

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011922\
 Data File : VY007228.D
 Acq On : 19 Jan 2022 18:15
 Operator : SY/MD
 Sample : N1189-07
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MTR-SOIL-4

Quant Time: Jan 20 00:17:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011322S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 14 05:48:29 2022
 Response via : Initial Calibration

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

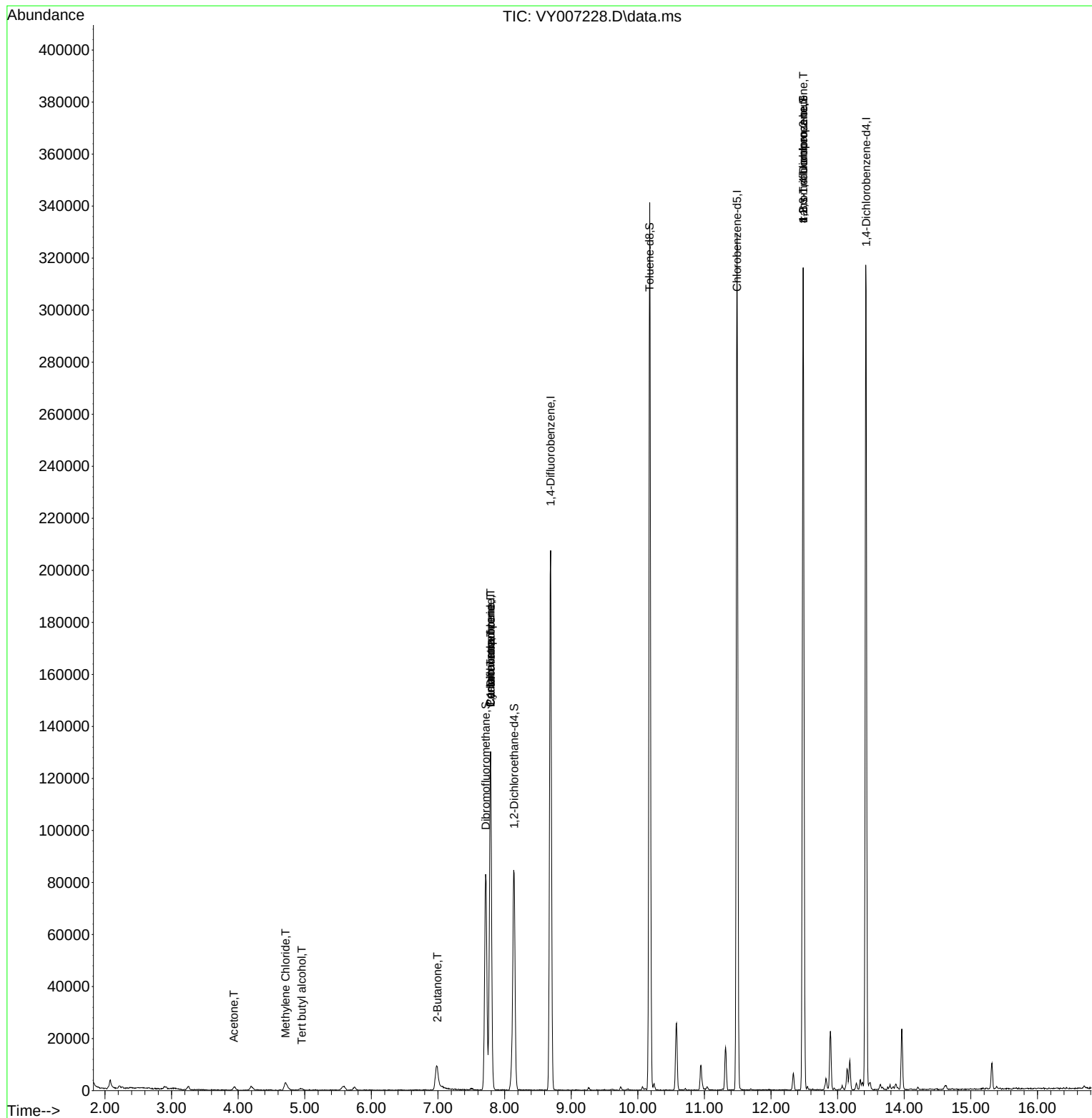
Internal Standards						
1) Pentafluorobenzene	7.789	168	92736	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	175322	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	169924	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	75568	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	65750	57.783	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 115.560%	
35) Dibromofluoromethane	7.716	113	59819	50.459	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.920%	
50) Toluene-d8	10.179	98	214977	49.628	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 99.260%	
62) 4-Bromofluorobenzene	12.483	95	81115	52.642	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 105.280%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	1119	6.852	ug/l #	78
16) Acetone	3.936	43	2211	7.487	ug/l	97
20) Methylene Chloride	4.710	84	2373	1.943	ug/l	92
25) 2-Butanone	6.990	43	1472	3.855	ug/l	93
31) Cyclohexane	7.789	56	2380	1.237	ug/l #	8
36) 1,1-Dichloropropene	7.789	75	8699	4.594	ug/l #	50
38) Carbon Tetrachloride	7.789	117	10651	5.348	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	45245	52.508	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	45245	96.128	ug/l #	3

