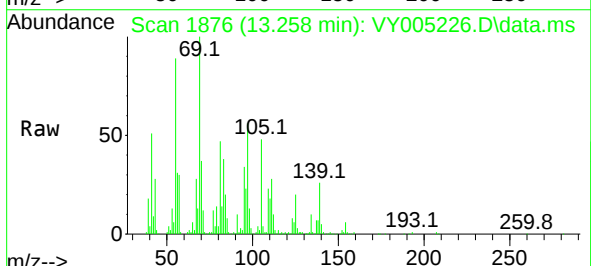
Acq: 25 Jun 2021 14:54

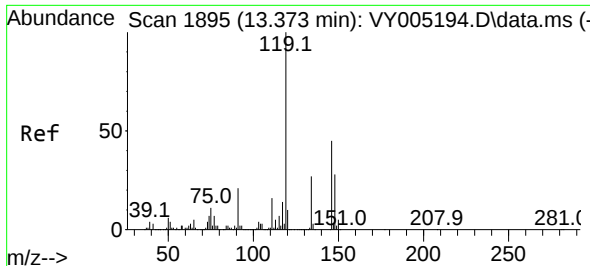
Tgt Ion:105 Resp: 23033

Ion Ratio Lower Upper

105 100

134 25.3 10.9 32.6

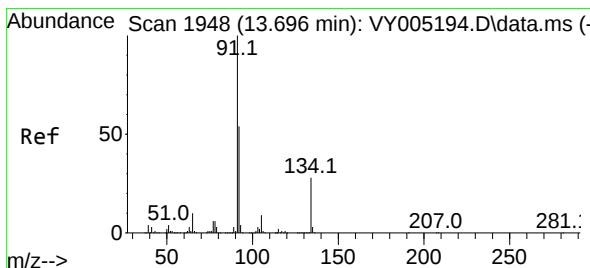
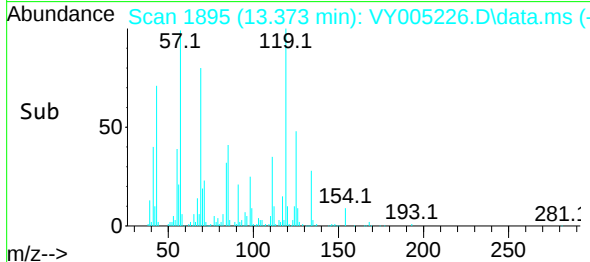
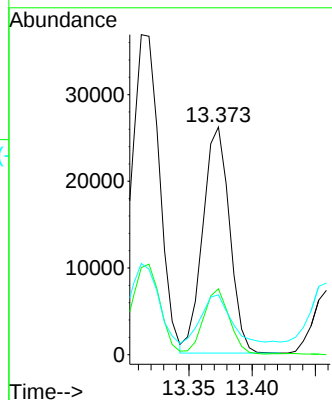
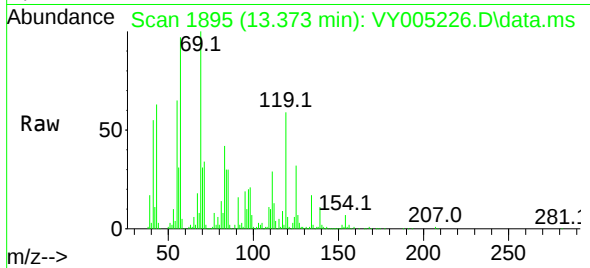




#86
p-Isopropyltoluene
Concen: 3.543 ug/l
RT: 13.373 min Scan# 1895
Delta R.T. 0.000 min
Lab File: VY005226.D
Acq: 25 Jun 2021 14:54

