

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061323\
 Data File : VY014139.D
 Acq On : 13 Jun 2023 15:06
 Operator : KP/MD
 Sample : 03141-02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CMC-EME-Topsoil-002

Quant Time: Jun 14 01:35:43 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)

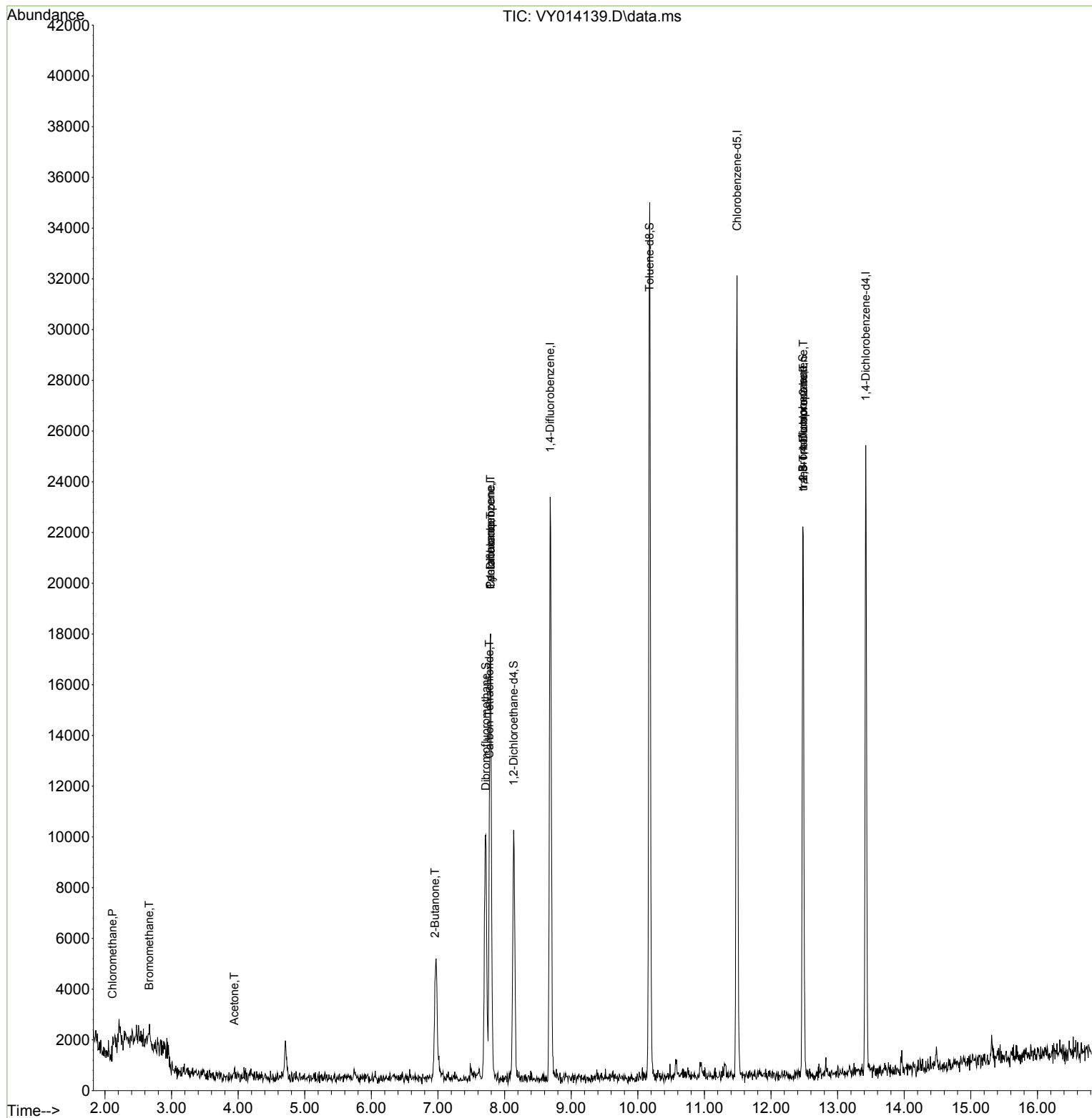
Internal Standards						
1) Pentafluorobenzene	7.789	168	13440	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	19977	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	17167	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	6955	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	8002	42.756	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	85.520%		
35) Dibromofluoromethane	7.716	113	6647	46.918	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.840%		
50) Toluene-d8	10.179	98	23621	44.597	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	89.200%		
62) 4-Bromofluorobenzene	12.477	95	5647	30.013	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	60.020%		
Target Compounds						Qvalue
3) Chloromethane	2.113	50	191	1.006	ug/l #	77
5) Bromomethane	2.662	94	276	1.812	ug/l	96
16) Acetone	3.942	43	216	3.829	ug/l #	46
25) 2-Butanone	6.954	43	295	4.248	ug/l #	49
31) Cyclohexane	7.789	56	297	1.185	ug/l #	80
36) 1,1-Dichloropropene	7.789	75	1159	5.247	ug/l #	41
38) Carbon Tetrachloride	7.771	117	1447	5.677	ug/l #	12
76) 1,2,3-Trichloropropane	12.483	75	3653	40.034	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	3653	86.538	ug/l #	10

