

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061923\
 Data File : VD076478.D
 Acq On : 19 Jun 2023 19:15
 Operator : KP/SY
 Sample : 03289-10
 Misc : 5.09G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-04-12.0-14.0

Quant Time: Jun 20 05:28:34 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)

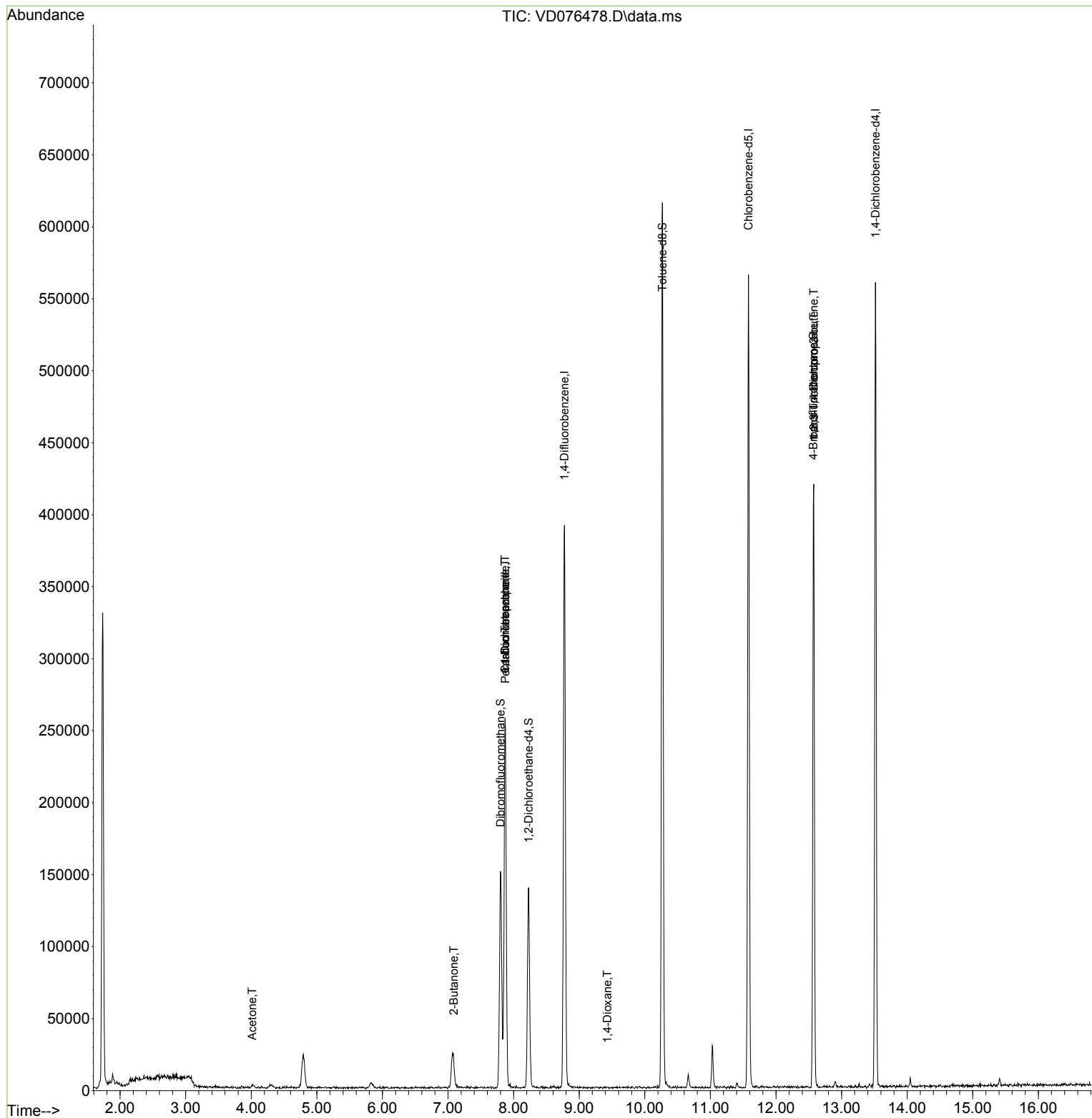
Internal Standards						
1) Pentafluorobenzene	7.875	168	202828	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	350226	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	317220	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	148296	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	102872	50.622	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 101.240%		
35) Dibromofluoromethane	7.799	113	106864	51.363	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 102.720%		
50) Toluene-d8	10.269	98	418982	53.099	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 106.200%		
62) 4-Bromofluorobenzene	12.569	95	125351	48.950	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 97.900%		
Target Compounds						
					Qvalue	
16) Acetone	4.017	43	2383	4.928	ug/l #	71
20) Methylene Chloride	4.793	84	16544	Below Cal	#	66
25) 2-Butanone	7.087	43	2364	3.161	ug/l #	37
28) Bromochloromethane	7.428	49	56	Below Cal	#	1
36) 1,1-Dichloropropene	7.869	75	15388	5.281	ug/l #	44
38) Carbon Tetrachloride	7.869	117	19317	7.418	ug/l #	14
49) 1,4-Dioxane	9.428	88	57	3.686	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	67761	46.040	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	67761	100.883	ug/l #	17