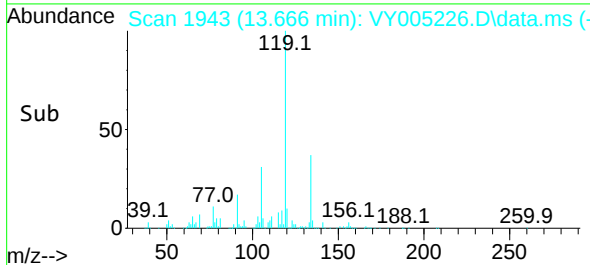
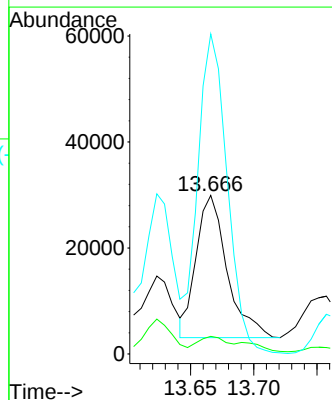
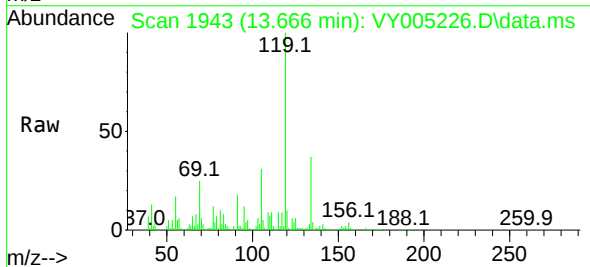
Instrument :
MSVOA_Y
ClientSampleId :
PILE-2-062421

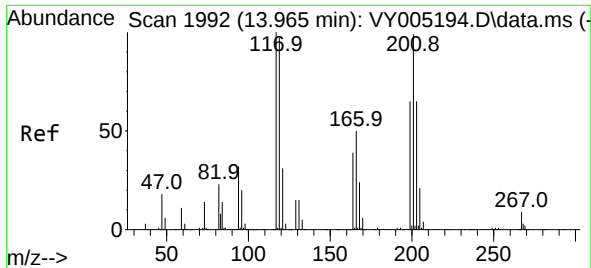
Tgt Ion:	119	Resp:	38371
Ion Ratio	Lower	Upper	
119	100		
134	27.8	13.9	41.6
91	23.4	10.8	32.3



#89
n-Butylbenzene
Concen: 4.818 ug/l
RT: 13.666 min Scan# 1943
Delta R.T. -0.030 min
Lab File: VY005226.D
Acq: 25 Jun 2021 14:54

Tgt Ion:	91	Resp:	45843
Ion Ratio	Lower	Upper	
91	100		
92	6.4	27.0	81.0#
134	214.3	14.6	44.0#

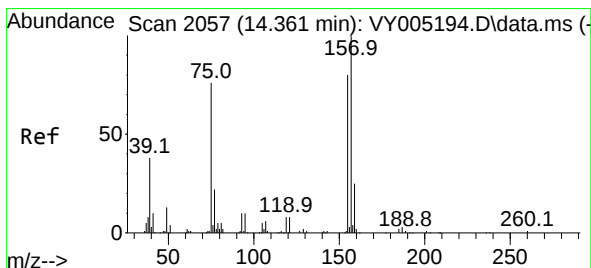
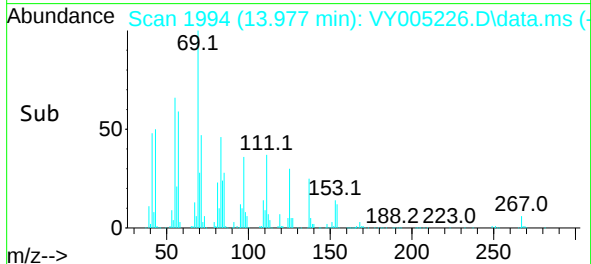
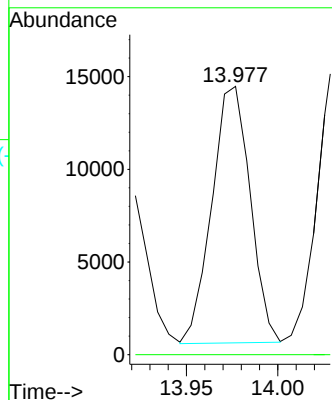
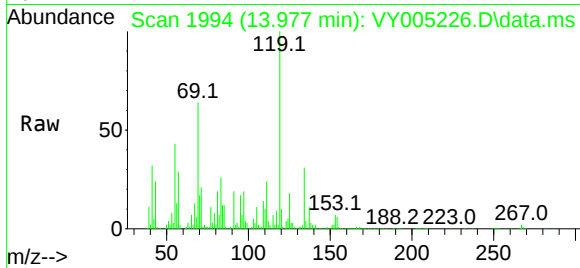