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

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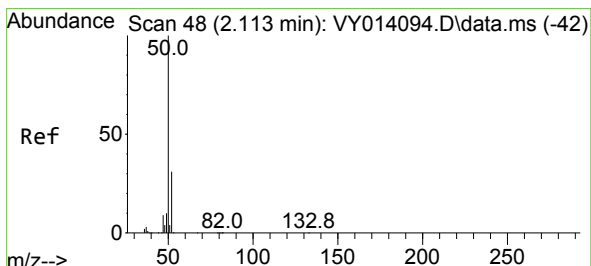
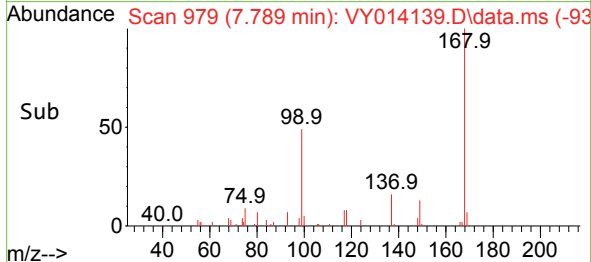
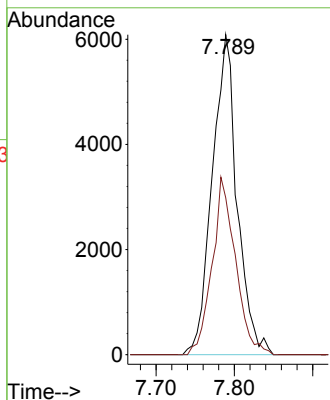
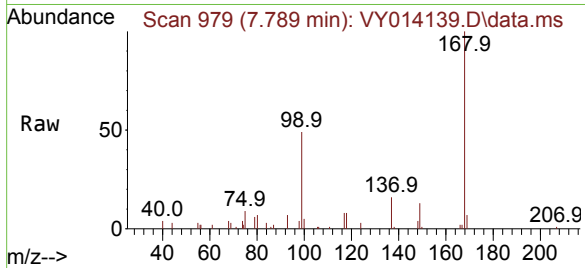




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014139.D
Acq: 13 Jun 2023 15:06

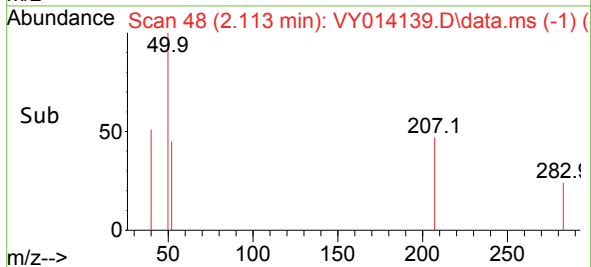
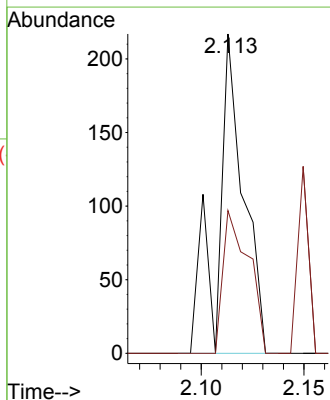
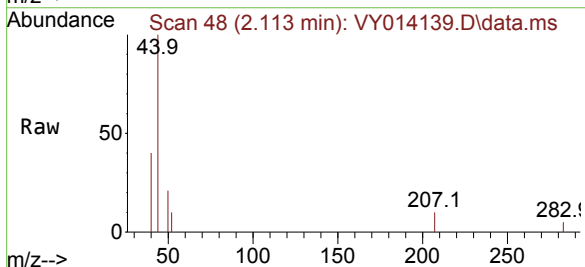
Instrument :
MSVOA_Y
ClientSampleId :
CMC-EME-Topsoil-002

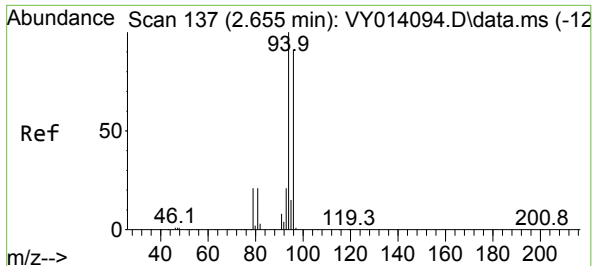
Tgt Ion:168 Resp: 13440
Ion Ratio Lower Upper
168 100
99 49.0 43.4 65.0



#3
Chloromethane
Concen: 1.006 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY014139.D
Acq: 13 Jun 2023 15:06