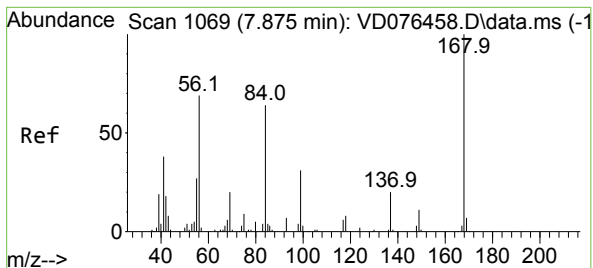
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Jun 19 04:51:45 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD076478.D

Acq: 19 Jun 2023 19:15

Instrument :

MSVOA_D

ClientSampleId :

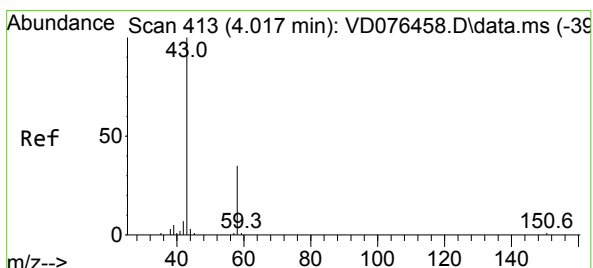
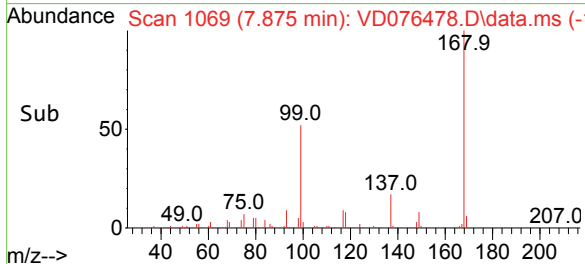
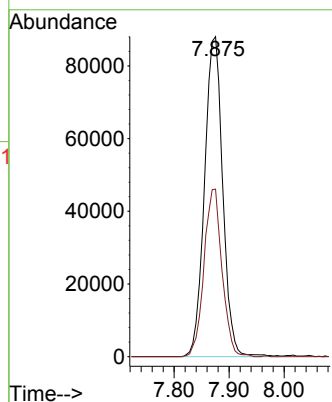
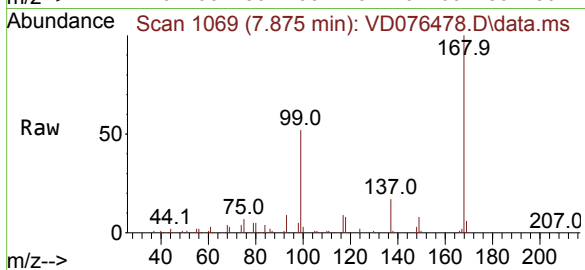
SB-04-12.0-14.0

Tgt Ion:168 Resp: 202828

Ion Ratio Lower Upper

168 100

99 52.4 36.7 55.1



#16

Acetone

Concen: 4.928 ug/l

RT: 4.017 min Scan# 413

Delta R.T. 0.000 min

Lab File: VD076478.D

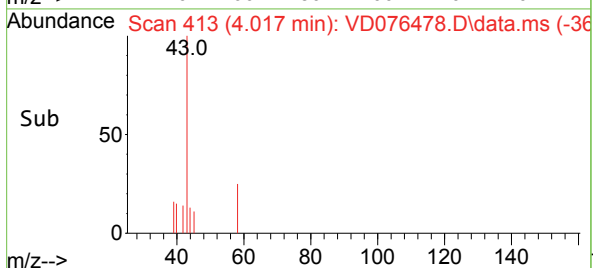
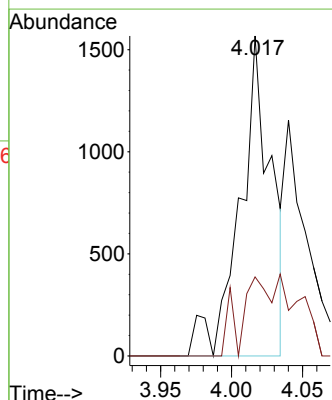
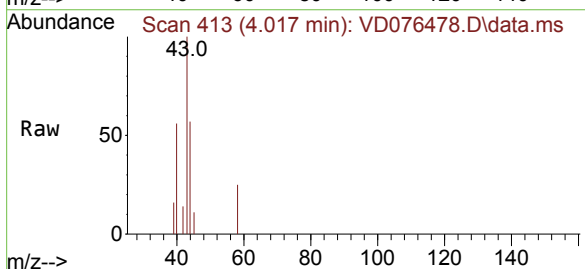
Acq: 19 Jun 2023 19:15

