

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061223\
 Data File : VY014125.D
 Acq On : 12 Jun 2023 17:06
 Operator : KP/MD
 Sample : 03141-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CMC-EME-Topsoil-001

Quant Time: Jun 13 05:44:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

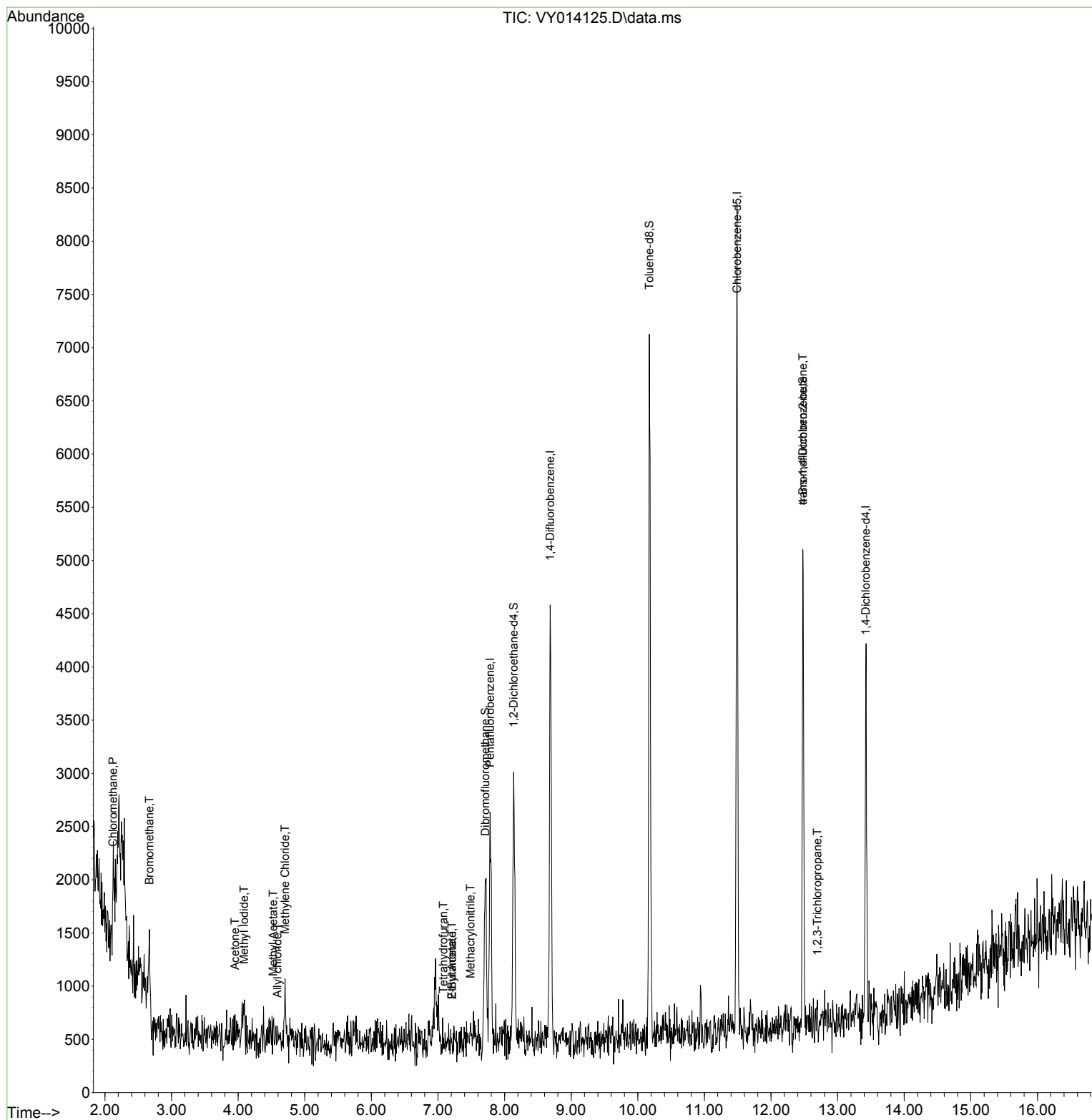
Internal Standards						
1) Pentafluorobenzene	7.782	168	2164	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.685	114	4100	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	4169	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	1061	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	2257	74.899	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 149.800%	
35) Dibromofluoromethane	7.709	113	1321	45.432	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 90.860%	
50) Toluene-d8	10.172	98	4823	44.368	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 88.740%	
62) 4-Bromofluorobenzene	12.477	95	1289	33.381	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 66.760%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	238	7.783	ug/l	# 43
5) Bromomethane	2.668	94	103	4.199	ug/l	88
10) Methyl Iodide	4.088	142	384	11.930	ug/l	# 45
13) Acrolein	3.887	56	20	Below Cal	#	1
14) Allyl chloride	4.588	41	50	1.116	ug/l	# 22
16) Acetone	3.954	43	52	5.725	ug/l	# 46
18) Methyl Acetate	4.527	43	63	1.787	ug/l	# 54
20) Methylene Chloride	4.704	84	151	1.747	ug/l	# 42
25) 2-Butanone	7.209	43	33	2.951	ug/l	# 49
29) Tetrahydrofuran	7.081	42	33	4.654	ug/l	# 35
37) Ethyl Acetate	7.209	43	33	1.055	ug/l	# 71
41) Methacrylonitrile	7.490	41	22	1.378	ug/l	# 17
76) 1,2,3-Trichloropropane	12.696	75	34	2.443	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	688	106.838	ug/l	# 10

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

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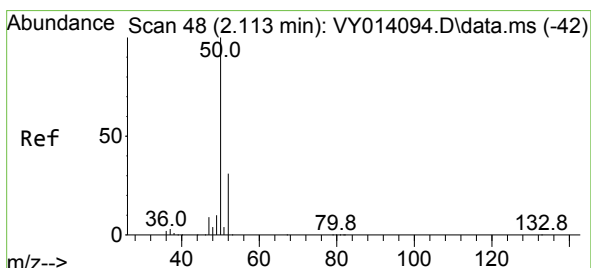
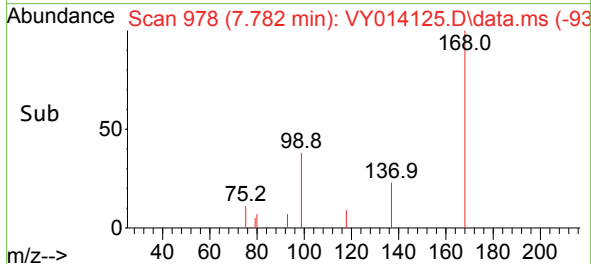
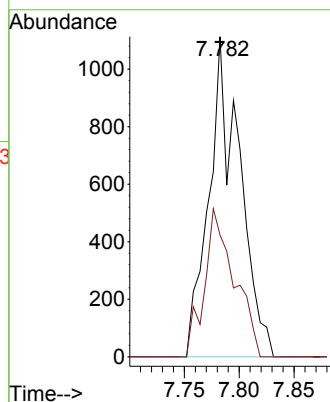
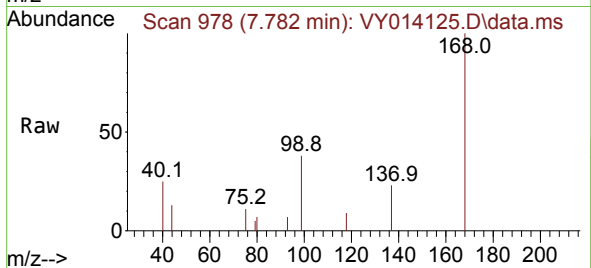