Tgt Ion: 50 Resp: 191
Ion Ratio Lower Upper
50 100
52 44.7 25.4 38.2#

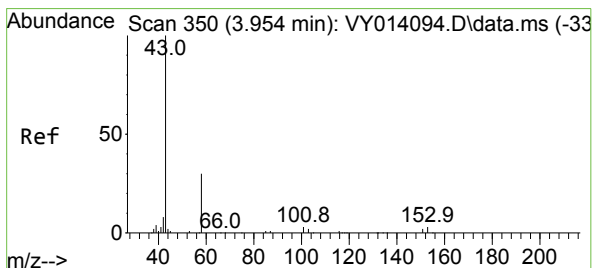
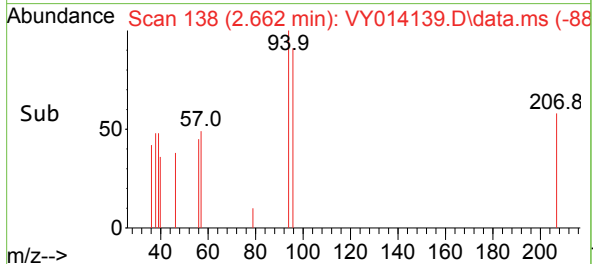
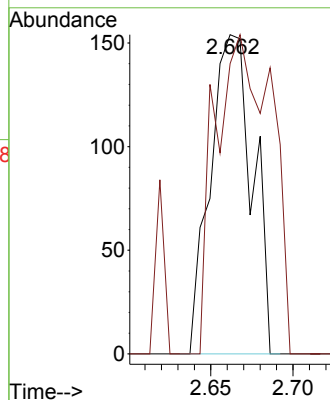
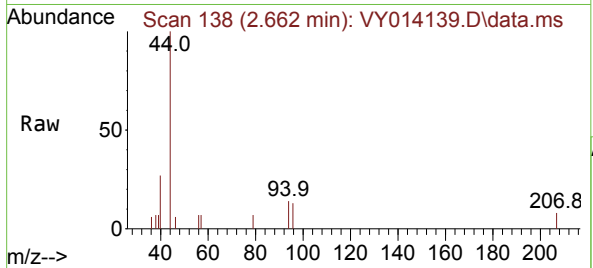




#5
Bromomethane
Concen: 1.812 ug/l
RT: 2.662 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY014139.D
Acq: 13 Jun 2023 15:06

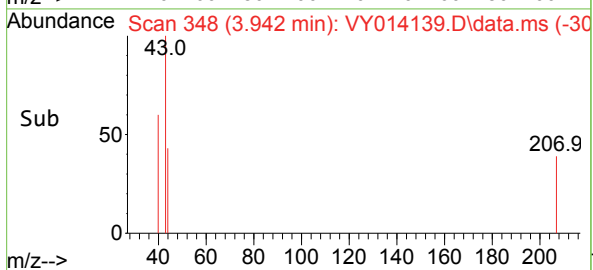
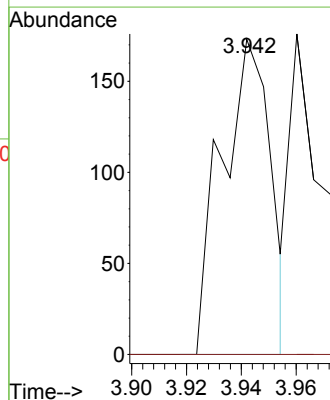
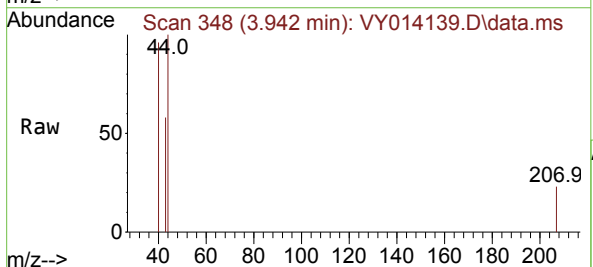
Instrument :
MSVOA_Y
ClientSampleId :
CMC-EME-Topsoil-002

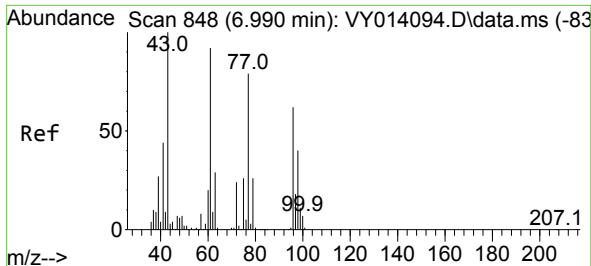
Tgt Ion: 94 Resp: 276
Ion Ratio Lower Upper
94 100
96 90.9 75.8 113.6



#16
Acetone
Concen: 3.829 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.012 min
Lab File: VY014139.D
Acq: 13 Jun 2023 15:06

Tgt Ion: 43 Resp: 216
Ion Ratio Lower Upper
43 100
58 0.0 22.7 34.1#

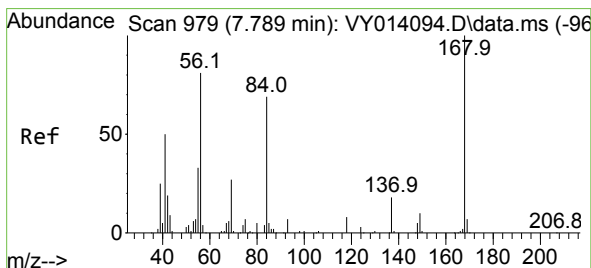
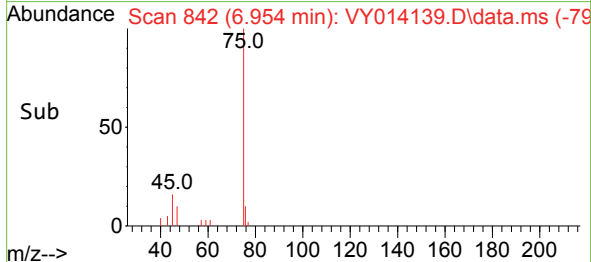
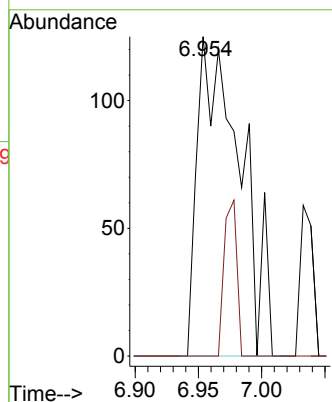
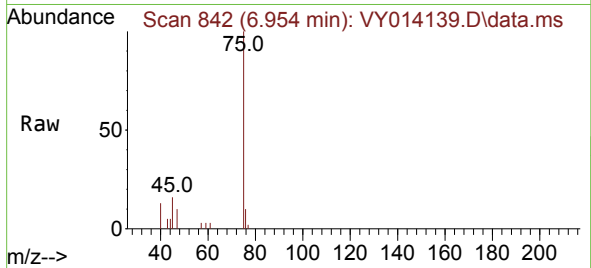




