

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061923\
 Data File : VD076469.D
 Acq On : 19 Jun 2023 14:41
 Operator : KP/SY
 Sample : 03262-04
 Misc : 4.77G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WS-SOIL2-0615

Quant Time: Jun 20 05:25:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061623S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 19 04:51:45 2023
 Response via : Initial Calibration

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

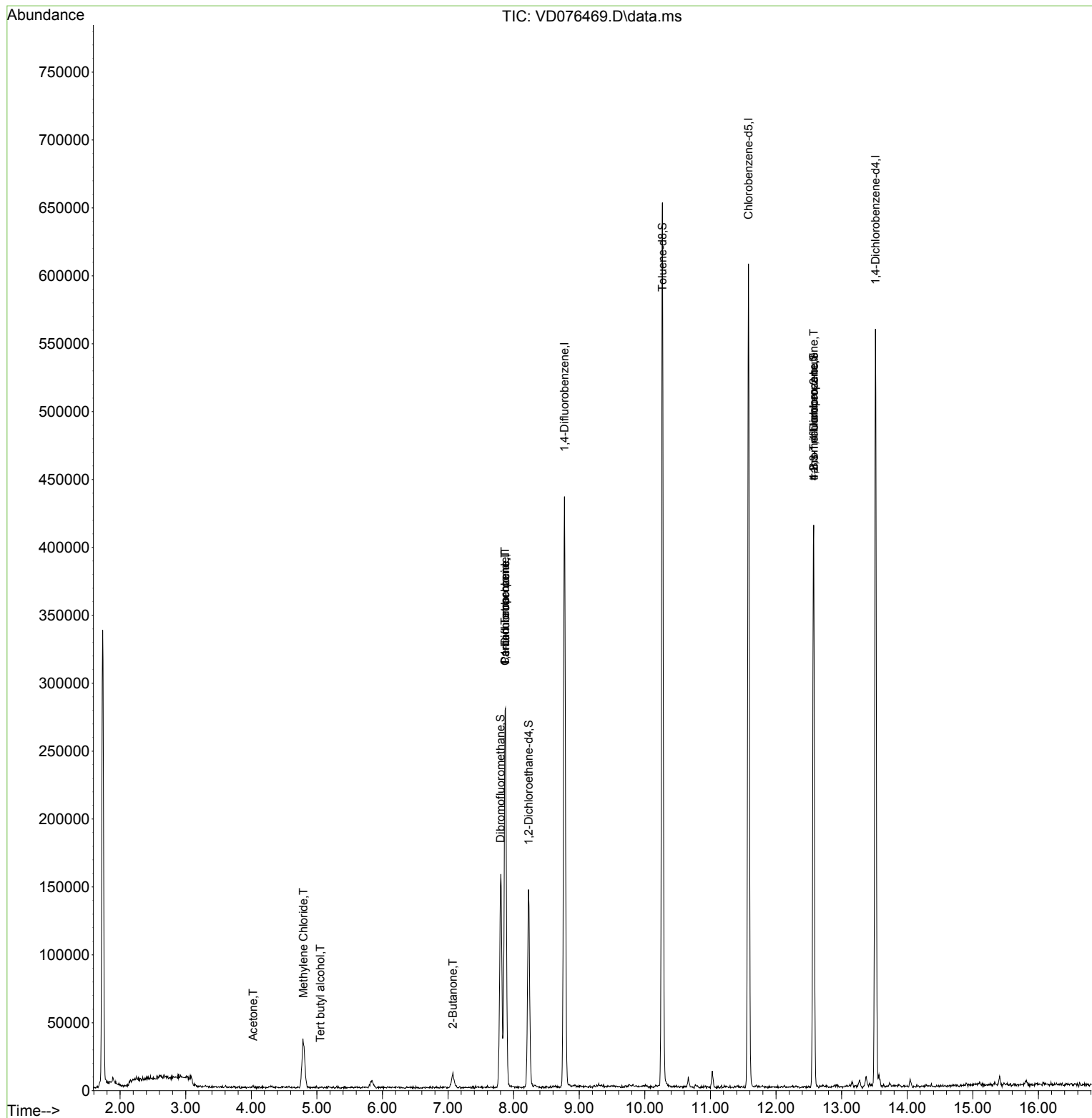
Internal Standards						
1) Pentafluorobenzene	7.875	168	222544	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	385163	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	338920	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	147028	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	104034	46.658	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.320%
35) Dibromofluoromethane	7.799	113	110212	48.167	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.340%
50) Toluene-d8	10.269	98	431457	49.721	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.440%
62) 4-Bromofluorobenzene	12.575	95	128434	45.604	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	91.200%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.052	59	249	1.293	ug/l #	73
16) Acetone	4.028	43	1233	2.324	ug/l	87
20) Methylene Chloride	4.793	84	25979	1.145	ug/l #	84
25) 2-Butanone	7.075	43	1043	1.271	ug/l #	37
28) Bromochloromethane	7.399	49	57	Below Cal	#	1
36) 1,1-Dichloropropene	7.869	75	17129	5.346	ug/l #	48
38) Carbon Tetrachloride	7.869	117	21475	7.498	ug/l #	17
76) 1,2,3-Trichloropropane	12.575	75	66347	45.468	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	66347	99.630	ug/l #	17