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.782 min Scan# 91
Delta R.T. -0.007 min
Lab File: VY014125.D
Acq: 12 Jun 2023 17:06

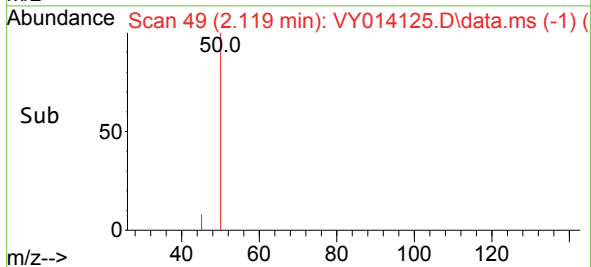
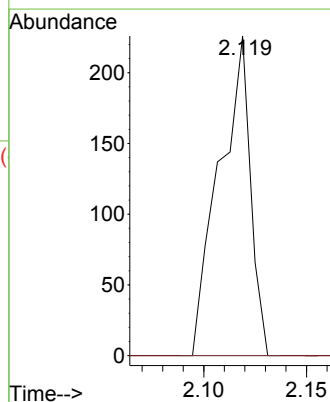
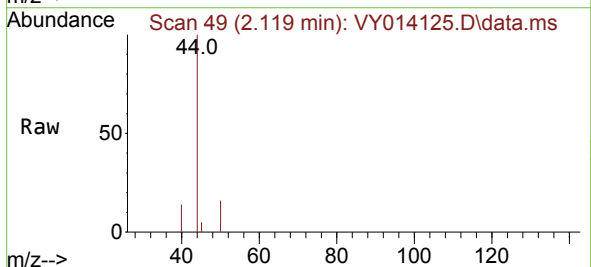
Instrument :
MSVOA_Y
ClientSampleId :
CMC-EME-Topsoil-001

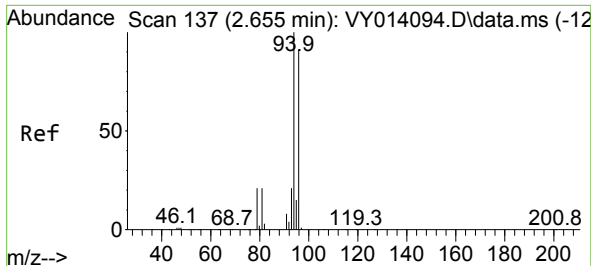
Tgt Ion:168 Resp: 2164
Ion Ratio Lower Upper
168 100
99 38.0 43.4 65.0#



#3
Chloromethane
Concen: 7.783 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY014125.D
Acq: 12 Jun 2023 17:06

Tgt Ion: 50 Resp: 238
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

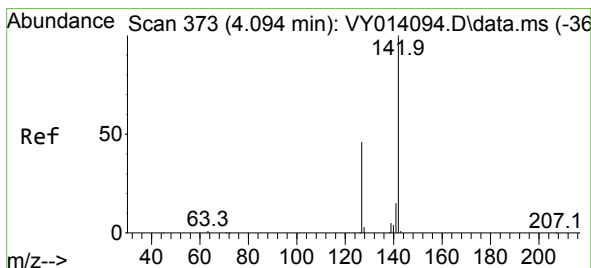
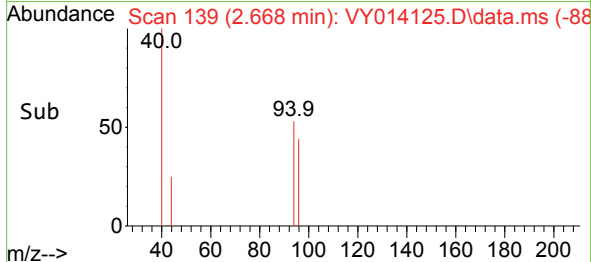
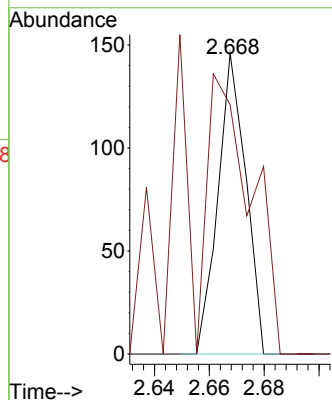
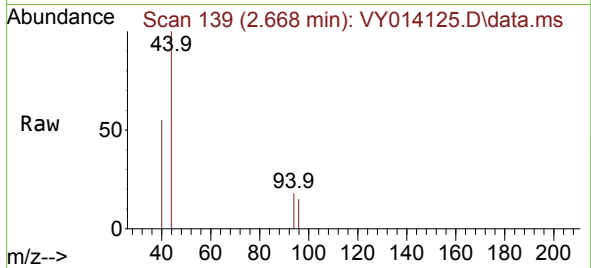




#5
Bromomethane
Concen: 4.199 ug/l
RT: 2.668 min Scan# 11
Delta R.T. 0.013 min
Lab File: VY014125.D
Acq: 12 Jun 2023 17:06

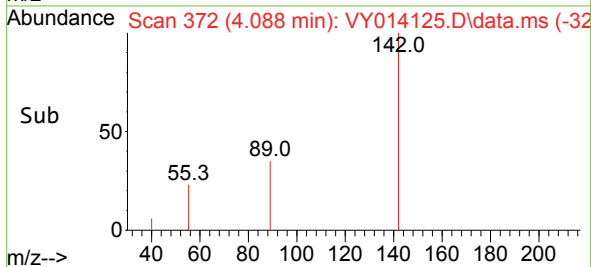
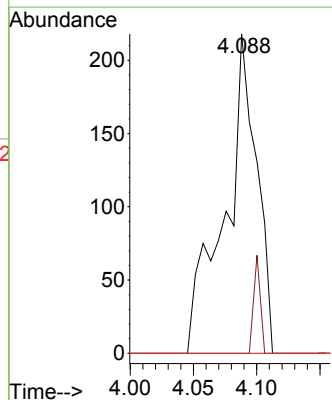
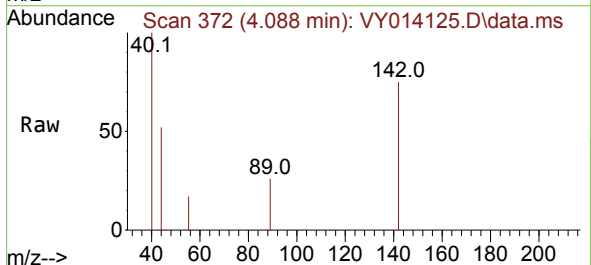
Instrument :
MSVOA_Y
ClientSampleId :
CMC-EME-Topsoil-001

