

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102122\
 Data File : VD074616.D
 Acq On : 21 Oct 2022 15:26
 Operator : VA/SY
 Sample : N5224-01
 Misc : 4.99G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SOILPILE-MIX

Quant Time: Oct 21 23:11:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101922S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 20 06:41:20 2022
 Response via : Initial Calibration

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

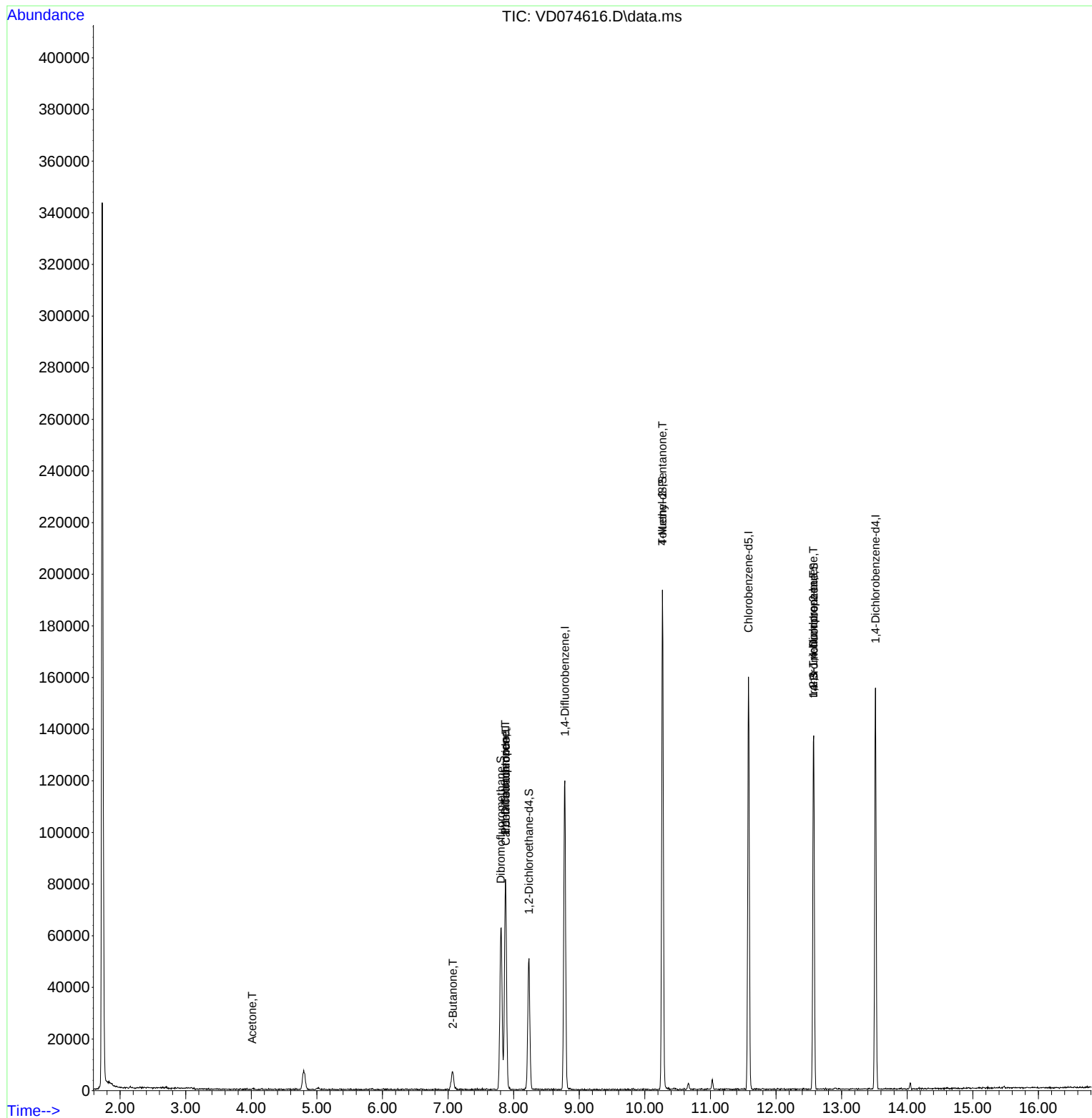
Internal Standards						
1) Pentafluorobenzene	7.875	168	67953	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	116984	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	100960	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	44309	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	39396	75.935	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 151.880%	
35) Dibromofluoromethane	7.804	113	45938	71.347	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 142.700%	
50) Toluene-d8	10.269	98	139877	59.739	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 119.480%	
62) 4-Bromofluorobenzene	12.575	95	41682	62.358	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 124.720%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.004	59	226	Below Cal	#	84
16) Acetone	4.016	43	210	1.854	ug/l #	37
20) Methylene Chloride	4.799	84	6771	Below Cal	#	90
25) 2-Butanone	7.075	43	192	1.267	ug/l #	42
36) 1,1-Dichloropropene	7.875	75	4470	4.253	ug/l #	42
38) Carbon Tetrachloride	7.881	117	6443	6.261	ug/l #	21
51) 4-Methyl-2-Pentanone	10.269	43	438	1.429	ug/l #	1
76) 1,2,3-Trichloropropane	12.569	75	20806	53.777	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.569	75	20806	137.427	ug/l #	17

