

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032023\
 Data File : VY013016.D
 Acq On : 20 Mar 2023 18:24
 Operator : KP/MD
 Sample : 02018-01
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DAHMER-ROCKY-SOIL

Quant Time: Mar 21 01:15:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

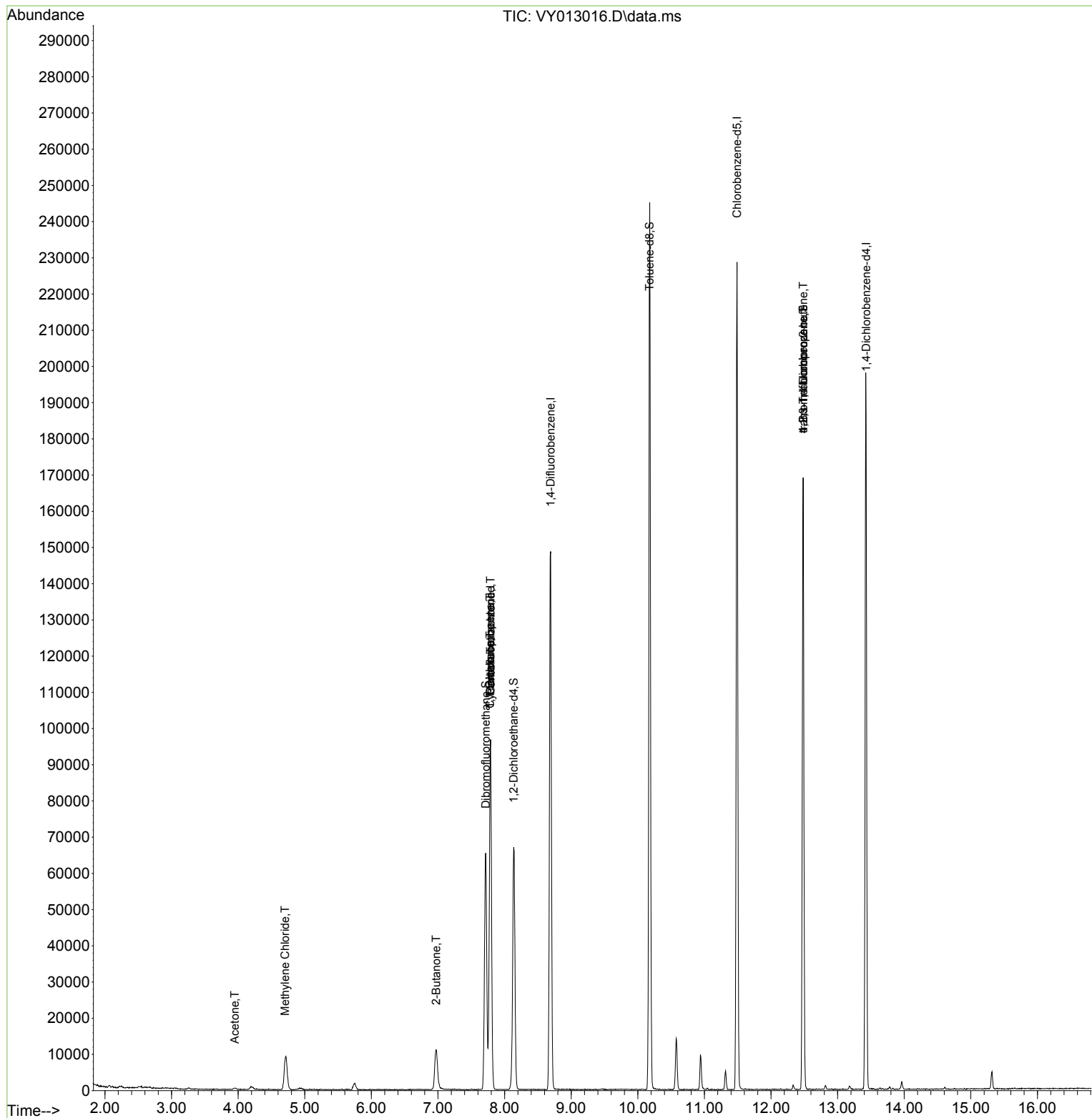
Internal Standards						
1) Pentafluorobenzene	7.789	168	75468	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	125432	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	119942	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	51062	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	50542	67.452	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 134.900%			
35) Dibromofluoromethane	7.716	113	45829	60.542	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 121.080%			
50) Toluene-d8	10.179	98	156966	56.720	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 113.440%			
62) 4-Bromofluorobenzene	12.483	95	46868	50.177	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.360%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.948	59	646	Below Cal	#	74
16) Acetone	3.948	43	729	2.479	ug/l	96
20) Methylene Chloride	4.704	84	6964	2.674	ug/l	84
25) 2-Butanone	6.972	43	736	2.020	ug/l	# 49
31) Cyclohexane	7.783	56	1546	1.077	ug/l	# 1
36) 1,1-Dichloropropene	7.783	75	5989	4.721	ug/l	# 48
38) Carbon Tetrachloride	7.789	117	7370	5.626	ug/l	# 18
76) 1,2,3-Trichloropropane	12.483	75	24592	40.330	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	24592	83.566	ug/l	# 13