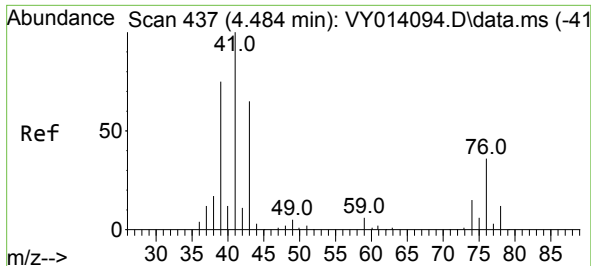
Tgt Ion: 94 Resp: 103
Ion Ratio Lower Upper
94 100
96 82.9 75.8 113.6



#10
Methyl Iodide
Concen: 11.930 ug/l
RT: 4.088 min Scan# 372
Delta R.T. -0.006 min
Lab File: VY014125.D
Acq: 12 Jun 2023 17:06

Tgt Ion: 142 Resp: 384
Ion Ratio Lower Upper
142 100
127 6.5 37.6 56.4#
141 0.0 11.8 17.8#

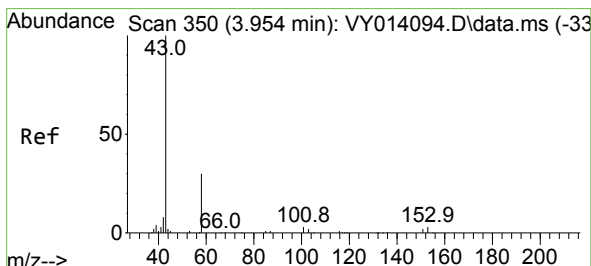
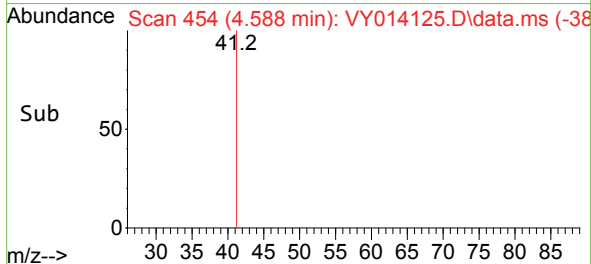
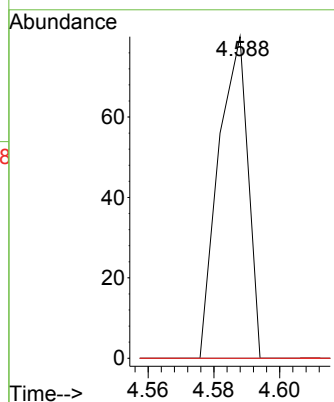
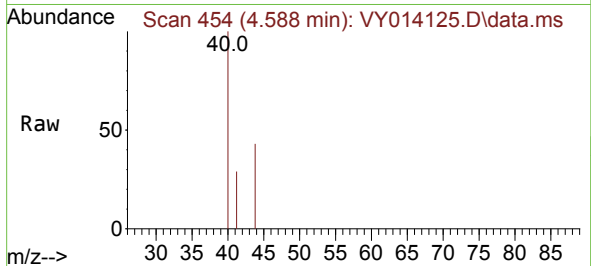




#14
 Allyl chloride
 Concen: 1.116 ug/l
 RT: 4.588 min Scan# 41
 Delta R.T. 0.104 min
 Lab File: VY014125.D
 Acq: 12 Jun 2023 17:06

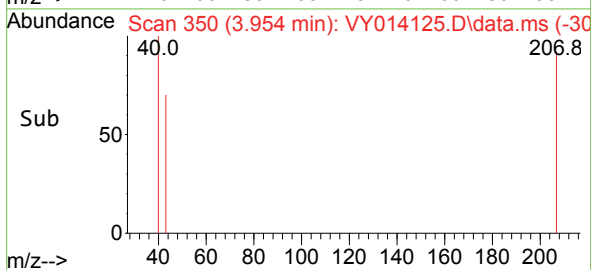
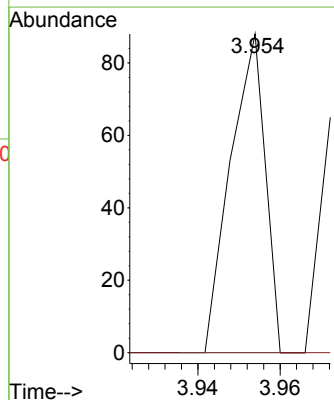
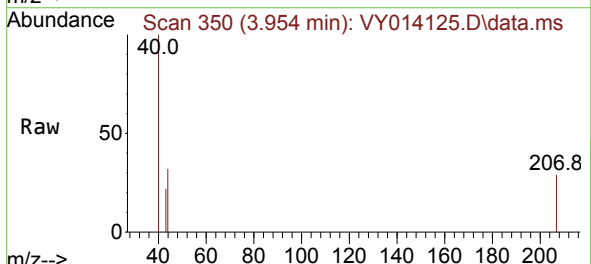
Instrument :
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 ClientSampleId :
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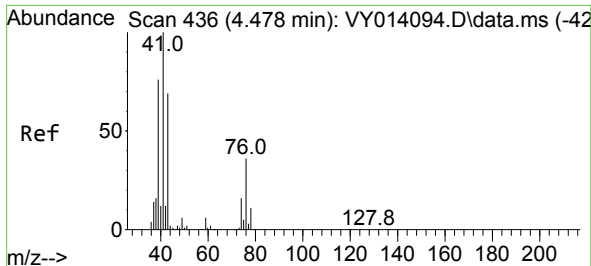
Tgt Ion: 41 Resp: 50
 Ion Ratio Lower Upper
 41 100
 39 0.0 58.0 87.0#
 76 0.0 27.4 41.2#



#16
 Acetone
 Concen: 5.725 ug/l
 RT: 3.954 min Scan# 350
 Delta R.T. -0.000 min
 Lab File: VY014125.D
 Acq: 12 Jun 2023 17:06