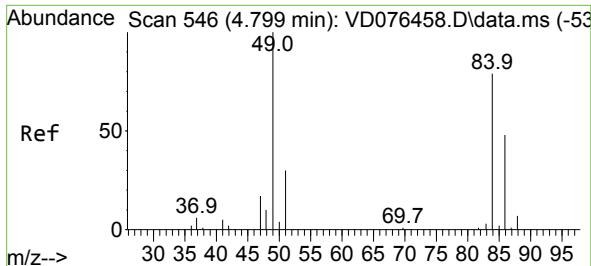
Tgt Ion: 43 Resp: 2383

Ion Ratio Lower Upper

43 100

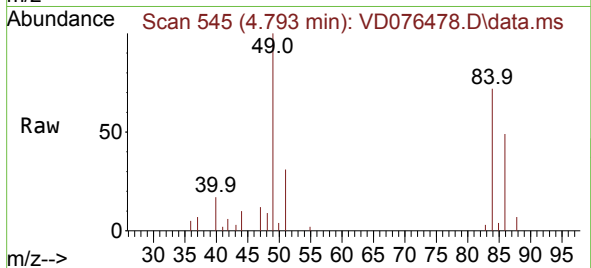
58 24.7 34.7 52.1#



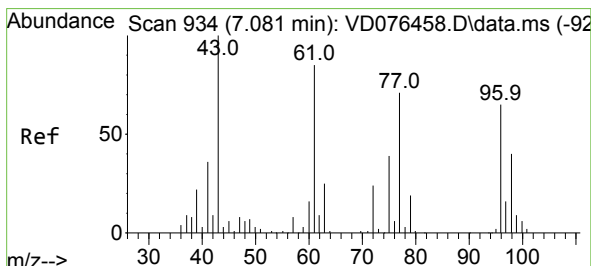
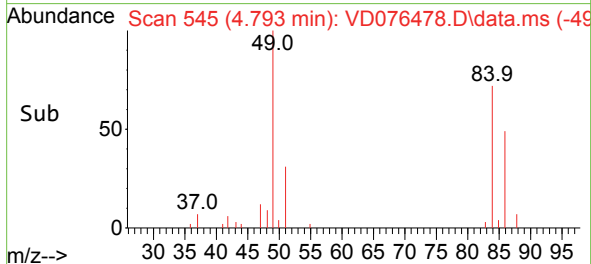
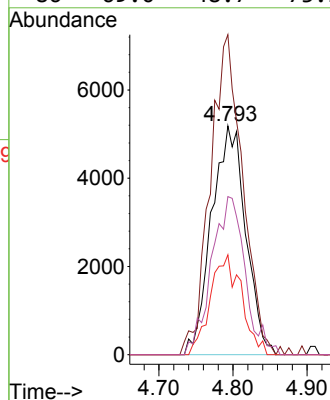


#20
Methylene Chloride
Concen: Below Cal
RT: 4.793 min Scan# 546
Delta R.T. -0.006 min
Lab File: VD076478.D
Acq: 19 Jun 2023 19:15

Instrument :
MSVOA_D
ClientSampleId :
SB-04-12.0-14.0

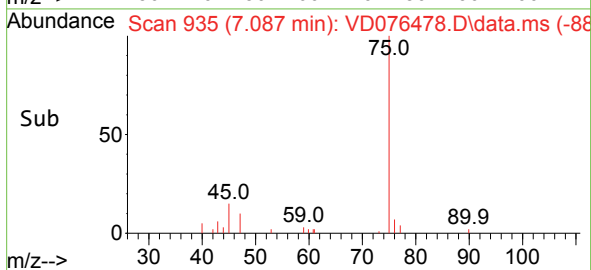
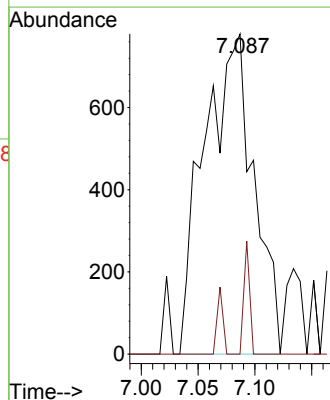
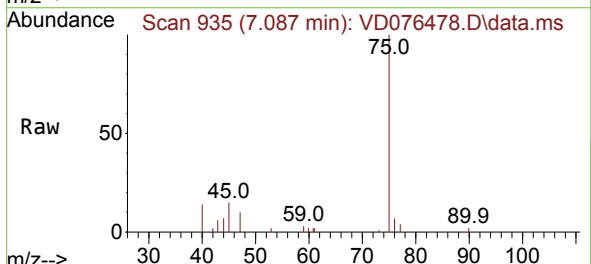


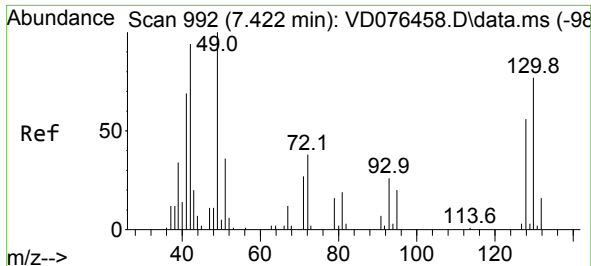
Tgt Ion:	84	Resp:	16544
Ion	Ratio	Lower	Upper
84	100		
49	139.8	71.4	107.2#
51	43.6	24.5	36.7#
86	69.0	48.7	73.1