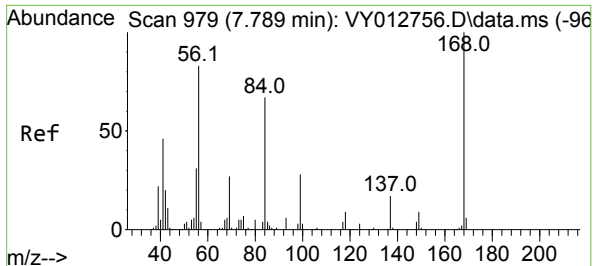
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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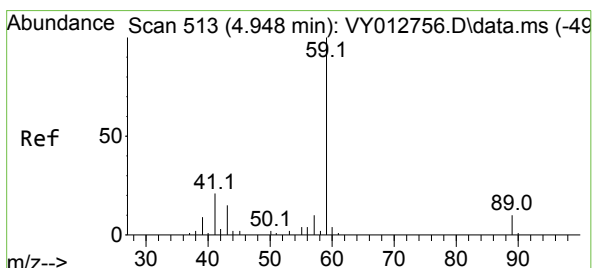
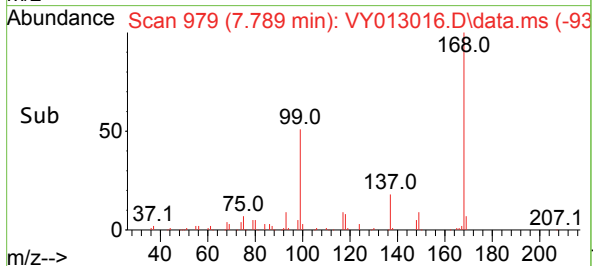
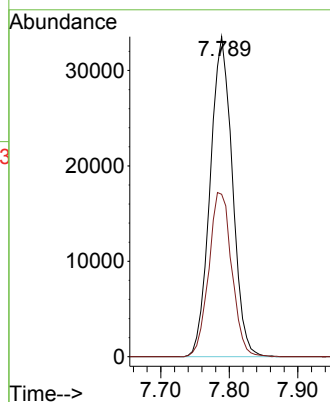
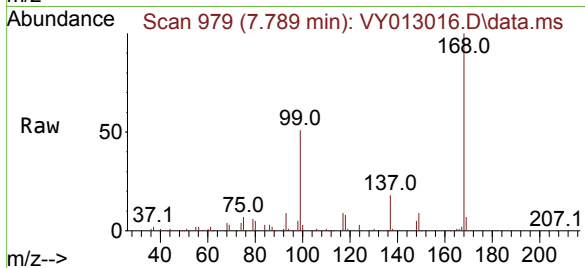




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013016.D
Acq: 20 Mar 2023 18:24

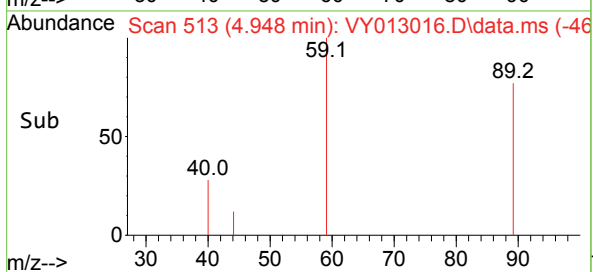
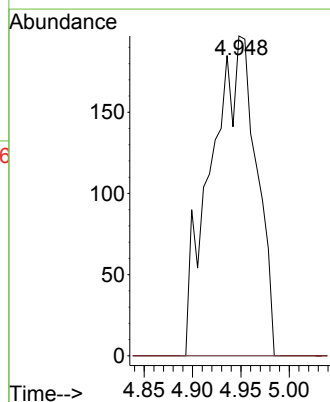
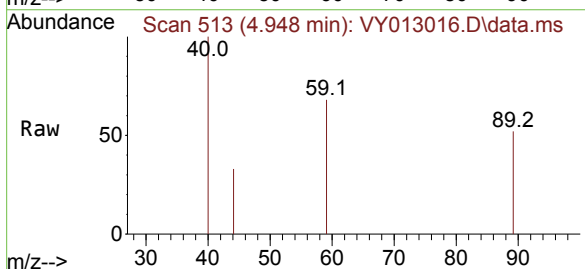
Instrument :
MSVOA_Y
ClientSampleId :
DAHMER-ROCKY-SOIL

Tgt Ion:168 Resp: 75468
Ion Ratio Lower Upper
168 100
99 50.7 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. -0.000 min
Lab File: VY013016.D
Acq: 20 Mar 2023 18:24

Tgt Ion: 59 Resp: 646
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#





#16

Acetone

Concen: 2.479 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY013016.D

Acq: 20 Mar 2023 18:24

Instrument :

MSVOA_Y

ClientSampleId :