#90
Hexachloroethane
Concen: 10.324 ug/l
RT: 13.977 min Scan# 1994
Delta R.T. 0.012 min
Lab File: VY005226.D
Acq: 25 Jun 2021 14:54

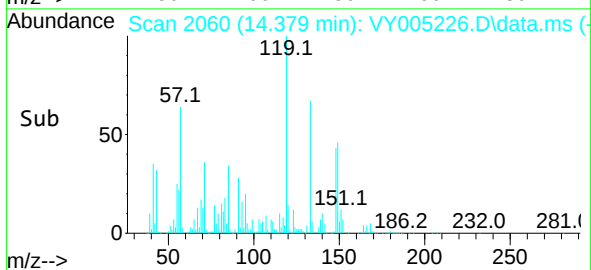
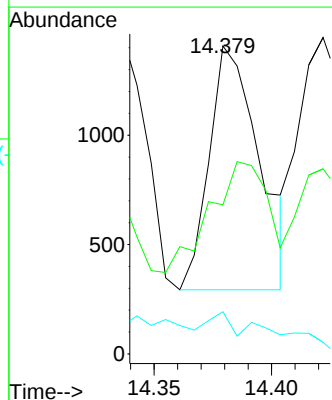
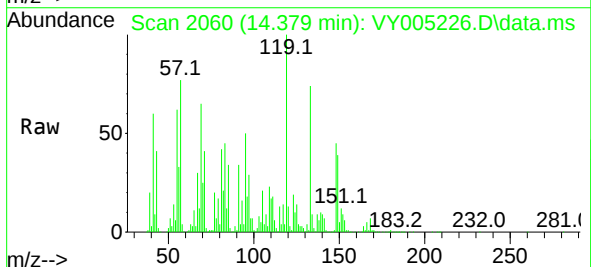
Instrument :
MSVOA_Y
ClientSampleId :
PILE-2-062421

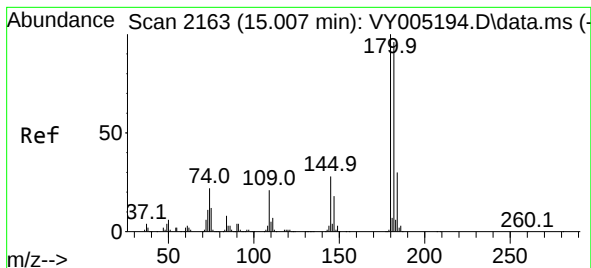
Tgt Ion:117 Resp: 20200
Ion Ratio Lower Upper
117 100
201 0.0 49.4 148.2#



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.299 ug/l
RT: 14.379 min Scan# 2060
Delta R.T. 0.018 min
Lab File: VY005226.D
Acq: 25 Jun 2021 14:54

Tgt Ion: 75 Resp: 1651
Ion Ratio Lower Upper
75 100
155 51.8 52.4 157.3#
157 22.6 67.3 201.8#

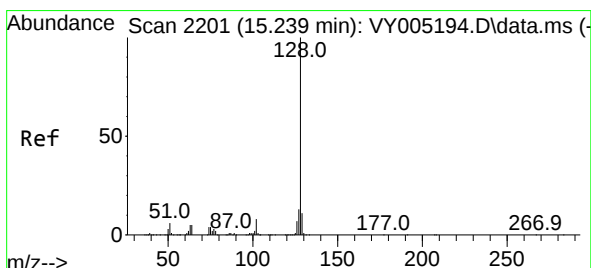
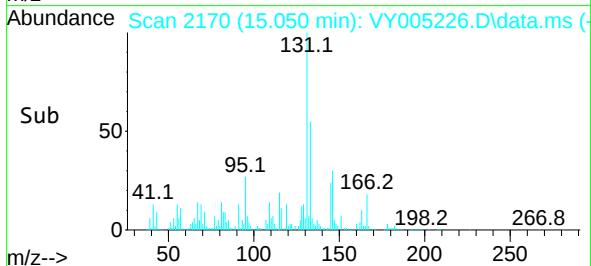
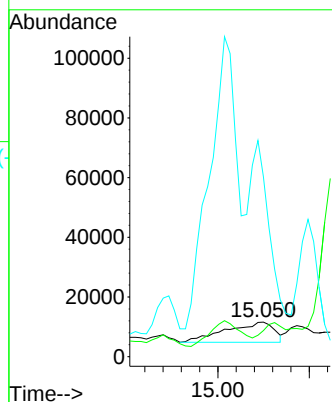
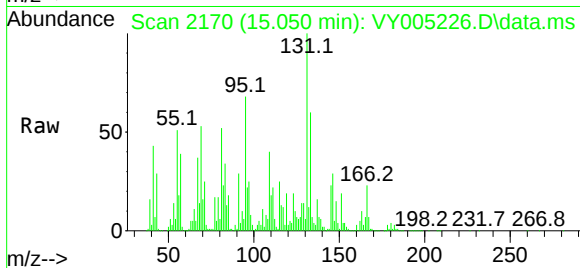