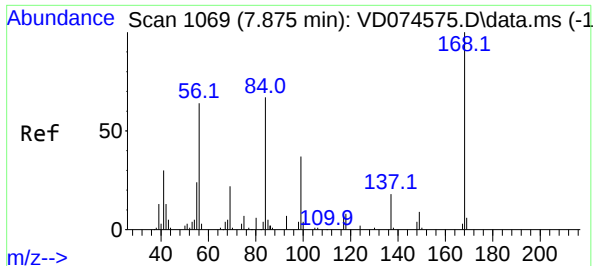
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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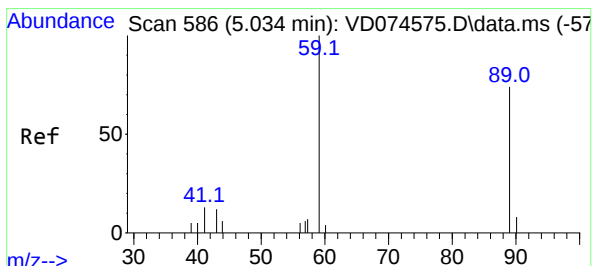
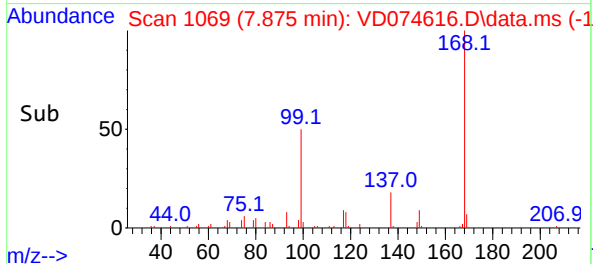
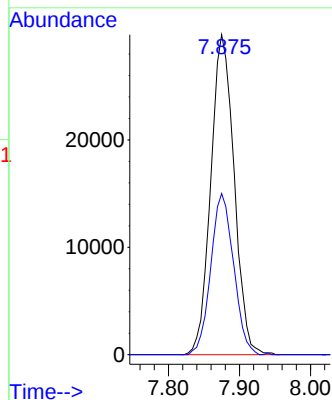
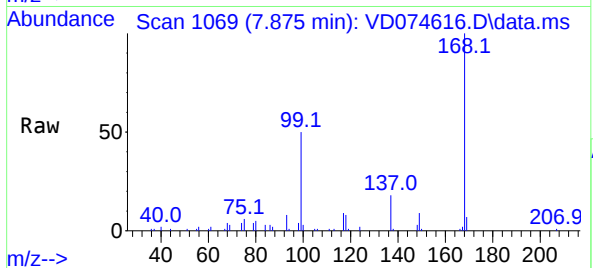




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD074616.D
Acq: 21 Oct 2022 15:26

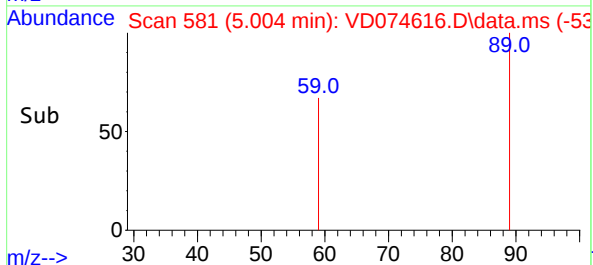
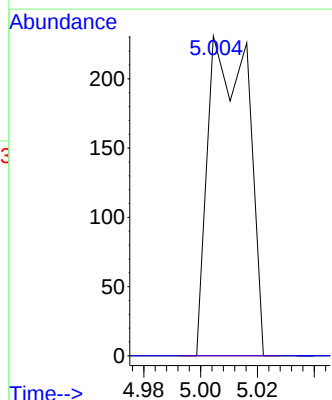
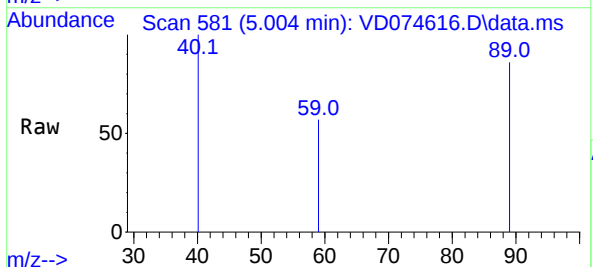
Instrument :
MSVOA_D
ClientSampleId :
SOILPILE-MIX

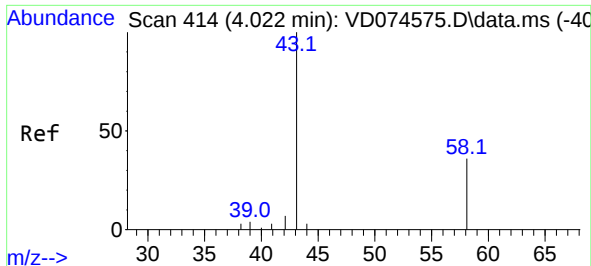
Tgt Ion:168 Resp: 67953
Ion Ratio Lower Upper
168 100
99 50.4 40.9 61.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.004 min Scan# 581
Delta R.T. -0.048 min
Lab File: VD074616.D
Acq: 21 Oct 2022 15:26

