

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030122\
 Data File : VD072135.D
 Acq On : 01 Mar 2022 13:08
 Operator : VA/SY
 Sample : N1650-01
 Misc : 5.09G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SW-SURFICIAL-SOIL-(SW-SS)

Quant Time: Mar 02 06:08:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 19 04:05:38 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	540171	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	923981	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	888995	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	408494	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	270532	48.282	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.560%
35) Dibromofluoromethane	7.914	113	283637	50.666	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.340%
50) Toluene-d8	10.332	98	1141363	54.978	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	109.960%
62) 4-Bromofluorobenzene	12.626	95	411427	53.952	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	107.900%

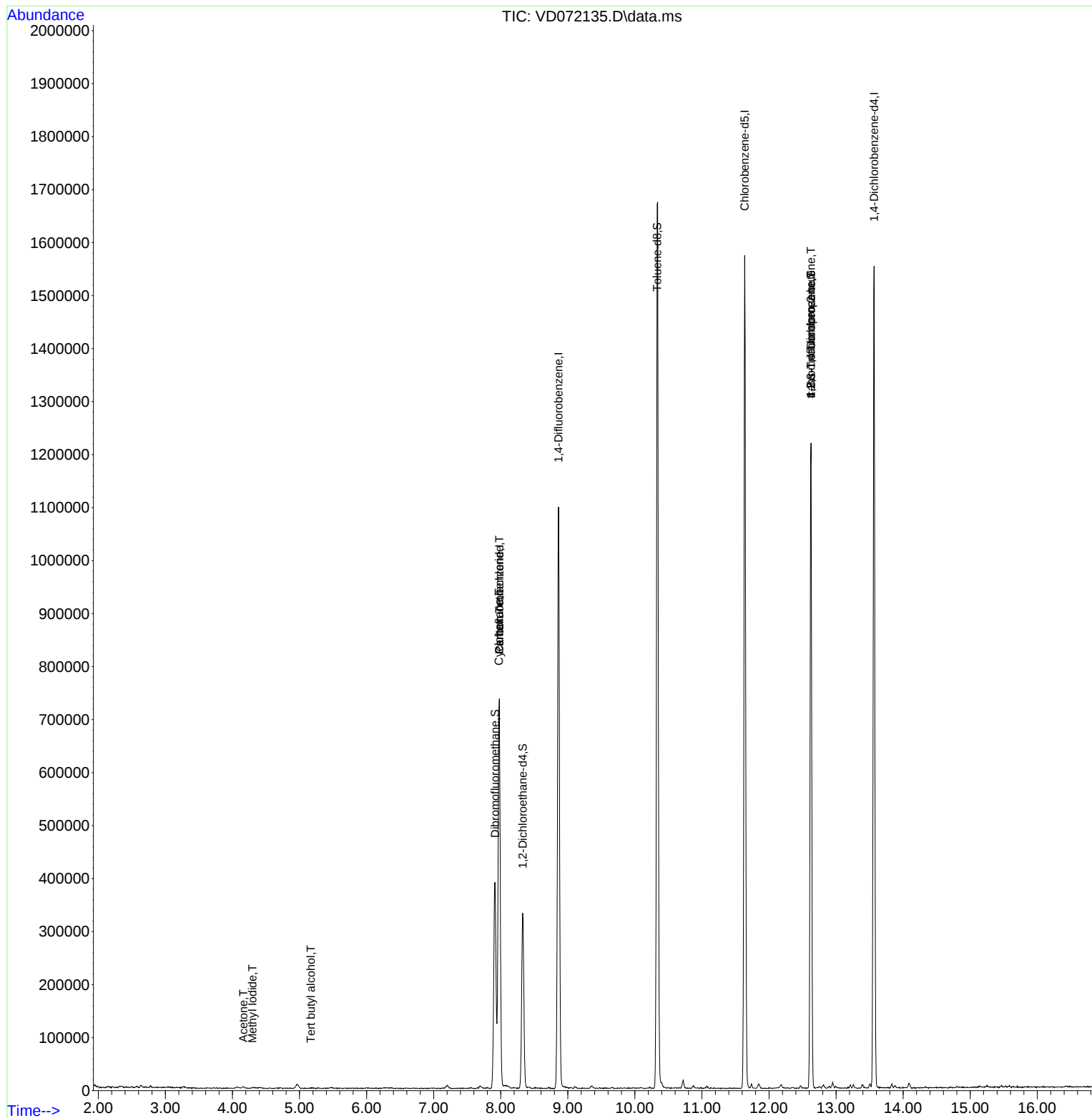
Target Compounds			Qvalue			
5) Bromomethane	2.779	94	1568	Below Cal	#	79
10) Methyl Iodide	4.297	142	1288	3.122	ug/l #	40
11) Tert butyl alcohol	5.168	59	937	2.931	ug/l #	80
16) Acetone	4.162	43	4668	3.855	ug/l	99
18) Methyl Acetate	4.726	43	63	Below Cal	#	52
31) Cyclohexane	7.973	56	13631	1.377	ug/l #	26
38) Carbon Tetrachloride	7.979	117	56145	6.460	ug/l #	19
76) 1,2,3-Trichloropropane	12.626	75	208191	53.805	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	208191	134.740	ug/l #	10