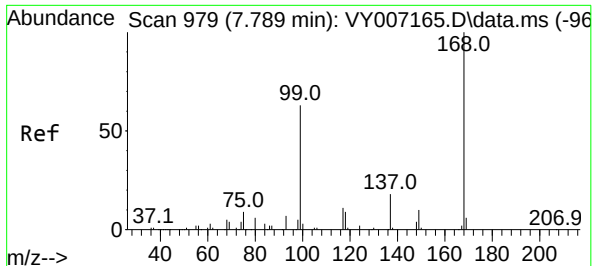
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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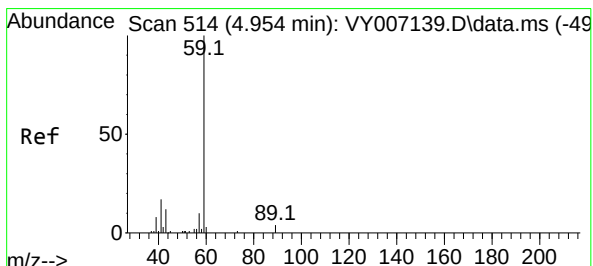
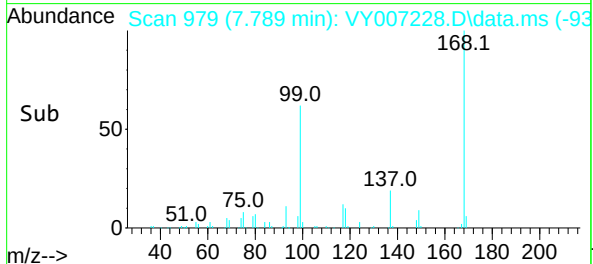
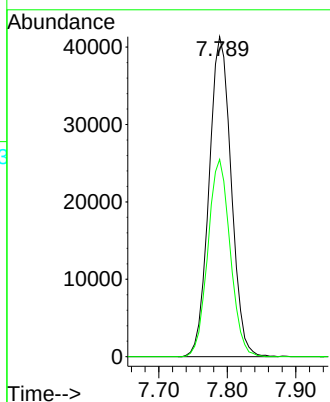
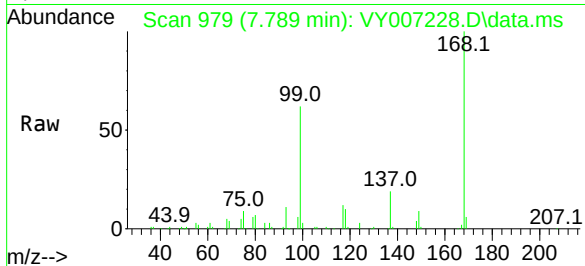




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007228.D
Acq: 19 Jan 2022 18:15

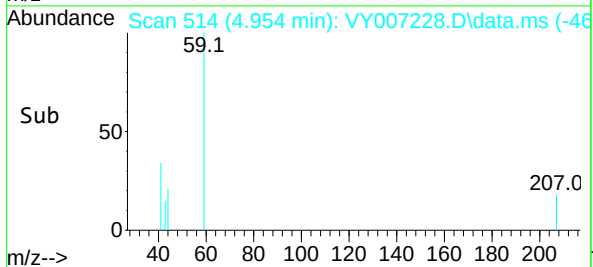
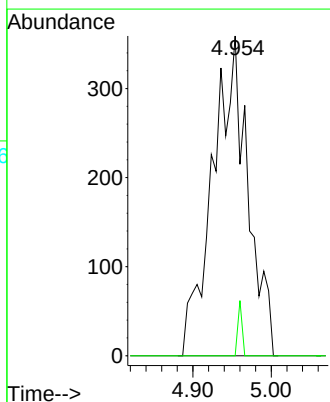
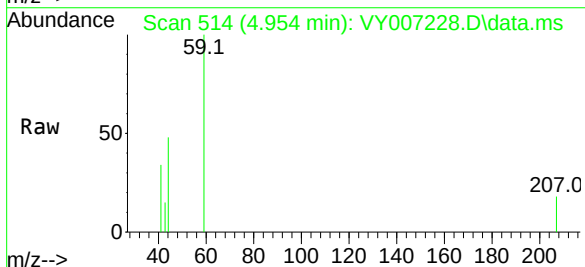
Instrument :
MSVOA_Y
ClientSampleId :
MTR-SOIL-4

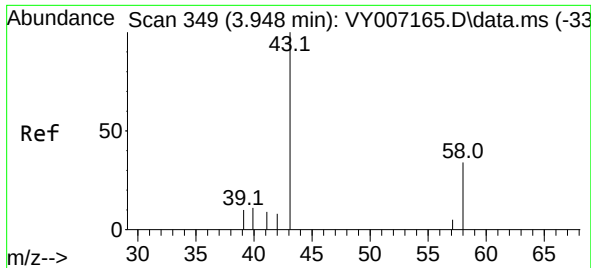
Tgt Ion:168 Resp: 92736
Ion Ratio Lower Upper
168 100
99 61.7 49.1 73.7



#11
Tert butyl alcohol
Concen: 6.852 ug/l
RT: 4.954 min Scan# 514
Delta R.T. -0.000 min
Lab File: VY007228.D
Acq: 19 Jan 2022 18:15

Tgt Ion: 59 Resp: 1119
Ion Ratio Lower Upper
59 100
57 2.1 8.1 12.1#





#16

Acetone

Concen: 7.487 ug/l

RT: 3.936 min Scan# 34

Delta R.T. -0.012 min

Lab File: VY007228.D

Acq: 19 Jan 2022 18:15

Instrument :

MSVOA_Y

ClientSampleId :