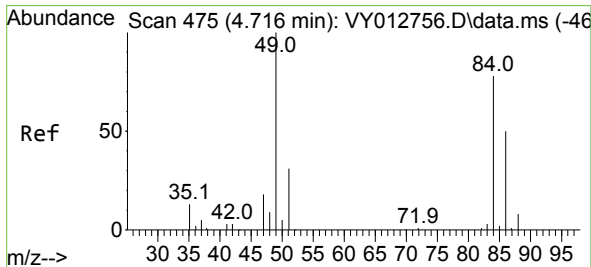
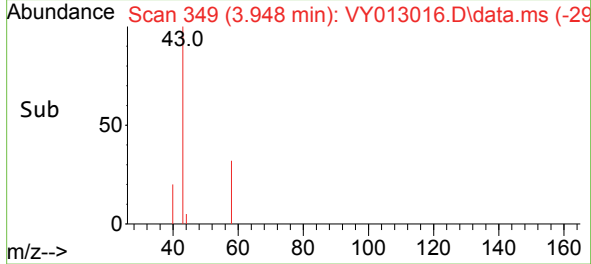
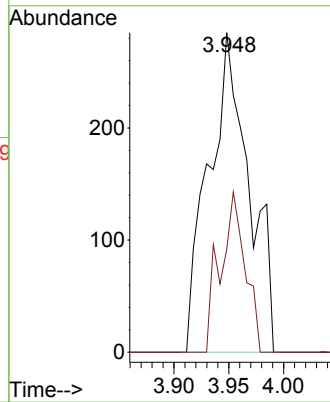
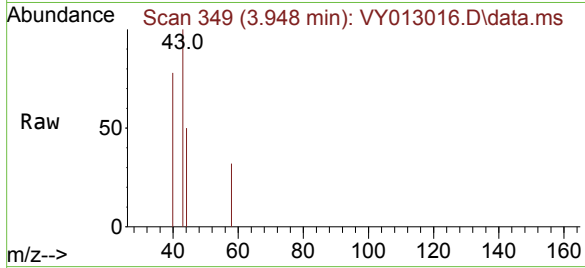
DAHMER-ROCKY-SOIL

Tgt Ion: 43 Resp: 729

Ion Ratio Lower Upper

43 100

58 32.3 24.2 36.2



#20

Methylene Chloride

Concen: 2.674 ug/l

RT: 4.704 min Scan# 473

Delta R.T. -0.012 min

Lab File: VY013016.D

Acq: 20 Mar 2023 18:24

Tgt Ion: 84 Resp: 6964

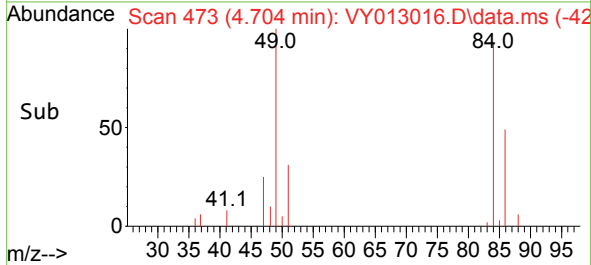
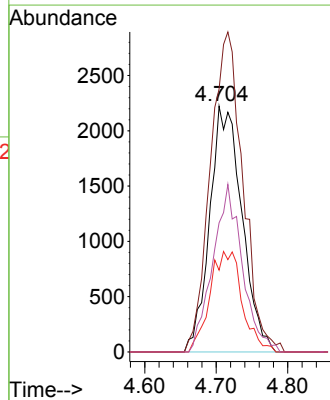
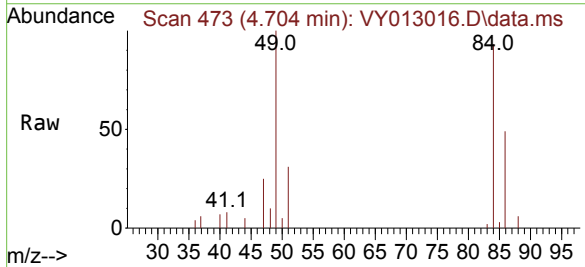
Ion Ratio Lower Upper

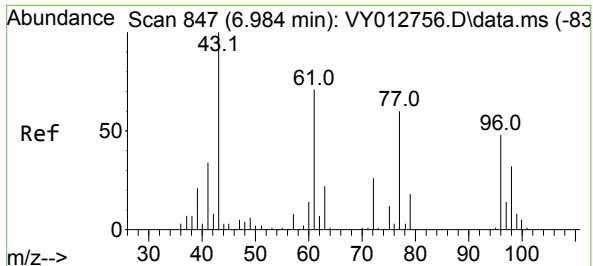
84 100

49 107.0 102.6 154.0

51 33.2 31.9 47.9

86 52.5 51.0 76.6





#25

2-Butanone

Concen: 2.020 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.012 min

Lab File: VY013016.D

Acq: 20 Mar 2023 18:24

Instrument :

MSVOA_Y

ClientSampleId :

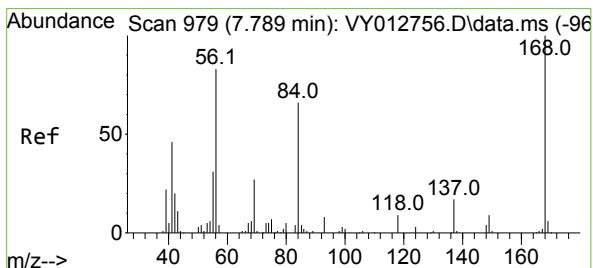
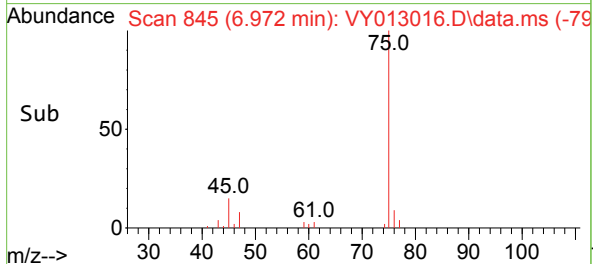
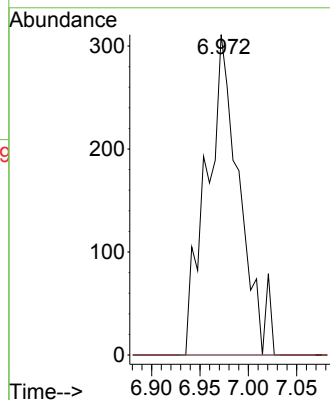
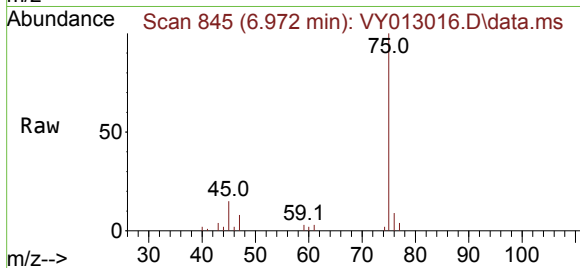
DAHMER-ROCKY-SOIL