#25
2-Butanone
Concen: 4.248 ug/l
RT: 6.954 min Scan# 842
Delta R.T. -0.036 min
Lab File: VY014139.D
Acq: 13 Jun 2023 15:06

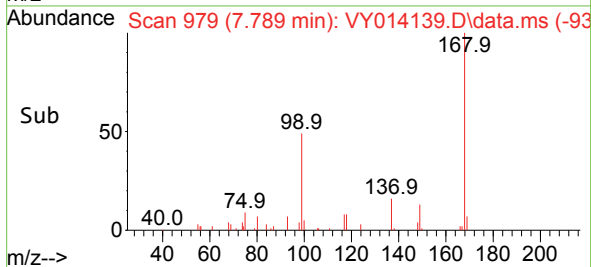
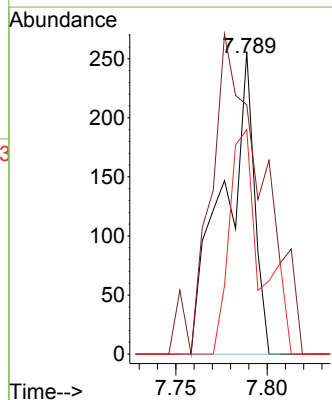
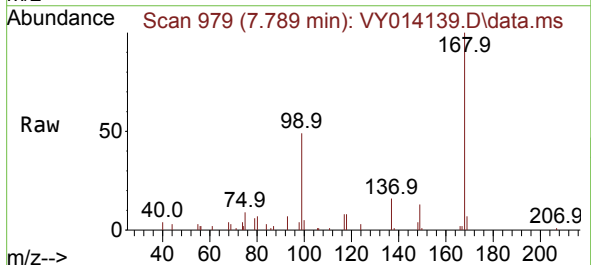
Instrument :
MSVOA_Y
ClientSampleId :
CMC-EME-Topsoil-002

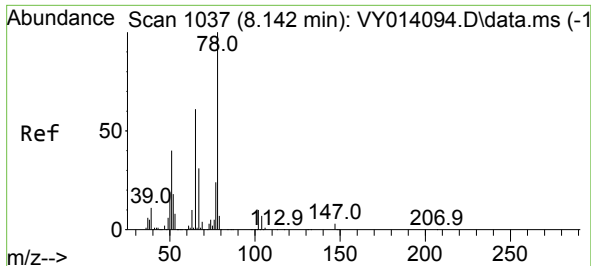
Tgt Ion: 43 Resp: 295
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#



#31
Cyclohexane
Concen: 1.185 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.000 min
Lab File: VY014139.D
Acq: 13 Jun 2023 15:06

Tgt Ion: 56 Resp: 297
Ion Ratio Lower Upper
56 100
69 61.3 27.8 41.6#
84 74.2 66.4 99.6





#33

1,2-Dichloroethane-d4

Concen: 42.756 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY014139.D

Acq: 13 Jun 2023 15:06

Instrument :

MSVOA_Y

ClientSampleId :

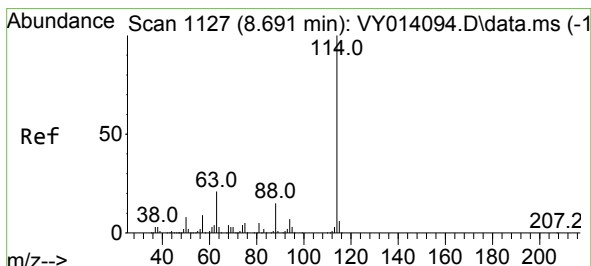
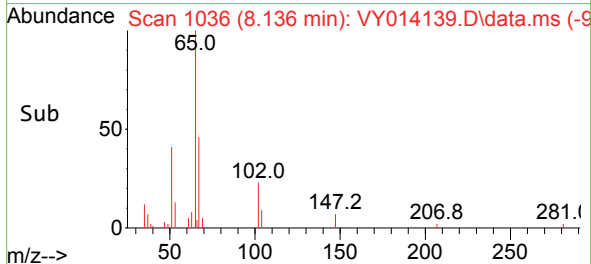
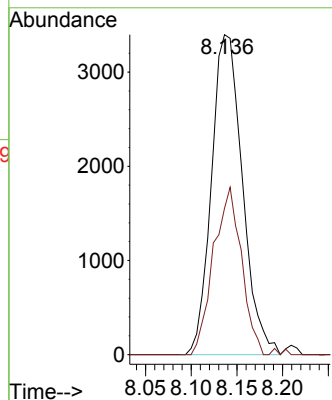
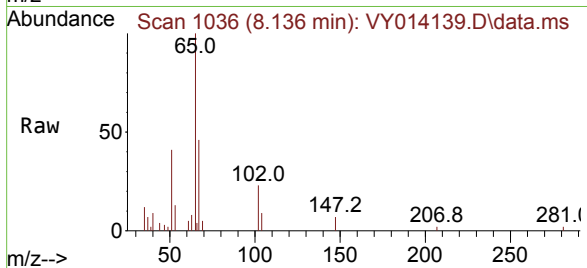
CMC-EME-Topsoil-002