Tgt Ion: 43 Resp: 52
 Ion Ratio Lower Upper
 43 100
 58 0.0 22.7 34.1#

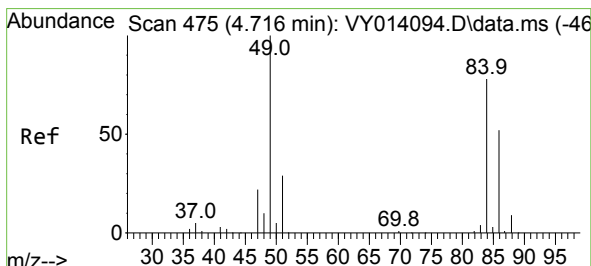
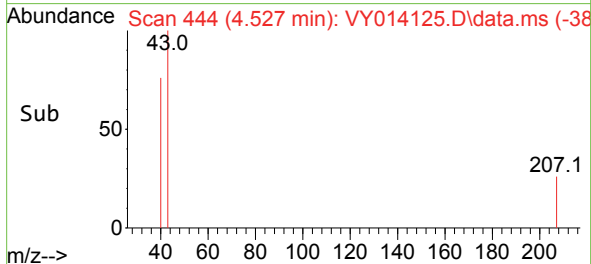
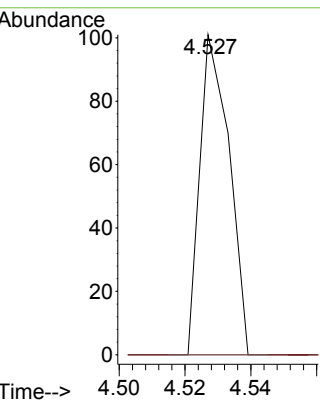
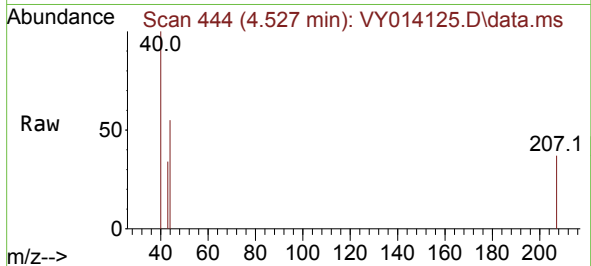




#18
Methyl Acetate
Concen: 1.787 ug/l
RT: 4.527 min Scan# 444
Delta R.T. 0.049 min
Lab File: VY014125.D
Acq: 12 Jun 2023 17:06

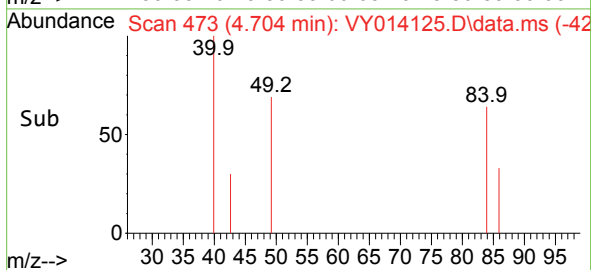
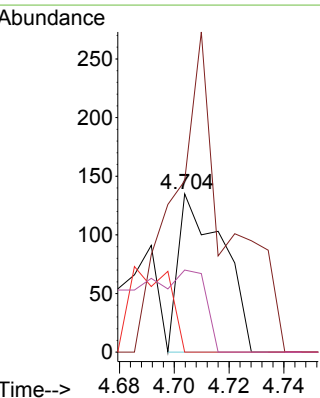
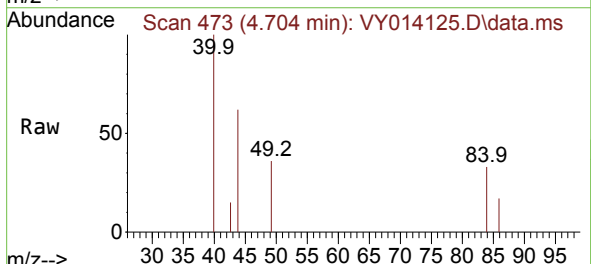
Instrument :
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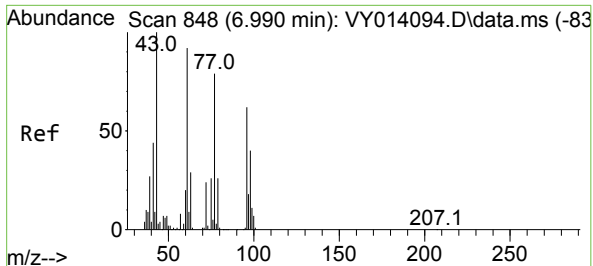
Tgt Ion: 43 Resp: 63
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.0#



#20
Methylene Chloride
Concen: 1.747 ug/l
RT: 4.704 min Scan# 473
Delta R.T. -0.012 min
Lab File: VY014125.D
Acq: 12 Jun 2023 17:06

Tgt Ion: 84 Resp: 151
Ion Ratio Lower Upper
84 100
49 43.7 106.9 160.3#
51 0.0 33.2 49.8#
86 51.9 51.0 76.6

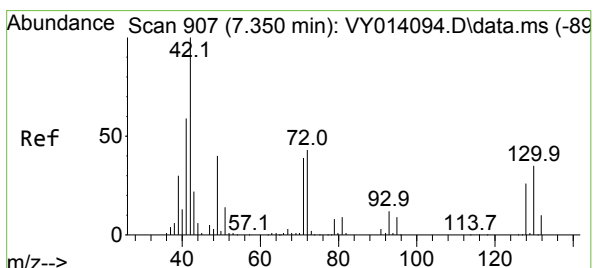
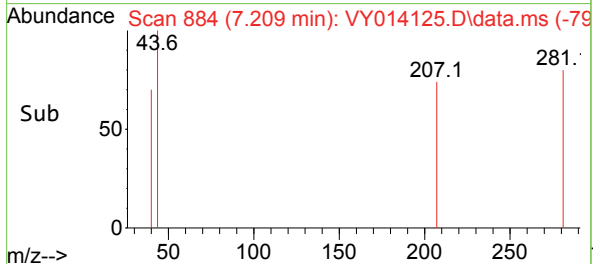
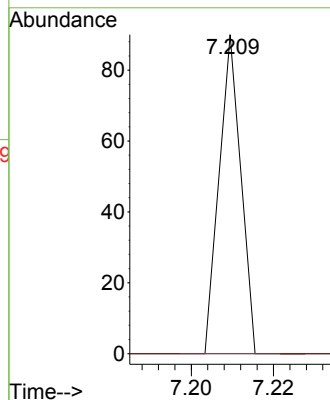
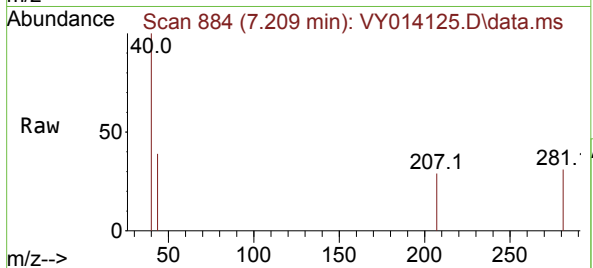




#25
2-Butanone
Concen: 2.951 ug/l
RT: 7.209 min Scan# 848
Delta R.T. 0.219 min
Lab File: VY014125.D
Acq: 12 Jun 2023 17:06

