

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062923\
 Data File : VY014507.D
 Acq On : 29 Jun 2023 19:35
 Operator : KP/MD
 Sample : 03473-13
 Misc : 5.59g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CMC-EME-TOPSOIL-009

Quant Time: Jun 30 04:12:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 17:18:46 2023
 Response via : Initial Calibration

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

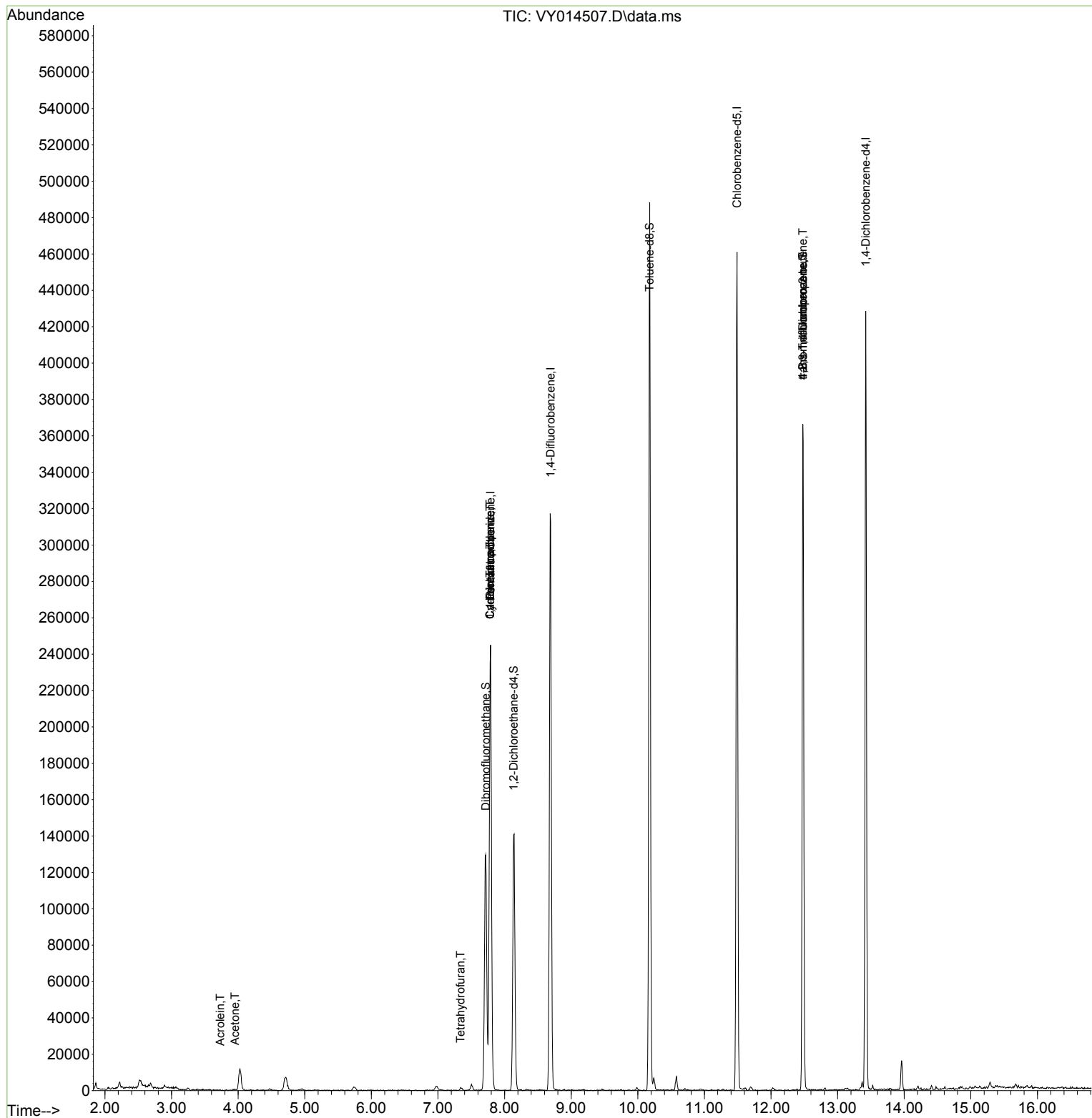
Internal Standards						
1) Pentafluorobenzene	7.789	168	192760	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	268536	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	250895	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	111752	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	134470	56.186	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	=	112.380%	
35) Dibromofluoromethane	7.715	113	82010	49.431	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	=	98.860%	
50) Toluene-d8	10.178	98	316513	47.993	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	=	95.980%	
62) 4-Bromofluorobenzene	12.477	95	93951	39.904	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	=	79.800%	
Target Compounds						
11) Tert butyl alcohol	4.960	59	748	Below Cal	#	91
13) Acrolein	3.728	56	24	4.424	ug/l #	14
16) Acetone	3.954	43	863	1.146	ug/l	91
20) Methylene Chloride	4.710	84	6141	Below Cal	#	70
29) Tetrahydrofuran	7.337	42	805	1.439	ug/l #	78
31) Cyclohexane	7.782	56	4012	1.357	ug/l #	41
36) 1,1-Dichloropropene	7.782	75	12700	4.967	ug/l #	52
38) Carbon Tetrachloride	7.782	117	18960	5.893	ug/l #	14
76) 1,2,3-Trichloropropane	12.477	75	56701	40.448	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	56701	92.086	ug/l #	10