Tgt Ion: 59 Resp: 226
Ion Ratio Lower Upper
59 100
57 0.0 4.4 6.6#

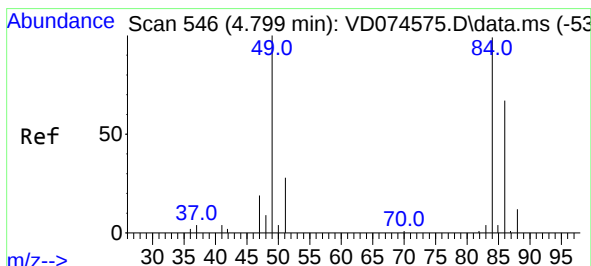
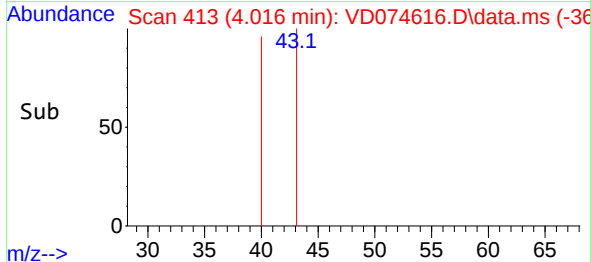
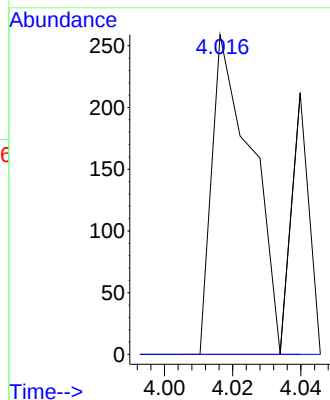
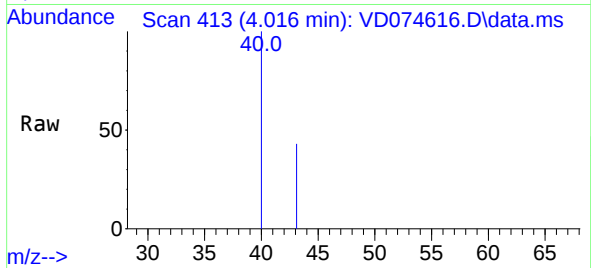




#16
Acetone
Concen: 1.854 ug/l
RT: 4.016 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD074616.D
Acq: 21 Oct 2022 15:26

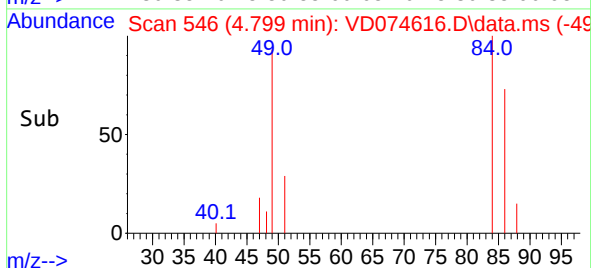
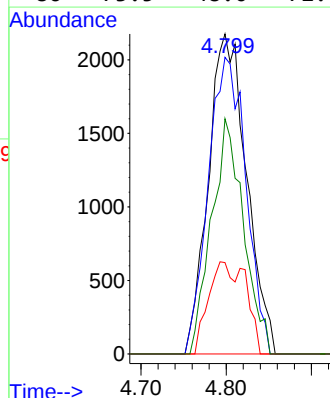
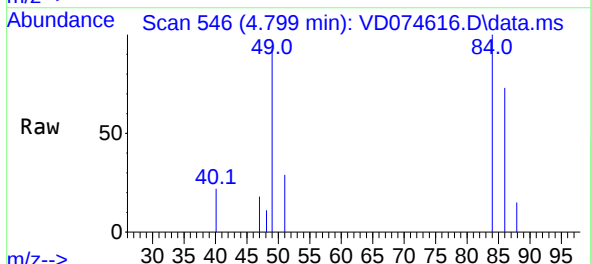
Instrument :
MSVOA_D
ClientSampleId :
SOILPILE-MIX

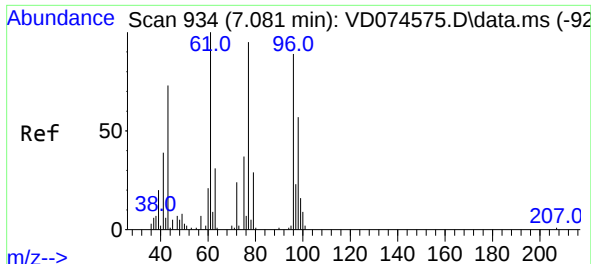
Tgt Ion: 43 Resp: 210
Ion Ratio Lower Upper
43 100
58 0.0 30.2 45.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD074616.D
Acq: 21 Oct 2022 15:26

Tgt Ion: 84 Resp: 6771
Ion Ratio Lower Upper
84 100
49 92.7 68.0 102.0
51 28.5 23.2 34.8
86 73.5 48.0 72.0#





#25

2-Butanone

Concen: 1.267 ug/l

RT: 7.075 min Scan# 91

Delta R.T. -0.006 min

Lab File: VD074616.D

Acq: 21 Oct 2022 15:26

Instrument :

MSVOA_D

ClientSampleId :

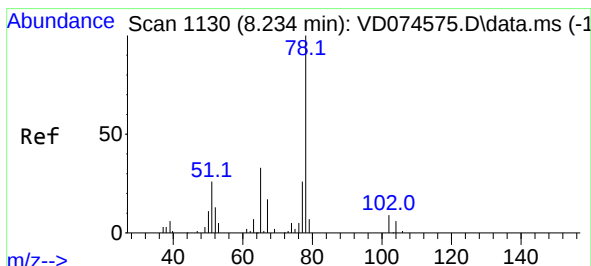
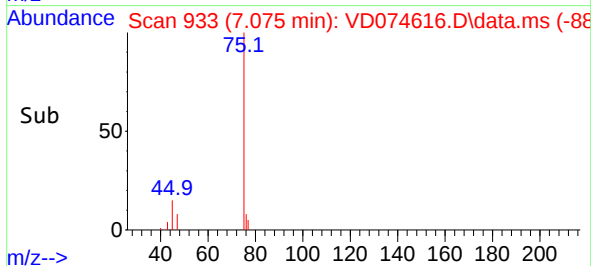
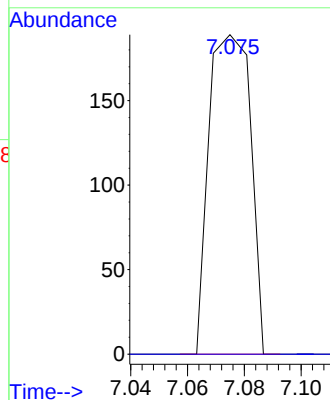
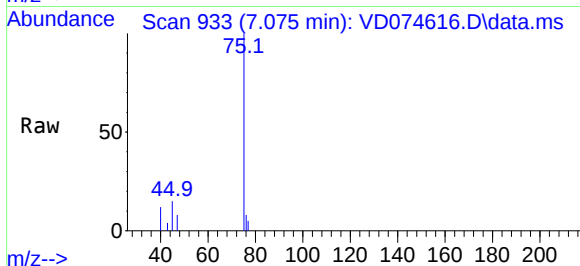
SOILPILE-MIX