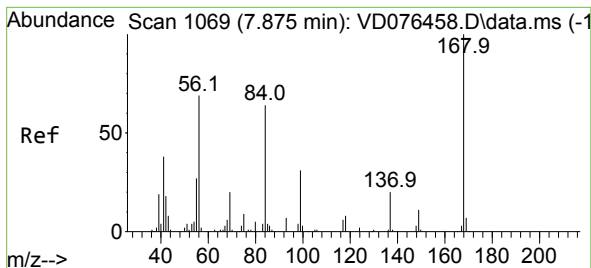
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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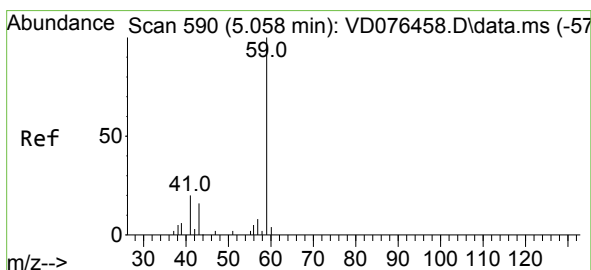
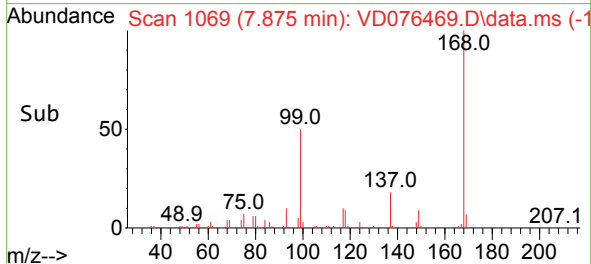
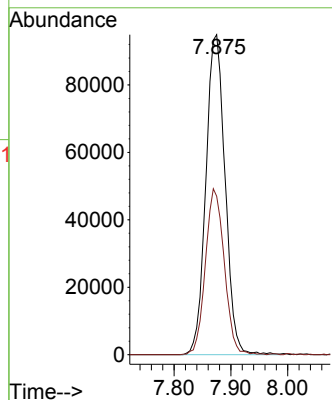
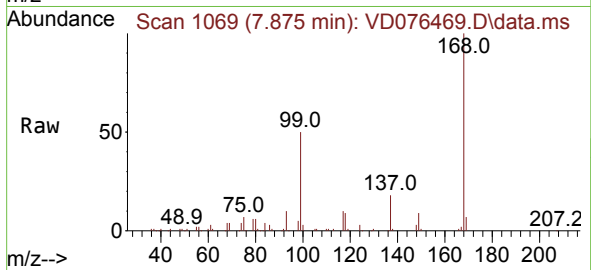




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076469.D
Acq: 19 Jun 2023 14:41

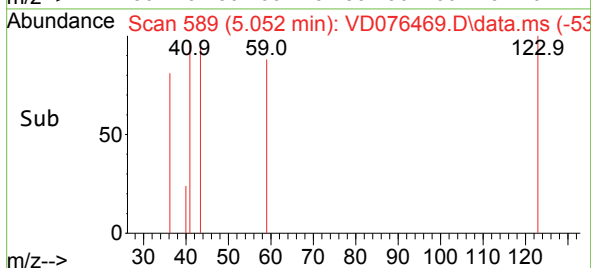
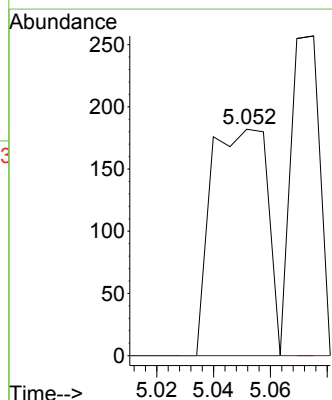
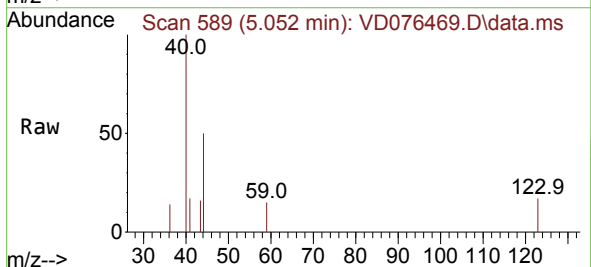
Instrument :
MSVOA_D
ClientSampleId :
WS-SOIL2-0615

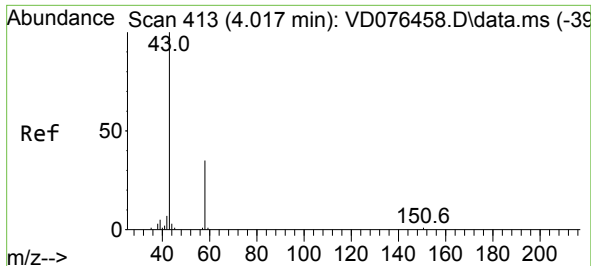
Tgt Ion:168 Resp: 222544
Ion Ratio Lower Upper
168 100
99 49.5 36.7 55.1



#11
Tert butyl alcohol
Concen: 1.293 ug/l
RT: 5.052 min Scan# 589
Delta R.T. -0.006 min
Lab File: VD076469.D
Acq: 19 Jun 2023 14:41

Tgt Ion: 59 Resp: 249
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#16

Acetone

Concen: 2.324 ug/l

RT: 4.028 min Scan# 41

Delta R.T. 0.012 min

Lab File: VD076469.D

Acq: 19 Jun 2023 14:41

Instrument :

MSVOA_D

ClientSampleId :