#93
1,2,4-Trichlorobenzene
Concen: 6.710 ug/l
RT: 15.050 min Scan# 2170
Delta R.T. 0.043 min
Lab File: VY005226.D
Acq: 25 Jun 2021 14:54

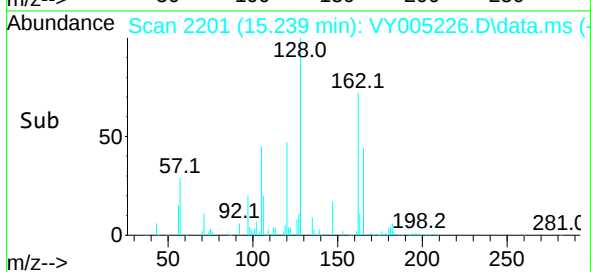
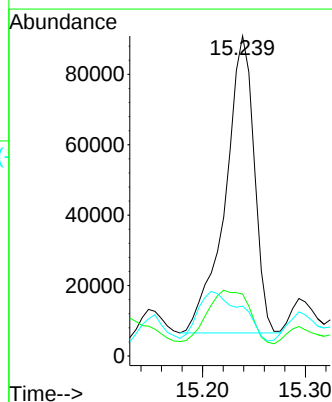
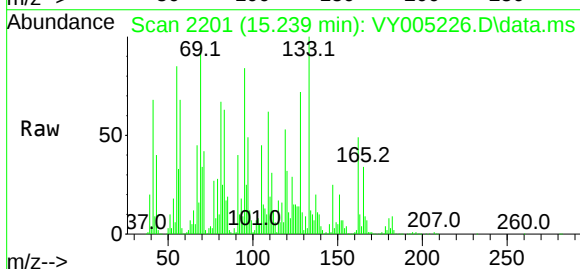
Instrument :
MSVOA_Y
ClientSampleId :
PILE-2-062421

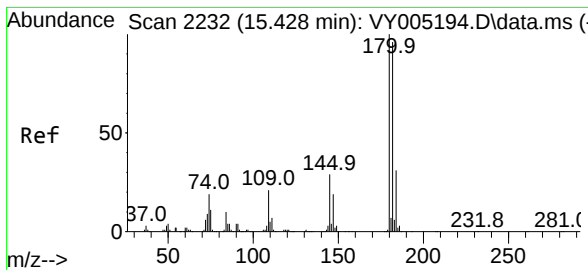
Tgt Ion:180 Resp: 24851
Ion Ratio Lower Upper
180 100
182 36.8 48.1 144.4#
145 449.7 13.6 40.8#



#95
Naphthalene
Concen: 24.225 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY005226.D
Acq: 25 Jun 2021 14:54

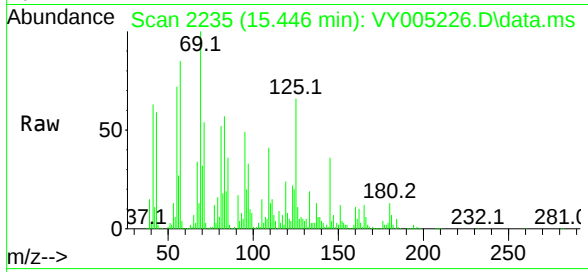
Tgt Ion:128 Resp: 165583
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 9.390 ug/l
 RT: 15.446 min Scan# 2235
 Delta R.T. 0.018 min
 Lab File: VY005226.D
 Acq: 25 Jun 2021 14:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 PILE-2-062421



Tgt Ion:180 Resp: 30625
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.7 143.1#
 145 867.2 14.1 42.4#