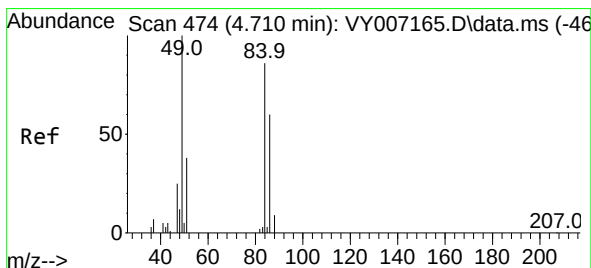
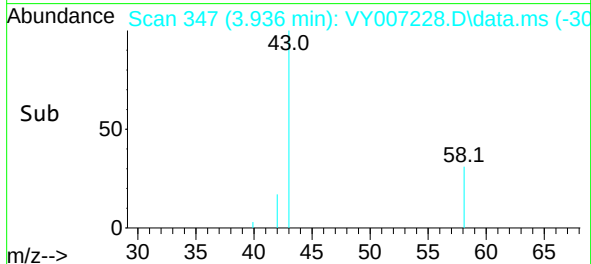
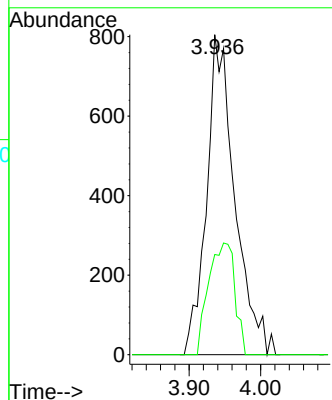
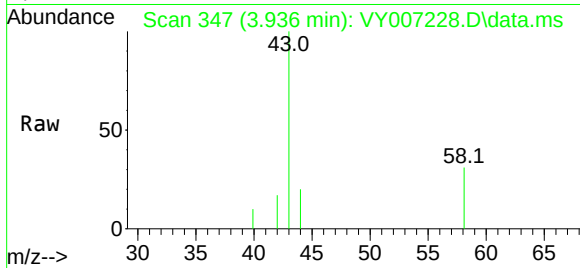
MTR-SOIL-4

Tgt Ion: 43 Resp: 2211

Ion Ratio Lower Upper

43 100

58 31.3 23.8 35.6



#20

Methylene Chloride

Concen: 1.943 ug/l

RT: 4.710 min Scan# 474

Delta R.T. 0.000 min

Lab File: VY007228.D

Acq: 19 Jan 2022 18:15

Tgt Ion: 84 Resp: 2373

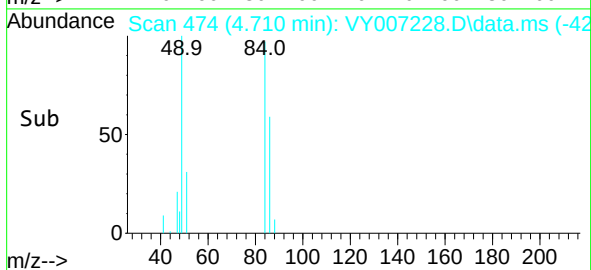
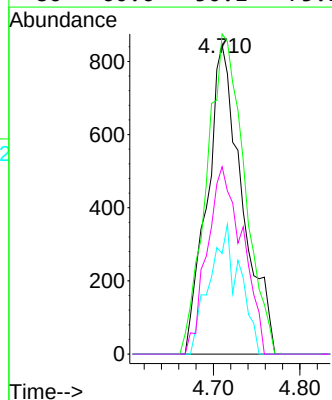
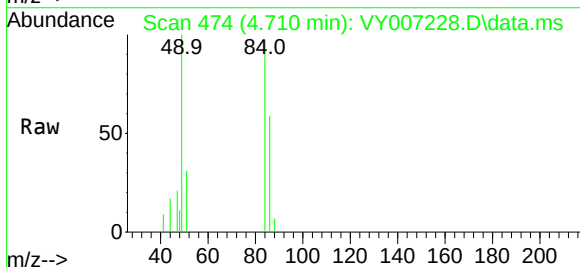
Ion Ratio Lower Upper

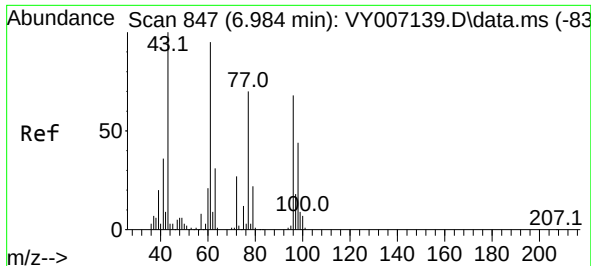
84 100

49 103.6 92.6 139.0

51 32.5 28.6 42.8

86 60.6 50.1 75.1

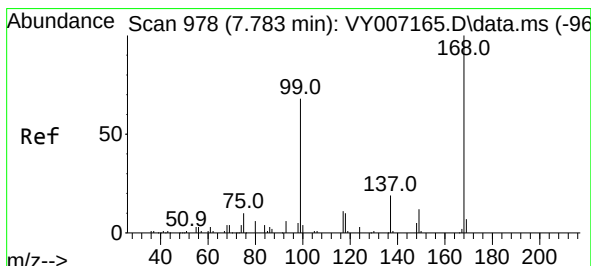
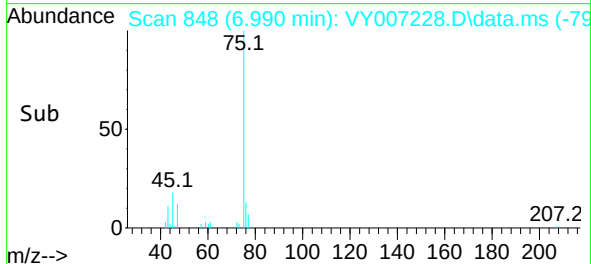
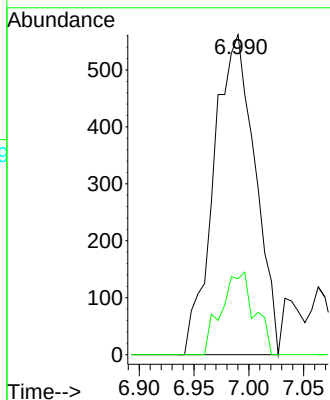
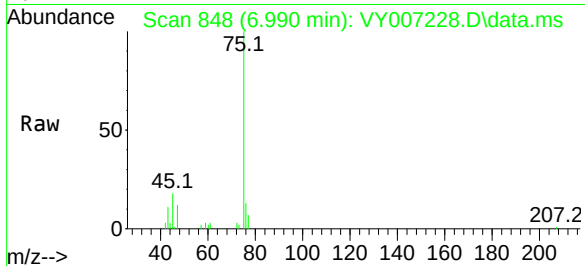