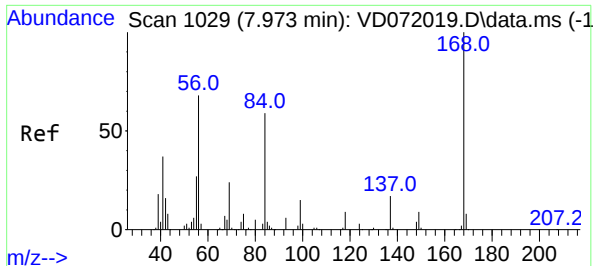
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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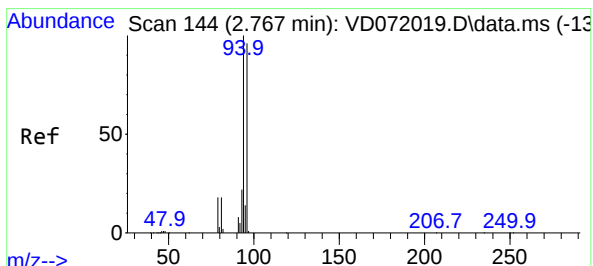
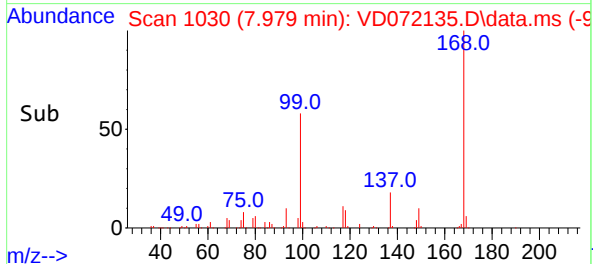
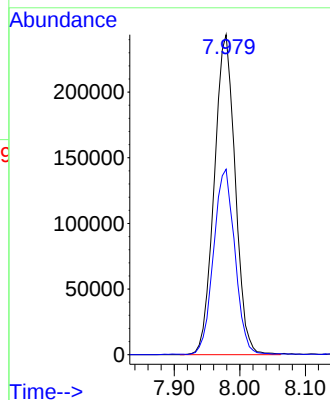
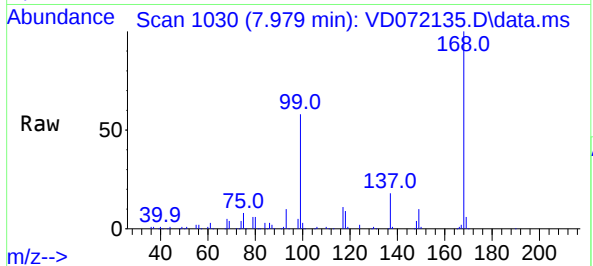




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD072135.D
Acq: 01 Mar 2022 13:08

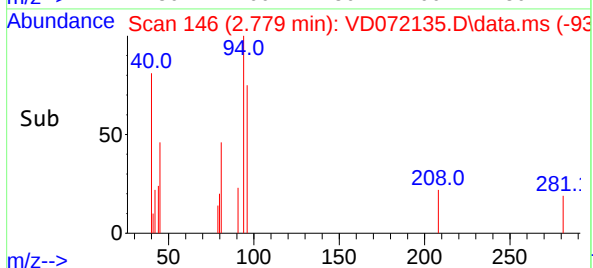
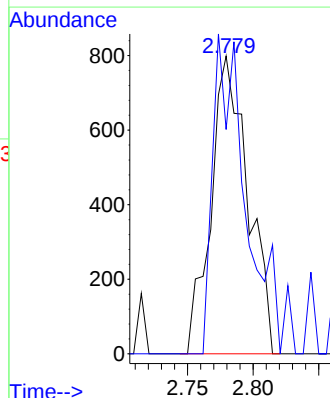
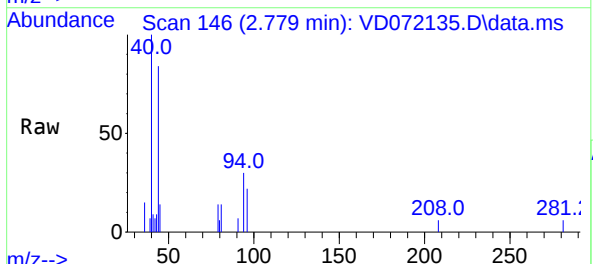
Instrument :
MSVOA_D
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)

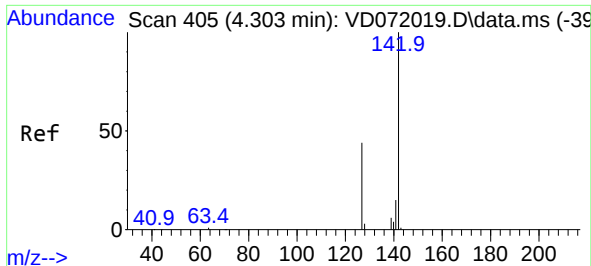
Tgt Ion:168 Resp: 540171
Ion Ratio Lower Upper
168 100
99 57.8 47.1 70.7



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.012 min
Lab File: VD072135.D
Acq: 01 Mar 2022 13:08