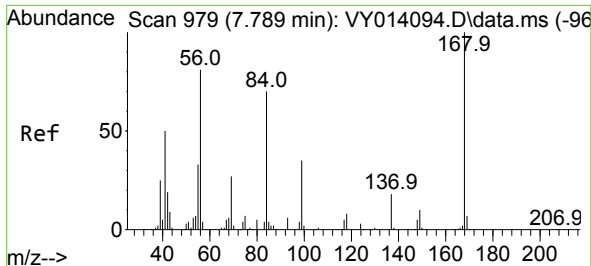
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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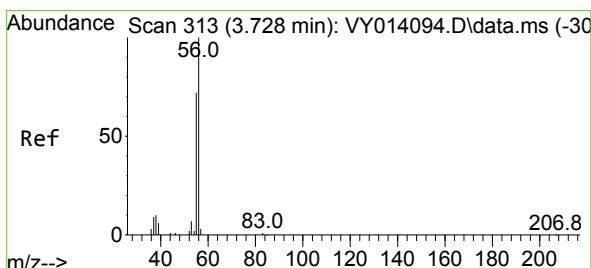
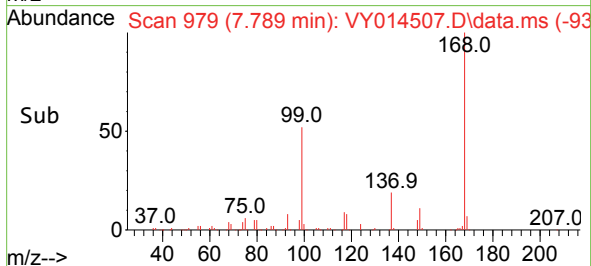
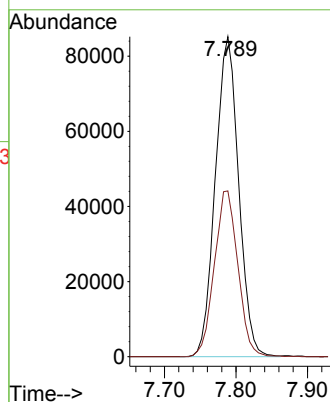
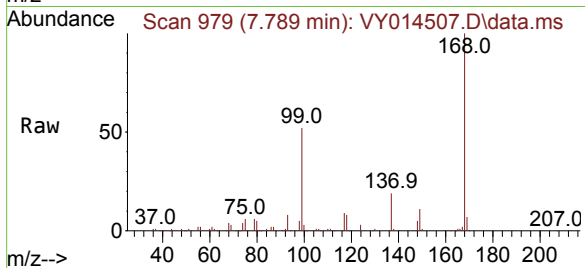




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014507.D
Acq: 29 Jun 2023 19:35

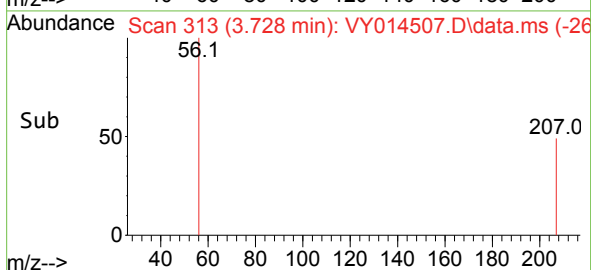
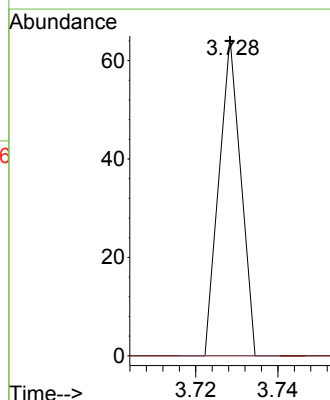
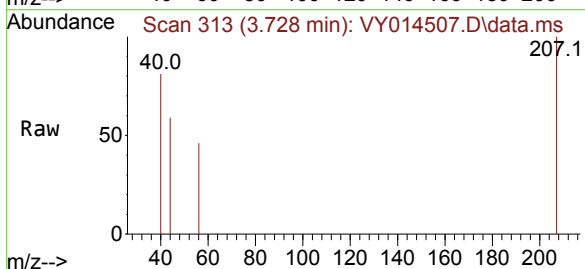
Instrument :
MSVOA_Y
ClientSampleId :
CMC-EME-TOPSOIL-009

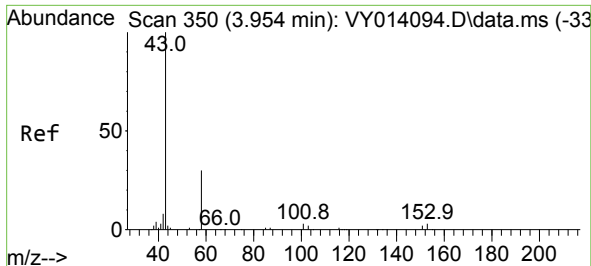
Tgt Ion:168 Resp: 192760
Ion Ratio Lower Upper
168 100
99 51.8 43.4 65.0



#13
Acrolein
Concen: 4.424 ug/l
RT: 3.728 min Scan# 313
Delta R.T. 0.000 min
Lab File: VY014507.D
Acq: 29 Jun 2023 19:35

Tgt Ion: 56 Resp: 24
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#





#16

Acetone

Concen: 1.146 ug/l

RT: 3.954 min Scan# 3

Delta R.T. -0.000 min

Lab File: VY014507.D

Acq: 29 Jun 2023 19:35

Instrument :

MSVOA_Y

ClientSampleId :