#25
2-Butanone
Concen: 3.855 ug/l
RT: 6.990 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY007228.D
Acq: 19 Jan 2022 18:15

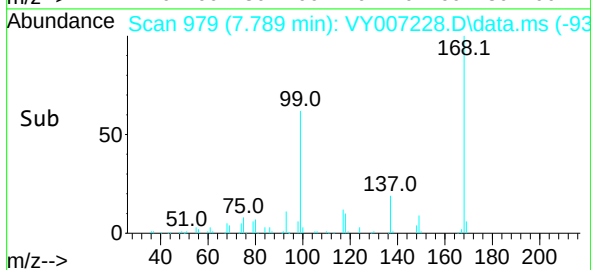
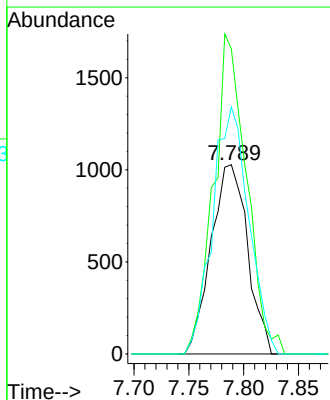
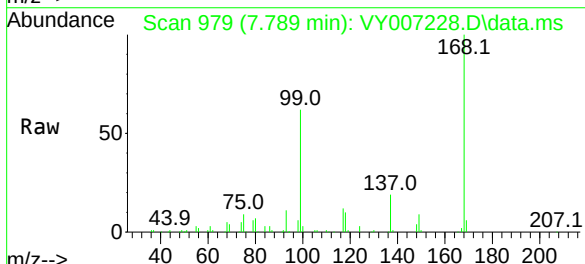
Instrument :
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ClientSampleId :
MTR-SOIL-4

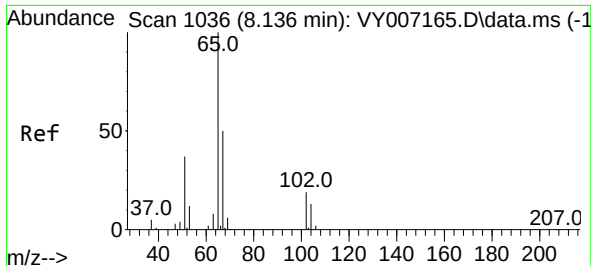
Tgt Ion: 43 Resp: 1472
Ion Ratio Lower Upper
43 100
72 23.7 21.9 32.9



#31
Cyclohexane
Concen: 1.237 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.000 min
Lab File: VY007228.D
Acq: 19 Jan 2022 18:15

Tgt Ion: 56 Resp: 2380
Ion Ratio Lower Upper
56 100
69 161.3 27.2 40.8#
84 130.5 72.1 108.1#





#33

1,2-Dichloroethane-d4

Concen: 57.783 ug/l

RT: 8.142 min Scan# 110

Delta R.T. 0.000 min

Lab File: VY007228.D

Acq: 19 Jan 2022 18:15

Instrument :

MSVOA_Y

ClientSampleId :

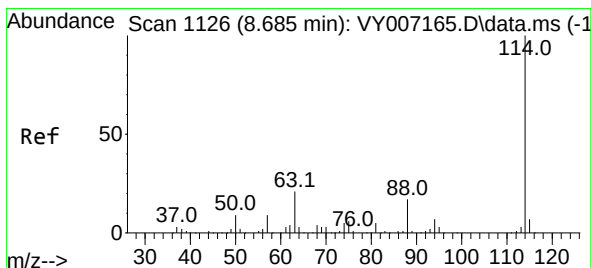
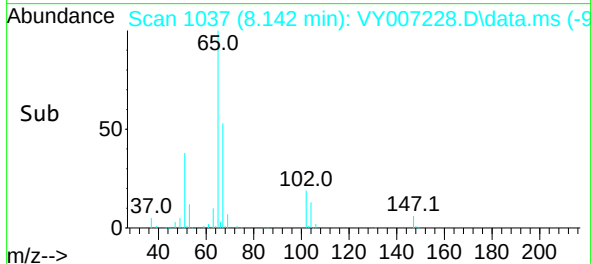
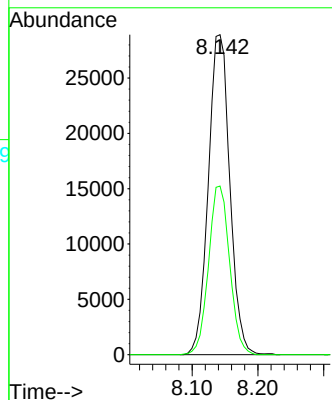
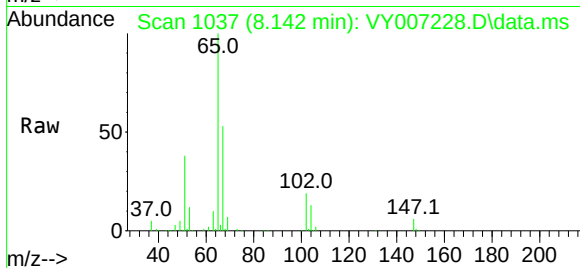
MTR-SOIL-4