Tgt Ion: 43 Resp: 736

Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.4#



#31

Cyclohexane

Concen: 1.077 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.006 min

Lab File: VY013016.D

Acq: 20 Mar 2023 18:24

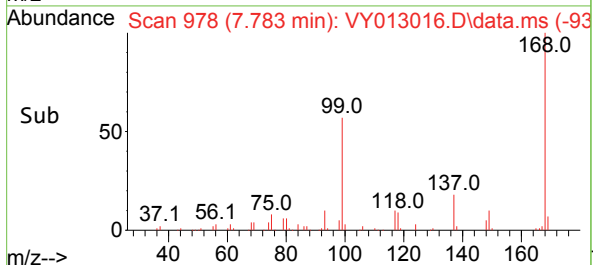
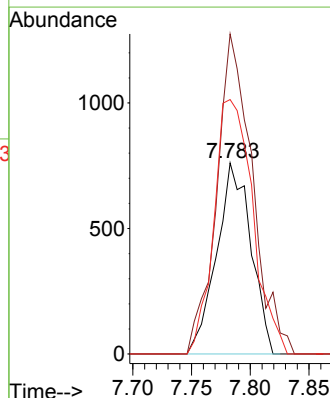
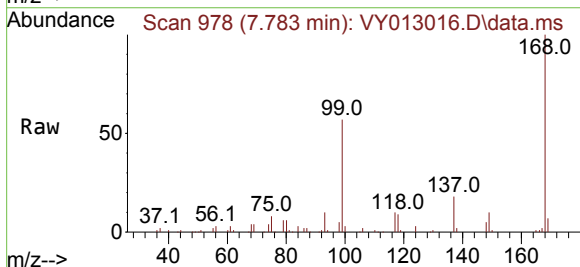
Tgt Ion: 56 Resp: 1546

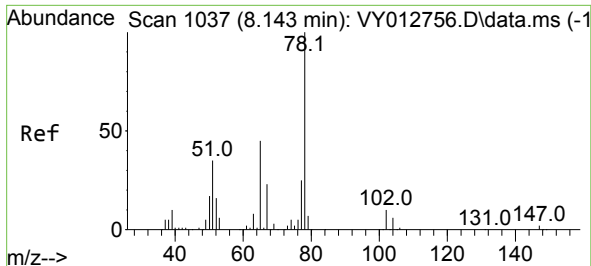
Ion Ratio Lower Upper

56 100

69 167.5 25.7 38.5#

84 133.2 64.3 96.5#

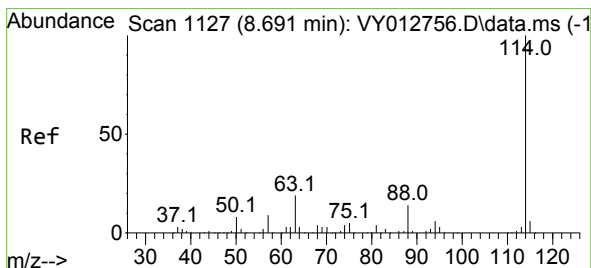
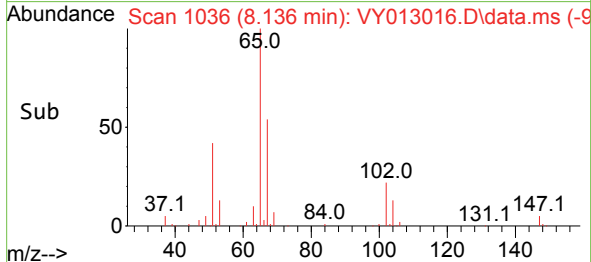
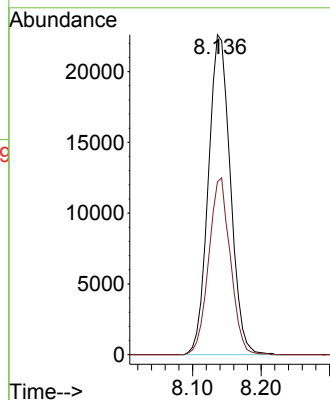
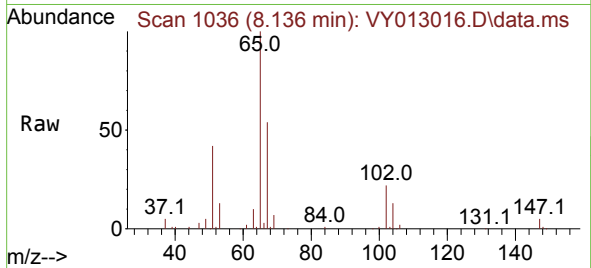




#33
 1,2-Dichloroethane-d4
 Concen: 67.452 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. -0.007 min
 Lab File: VY013016.D
 Acq: 20 Mar 2023 18:24