#25
2-Butanone
Concen: 3.161 ug/l
RT: 7.087 min Scan# 935
Delta R.T. 0.006 min
Lab File: VD076478.D
Acq: 19 Jun 2023 19:15

Tgt Ion:	43	Resp:	2364
Ion	Ratio	Lower	Upper
43	100		
72	0.0	30.7	46.1#

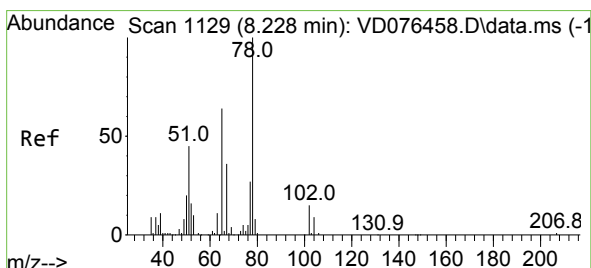
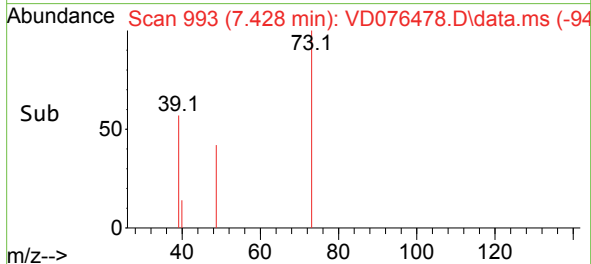
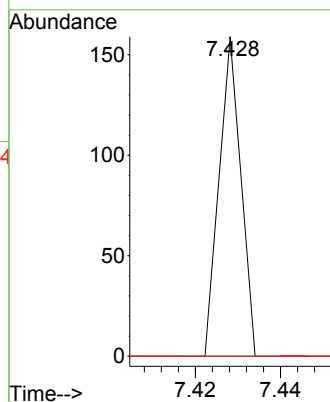
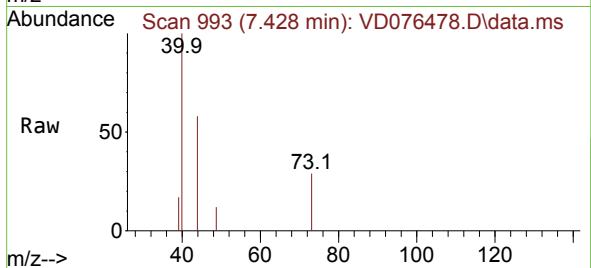




#28
Bromochloromethane
Concen: Below Cal
RT: 7.428 min Scan# 992
Delta R.T. 0.006 min
Lab File: VD076478.D
Acq: 19 Jun 2023 19:15

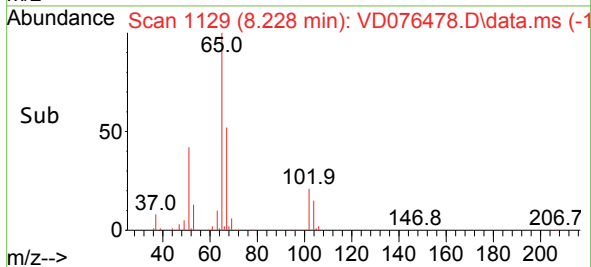
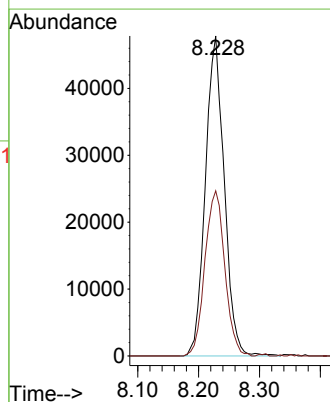
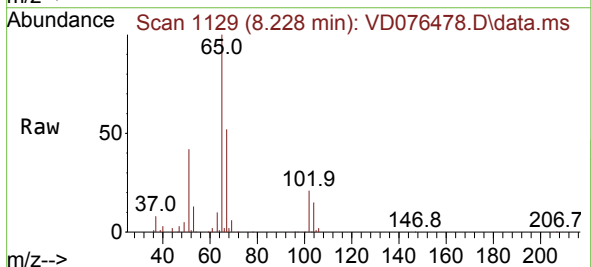
Instrument :
MSVOA_D
ClientSampleId :
SB-04-12.0-14.0

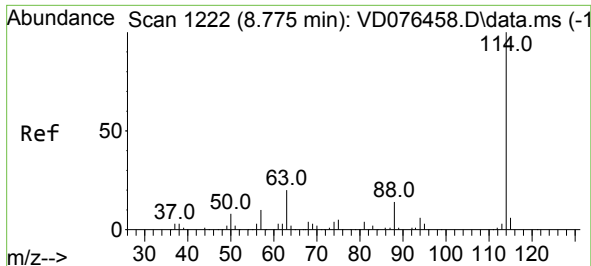
Tgt Ion: 49 Resp: 56
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.0
130 0.0 83.2 124.8#