Tgt Ion: 65 Resp: 65750

Ion Ratio Lower Upper

65 100

67 51.7 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY007228.D

Acq: 19 Jan 2022 18:15

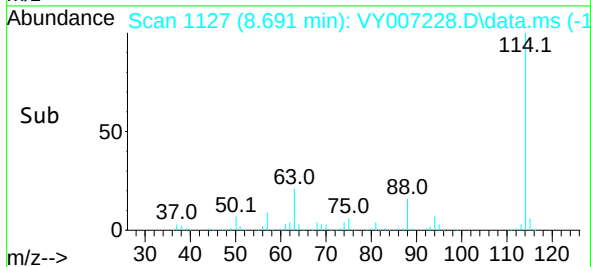
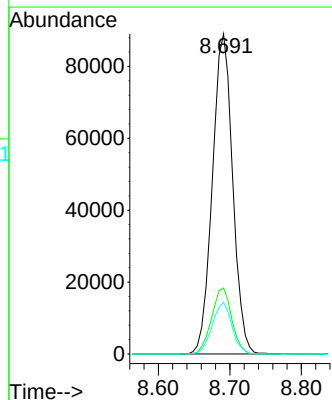
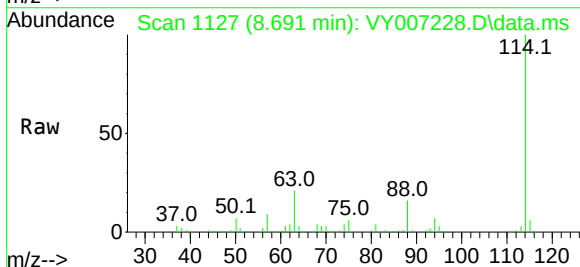
Tgt Ion: 114 Resp: 175322

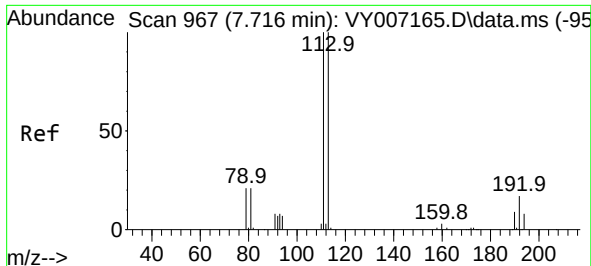
Ion Ratio Lower Upper

114 100

63 20.6 0.0 39.2

88 16.1 0.0 31.0

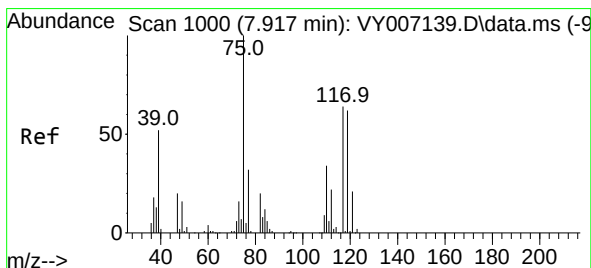
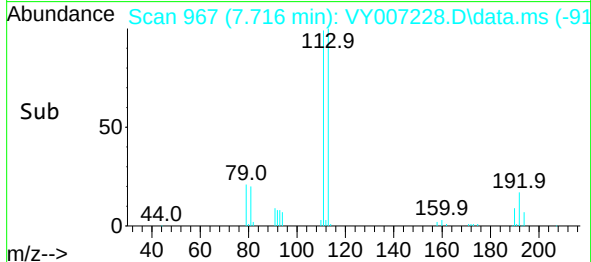
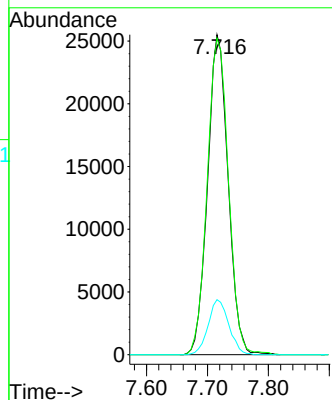
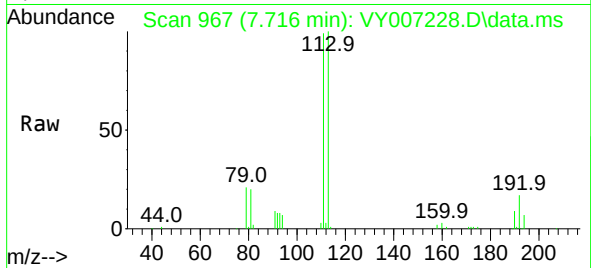




#35
Dibromofluoromethane
Concen: 50.459 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY007228.D
Acq: 19 Jan 2022 18:15