Tgt Ion: 94 Resp: 1568
Ion Ratio Lower Upper
94 100
96 75.3 76.8 115.2#

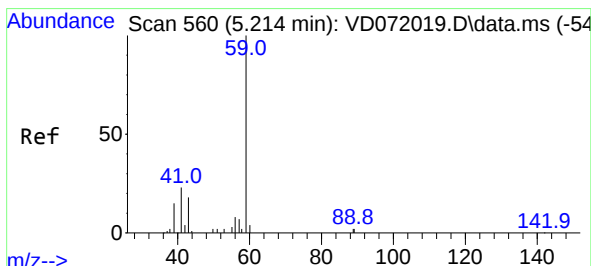
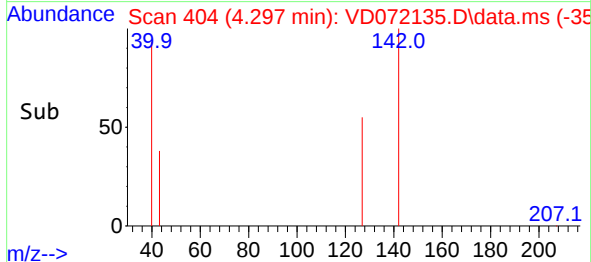
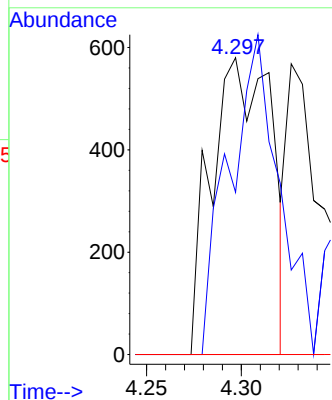
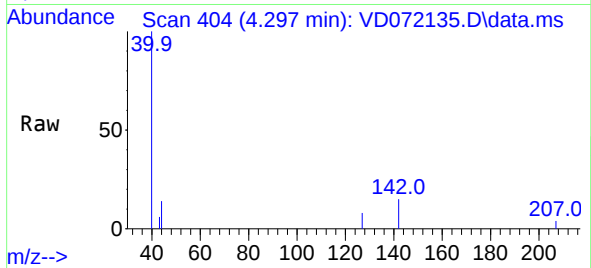




#10
Methyl Iodide
Concen: 3.122 ug/l
RT: 4.297 min Scan# 405
Delta R.T. -0.006 min
Lab File: VD072135.D
Acq: 01 Mar 2022 13:08

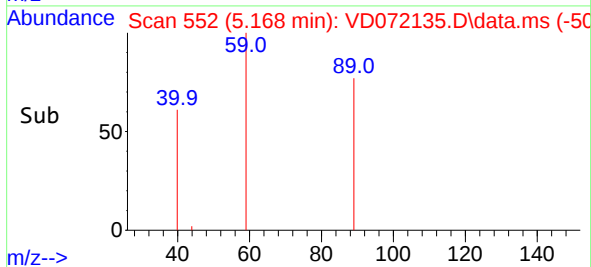
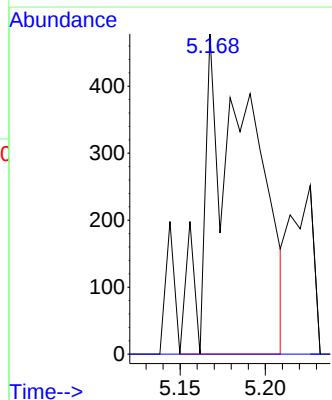
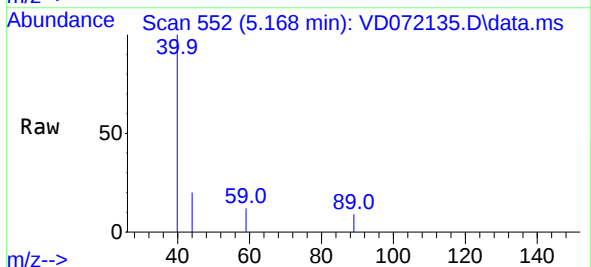
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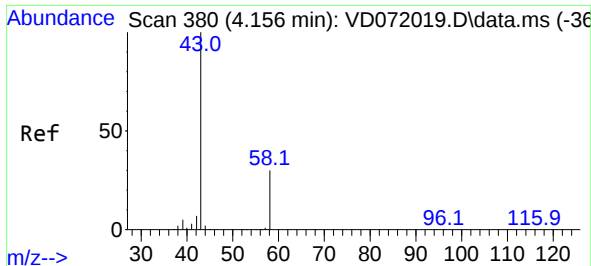
Tgt Ion:142 Resp: 1288
Ion Ratio Lower Upper
142 100
127 89.1 35.8 53.8#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 2.931 ug/l
RT: 5.168 min Scan# 552
Delta R.T. -0.047 min
Lab File: VD072135.D
Acq: 01 Mar 2022 13:08

Tgt Ion: 59 Resp: 937
Ion Ratio Lower Upper
59 100
57 0.0 5.4 8.2#

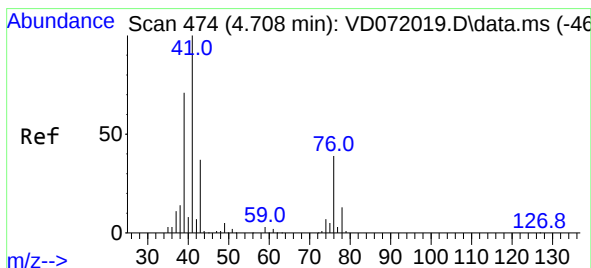
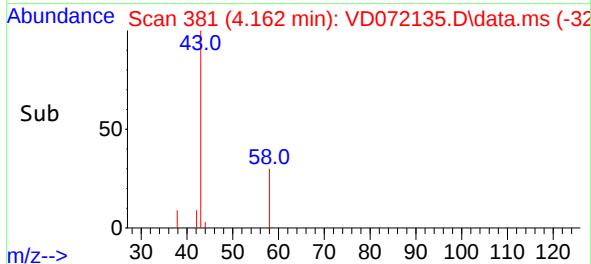
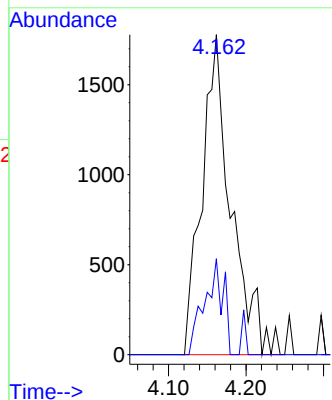
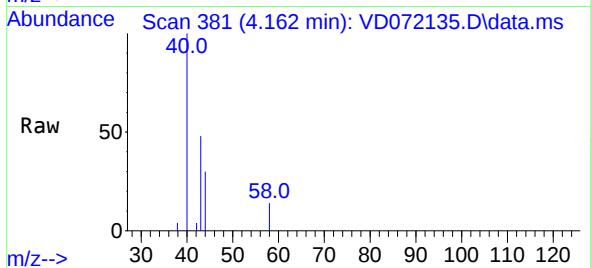