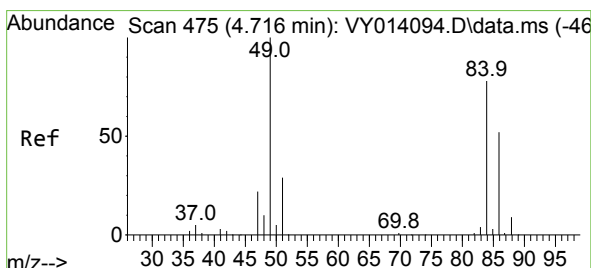
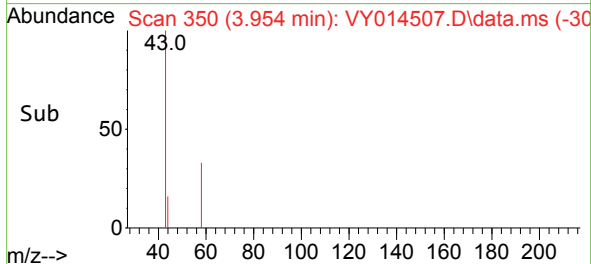
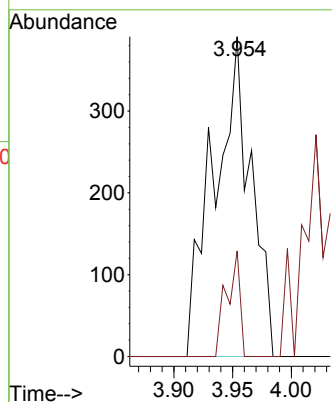
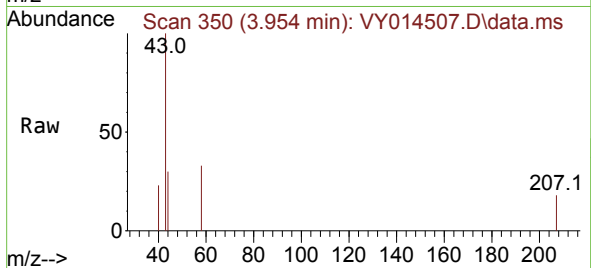
CMC-EME-TOPSOIL-009

Tgt Ion: 43 Resp: 863

Ion Ratio Lower Upper

43 100

58 33.0 22.7 34.1



#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY014507.D

Acq: 29 Jun 2023 19:35

Tgt Ion: 84 Resp: 6141

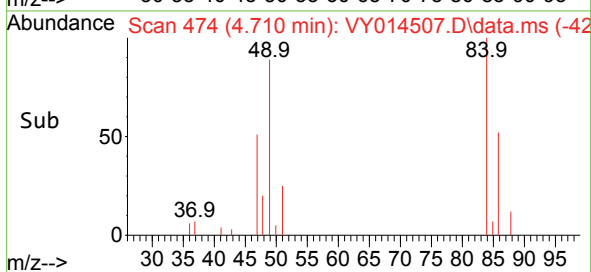
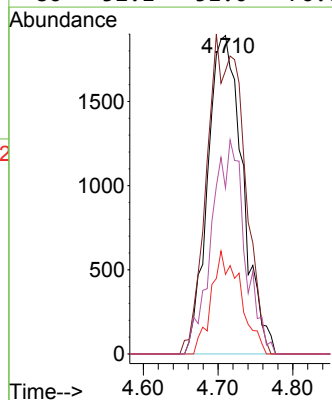
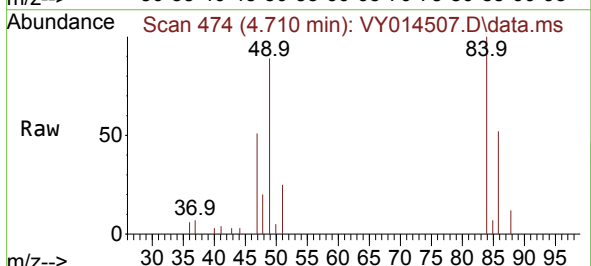
Ion Ratio Lower Upper

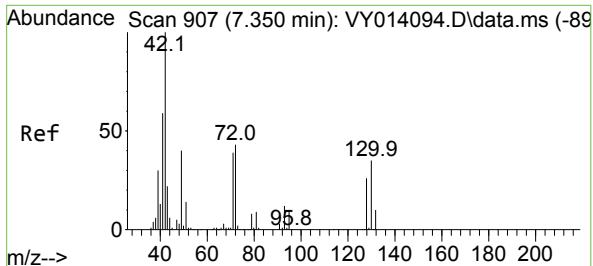
84 100

49 88.9 106.9 160.3#

51 25.0 33.2 49.8#

86 52.1 51.0 76.6





#29

Tetrahydrofuran

Concen: 1.439 ug/l

RT: 7.337 min Scan# 905

Delta R.T. -0.013 min

Lab File: VY014507.D

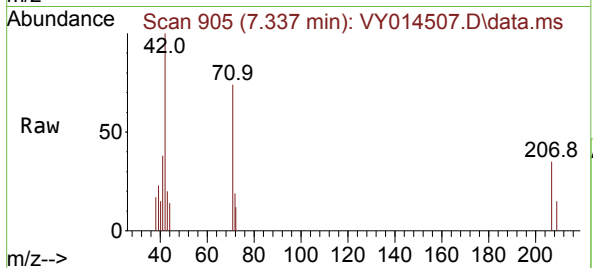
Acq: 29 Jun 2023 19:35

Instrument :