#33
1,2-Dichloroethane-d4
Concen: 50.622 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD076478.D
Acq: 19 Jun 2023 19:15

Tgt Ion: 65 Resp: 102872
Ion Ratio Lower Upper
65 100
67 54.4 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD076478.D

Acq: 19 Jun 2023 19:15

Instrument :

MSVOA_D

ClientSampleId :

SB-04-12.0-14.0

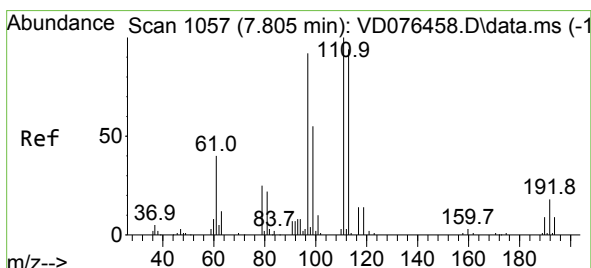
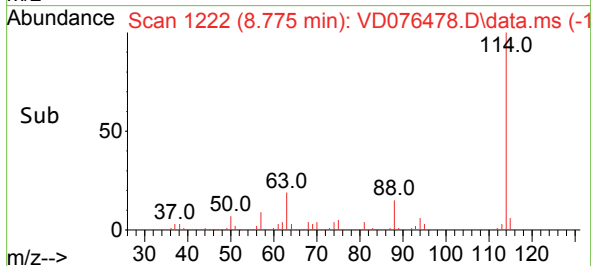
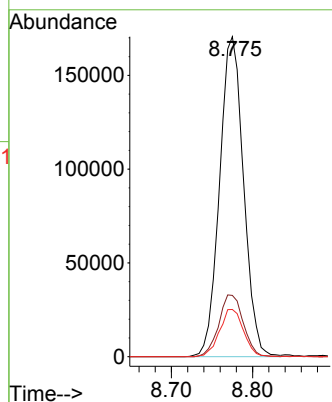
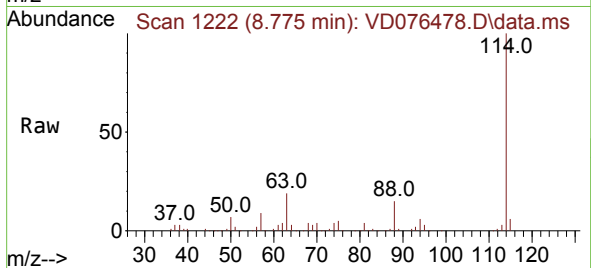
Tgt Ion:114 Resp: 350226

Ion Ratio Lower Upper

114 100

63 19.1 0.0 33.4

88 14.8 0.0 26.2



#35

Dibromofluoromethane

Concen: 51.363 ug/l

RT: 7.799 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VD076478.D

Acq: 19 Jun 2023 19:15

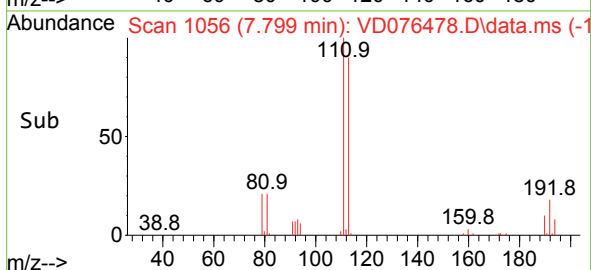
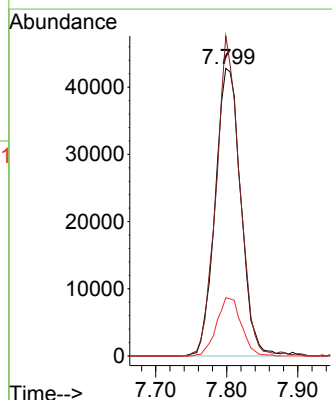
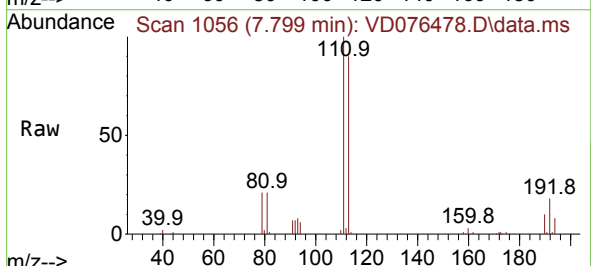
Tgt Ion:113 Resp: 106864