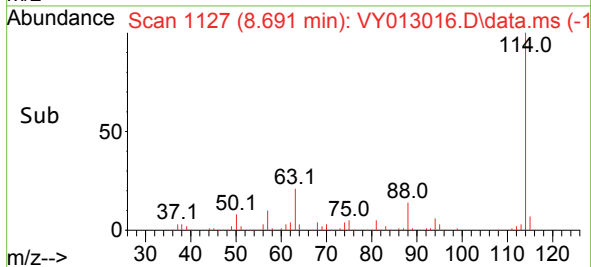
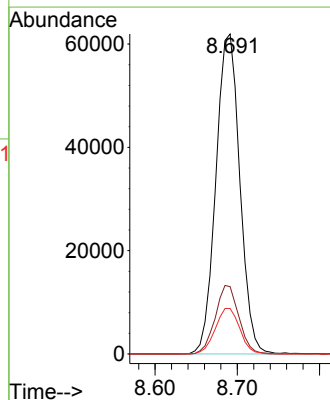
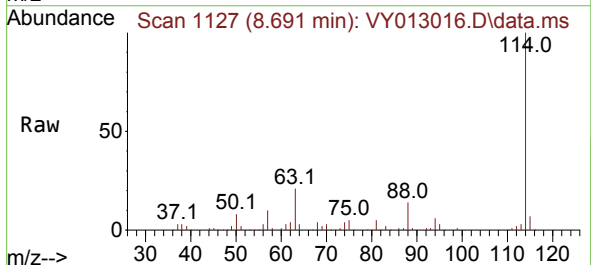
Instrument :
 MSVOA_Y
 ClientSampleId :
 DAHMER-ROCKY-SOIL

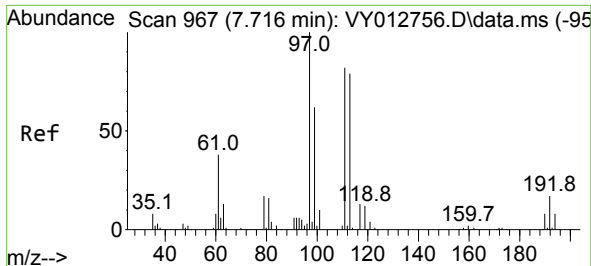
Tgt Ion: 65 Resp: 50542
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. -0.000 min
 Lab File: VY013016.D
 Acq: 20 Mar 2023 18:24

Tgt Ion:114 Resp: 125432
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 37.4
 88 14.2 0.0 28.6

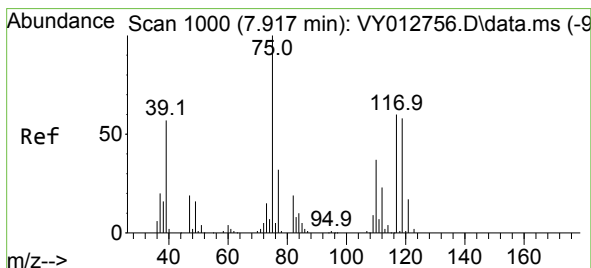
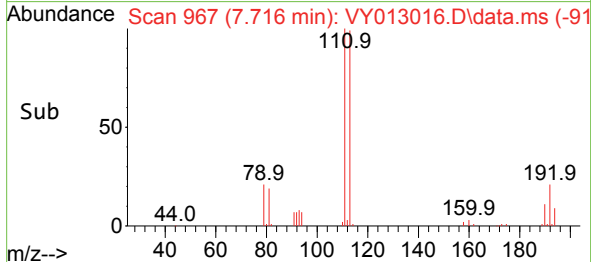
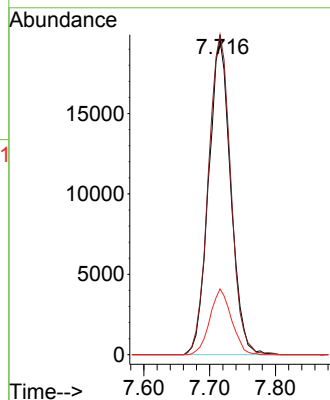
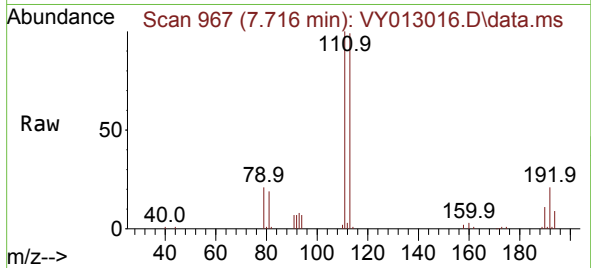




#35
Dibromofluoromethane
Concen: 60.542 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013016.D
Acq: 20 Mar 2023 18:24