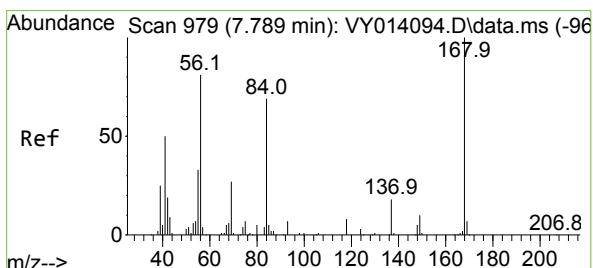
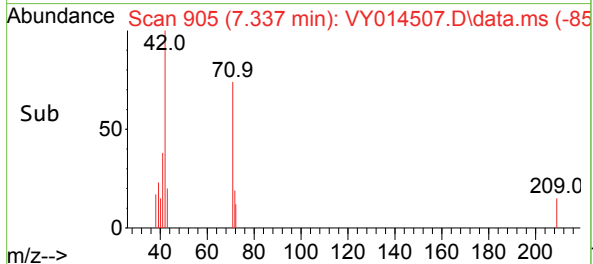
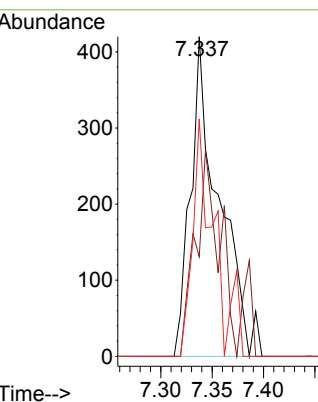
MSVOA_Y

ClientSampleId :

CMC-EME-TOPSOIL-009



Tgt Ion:	42	Resp:	805
Ion	Ratio	Lower	Upper
42	100		
72	54.7	32.8	49.2#
71	51.6	31.0	46.4#



#31

Cyclohexane

Concen: 1.357 ug/l

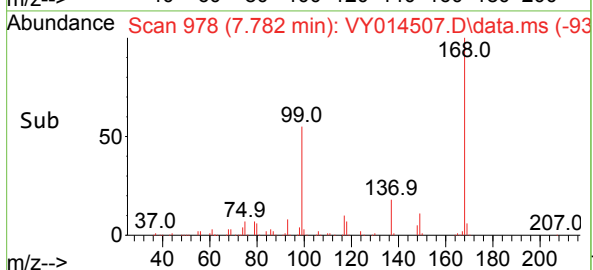
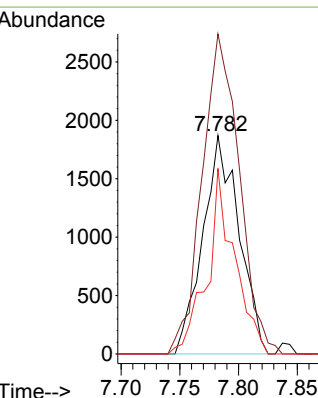
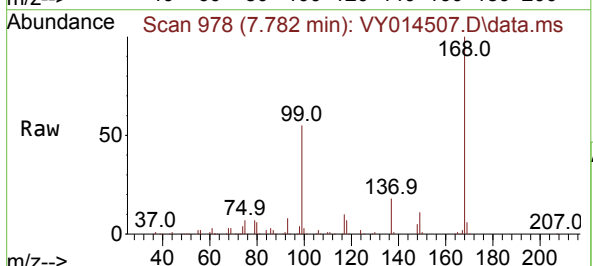
RT: 7.782 min Scan# 978

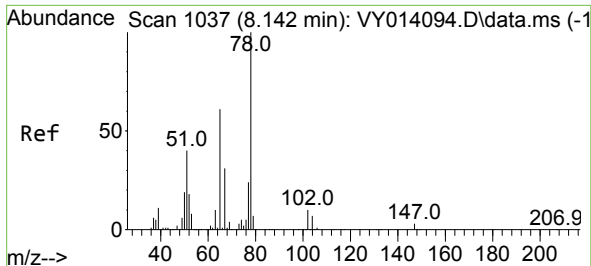
Delta R.T. -0.007 min

Lab File: VY014507.D

Acq: 29 Jun 2023 19:35

Tgt Ion:	56	Resp:	4012
Ion	Ratio	Lower	Upper
56	100		
69	146.5	27.8	41.6#
84	85.0	66.4	99.6

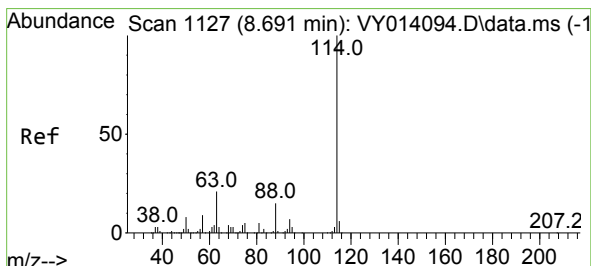
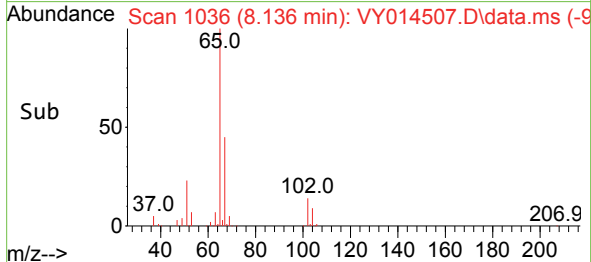
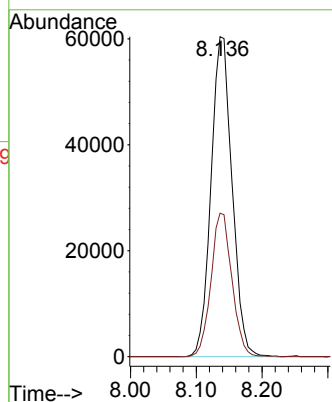
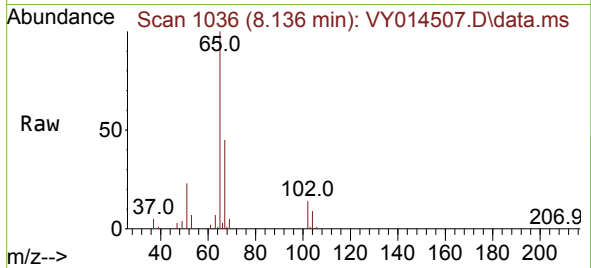