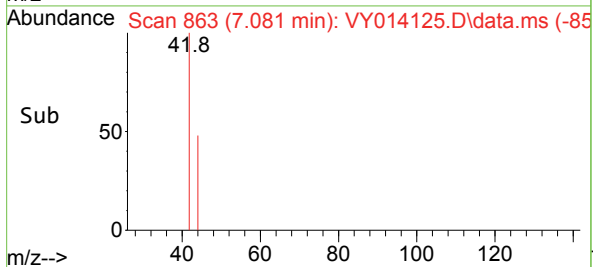
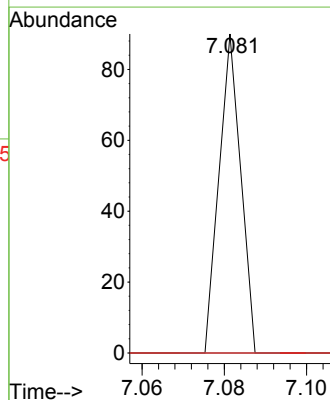
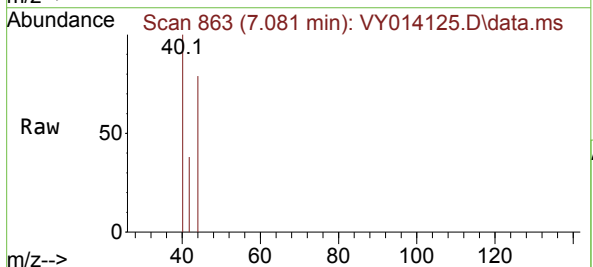
Instrument :
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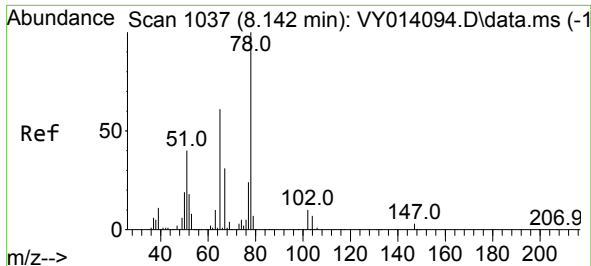
Tgt Ion: 43 Resp: 33
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#



#29
Tetrahydrofuran
Concen: 4.654 ug/l
RT: 7.081 min Scan# 863
Delta R.T. -0.269 min
Lab File: VY014125.D
Acq: 12 Jun 2023 17:06

Tgt Ion: 42 Resp: 33
Ion Ratio Lower Upper
42 100
72 0.0 32.8 49.2#
71 0.0 31.0 46.4#

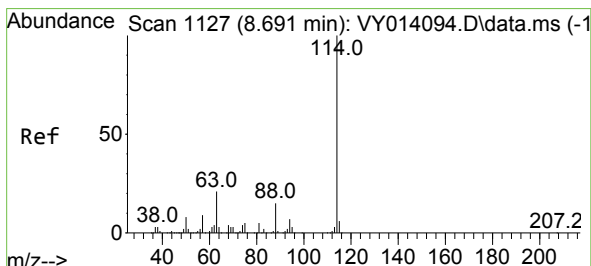
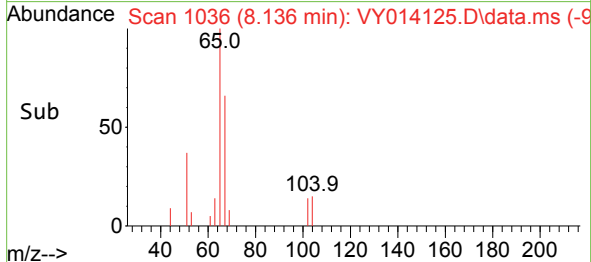
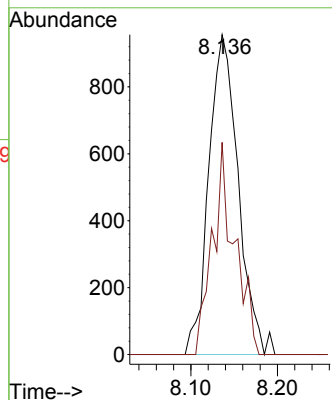
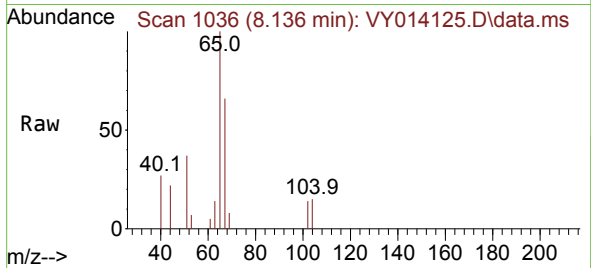




#33
 1,2-Dichloroethane-d4
 Concen: 74.899 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. -0.006 min
 Lab File: VY014125.D
 Acq: 12 Jun 2023 17:06

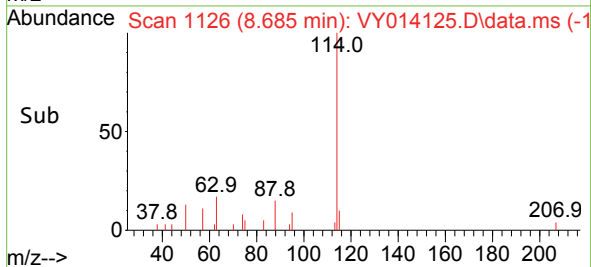
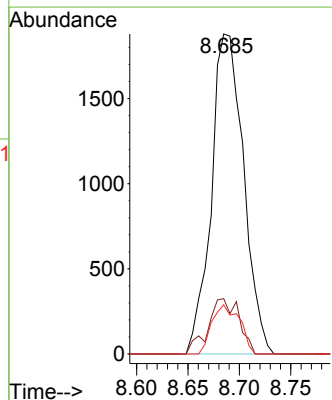
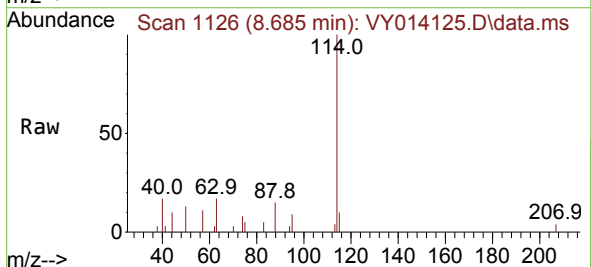
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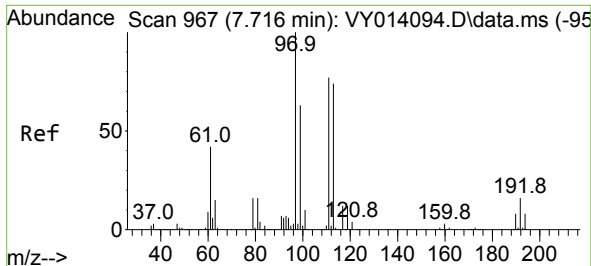
Tgt Ion: 65 Resp: 2257
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. -0.006 min
 Lab File: VY014125.D
 Acq: 12 Jun 2023 17:06