Tgt Ion: 43 Resp: 192

Ion Ratio Lower Upper

43 100

72 0.0 25.8 38.8#



#33

1,2-Dichloroethane-d4

Concen: 75.935 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VD074616.D

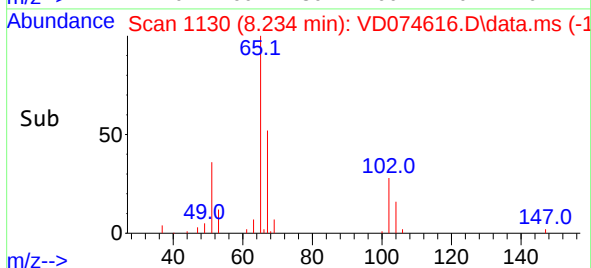
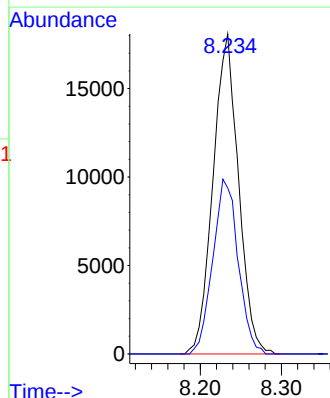
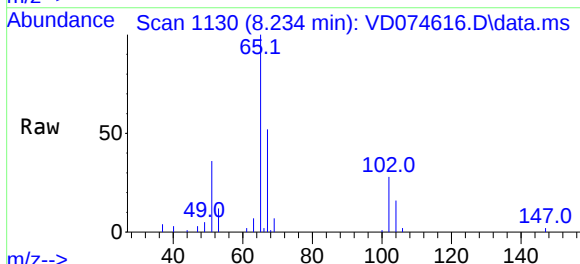
Acq: 21 Oct 2022 15:26

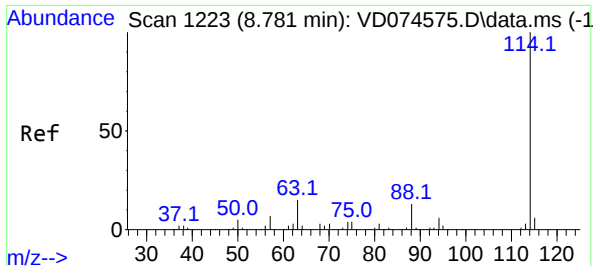
Tgt Ion: 65 Resp: 39396

Ion Ratio Lower Upper

65 100

67 54.4 0.0 110.2

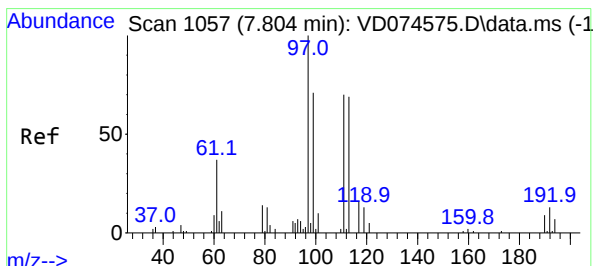
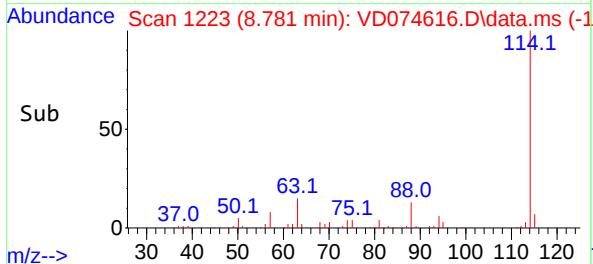
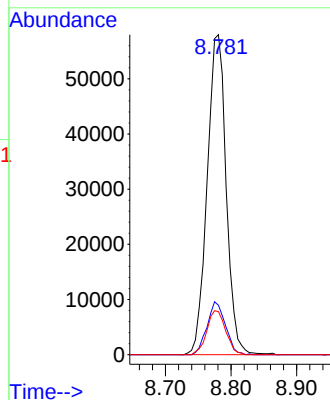
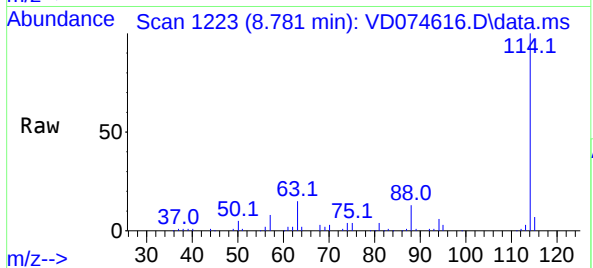




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD074616.D
Acq: 21 Oct 2022 15:26