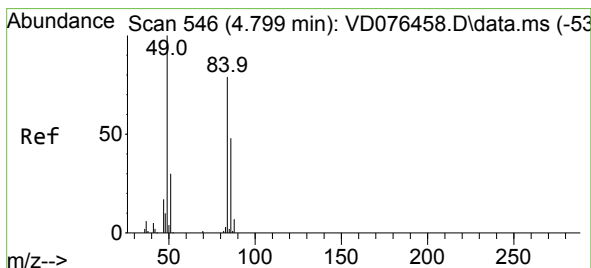
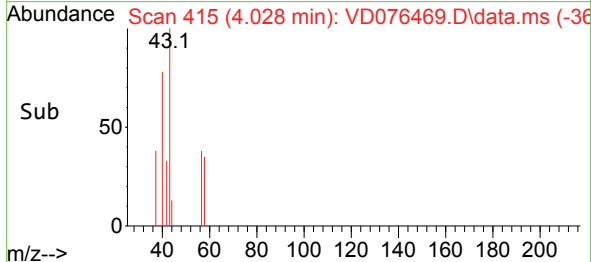
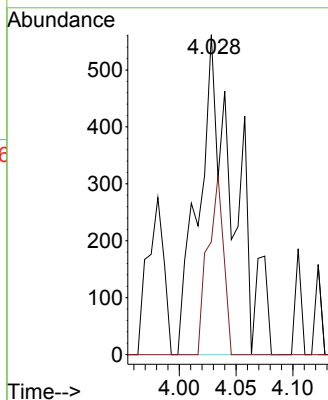
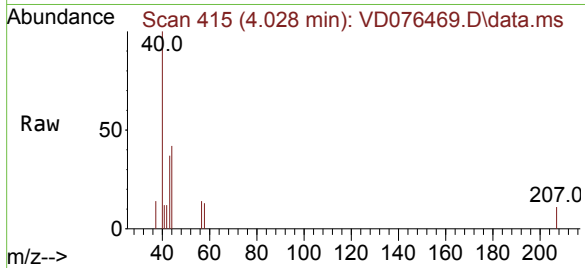
WS-SOIL2-0615

Tgt Ion: 43 Resp: 1233

Ion Ratio Lower Upper

43 100

58 35.2 34.7 52.1



#20

Methylene Chloride

Concen: 1.145 ug/l

RT: 4.793 min Scan# 545

Delta R.T. -0.006 min

Lab File: VD076469.D

Acq: 19 Jun 2023 14:41

Tgt Ion: 84 Resp: 25979

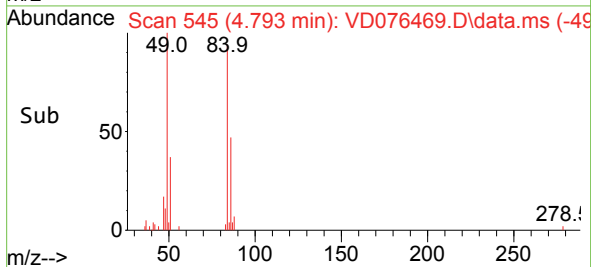
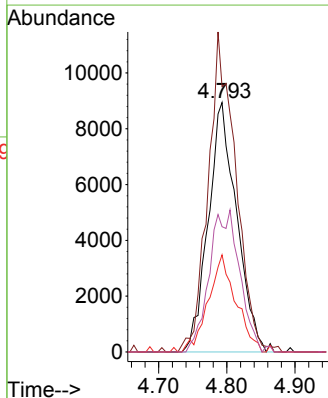
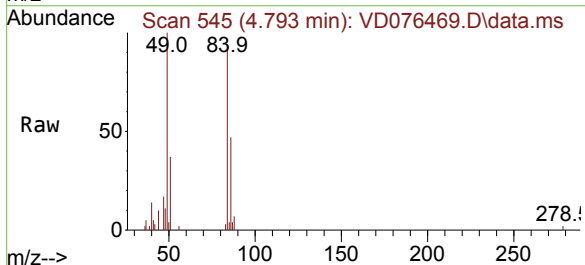
Ion Ratio Lower Upper

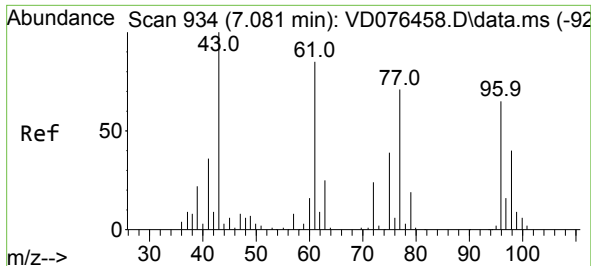
84 100

49 106.4 71.4 107.2

51 38.9 24.5 36.7#

86 50.2 48.7 73.1

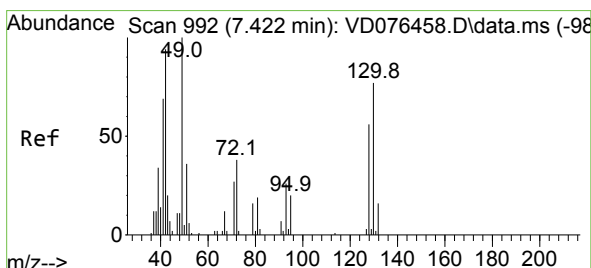
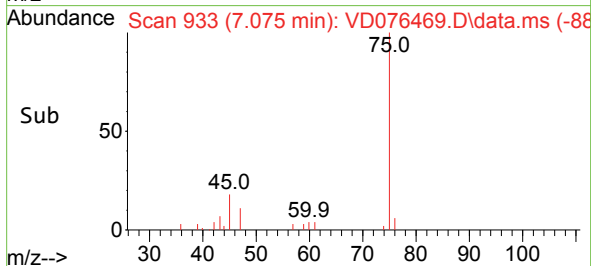
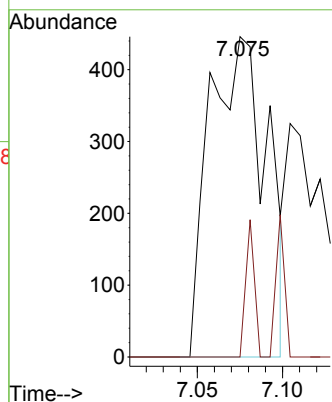
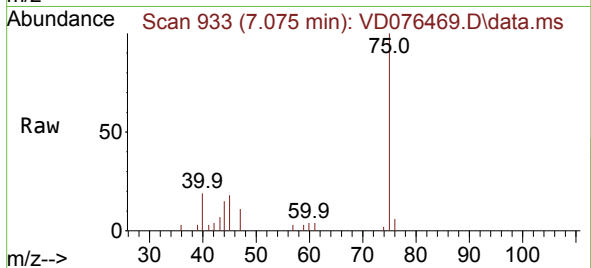