#16
Acetone
Concen: 3.855 ug/l
RT: 4.162 min Scan# 380
Delta R.T. 0.006 min
Lab File: VD072135.D
Acq: 01 Mar 2022 13:08

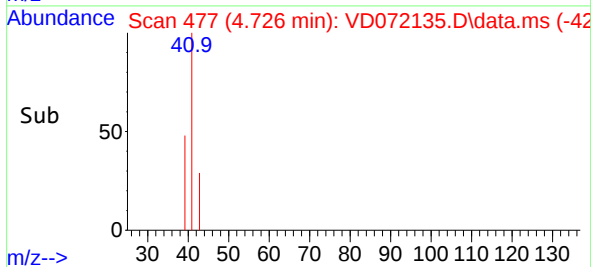
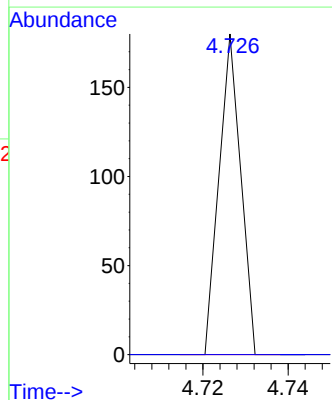
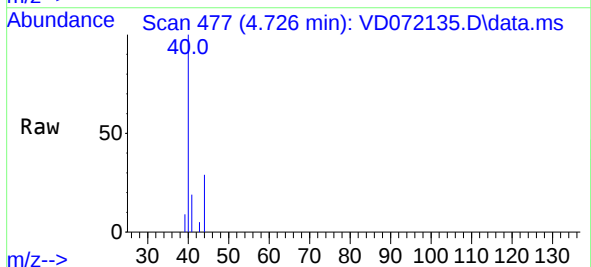
Instrument :
MSVOA_D
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)

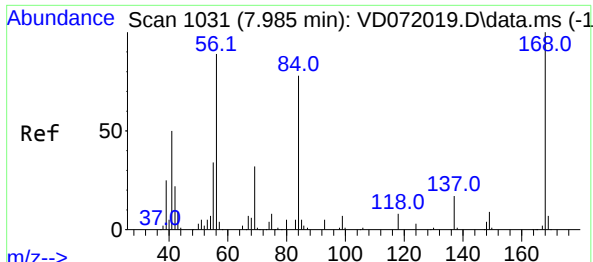
Tgt Ion: 43 Resp: 4668
Ion Ratio Lower Upper
43 100
58 30.0 23.8 35.6



#18
Methyl Acetate
Concen: Below Cal
RT: 4.726 min Scan# 477
Delta R.T. 0.018 min
Lab File: VD072135.D
Acq: 01 Mar 2022 13:08

Tgt Ion: 43 Resp: 63
Ion Ratio Lower Upper
43 100
74 0.0 18.6 27.8#

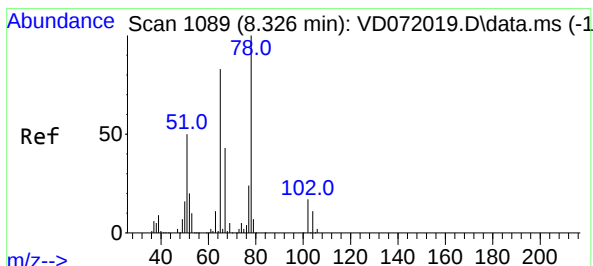
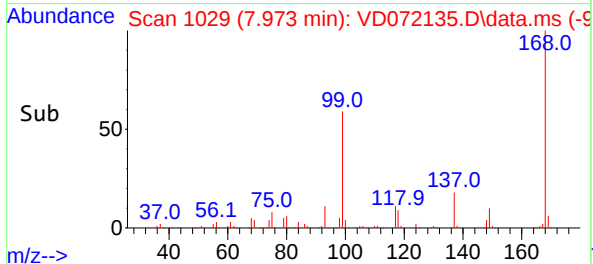
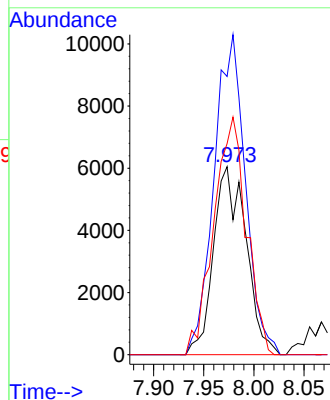
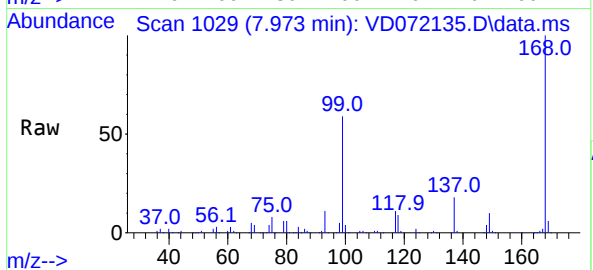




#31
Cyclohexane
Concen: 1.377 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD072135.D
Acq: 01 Mar 2022 13:08