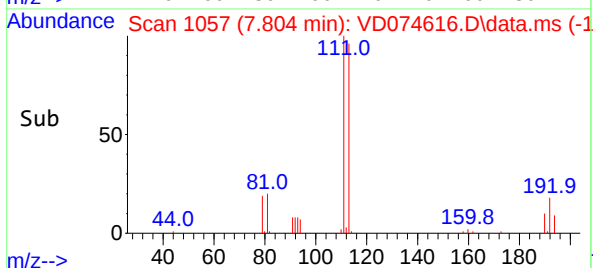
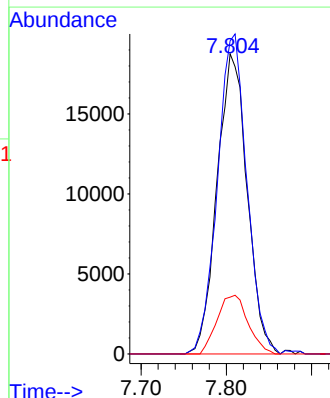
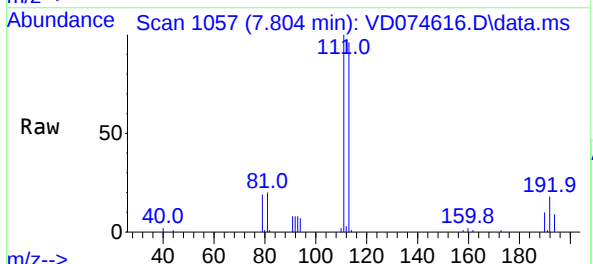
Instrument :
MSVOA_D
ClientSampleId :
SOILPILE-MIX

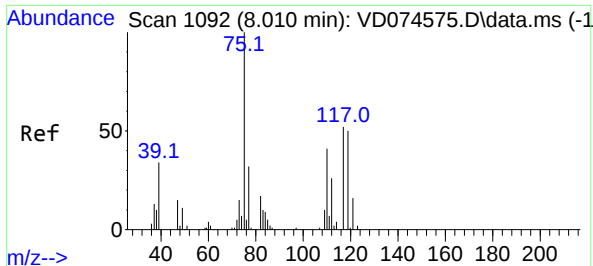
Tgt Ion:114 Resp: 116984
Ion Ratio Lower Upper
114 100
63 15.5 0.0 33.2
88 13.4 0.0 28.2



#35
Dibromofluoromethane
Concen: 71.347 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD074616.D
Acq: 21 Oct 2022 15:26

Tgt Ion:113 Resp: 45938
Ion Ratio Lower Upper
113 100
111 104.4 82.3 123.5
192 20.1 16.4 24.6





#36

1,1-Dichloropropene

Concen: 4.253 ug/l

RT: 7.875 min Scan# 1092

Delta R.T. -0.129 min

Lab File: VD074616.D

Acq: 21 Oct 2022 15:26

Instrument :

MSVOA_D

ClientSampleId :

SOILPILE-MIX

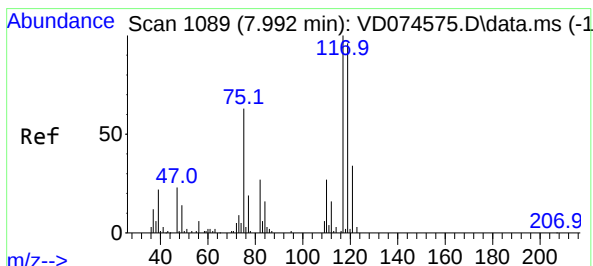
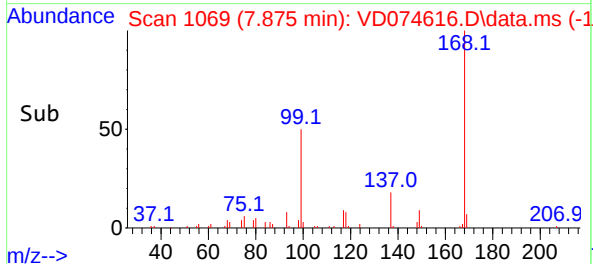
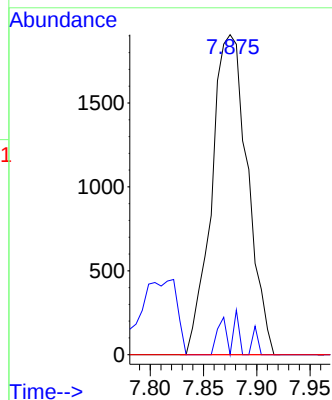
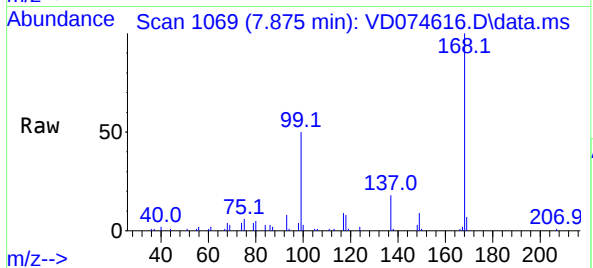
Tgt Ion: 75 Resp: 4470