#25
2-Butanone
Concen: 1.271 ug/l
RT: 7.075 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD076469.D
Acq: 19 Jun 2023 14:41

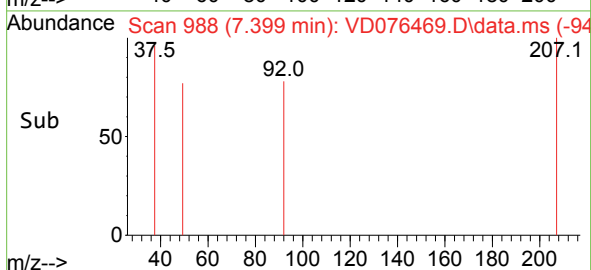
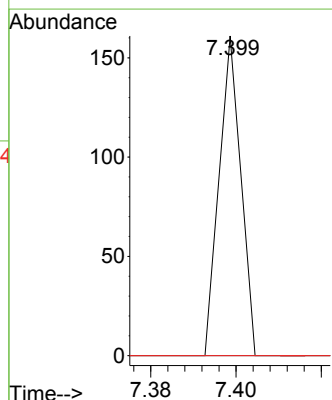
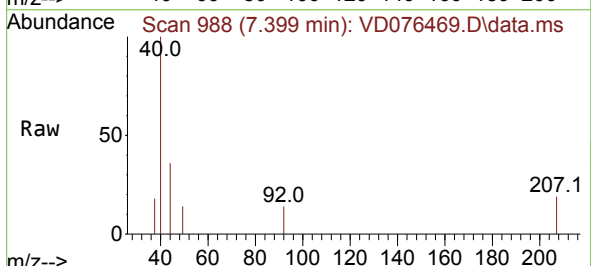
Instrument :
MSVOA_D
ClientSampleId :
WS-SOIL2-0615

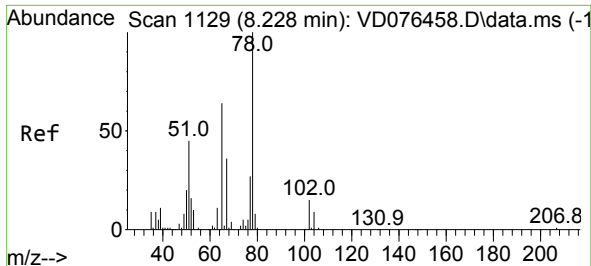
Tgt Ion: 43 Resp: 1043
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#28
Bromochloromethane
Concen: Below Cal
RT: 7.399 min Scan# 988
Delta R.T. -0.023 min
Lab File: VD076469.D
Acq: 19 Jun 2023 14:41

Tgt Ion: 49 Resp: 57
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.0
130 0.0 83.2 124.8#





#33

1,2-Dichloroethane-d4

Concen: 46.658 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD076469.D

Acq: 19 Jun 2023 14:41

Instrument :

MSVOA_D

ClientSampleId :

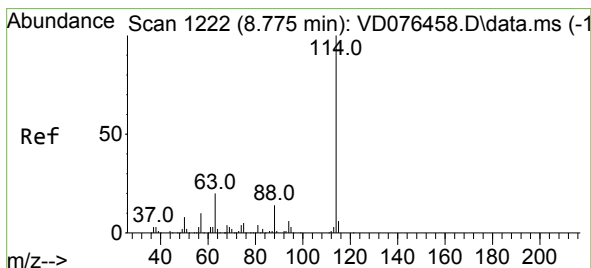
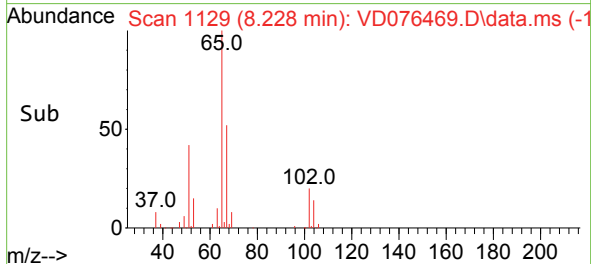
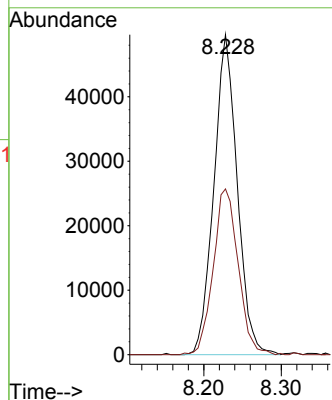
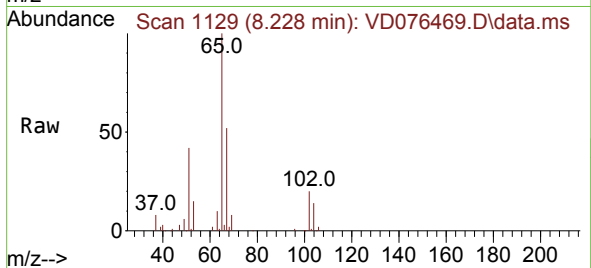
WS-SOIL2-0615