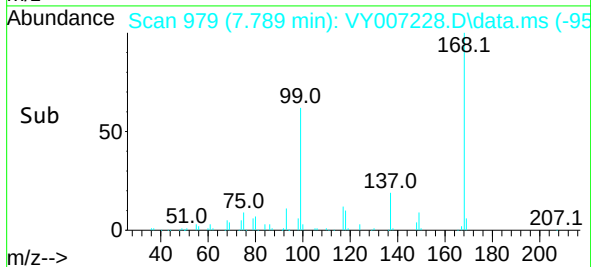
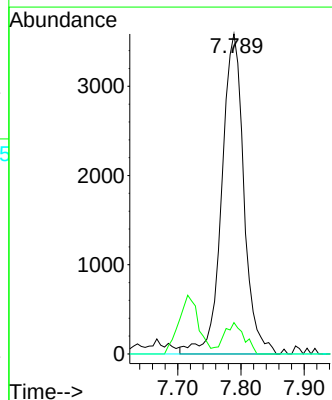
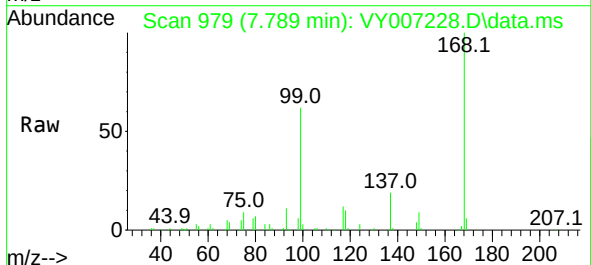
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MSVOA_Y
ClientSampleId :
MTR-SOIL-4

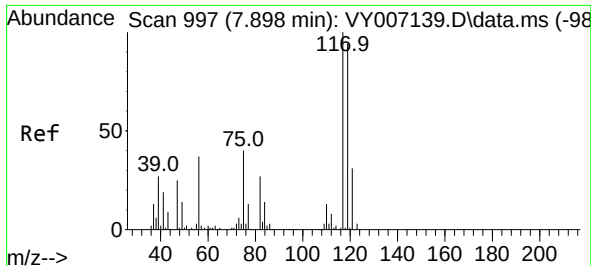
Tgt Ion:113 Resp: 59819
Ion Ratio Lower Upper
113 100
111 102.2 82.2 123.4
192 17.3 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.594 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY007228.D
Acq: 19 Jan 2022 18:15

Tgt Ion: 75 Resp: 8699
Ion Ratio Lower Upper
75 100
110 8.7 17.3 51.9#
77 0.0 24.7 37.1#

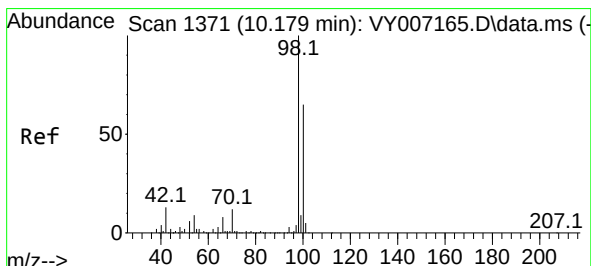
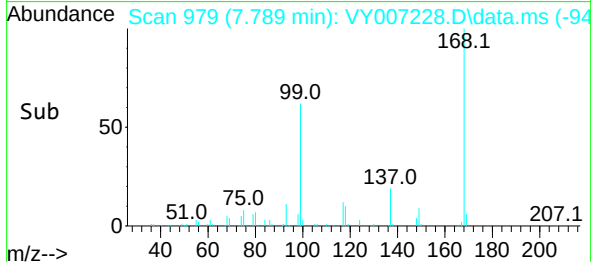
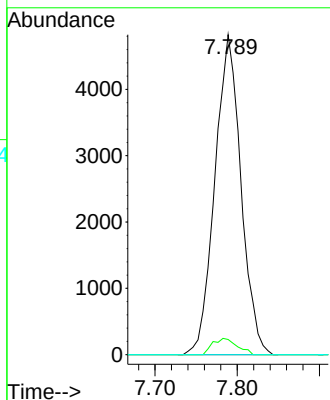
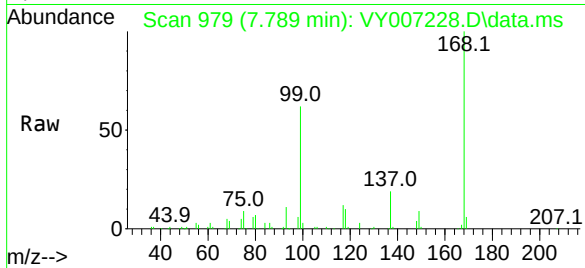




#38
Carbon Tetrachloride
Concen: 5.348 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY007228.D
Acq: 19 Jan 2022 18:15