Tgt Ion: 65 Resp: 8002

Ion Ratio Lower Upper

65 100

67 47.2 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: VY014139.D

Acq: 13 Jun 2023 15:06

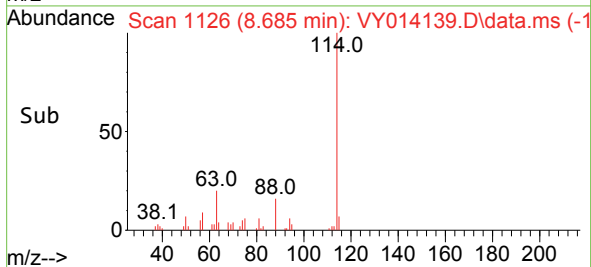
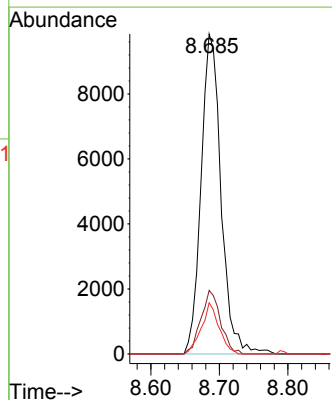
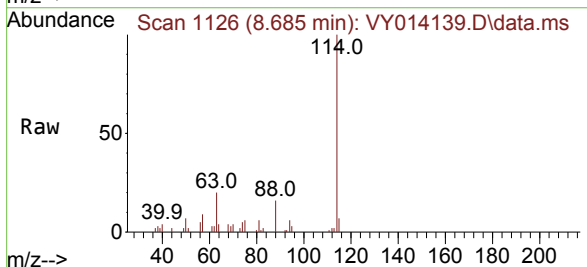
Tgt Ion: 114 Resp: 19977

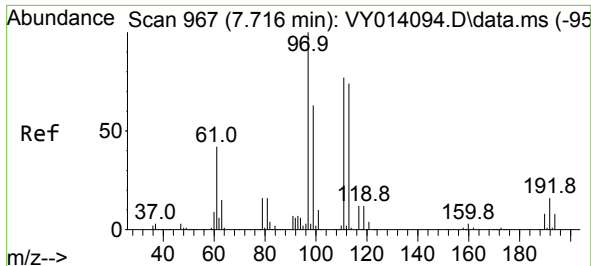
Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.4

88 16.0 0.0 30.6

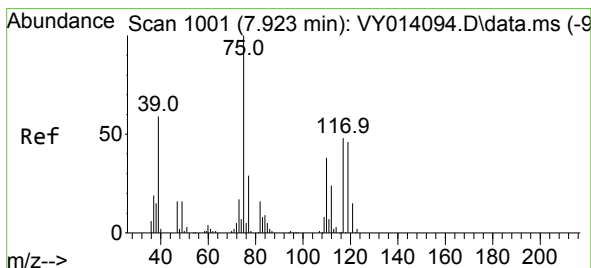
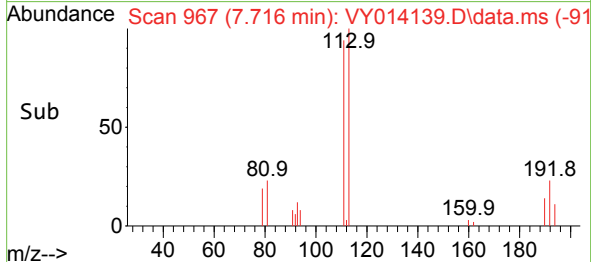
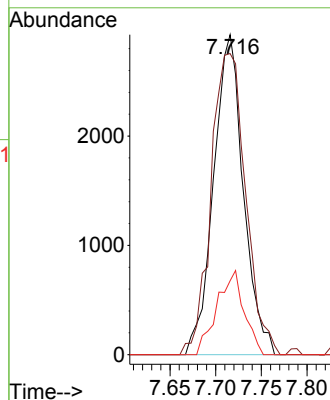
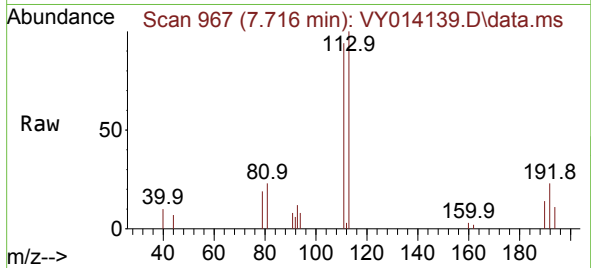




#35
Dibromofluoromethane
Concen: 46.918 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY014139.D
Acq: 13 Jun 2023 15:06