Tgt Ion: 114 Resp: 4100
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 42.4
 88 15.4 0.0 30.6

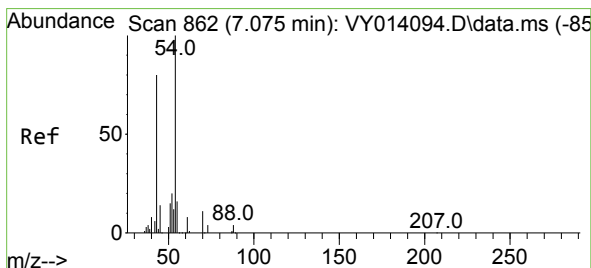
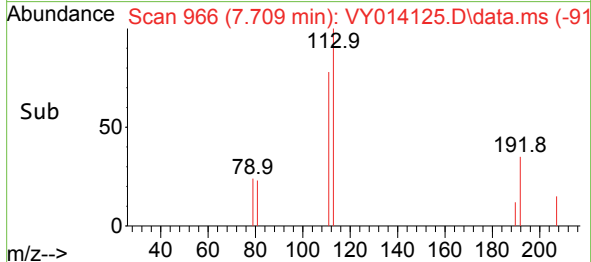
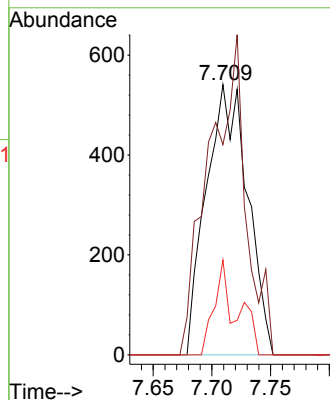
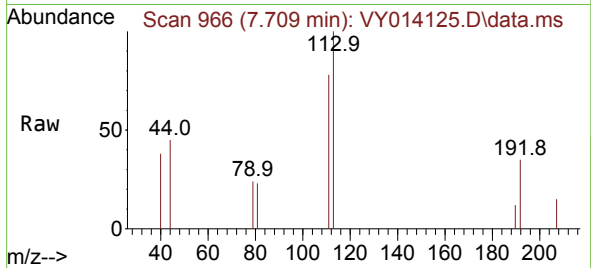




#35
Dibromofluoromethane
Concen: 45.432 ug/l
RT: 7.709 min Scan# 911
Delta R.T. -0.007 min
Lab File: VY014125.D
Acq: 12 Jun 2023 17:06

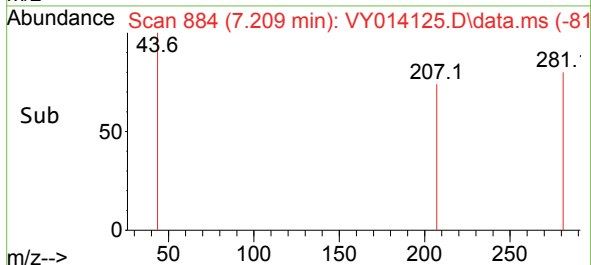
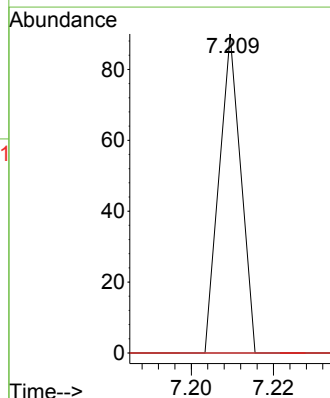
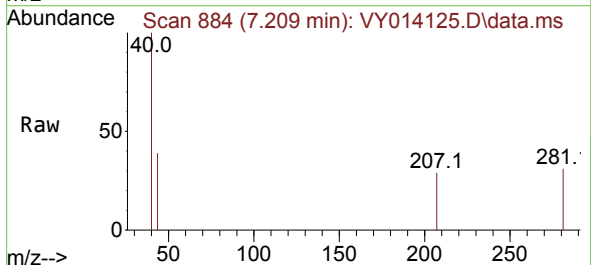
Instrument :
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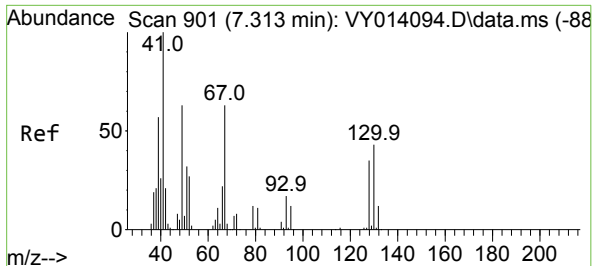
Tgt Ion:113 Resp: 1321
Ion Ratio Lower Upper
113 100
111 105.4 81.3 121.9
192 13.6 16.9 25.3#



#37
Ethyl Acetate
Concen: 1.055 ug/l
RT: 7.209 min Scan# 884
Delta R.T. 0.134 min
Lab File: VY014125.D
Acq: 12 Jun 2023 17:06

Tgt Ion: 43 Resp: 33
Ion Ratio Lower Upper
43 100
61 0.0 10.1 15.1#
70 0.0 7.1 10.7#

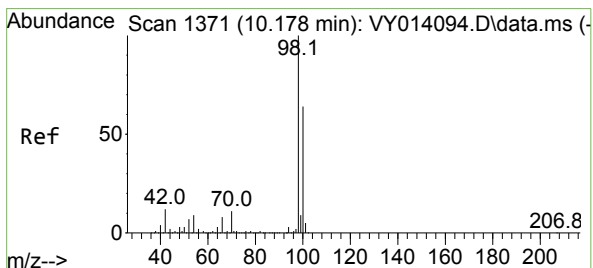
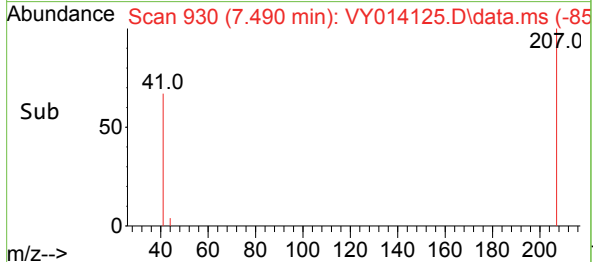
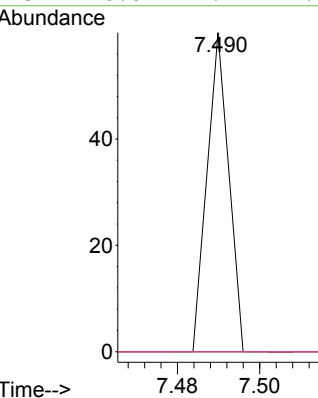
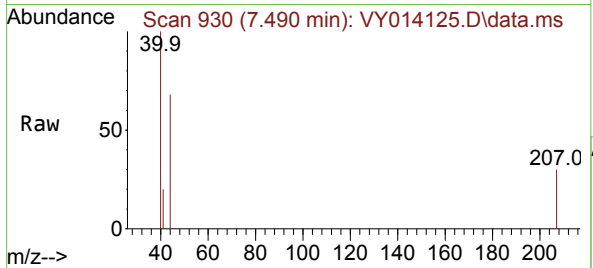