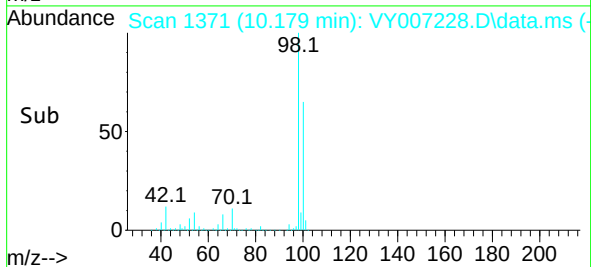
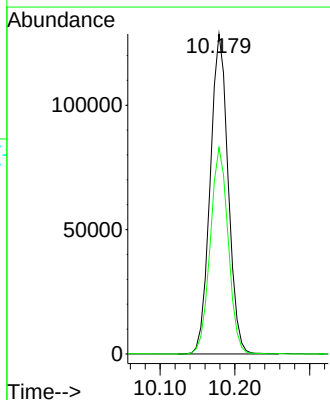
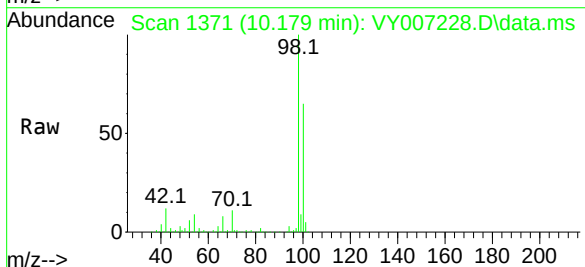
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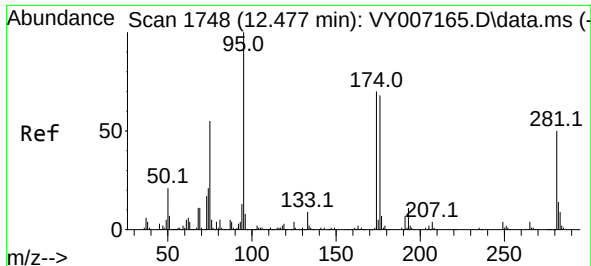
Tgt Ion:117 Resp: 10651
Ion Ratio Lower Upper
117 100
119 4.7 77.2 115.8#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 49.628 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY007228.D
Acq: 19 Jan 2022 18:15

Tgt Ion: 98 Resp: 214977
Ion Ratio Lower Upper
98 100
100 64.4 52.2 78.2





#62

4-Bromofluorobenzene

Concen: 52.642 ug/l

RT: 12.483 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY007228.D

Acq: 19 Jan 2022 18:15

Instrument :

MSVOA_Y

ClientSampleId :

MTR-SOIL-4

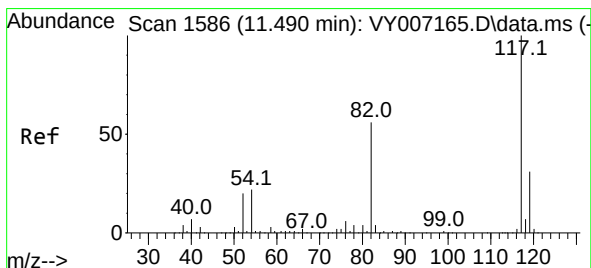
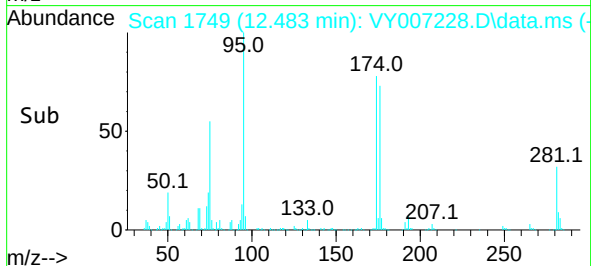
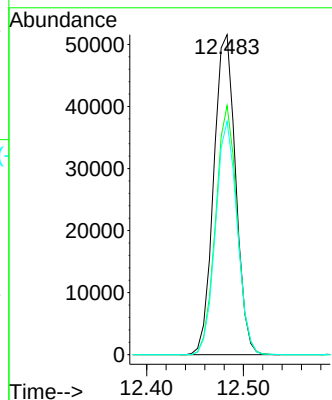
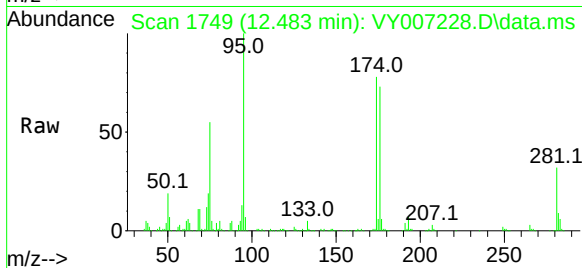
Tgt Ion: 95 Resp: 81115

Ion Ratio Lower Upper

95 100

174 75.8 0.0 148.4

176 72.0 0.0 146.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1586

Delta R.T. 0.000 min

Lab File: VY007228.D

Acq: 19 Jan 2022 18:15

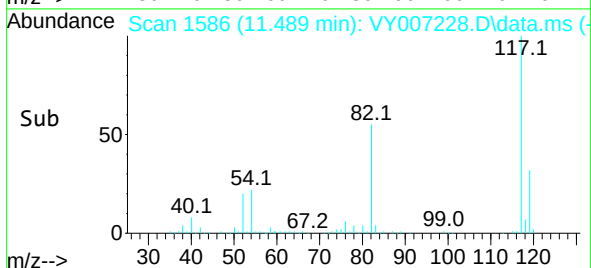
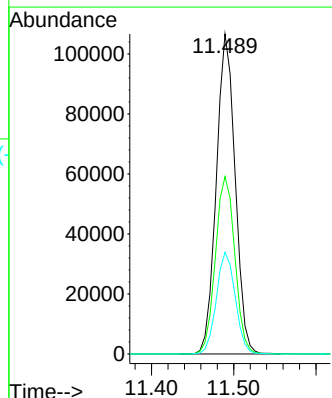
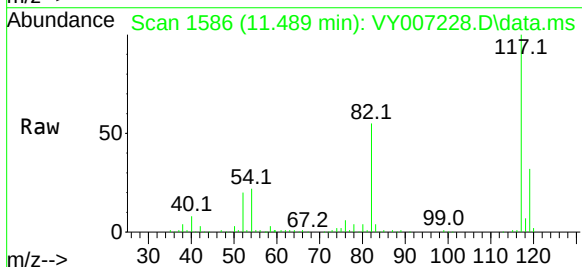
Tgt Ion: 117 Resp: 169924