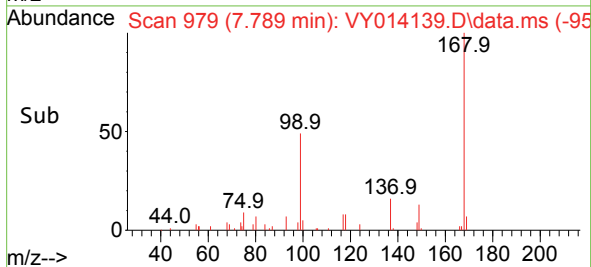
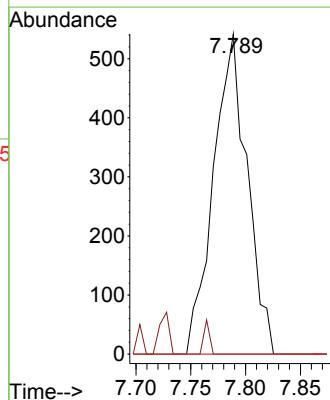
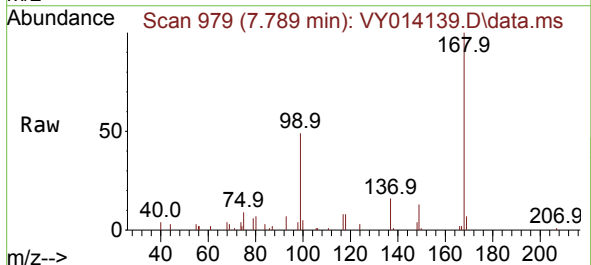
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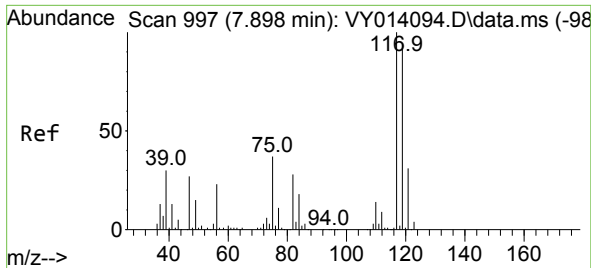
Tgt Ion:113 Resp: 6647
Ion Ratio Lower Upper
113 100
111 108.9 81.3 121.9
192 24.0 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.247 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY014139.D
Acq: 13 Jun 2023 15:06

Tgt Ion: 75 Resp: 1159
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.5#
77 0.0 24.4 36.6#

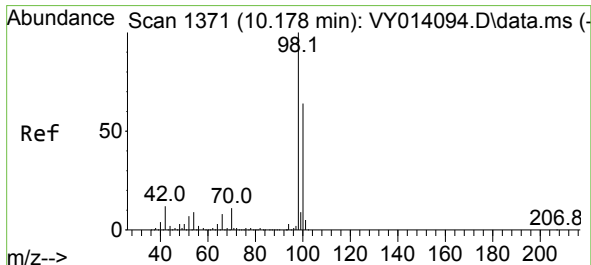
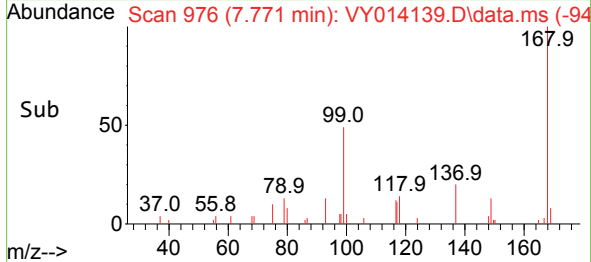
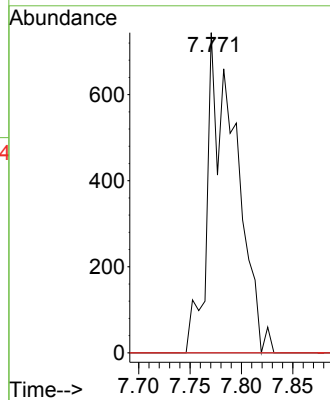
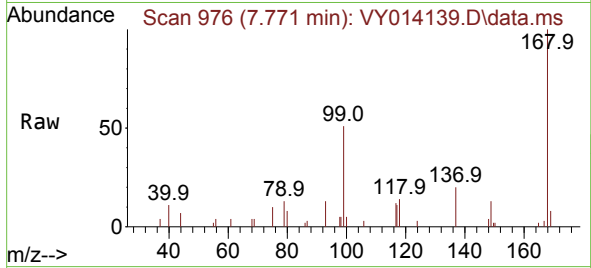




#38
Carbon Tetrachloride
Concen: 5.677 ug/l
RT: 7.771 min Scan# 91
Delta R.T. -0.127 min
Lab File: VY014139.D
Acq: 13 Jun 2023 15:06