#33
1,2-Dichloroethane-d4
Concen: 56.186 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY014507.D
Acq: 29 Jun 2023 19:35

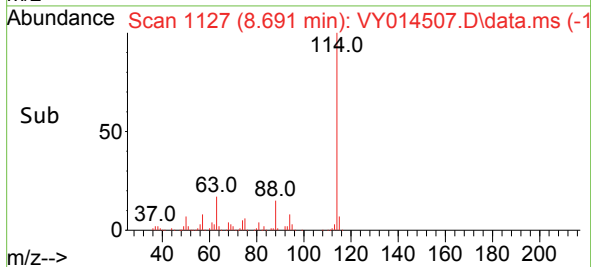
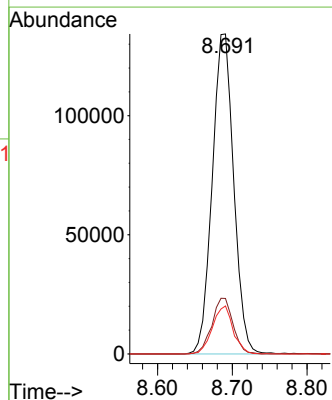
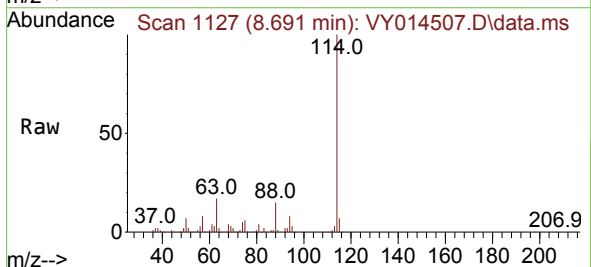
Instrument :
MSVOA_Y
ClientSampleId :
CMC-EME-TOPSOIL-009

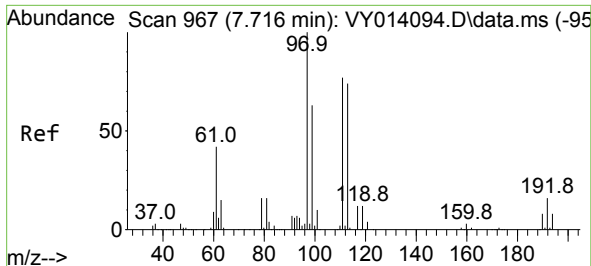
Tgt Ion: 65 Resp: 134470
Ion Ratio Lower Upper
65 100
67 44.7 0.0 101.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VY014507.D
Acq: 29 Jun 2023 19:35

Tgt Ion: 114 Resp: 268536
Ion Ratio Lower Upper
114 100
63 17.3 0.0 42.4
88 15.0 0.0 30.6

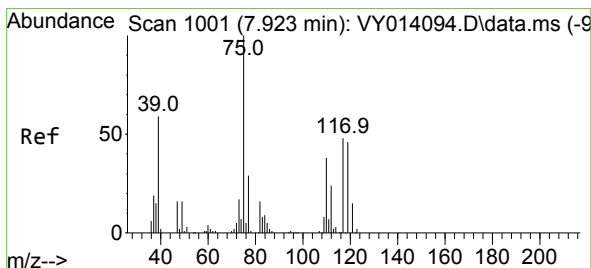
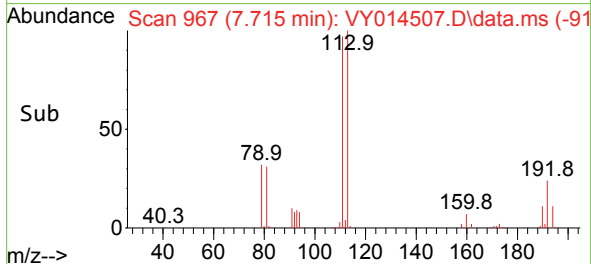
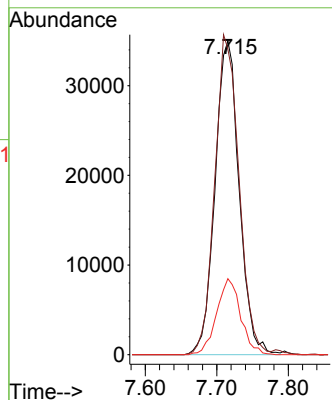
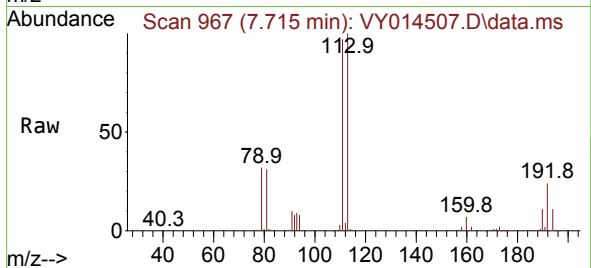




#35
Dibromofluoromethane
Concen: 49.431 ug/l
RT: 7.715 min Scan# 911
Delta R.T. -0.001 min
Lab File: VY014507.D
Acq: 29 Jun 2023 19:35