Ion Ratio Lower Upper

75 100

110 3.0 19.7 59.0#

77 0.0 25.4 38.2#



#38

Carbon Tetrachloride

Concen: 6.261 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.106 min

Lab File: VD074616.D

Acq: 21 Oct 2022 15:26

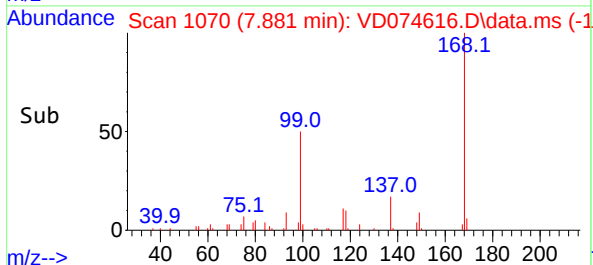
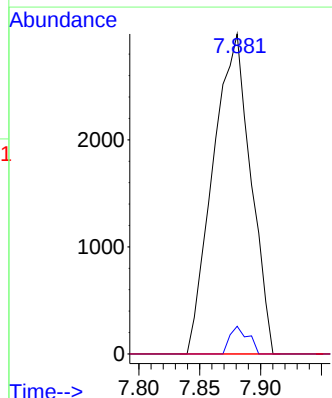
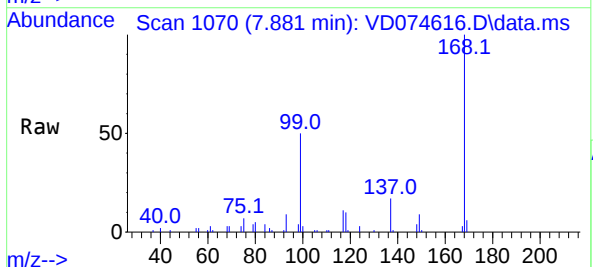
Tgt Ion: 117 Resp: 6443

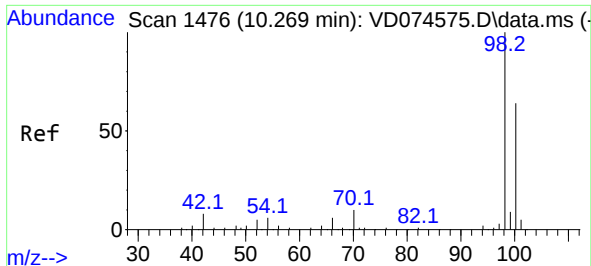
Ion Ratio Lower Upper

117 100

119 8.6 73.1 109.7#

121 0.0 25.0 37.6#

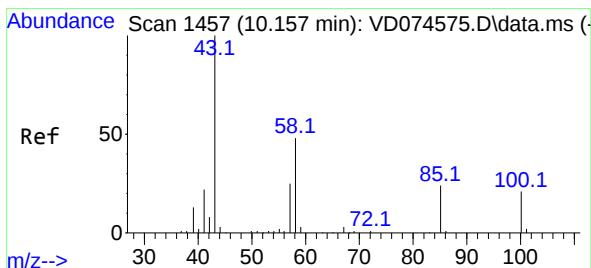
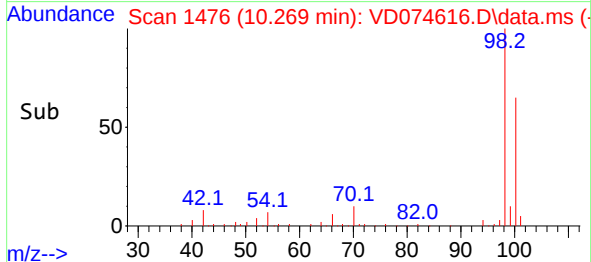
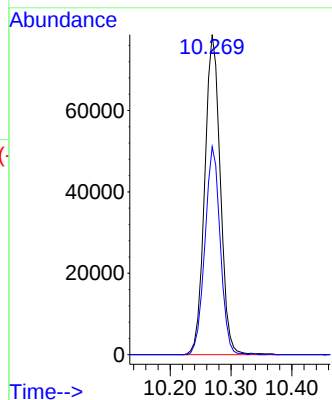
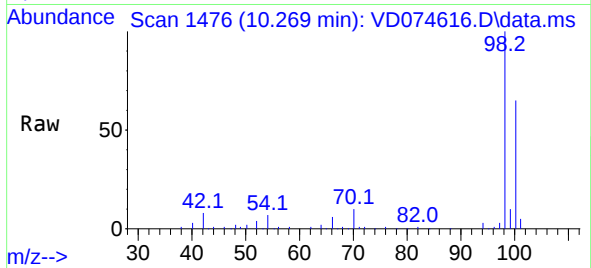




#50
Toluene-d8
Concen: 59.739 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD074616.D
Acq: 21 Oct 2022 15:26

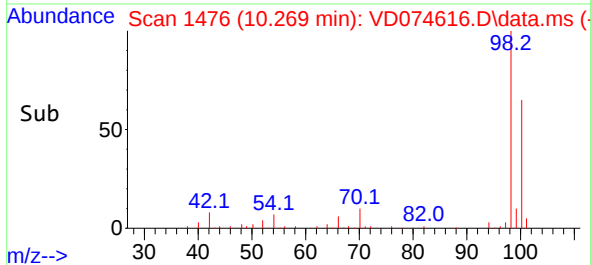
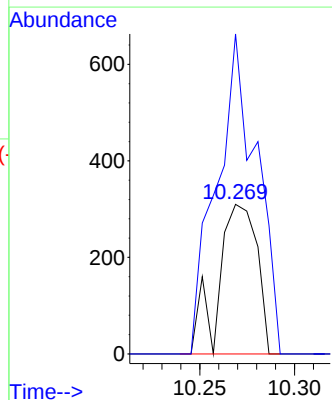
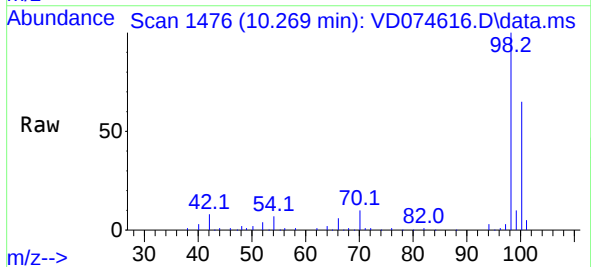
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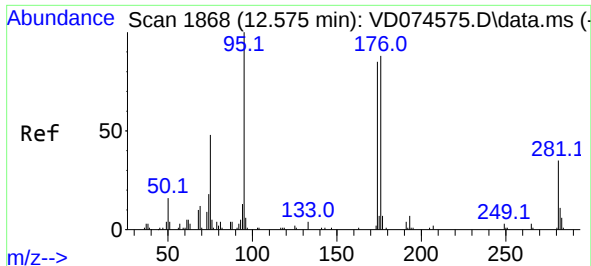
Tgt Ion: 98 Resp: 139877
Ion Ratio Lower Upper
98 100
100 63.8 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.429 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.112 min
Lab File: VD074616.D
Acq: 21 Oct 2022 15:26