Tgt Ion: 65 Resp: 104034

Ion Ratio Lower Upper

65 100

67 55.4 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VD076469.D

Acq: 19 Jun 2023 14:41

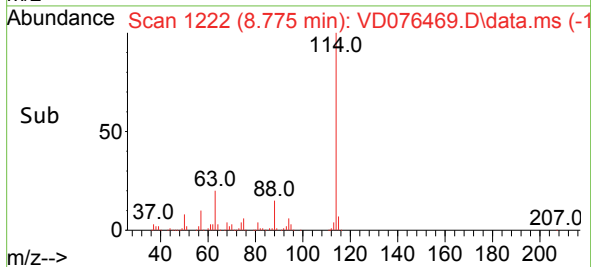
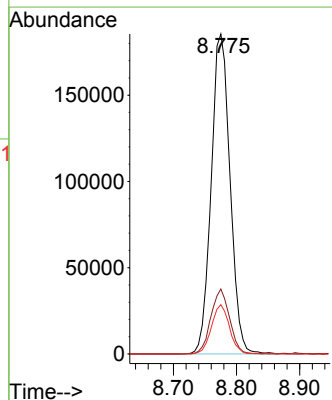
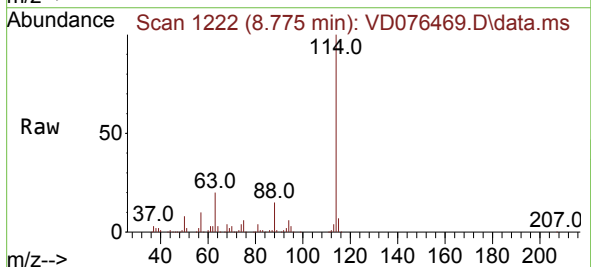
Tgt Ion: 114 Resp: 385163

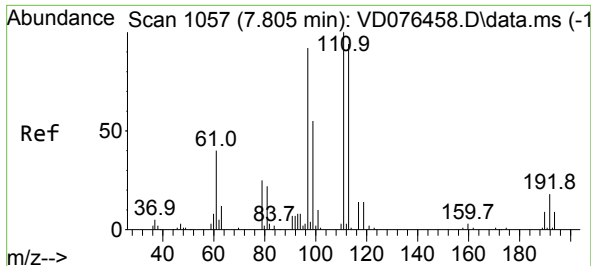
Ion Ratio Lower Upper

114 100

63 20.3 0.0 33.4

88 15.4 0.0 26.2





#35

Dibromofluoromethane

Concen: 48.167 ug/l

RT: 7.799 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VD076469.D

Acq: 19 Jun 2023 14:41

Instrument :

MSVOA_D

ClientSampleId :

WS-SOIL2-0615

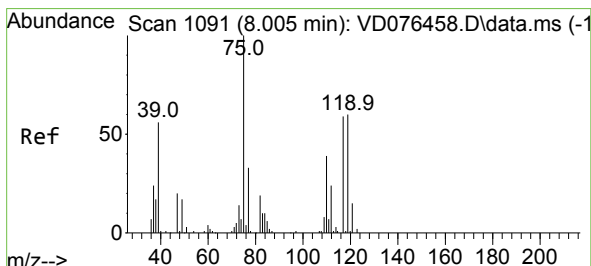
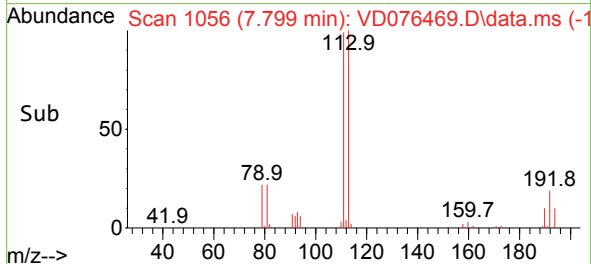
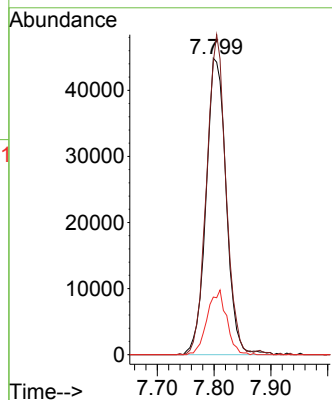
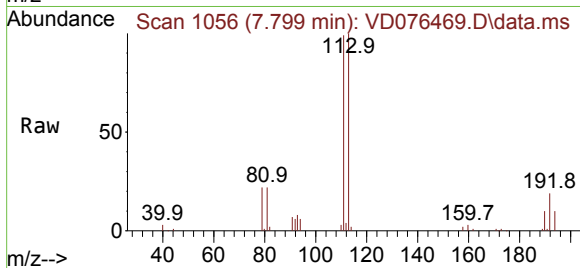
Tgt Ion:113 Resp: 110212