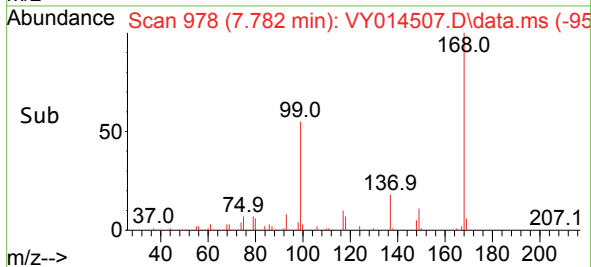
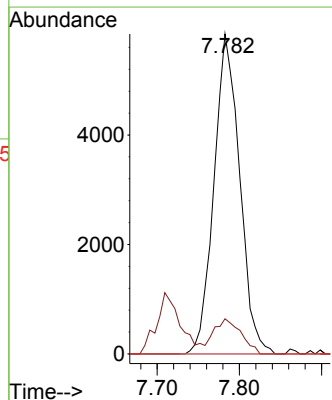
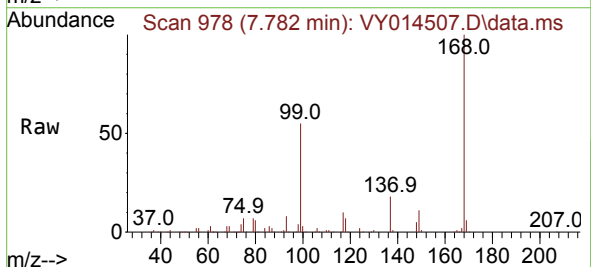
Instrument :
MSVOA_Y
ClientSampleId :
CMC-EME-TOPSOIL-009

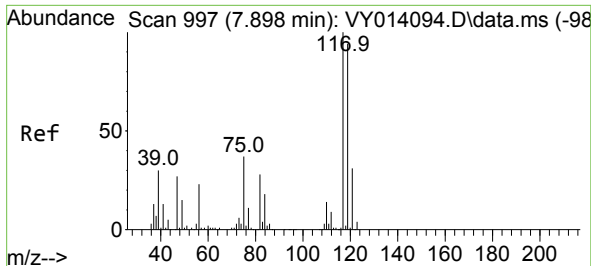
Tgt Ion:113 Resp: 82010
Ion Ratio Lower Upper
113 100
111 102.1 81.3 121.9
192 24.1 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.967 ug/l
RT: 7.782 min Scan# 978
Delta R.T. -0.141 min
Lab File: VY014507.D
Acq: 29 Jun 2023 19:35

Tgt Ion: 75 Resp: 12700
Ion Ratio Lower Upper
75 100
110 11.5 17.8 53.5#
77 0.0 24.4 36.6#

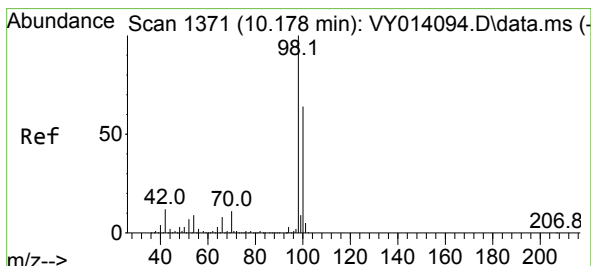
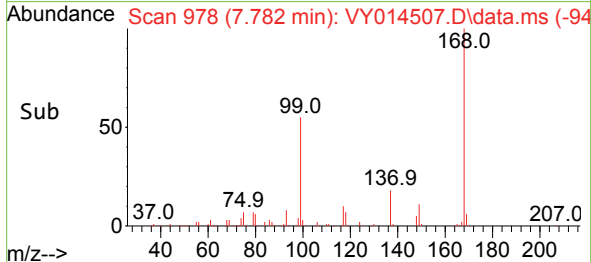
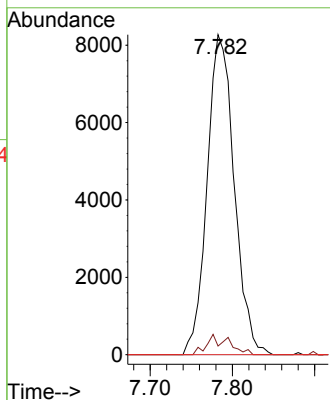
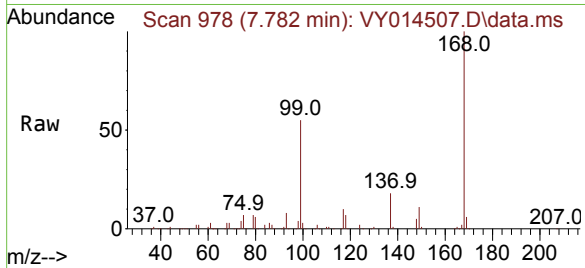




#38
Carbon Tetrachloride
Concen: 5.893 ug/l
RT: 7.782 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY014507.D
Acq: 29 Jun 2023 19:35