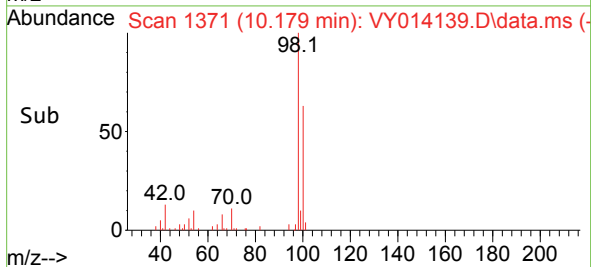
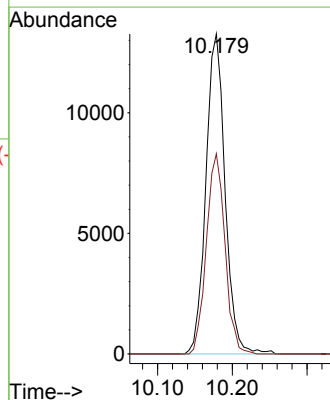
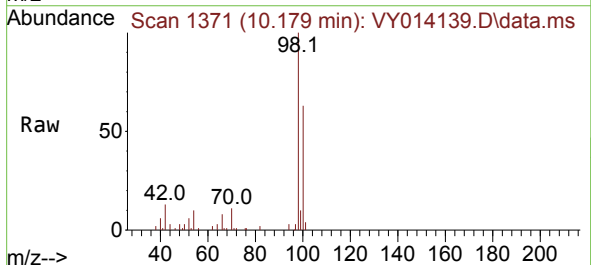
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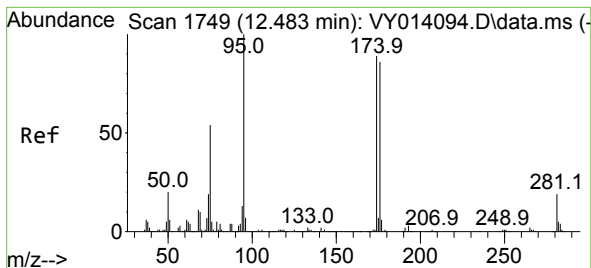
Tgt Ion:117 Resp: 1447
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 44.597 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014139.D
Acq: 13 Jun 2023 15:06

Tgt Ion: 98 Resp: 23621
Ion Ratio Lower Upper
98 100
100 60.8 50.1 75.1

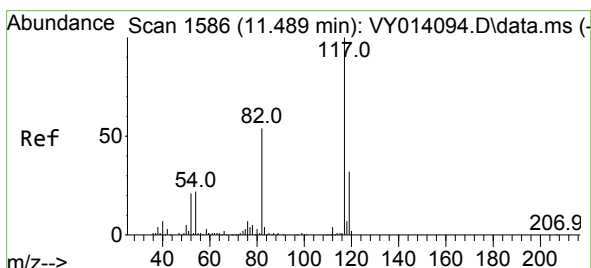
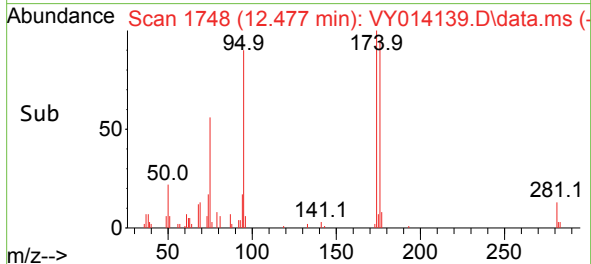
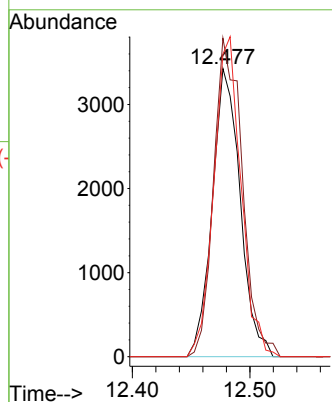
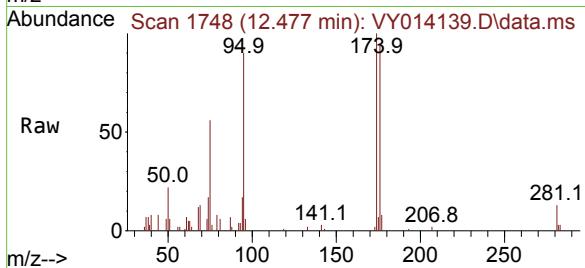




#62
4-Bromofluorobenzene
Concen: 30.013 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014139.D
Acq: 13 Jun 2023 15:06

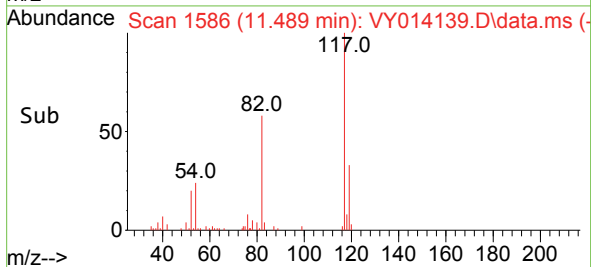
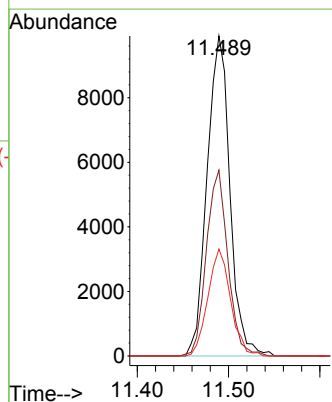
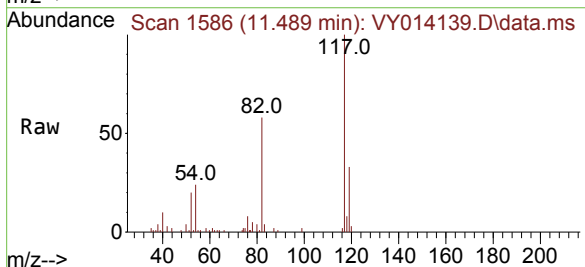
Instrument :
MSVOA_Y
ClientSampleId :
CMC-EME-Topsoil-002