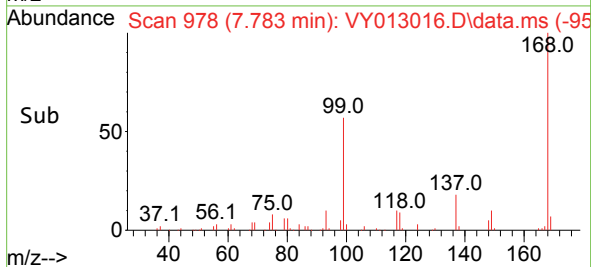
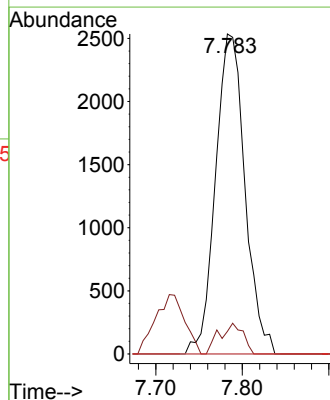
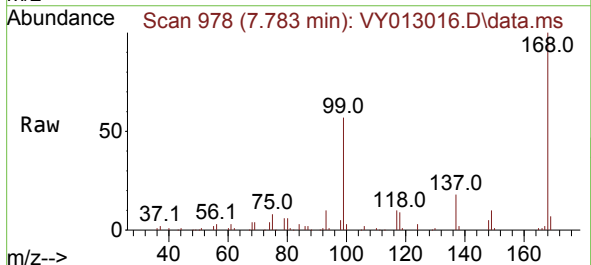
Instrument :
MSVOA_Y
ClientSampleId :
DAHMER-ROCKY-SOIL

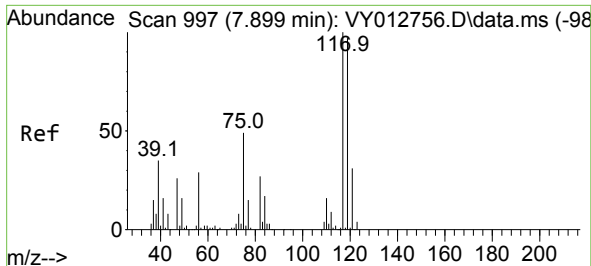
Tgt Ion:113 Resp: 45829
Ion Ratio Lower Upper
113 100
111 103.1 82.2 123.2
192 20.4 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.721 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY013016.D
Acq: 20 Mar 2023 18:24

Tgt Ion: 75 Resp: 5989
Ion Ratio Lower Upper
75 100
110 7.7 17.8 53.3#
77 0.0 25.0 37.4#

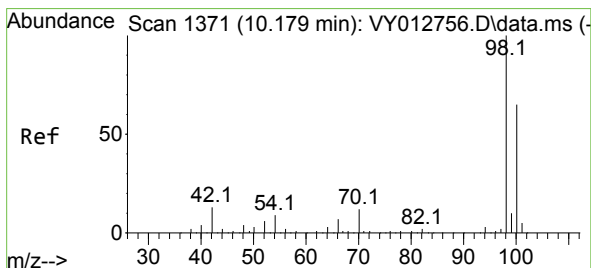
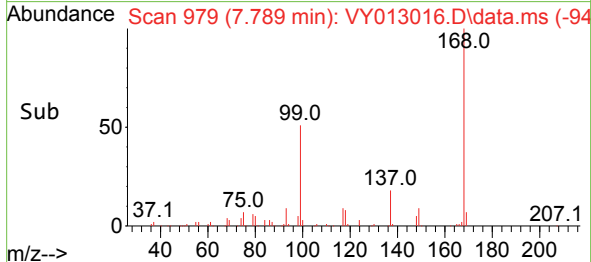
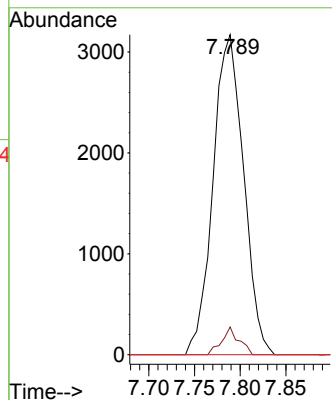
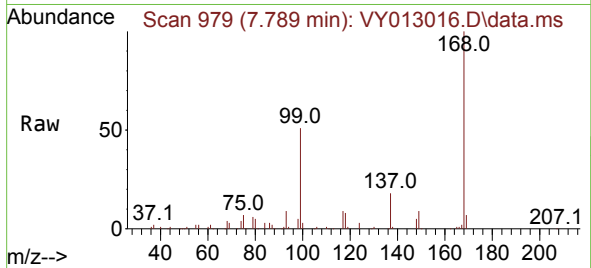




#38
Carbon Tetrachloride
Concen: 5.626 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY013016.D
Acq: 20 Mar 2023 18:24

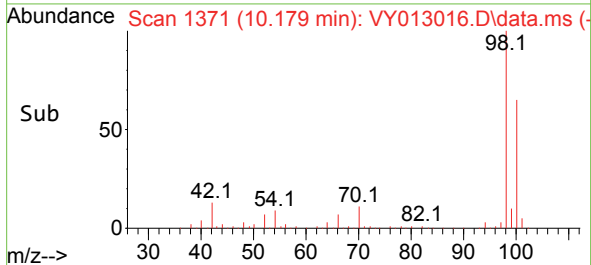
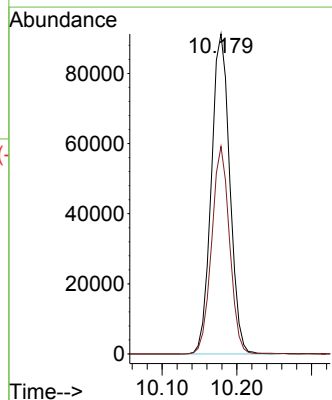
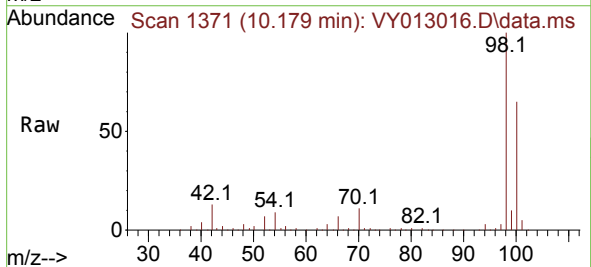
Instrument :
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DAHMER-ROCKY-SOIL