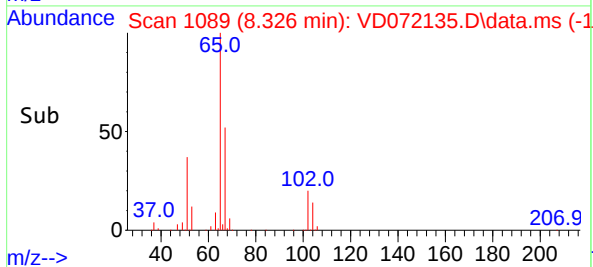
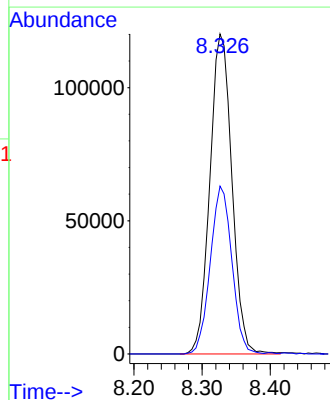
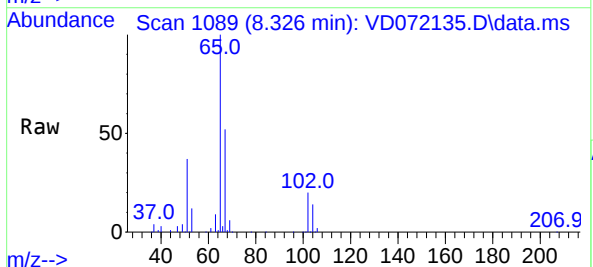
Instrument :
MSVOA_D
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)

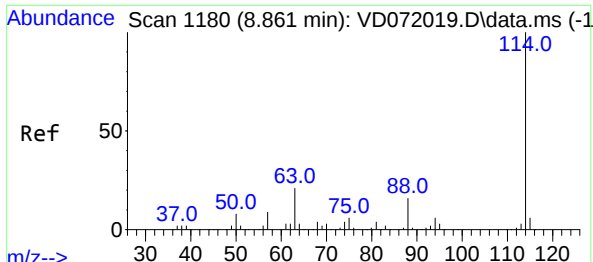
Tgt Ion: 56 Resp: 13631
Ion Ratio Lower Upper
56 100
69 148.0 28.9 43.3#
84 112.3 70.6 105.8#



#33
1,2-Dichloroethane-d4
Concen: 48.282 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD072135.D
Acq: 01 Mar 2022 13:08

Tgt Ion: 65 Resp: 270532
Ion Ratio Lower Upper
65 100
67 51.3 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD072135.D

Acq: 01 Mar 2022 13:08

Instrument :

MSVOA_D

ClientSampleId :

SW-SURFICIAL-SOIL-(SW-SS)

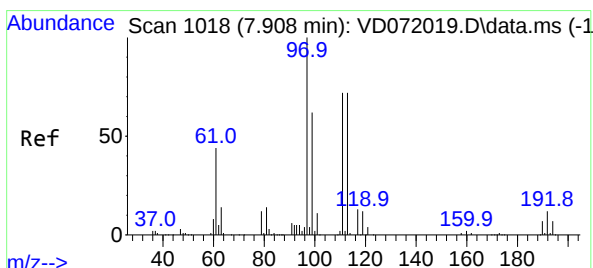
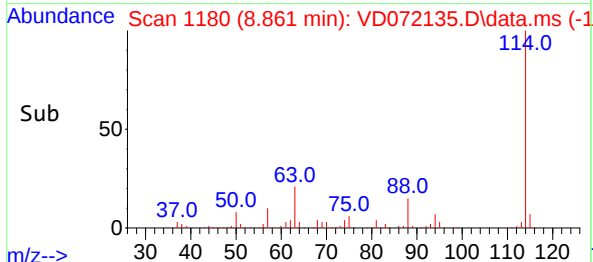
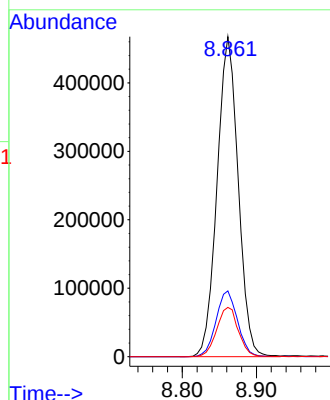
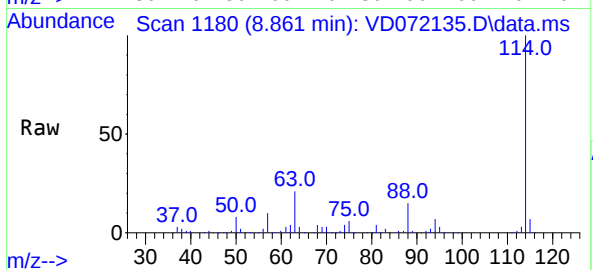
Tgt Ion:114 Resp: 923981