Ion Ratio Lower Upper

113 100

111 103.4 84.7 127.1

192 21.1 16.8 25.2



#36

1,1-Dichloropropene

Concen: 5.346 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.135 min

Lab File: VD076469.D

Acq: 19 Jun 2023 14:41

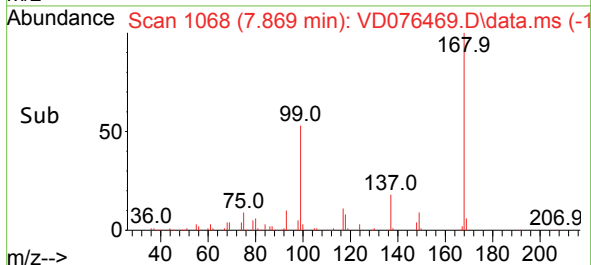
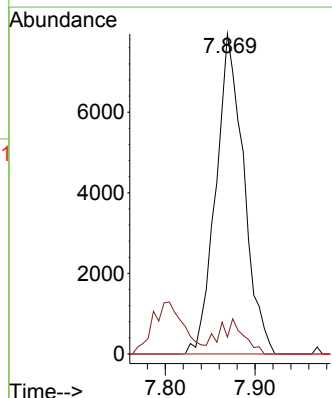
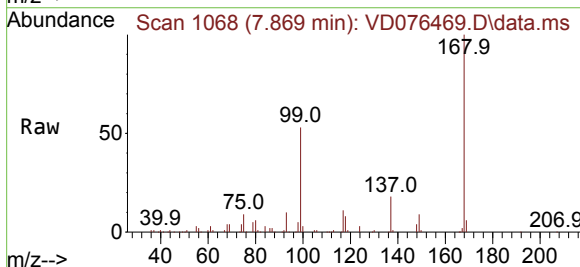
Tgt Ion: 75 Resp: 17129

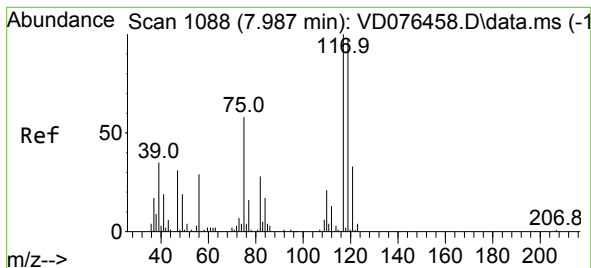
Ion Ratio Lower Upper

75 100

110 9.5 19.9 59.6#

77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 7.498 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.118 min

Lab File: VD076469.D

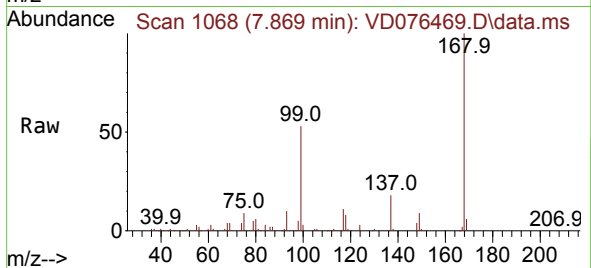
Acq: 19 Jun 2023 14:41

Instrument :

MSVOA_D

ClientSampleId :

WS-SOIL2-0615



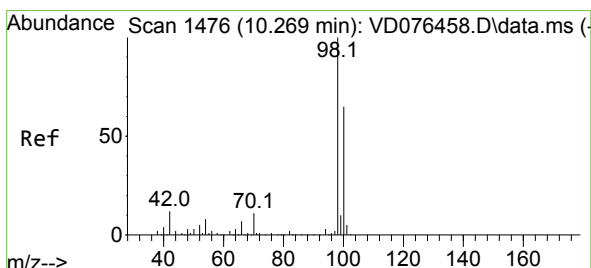
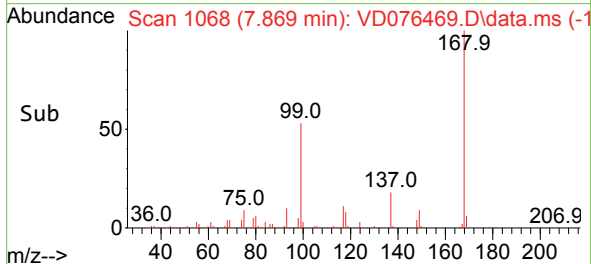
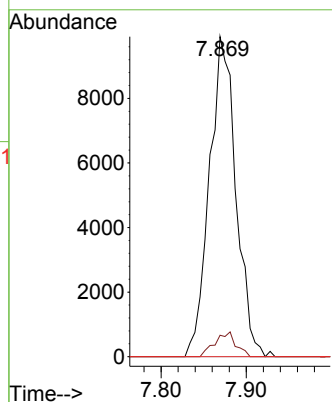
Tgt Ion:117 Resp: 21475

Ion Ratio Lower Upper

117 100

119 6.7 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 49.721 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD076469.D

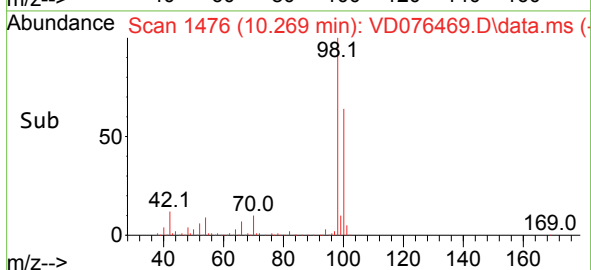
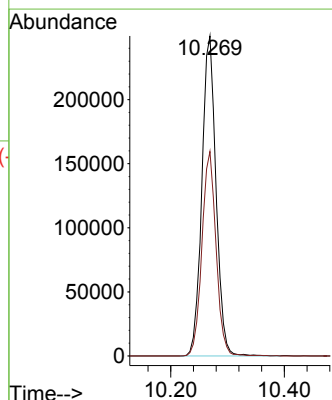
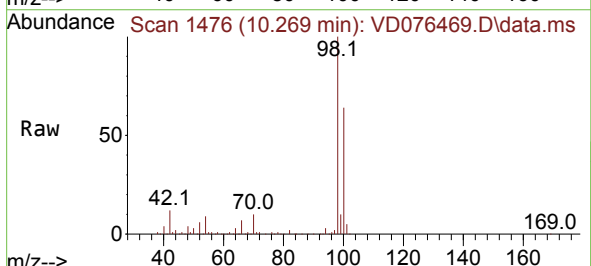
Acq: 19 Jun 2023 14:41