#41
Methacrylonitrile
Concen: 1.378 ug/l
RT: 7.490 min Scan# 91
Delta R.T. 0.177 min
Lab File: VY014125.D
Acq: 12 Jun 2023 17:06

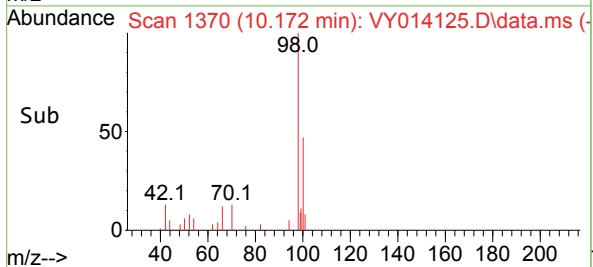
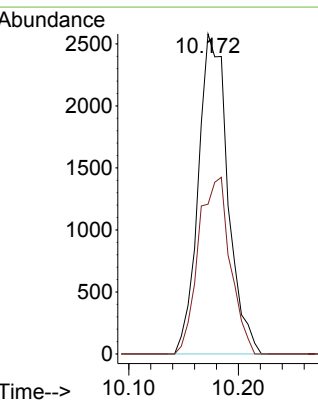
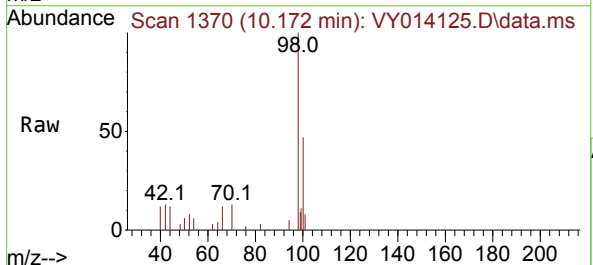
Instrument :
MSVOA_Y
ClientSampleId :
CMC-EME-Topsoil-001

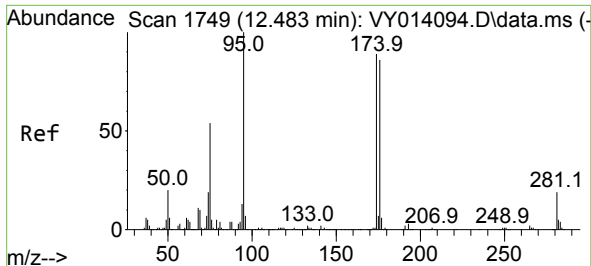
Tgt Ion: 41	Resp: 22
Ion Ratio	Lower Upper
41 100	
39 0.0	52.1 78.1#
67 0.0	66.2 99.2#
52 0.0	29.9 44.9#



#50
Toluene-d8
Concen: 44.368 ug/l
RT: 10.172 min Scan# 1370
Delta R.T. -0.006 min
Lab File: VY014125.D
Acq: 12 Jun 2023 17:06

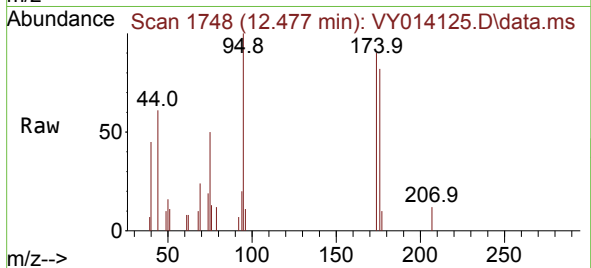
Tgt Ion: 98	Resp: 4823		
Ion Ratio	Lower	Upper	
98 100			
100 59.4	50.1	75.1	



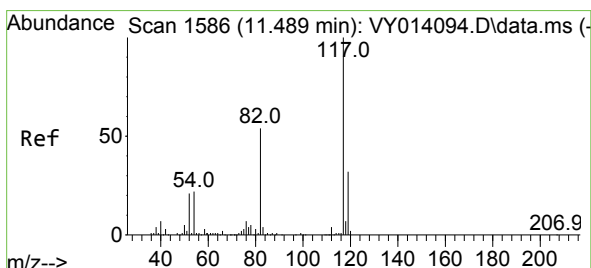
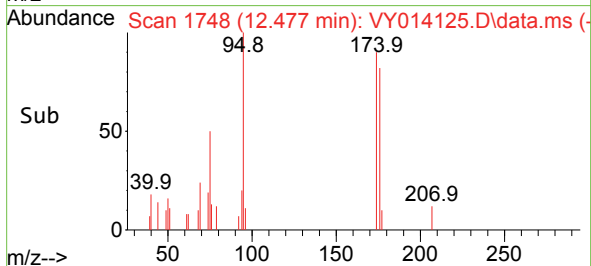
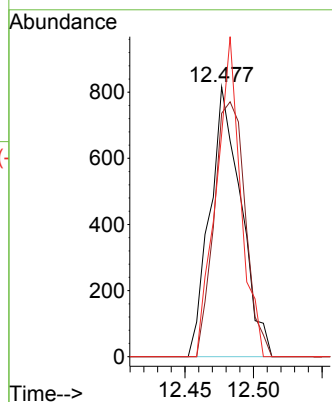


#62
4-Bromofluorobenzene
Concen: 33.381 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014125.D
Acq: 12 Jun 2023 17:06

Instrument :
MSVOA_Y
ClientSampleId :
CMC-EME-Topsoil-001

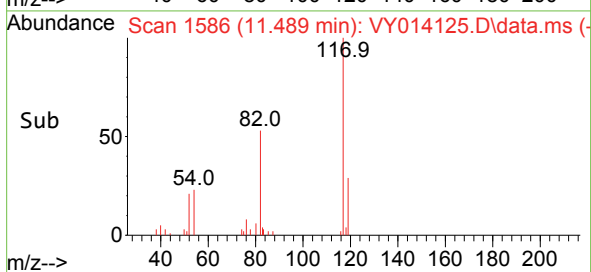
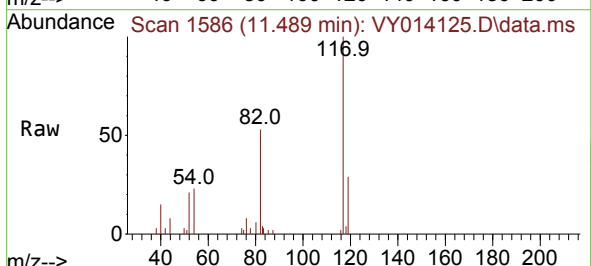
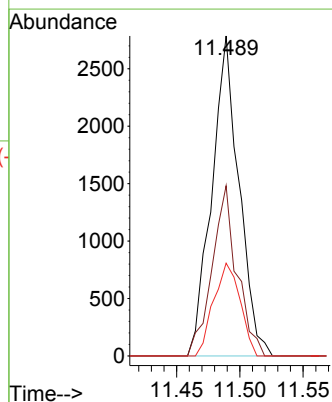