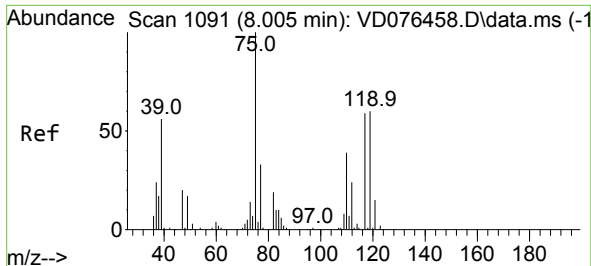
Ion Ratio Lower Upper

113 100

111 101.8 84.7 127.1

192 19.6 16.8 25.2

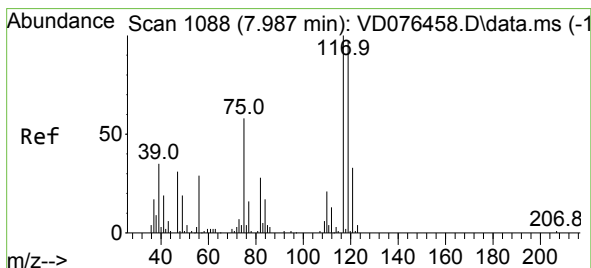
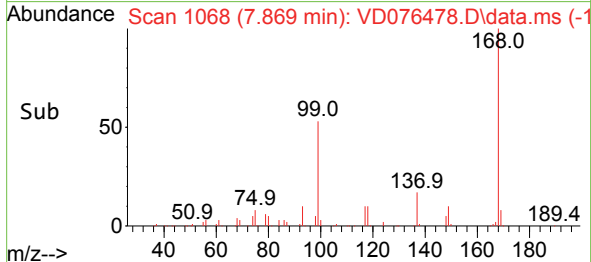
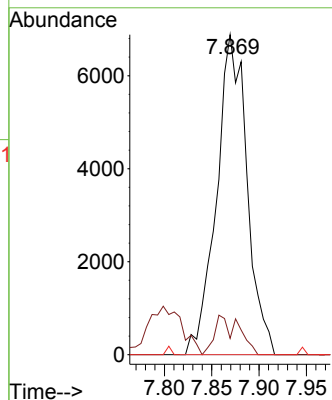
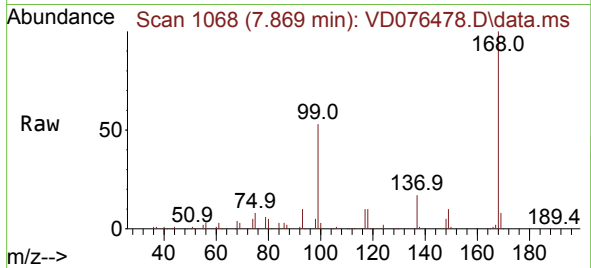




#36
1,1-Dichloropropene
Concen: 5.281 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.135 min
Lab File: VD076478.D
Acq: 19 Jun 2023 19:15

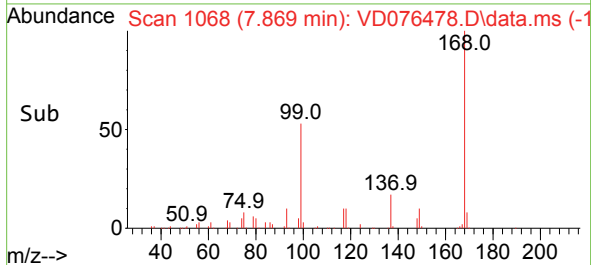
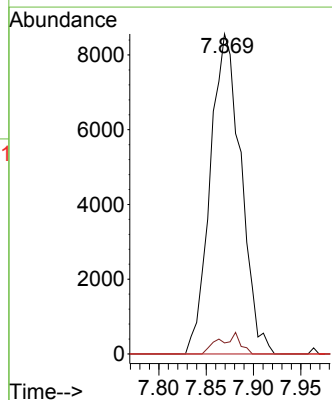
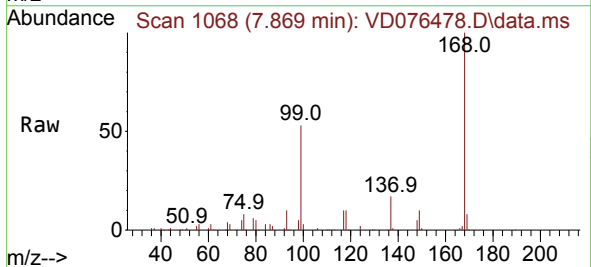
Instrument :
MSVOA_D
ClientSampleId :
SB-04-12.0-14.0

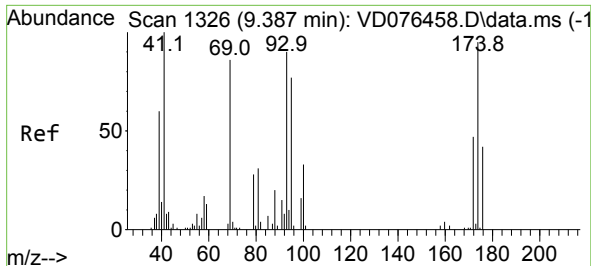
Tgt Ion: 75 Resp: 15388
Ion Ratio Lower Upper
75 100
110 5.6 19.9 59.6#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 7.418 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.118 min
Lab File: VD076478.D
Acq: 19 Jun 2023 19:15