Ion Ratio Lower Upper

114 100

63 20.6 0.0 42.2

88 15.4 0.0 31.2



#35

Dibromofluoromethane

Concen: 50.666 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VD072135.D

Acq: 01 Mar 2022 13:08

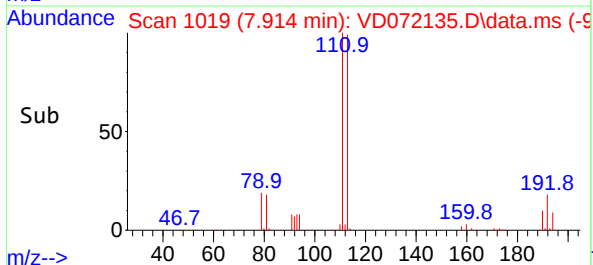
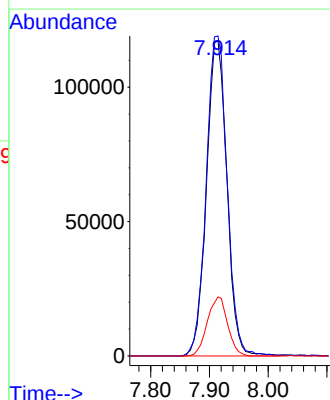
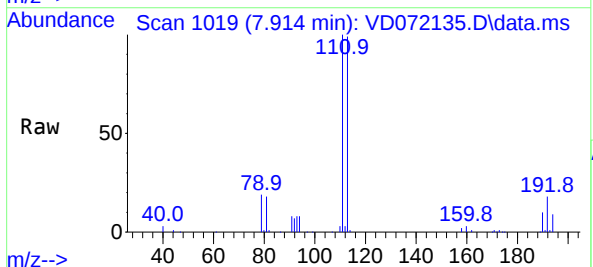
Tgt Ion:113 Resp: 283637

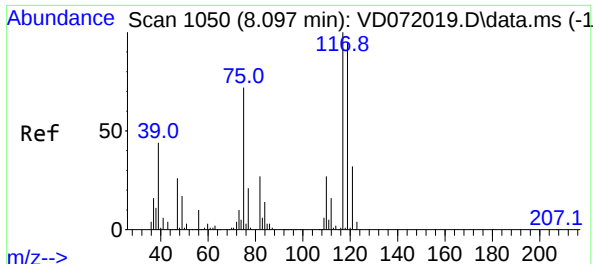
Ion Ratio Lower Upper

113 100

111 103.9 83.0 124.4

192 18.5 15.3 22.9

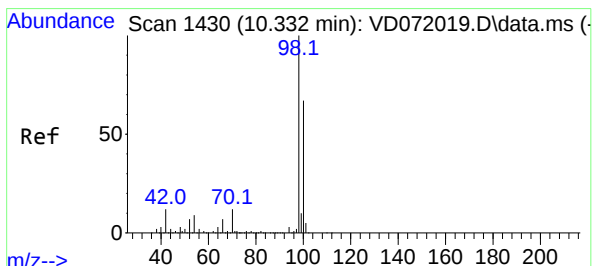
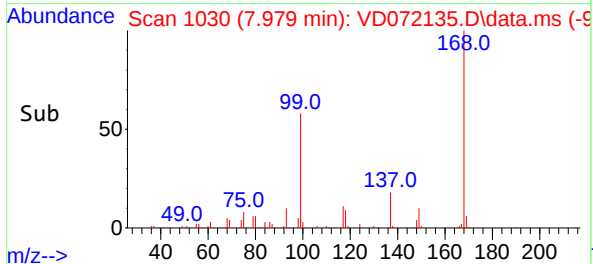
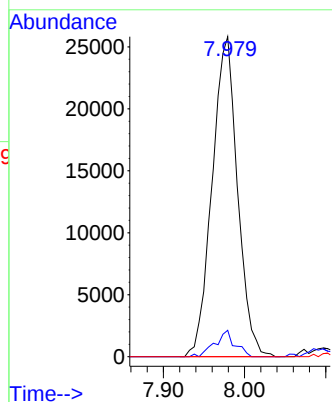
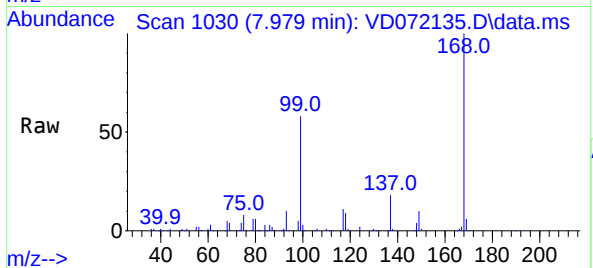




#38
Carbon Tetrachloride
Concen: 6.460 ug/l
RT: 7.979 min Scan# 1050
Delta R.T. -0.117 min
Lab File: VD072135.D
Acq: 01 Mar 2022 13:08

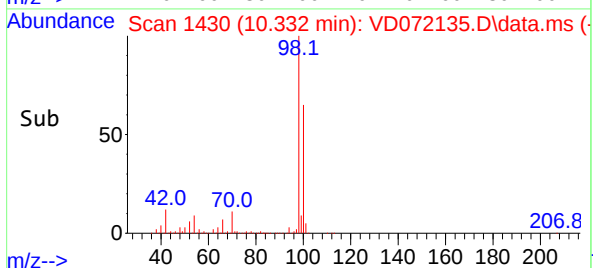
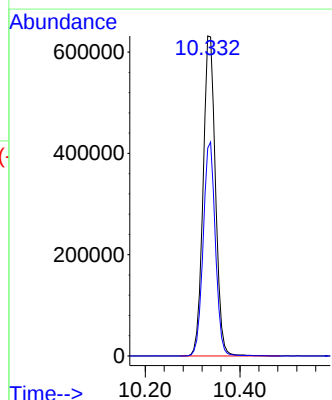
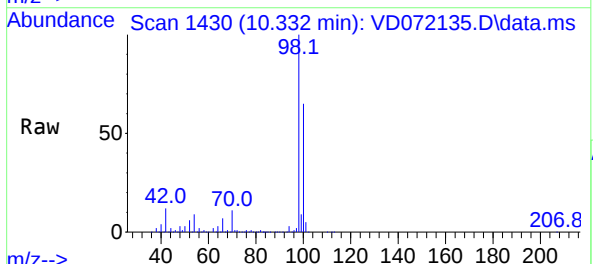
Instrument : MSVOA_D
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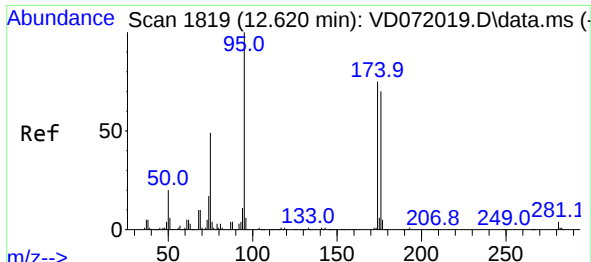
Tgt Ion:117 Resp: 56145
Ion Ratio Lower Upper
117 100
119 8.2 75.8 113.8#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 54.978 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD072135.D
Acq: 01 Mar 2022 13:08