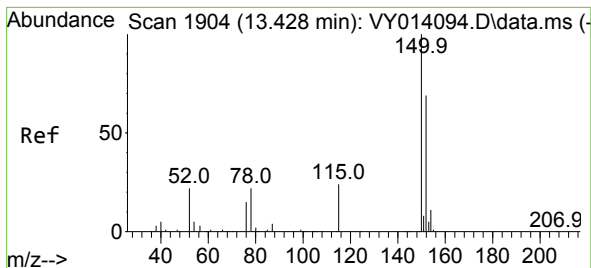
Tgt Ion: 95 Resp: 1289
Ion Ratio Lower Upper
95 100
174 94.8 0.0 178.2
176 93.0 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014125.D
Acq: 12 Jun 2023 17:06

Tgt Ion: 117 Resp: 4169
Ion Ratio Lower Upper
117 100
82 53.2 43.4 65.0
119 29.0 26.3 39.5

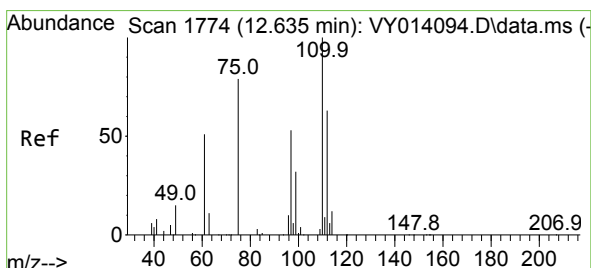
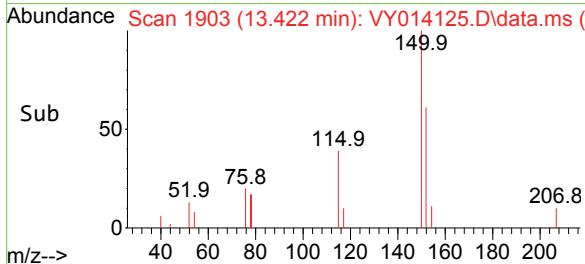
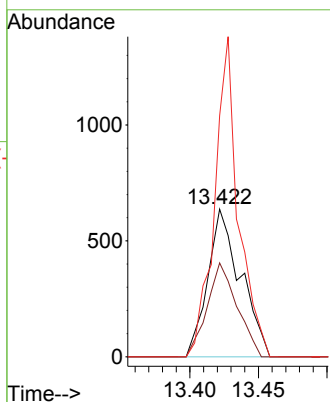
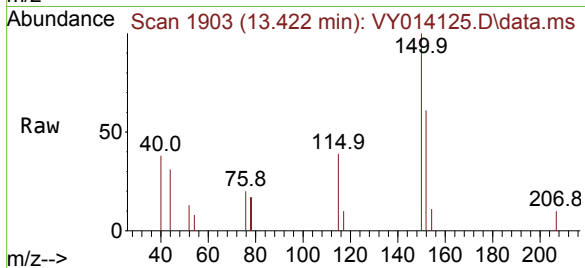




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1904
 Delta R.T. -0.006 min
 Lab File: VY014125.D
 Acq: 12 Jun 2023 17:06

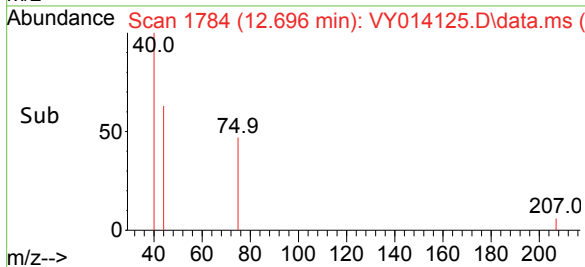
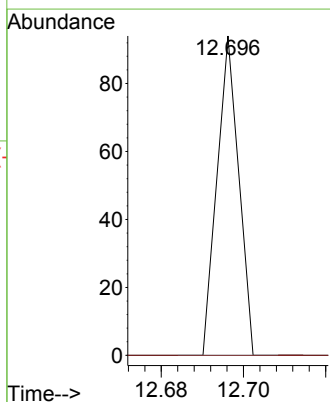
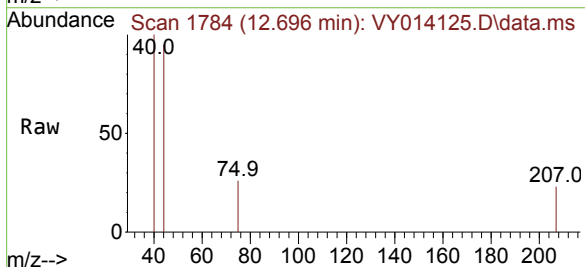
Instrument :
 MSVOA_Y
 ClientSampleId :
 CMC-EME-Topsoil-001

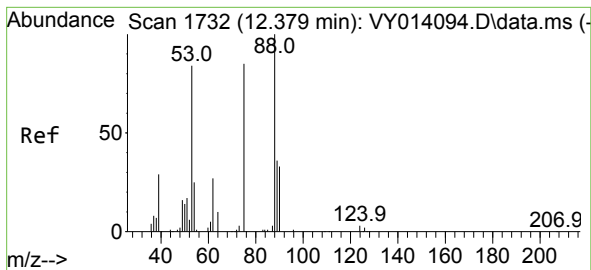
Tgt Ion:152 Resp: 1061
 Ion Ratio Lower Upper
 152 100
 115 57.7 28.8 86.5
 150 157.5 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 2.443 ug/l
 RT: 12.696 min Scan# 1784
 Delta R.T. 0.061 min
 Lab File: VY014125.D
 Acq: 12 Jun 2023 17:06

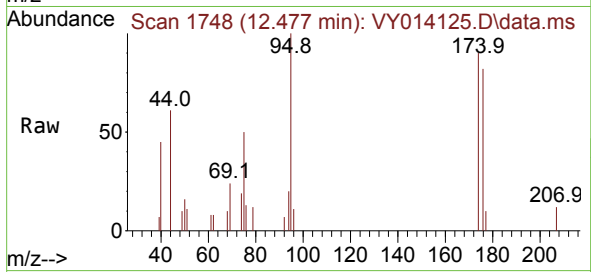
Tgt Ion: 75 Resp: 34
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 106.838 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY014125.D
 Acq: 12 Jun 2023 17:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 CMC-EME-Topsoil-001



Tgt Ion: 75 Resp: 688
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 37.4 56.0#