Tgt Ion: 117 Resp: 19317
Ion Ratio Lower Upper
117 100
119 3.5 78.0 117.0#
121 0.0 24.2 36.2#





#49

1,4-Dioxane

Concen: 3.686 ug/l

RT: 9.428 min Scan# 1333

Delta R.T. 0.041 min

Lab File: VD076478.D

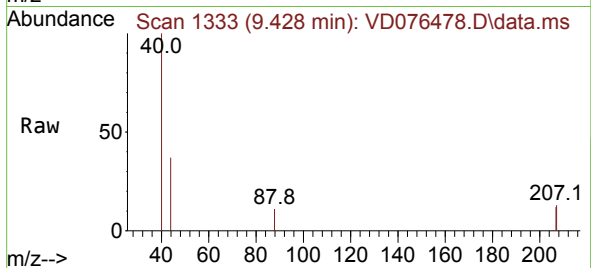
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Instrument :

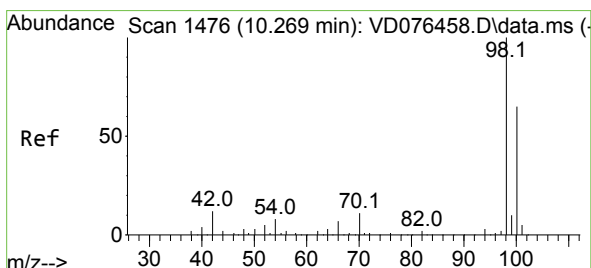
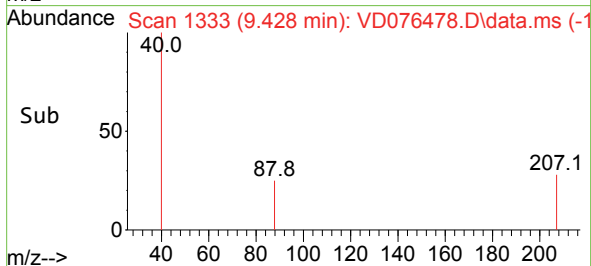
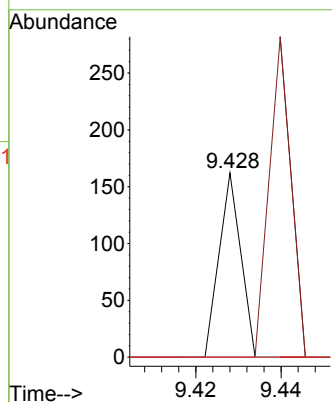
MSVOA_D

ClientSampleId :

SB-04-12.0-14.0



Tgt Ion:	88	Resp:	57
Ion	Ratio	Lower	Upper
88	100		
43	175.4	19.0	28.6#
58	0.0	43.5	65.3#



#50

Toluene-d8

Concen: 53.099 ug/l

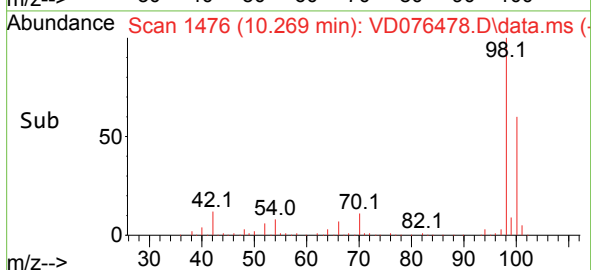
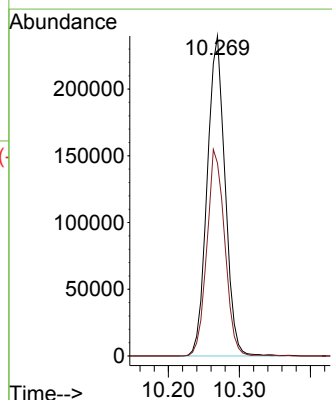
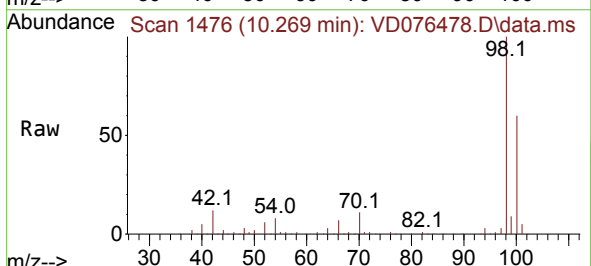
RT: 10.269 min Scan# 1476