Tgt Ion: 43 Resp: 438
Ion Ratio Lower Upper
43 100
58 222.4 37.8 56.6#

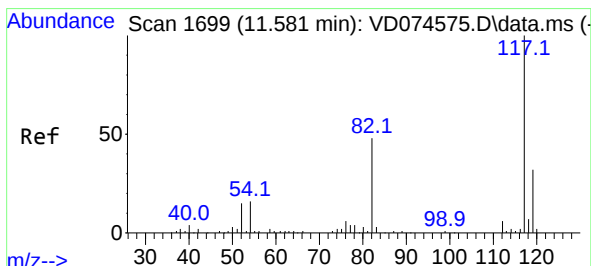
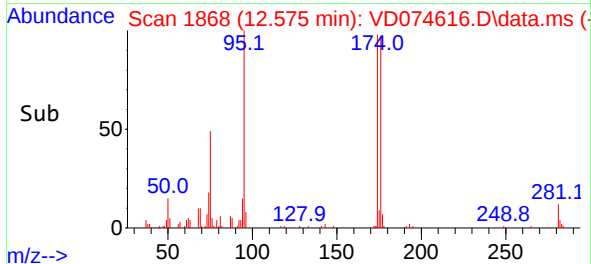
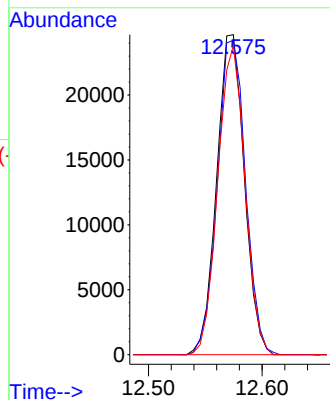
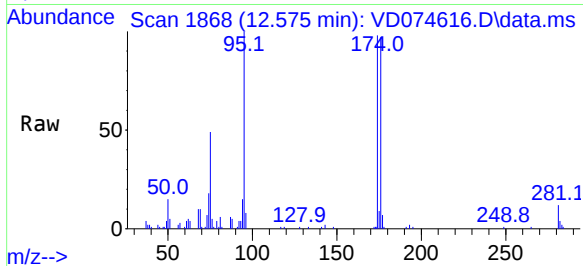




#62
4-Bromofluorobenzene
Concen: 62.358 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VD074616.D
Acq: 21 Oct 2022 15:26

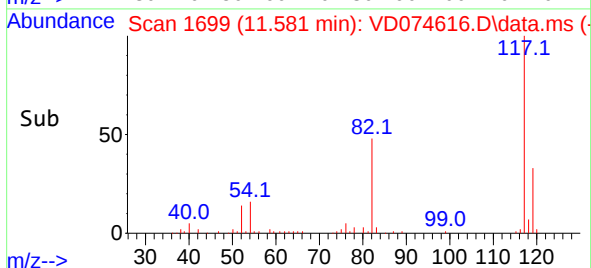
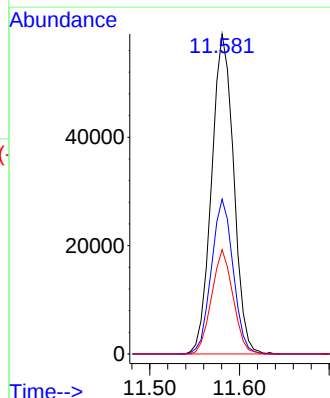
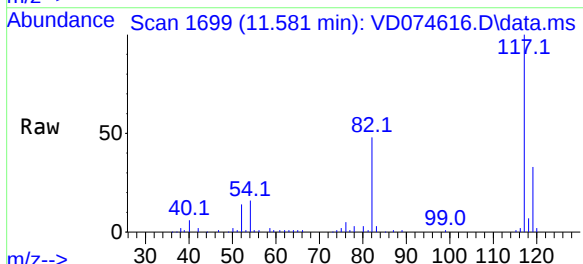
Instrument :
MSVOA_D
ClientSampleId :
SOILPILE-MIX

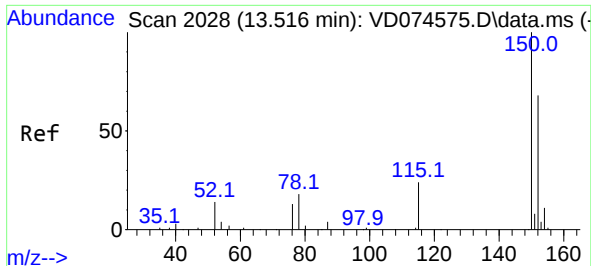
Tgt Ion:	95	Resp:	41682
Ion	Ratio	Lower	Upper
95	100		
174	100.3	0.0	197.0
176	94.7	0.0	182.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD074616.D
Acq: 21 Oct 2022 15:26

Tgt Ion:	117	Resp:	100960
Ion	Ratio	Lower	Upper
117	100		
82	48.4	41.6	62.4
119	32.6	25.2	37.8