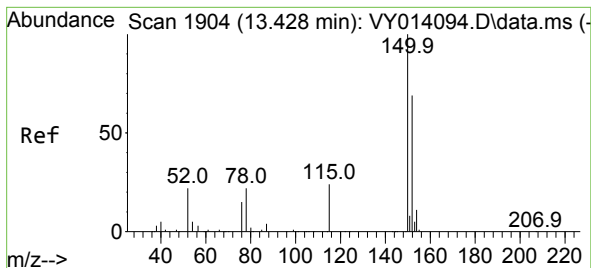
Tgt Ion: 95 Resp: 5647
Ion Ratio Lower Upper
95 100
174 113.3 0.0 178.2
176 108.3 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014139.D
Acq: 13 Jun 2023 15:06

Tgt Ion: 117 Resp: 17167
Ion Ratio Lower Upper
117 100
82 58.0 43.4 65.0
119 33.4 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: VY014139.D

Acq: 13 Jun 2023 15:06

Instrument :

MSVOA_Y

ClientSampleId :

CMC-EME-Topsoil-002

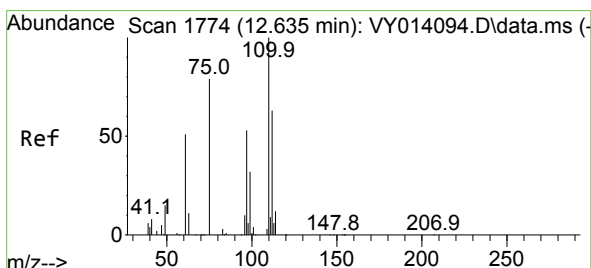
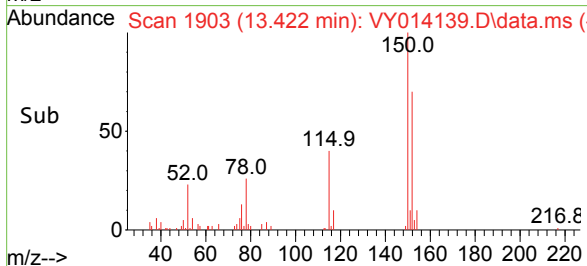
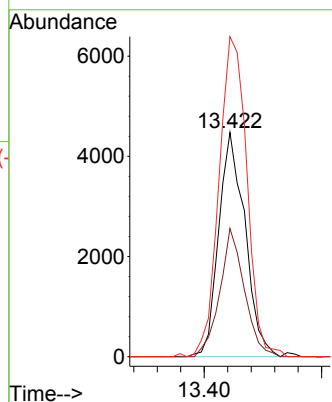
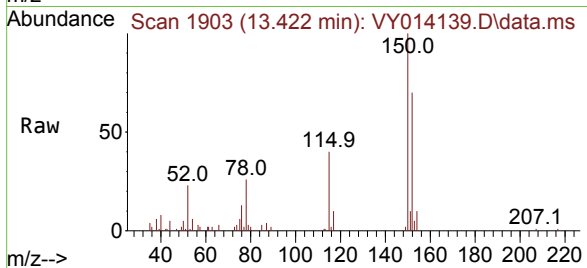
Tgt Ion:152 Resp: 6955

Ion Ratio Lower Upper

152 100

115 53.7 28.8 86.5

150 151.5 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 40.034 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY014139.D

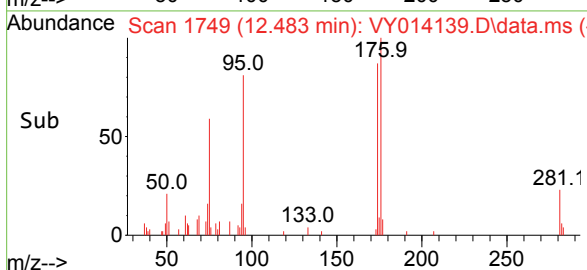
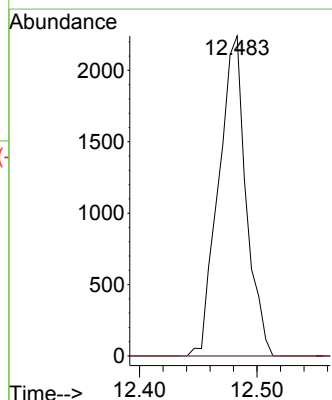
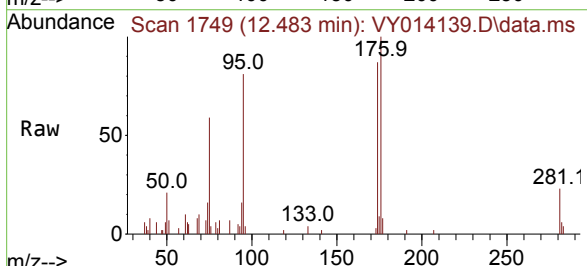
Acq: 13 Jun 2023 15:06

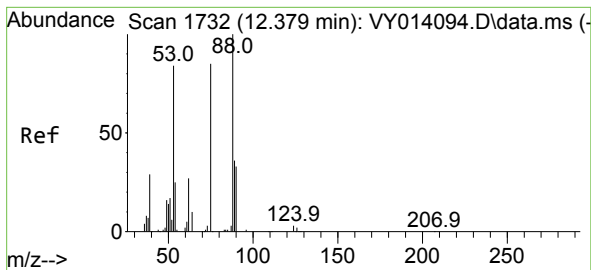
Tgt Ion: 75 Resp: 3653

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 86.538 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY014139.D
 Acq: 13 Jun 2023 15:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 CMC-EME-Topsoil-002

Tgt Ion: 75 Resp: 3653
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 37.4 56.0#