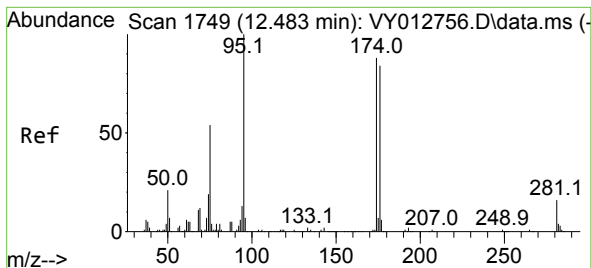
Tgt Ion:117 Resp: 7370
Ion Ratio Lower Upper
117 100
119 8.6 77.2 115.8#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 56.720 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013016.D
Acq: 20 Mar 2023 18:24

Tgt Ion: 98 Resp: 156966
Ion Ratio Lower Upper
98 100
100 62.7 50.9 76.3

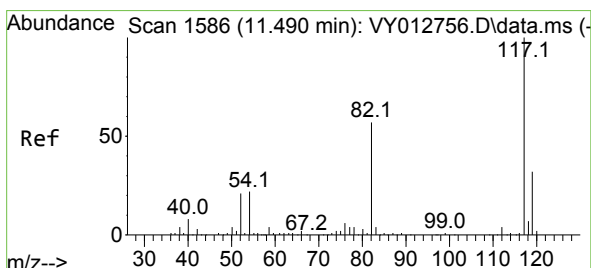
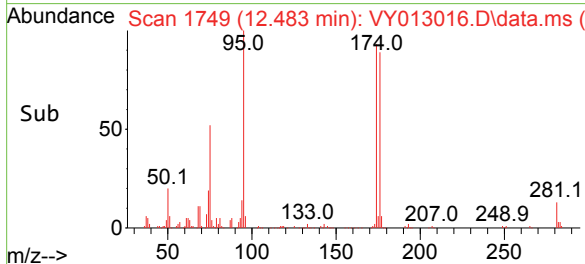
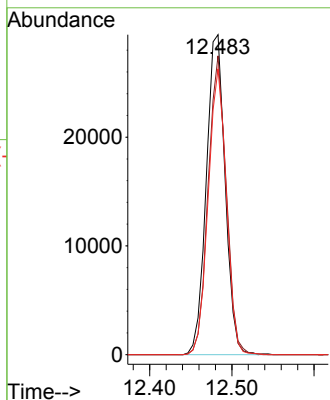
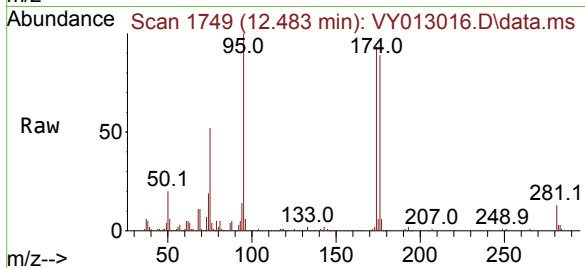




#62
4-Bromofluorobenzene
Concen: 50.177 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY013016.D
Acq: 20 Mar 2023 18:24

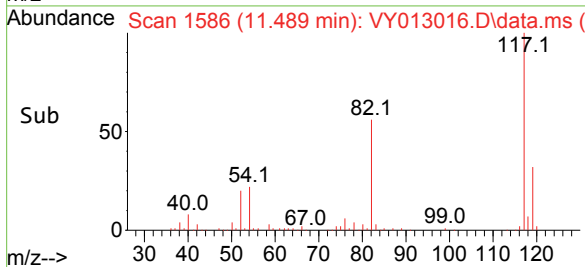
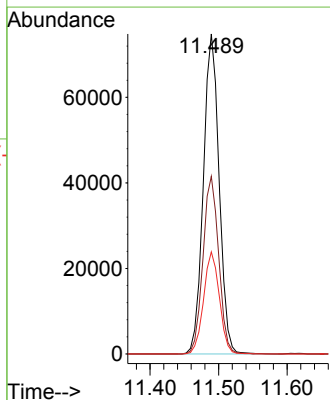
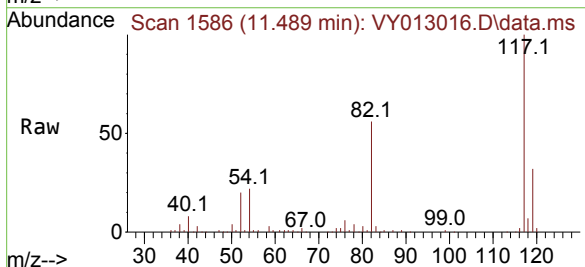
Instrument :
MSVOA_Y
ClientSampleId :
DAHMER-ROCKY-SOIL

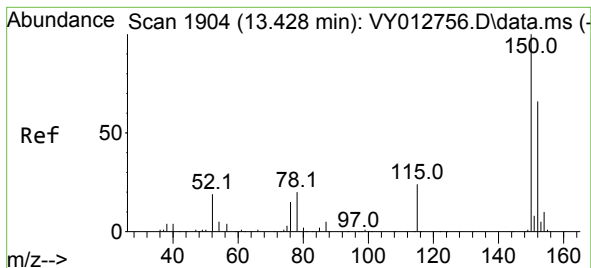
Tgt Ion: 95 Resp: 46868
Ion Ratio Lower Upper
95 100
174 89.9 0.0 176.6
176 86.1 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY013016.D
Acq: 20 Mar 2023 18:24