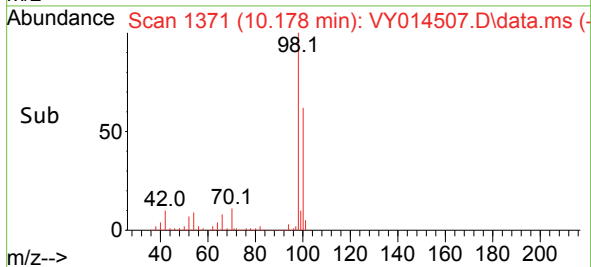
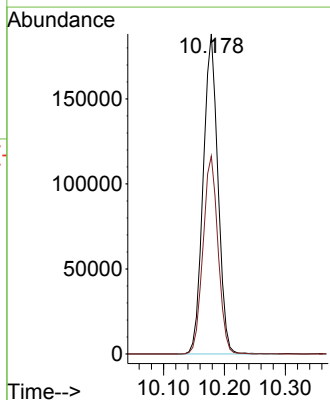
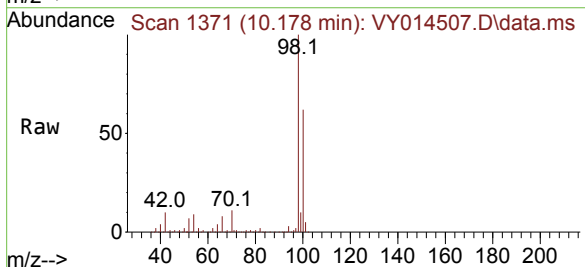
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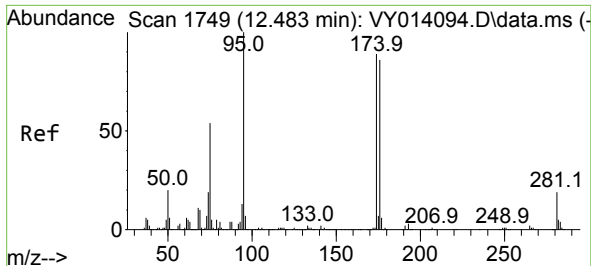
Tgt Ion:117 Resp: 18960
Ion Ratio Lower Upper
117 100
119 2.7 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 47.993 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY014507.D
Acq: 29 Jun 2023 19:35

Tgt Ion: 98 Resp: 316513
Ion Ratio Lower Upper
98 100
100 62.8 50.1 75.1

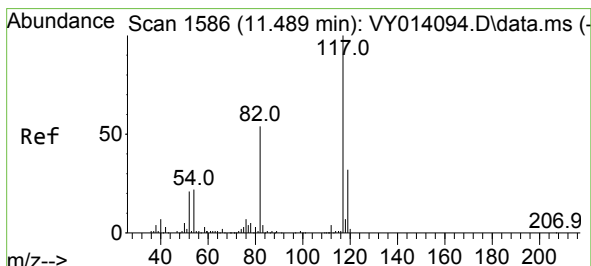
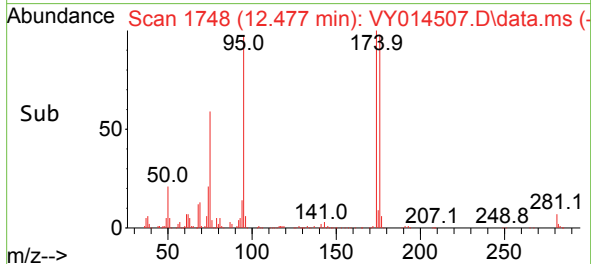
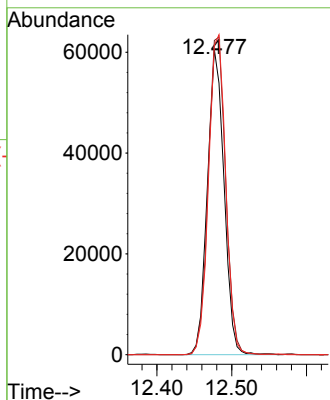
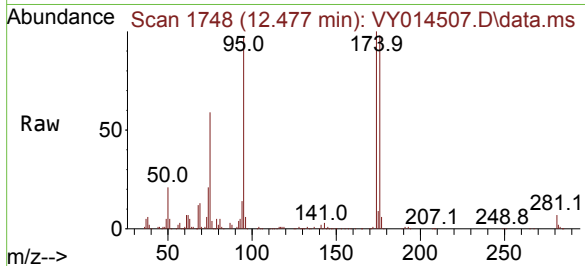




#62
4-Bromofluorobenzene
Concen: 39.904 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014507.D
Acq: 29 Jun 2023 19:35

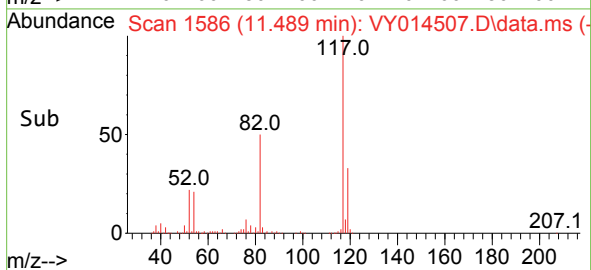
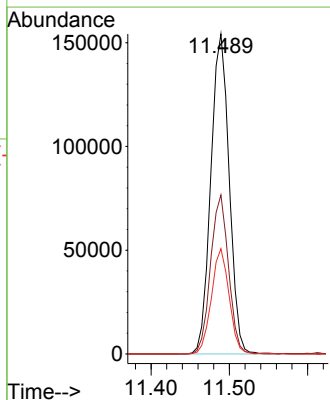
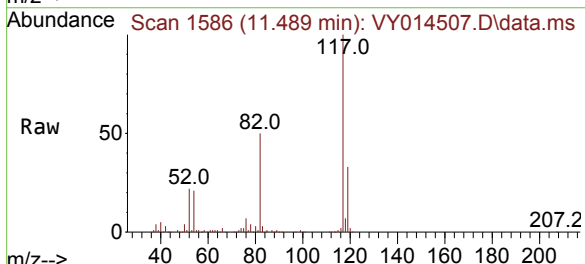
Instrument :
MSVOA_Y
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CMC-EME-TOPSOIL-009