Tgt Ion: 98 Resp: 1141363
Ion Ratio Lower Upper
98 100
100 66.0 53.8 80.6

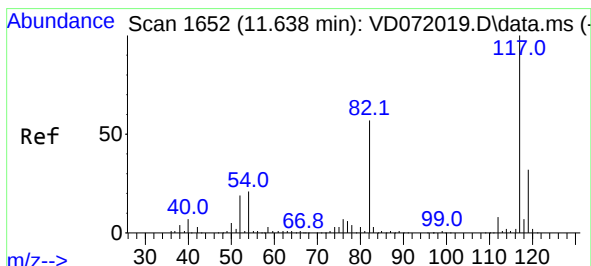
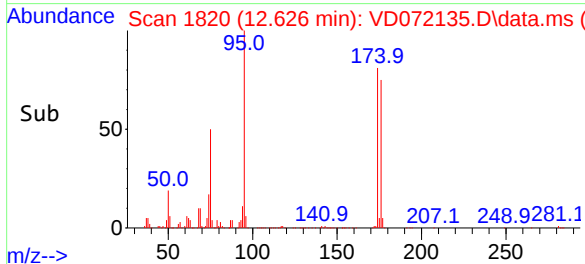
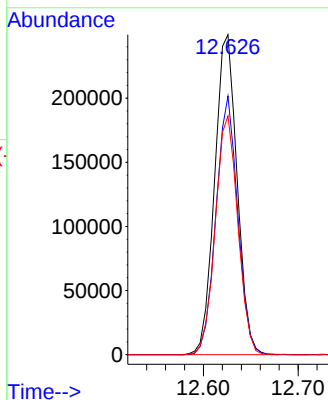
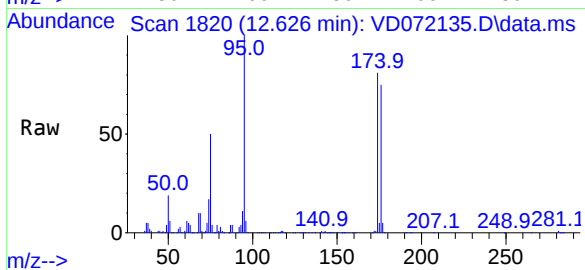




#62
4-Bromofluorobenzene
Concen: 53.952 ug/l
RT: 12.626 min Scan# 1819
Delta R.T. 0.006 min
Lab File: VD072135.D
Acq: 01 Mar 2022 13:08

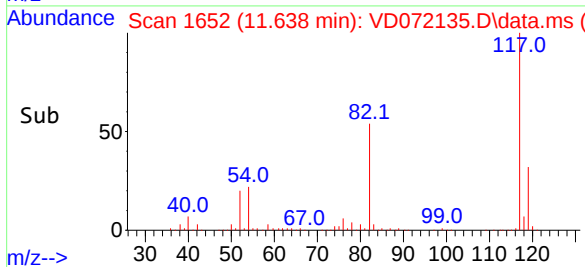
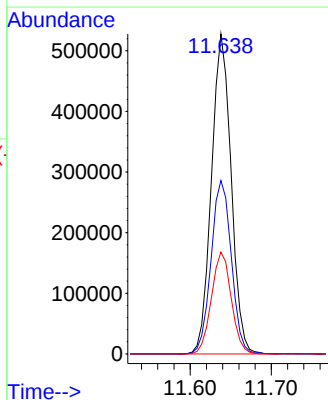
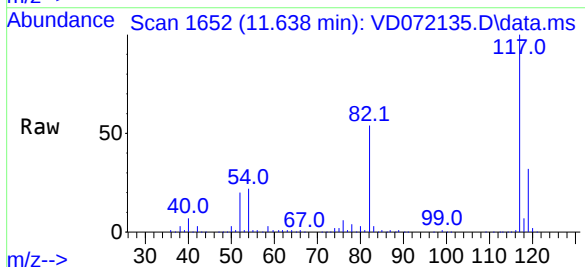
Instrument :
MSVOA_D
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SW-SURFICIAL-SOIL-(SW-SS)

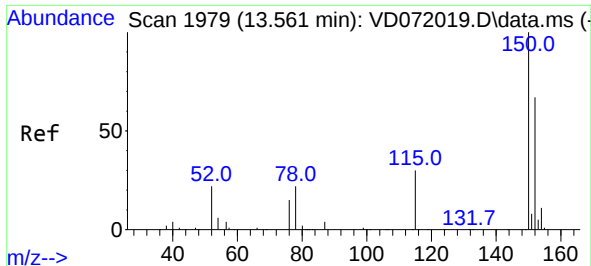
Tgt Ion: 95 Resp: 411427
Ion Ratio Lower Upper
95 100
174 78.3 0.0 155.0
176 74.6 0.0 148.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072135.D
Acq: 01 Mar 2022 13:08

Tgt Ion: 117 Resp: 888995
Ion Ratio Lower Upper
117 100
82 54.2 45.4 68.0
119 31.9 25.4 38.2