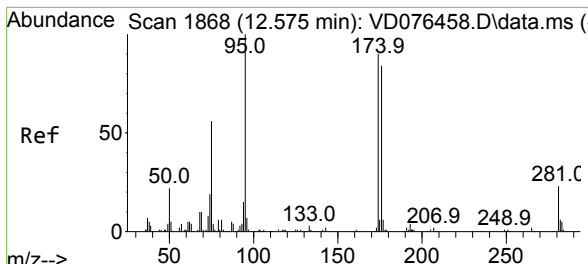
Tgt Ion: 98 Resp: 431457

Ion Ratio Lower Upper

98 100

100 63.7 50.3 75.5

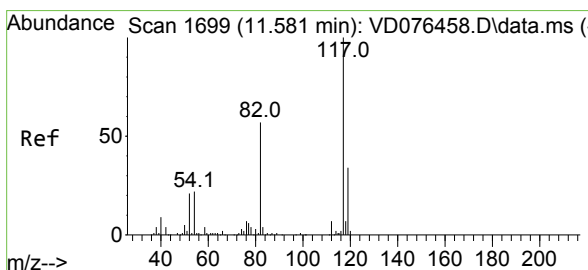
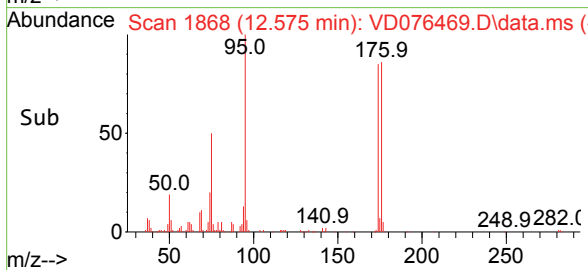
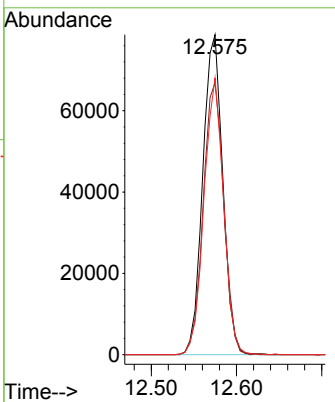
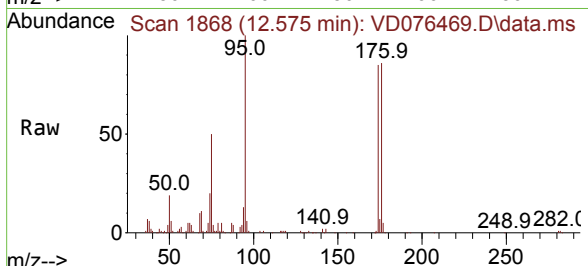




#62
 4-Bromofluorobenzene
 Concen: 45.604 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.000 min
 Lab File: VD076469.D
 Acq: 19 Jun 2023 14:41

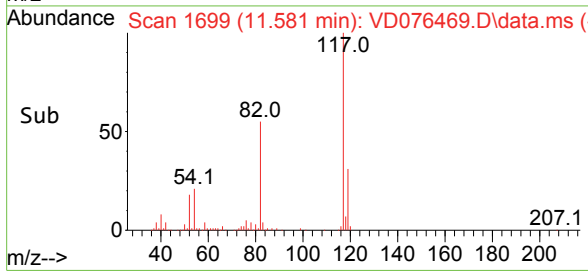
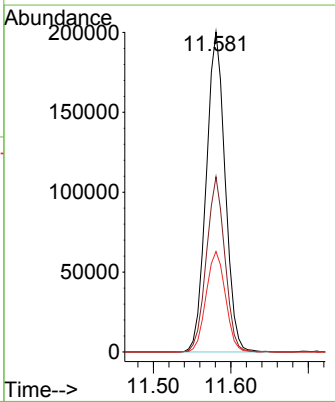
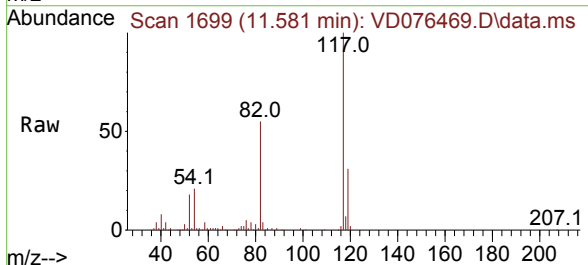
Instrument :
 MSVOA_D
 ClientSampleId :
 WS-SOIL2-0615

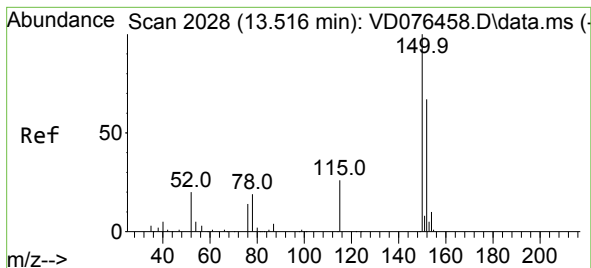
Tgt Ion:	95	Resp:	128434
Ion Ratio	Lower	Upper	
95	100		
174	87.0	0.0	201.8
176	84.5	0.0	191.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.581 min Scan# 1699
 Delta R.T. -0.000 min
 Lab File: VD076469.D
 Acq: 19 Jun 2023 14:41