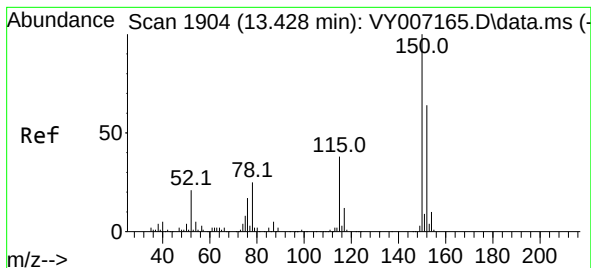
Ion Ratio Lower Upper

117 100

82 55.4 45.4 68.0

119 31.7 26.4 39.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY007228.D

Acq: 19 Jan 2022 18:15

Instrument :

MSVOA_Y

ClientSampleId :

MTR-SOIL-4

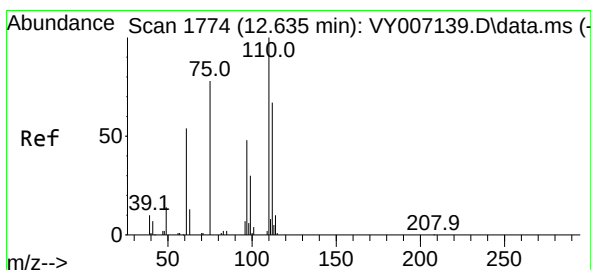
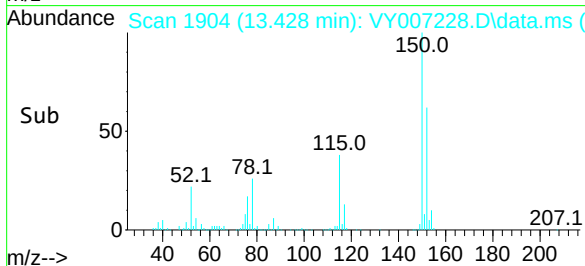
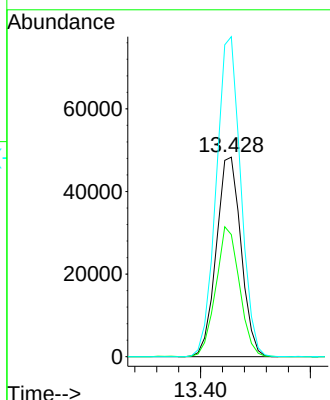
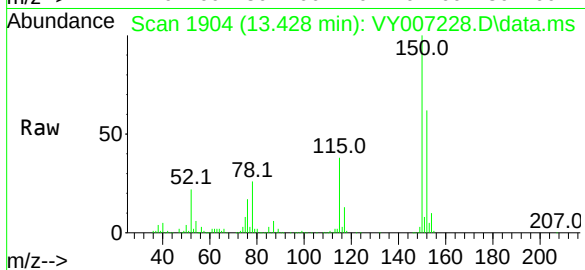
Tgt Ion:152 Resp: 75568

Ion Ratio Lower Upper

152 100

115 62.4 31.4 94.0

150 158.7 0.0 348.4



#76

1,2,3-Trichloropropane

Concen: 52.508 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY007228.D

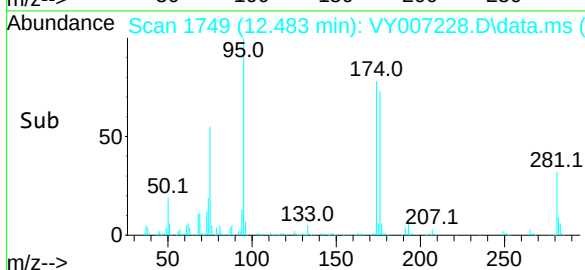
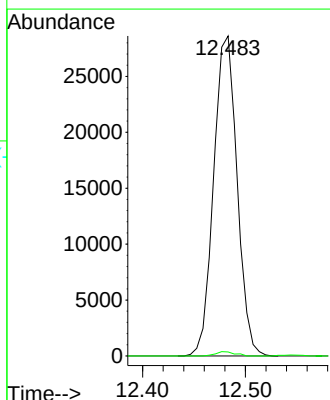
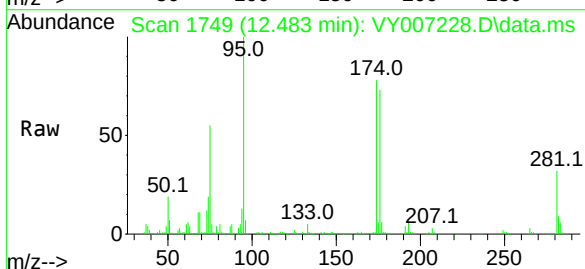
Acq: 19 Jan 2022 18:15

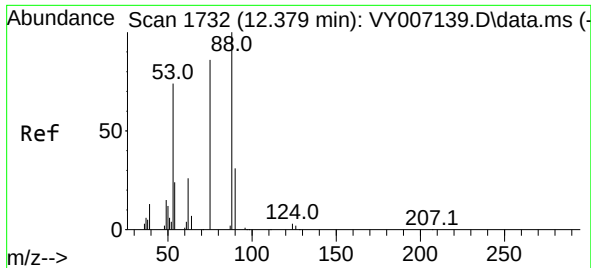
Tgt Ion: 75 Resp: 45245

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 96.128 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY007228.D
 Acq: 19 Jan 2022 18:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 MTR-SOIL-4

Tgt Ion: 75 Resp: 45245
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.9 110.9#
 89 0.8 0.0 0.0#