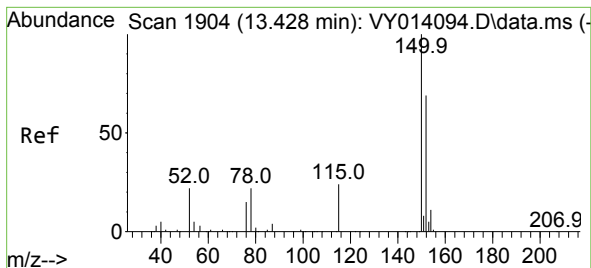
Tgt Ion:	95	Resp:	93951
Ion	Ratio	Lower	Upper
95	100		
174	109.5	0.0	178.2
176	107.6	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014507.D
Acq: 29 Jun 2023 19:35

Tgt Ion:	117	Resp:	250895
Ion	Ratio	Lower	Upper
117	100		
82	49.7	43.4	65.0
119	32.9	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: VY014507.D

Acq: 29 Jun 2023 19:35

Instrument :

MSVOA_Y

ClientSampleId :

CMC-EME-TOPSOIL-009

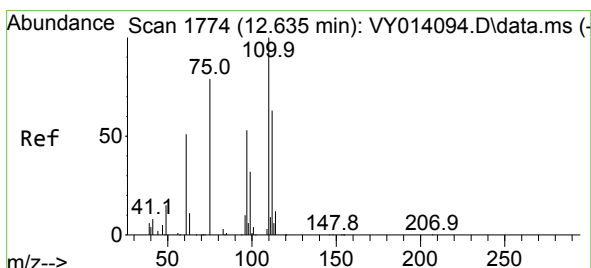
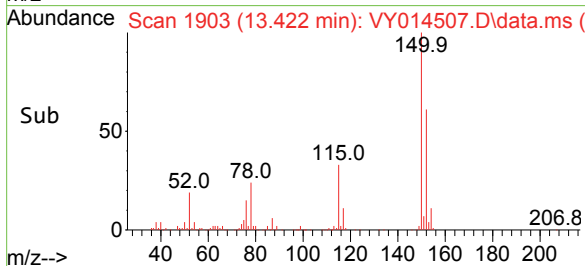
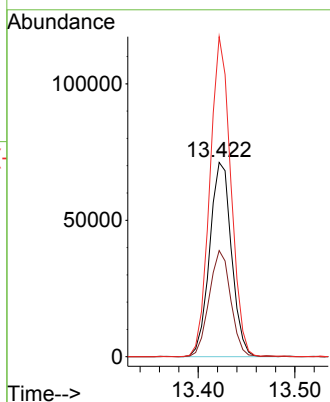
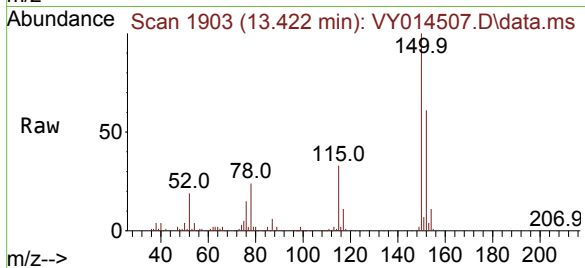
Tgt Ion:152 Resp: 111752

Ion Ratio Lower Upper

152 100

115 53.8 28.8 86.5

150 158.1 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 40.448 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

Lab File: VY014507.D

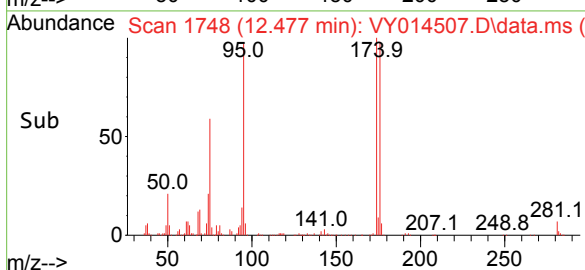
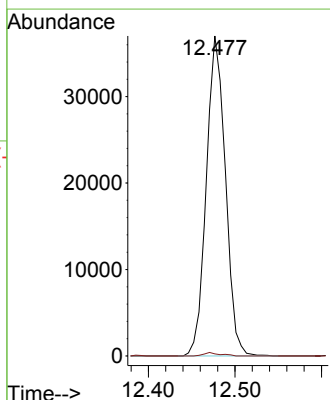
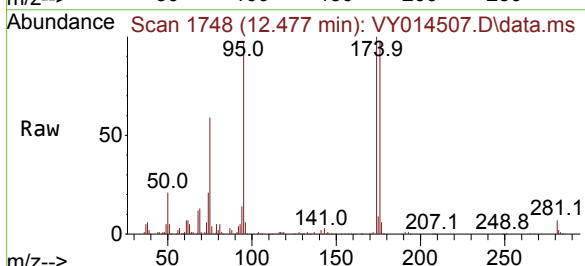
Acq: 29 Jun 2023 19:35

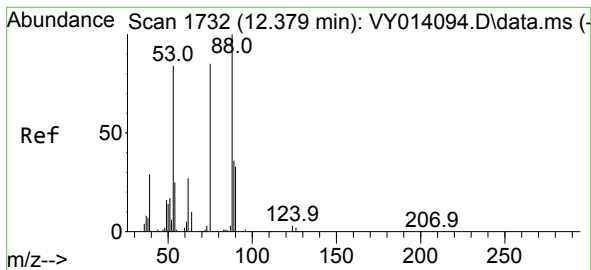
Tgt Ion: 75 Resp: 56701

Ion Ratio Lower Upper

75 100

77 0.9 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.086 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY014507.D
 Acq: 29 Jun 2023 19:35

Instrument :
 MSVOA_Y
 ClientSampleId :
 CMC-EME-TOPSOIL-009

Tgt Ion: 75 Resp: 56701
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 37.4 56.0#