Tgt Ion:	117	Resp:	338920
Ion Ratio	Lower	Upper	
117	100		
82	54.8	38.3	57.5
119	31.4	25.0	37.4

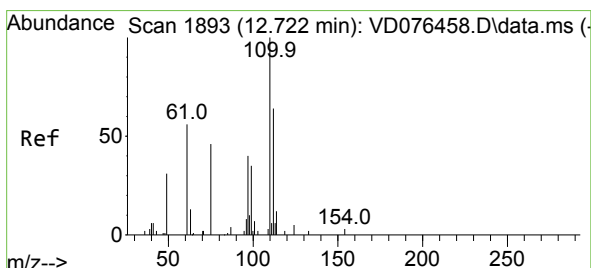
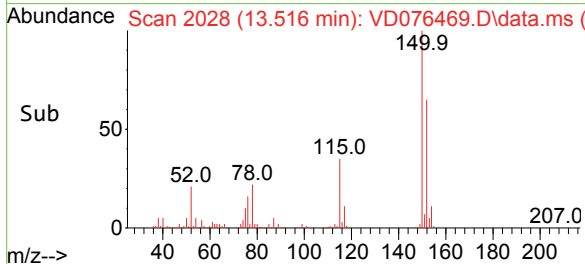
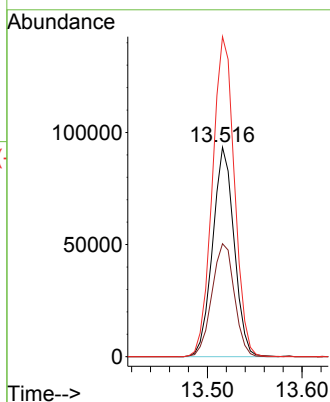
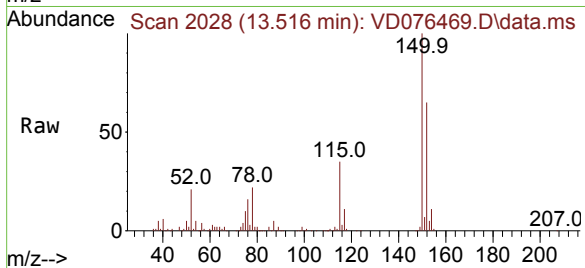




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 2028
 Delta R.T. -0.000 min
 Lab File: VD076469.D
 Acq: 19 Jun 2023 14:41

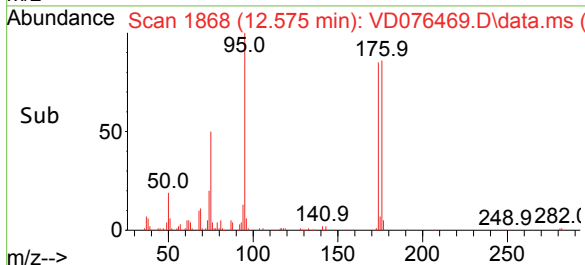
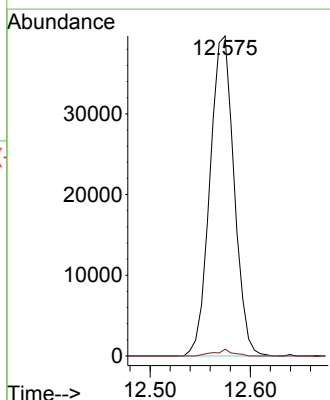
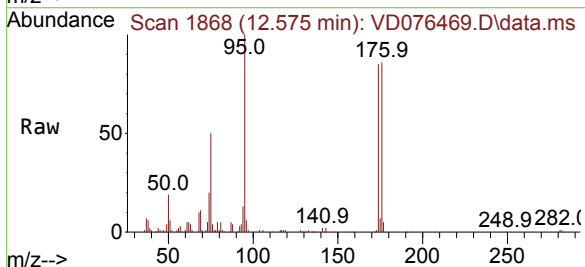
Instrument :
 MSVOA_D
 ClientSampleId :
 WS-SOIL2-0615

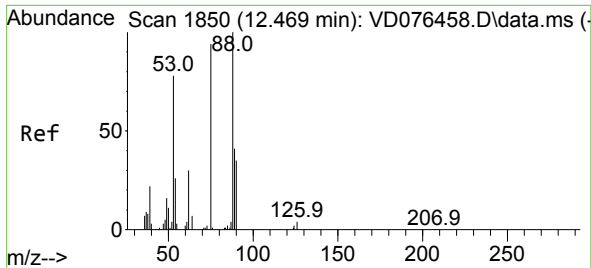
Tgt Ion:152 Resp: 147028
 Ion Ratio Lower Upper
 152 100
 115 56.5 27.1 81.3
 150 157.1 0.0 353.6



#76
 1,2,3-Trichloropropane
 Concen: 45.468 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.147 min
 Lab File: VD076469.D
 Acq: 19 Jun 2023 14:41

Tgt Ion: 75 Resp: 66347
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 99.630 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD076469.D
 Acq: 19 Jun 2023 14:41

Instrument :
 MSVOA_D
 ClientSampleId :
 WS-SOIL2-0615

Tgt Ion: 75 Resp: 66347
 Ion Ratio Lower Upper
 75 100
 53 0.0 63.0 94.4#
 89 0.0 37.9 56.9#