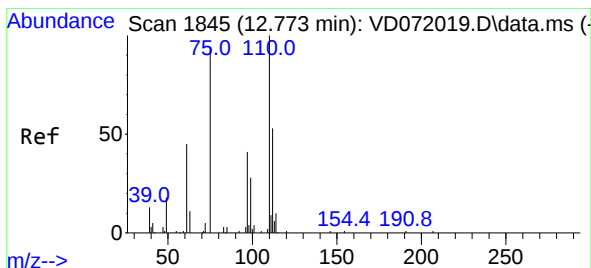
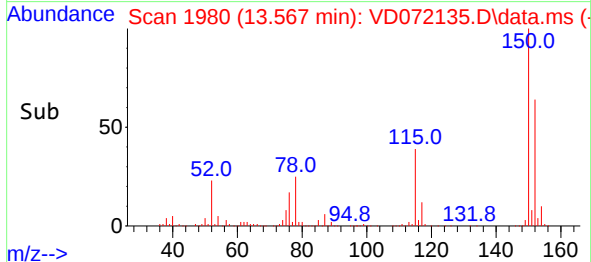
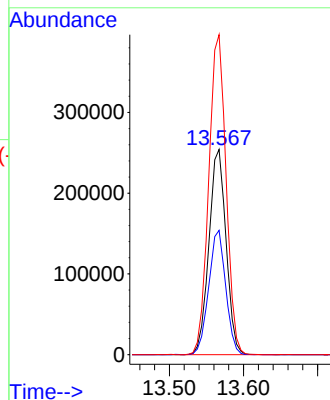
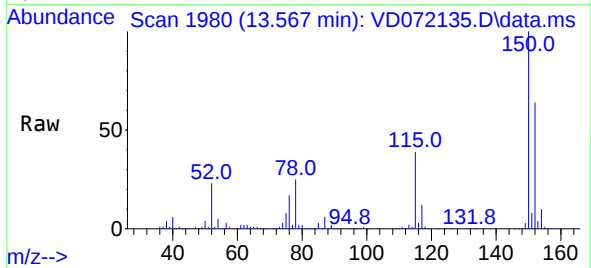




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1979
Delta R.T. 0.006 min
Lab File: VD072135.D
Acq: 01 Mar 2022 13:08

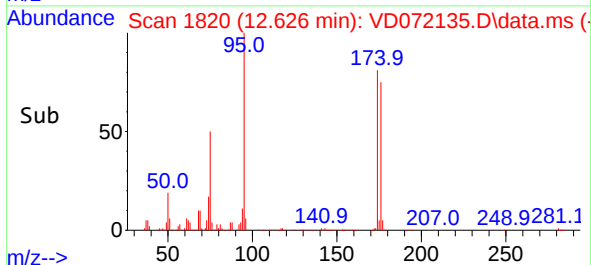
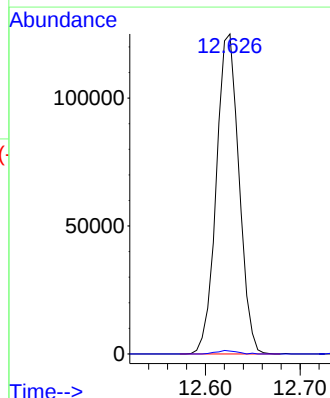
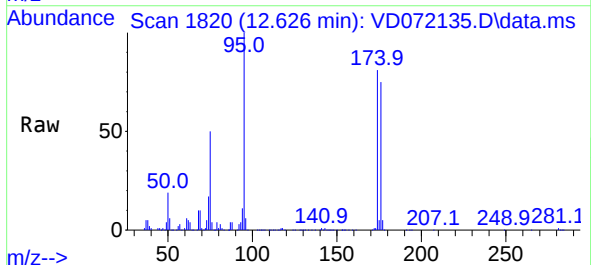
Instrument :
MSVOA_D
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)

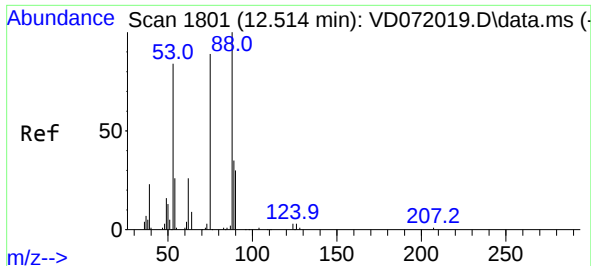
Tgt Ion:152 Resp: 408494
Ion Ratio Lower Upper
152 100
115 60.1 29.9 89.7
150 157.3 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 53.805 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD072135.D
Acq: 01 Mar 2022 13:08

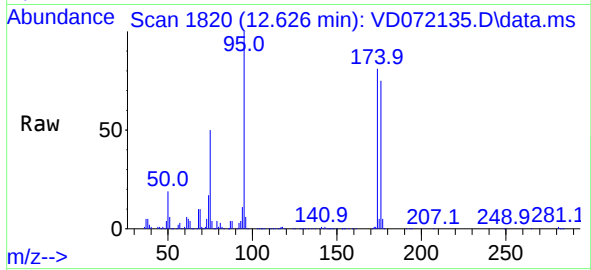
Tgt Ion: 75 Resp: 208191
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 134.740 ug/l
 RT: 12.626 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VD072135.D
 Acq: 01 Mar 2022 13:08

Instrument : MSVOA_D
 ClientSampleId : SW-SURFICIAL-SOIL-(SW-SS)



Tgt Ion: 75 Resp: 208191
 Ion Ratio Lower Upper
 75 100
 53 0.1 80.2 120.4#
 89 0.0 36.4 54.6#