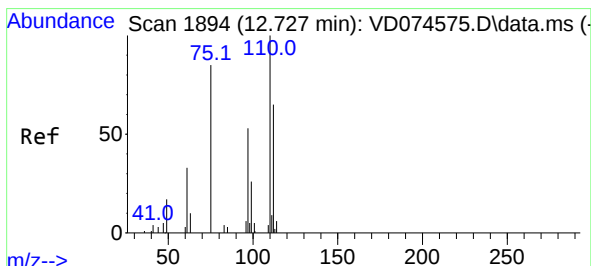
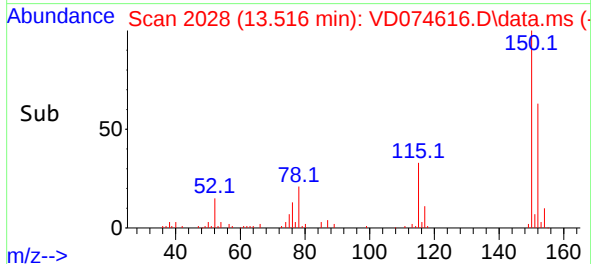
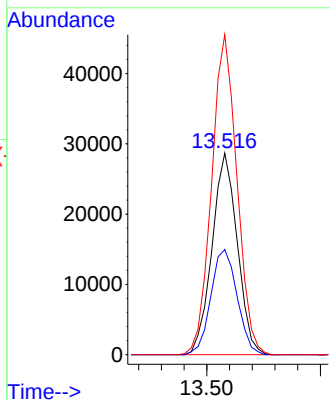
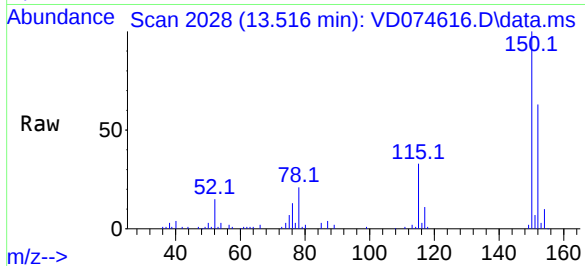




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 2028
 Delta R.T. 0.006 min
 Lab File: VD074616.D
 Acq: 21 Oct 2022 15:26

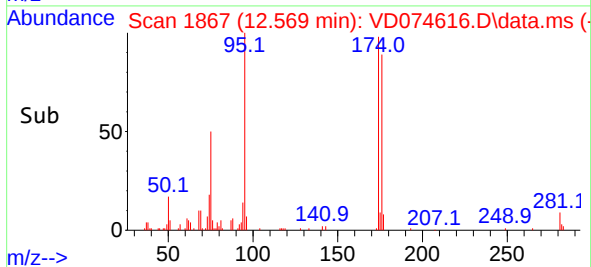
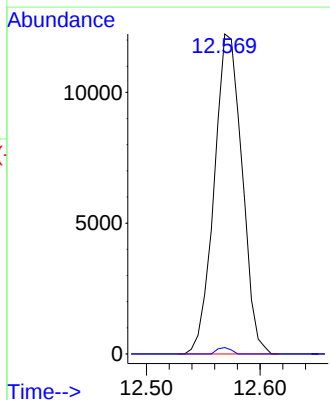
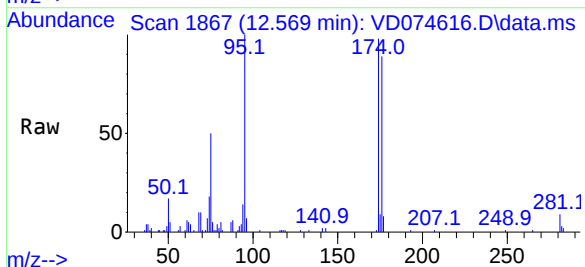
Instrument :
 MSVOA_D
 ClientSampleId :
 SOILPILE-MIX

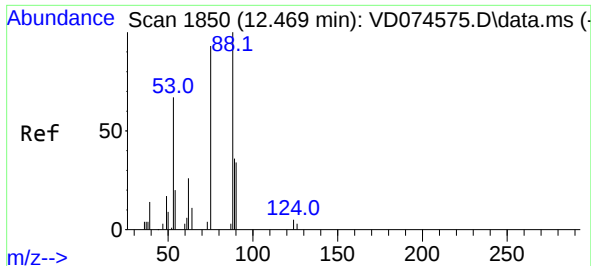
Tgt Ion:152 Resp: 44309
 Ion Ratio Lower Upper
 152 100
 115 54.2 26.8 80.4
 150 159.1 0.0 348.2



#76
 1,2,3-Trichloropropane
 Concen: 53.777 ug/l
 RT: 12.569 min Scan# 1867
 Delta R.T. -0.147 min
 Lab File: VD074616.D
 Acq: 21 Oct 2022 15:26

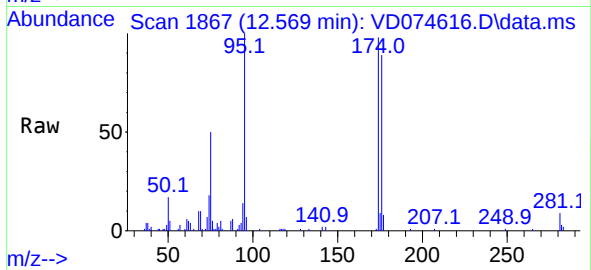
Tgt Ion: 75 Resp: 20806
 Ion Ratio Lower Upper
 75 100
 77 1.0 185.8 557.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 137.427 ug/l
RT: 12.569 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD074616.D
Acq: 21 Oct 2022 15:26

Instrument :
MSVOA_D
ClientSampleId :
SOILPILE-MIX



Tgt Ion: 75 Resp: 20806
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#