Tgt Ion: 117 Resp: 119942
Ion Ratio Lower Upper
117 100
82 55.5 45.4 68.0
119 31.9 25.6 38.4

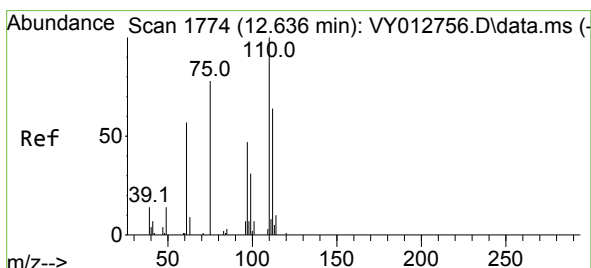
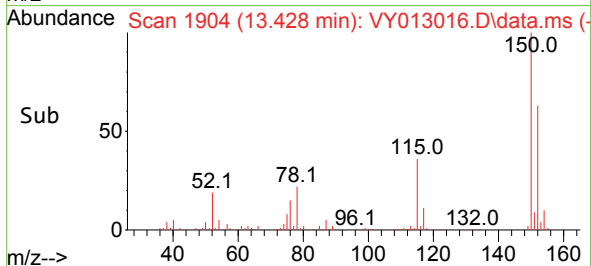
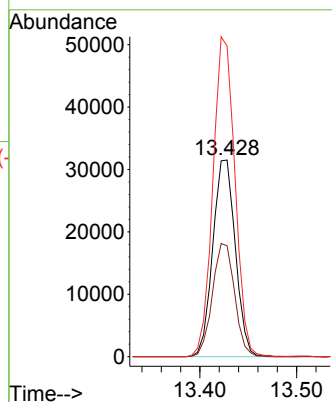
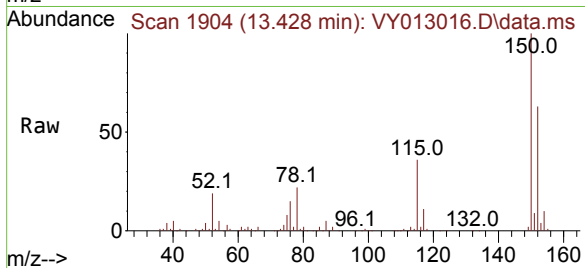




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY013016.D
 Acq: 20 Mar 2023 18:24

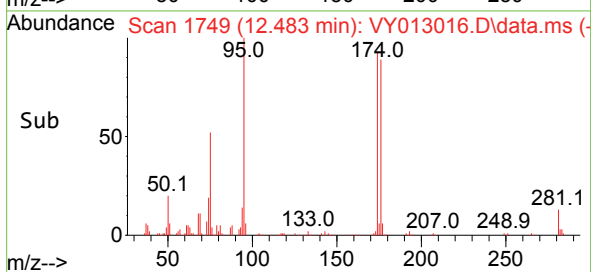
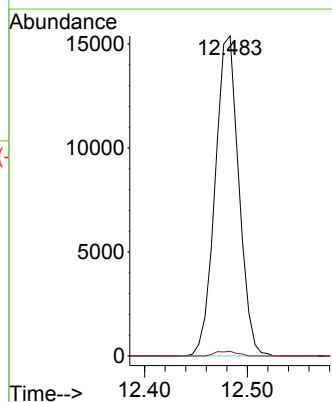
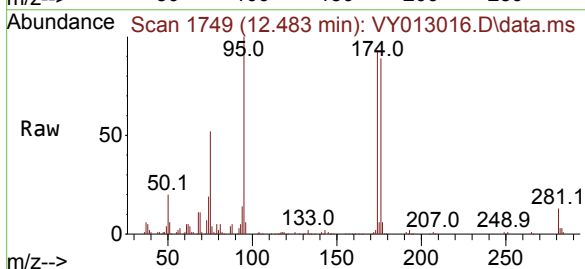
Instrument :
 MSVOA_Y
 ClientSampleId :
 DAHMER-ROCKY-SOIL

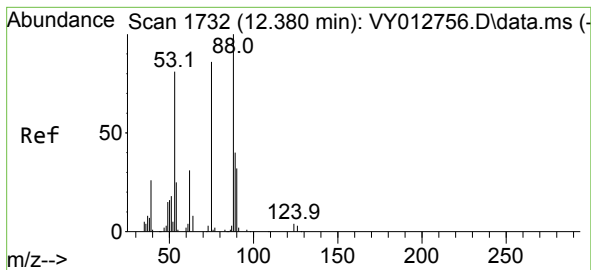
Tgt Ion:152 Resp: 51062
 Ion Ratio Lower Upper
 152 100
 115 56.6 27.1 81.3
 150 158.9 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 40.330 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.153 min
 Lab File: VY013016.D
 Acq: 20 Mar 2023 18:24

Tgt Ion: 75 Resp: 24592
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 83.566 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY013016.D
 Acq: 20 Mar 2023 18:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 DAHMER-ROCKY-SOIL

Tgt Ion: 75 Resp: 24592
 Ion Ratio Lower Upper
 75 100
 53 0.2 73.4 110.0#
 89 0.1 36.6 55.0#