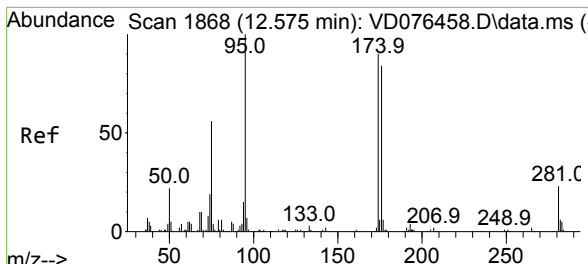
Delta R.T. 0.000 min

Lab File: VD076478.D

Acq: 19 Jun 2023 19:15

Tgt Ion:	98	Resp:	418982
Ion	Ratio	Lower	Upper
98	100		
100	64.4	50.3	75.5

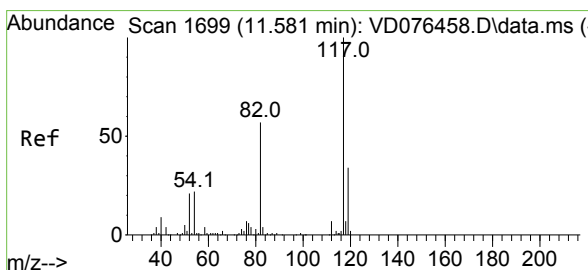
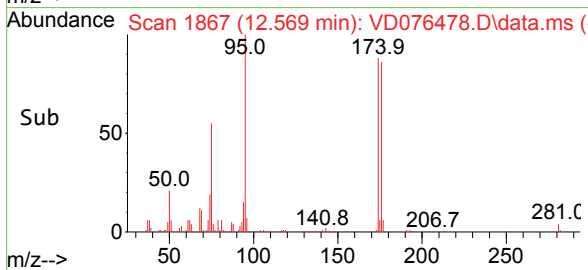
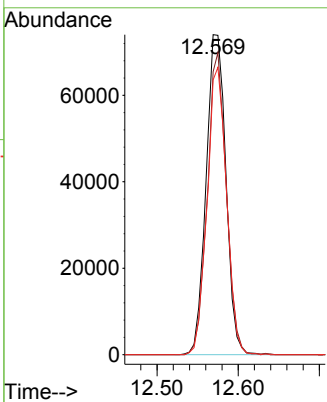
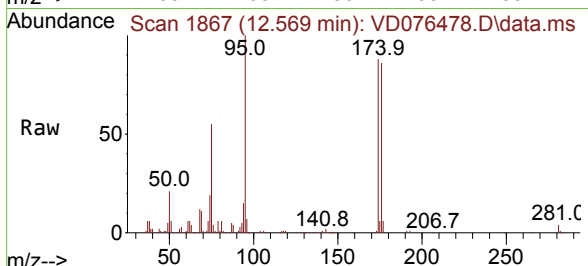




#62
 4-Bromofluorobenzene
 Concen: 48.950 ug/l
 RT: 12.569 min Scan# 1867
 Delta R.T. -0.006 min
 Lab File: VD076478.D
 Acq: 19 Jun 2023 19:15

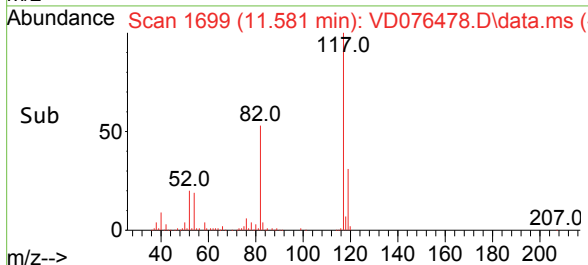
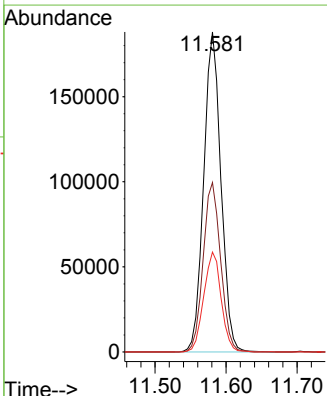
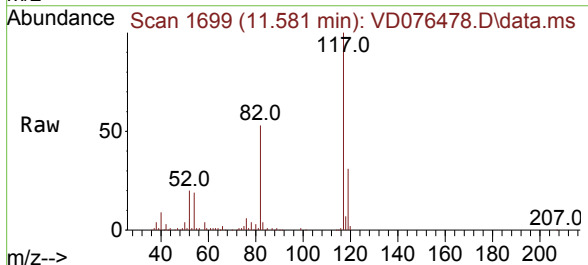
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-04-12.0-14.0

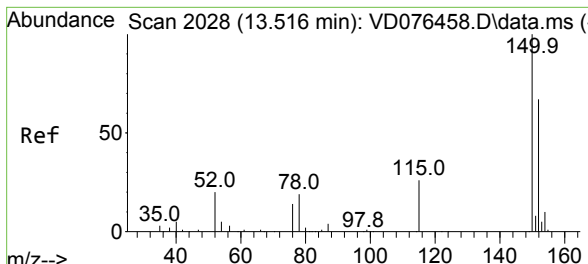
Tgt Ion:	95	Resp:	125351
Ion	Ratio	Lower	Upper
95	100		
174	90.4	0.0	201.8
176	88.3	0.0	191.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.581 min Scan# 1699
 Delta R.T. 0.000 min
 Lab File: VD076478.D
 Acq: 19 Jun 2023 19:15

Tgt Ion:	117	Resp:	317220
Ion	Ratio	Lower	Upper
117	100		
82	52.9	38.3	57.5
119	31.2	25.0	37.4

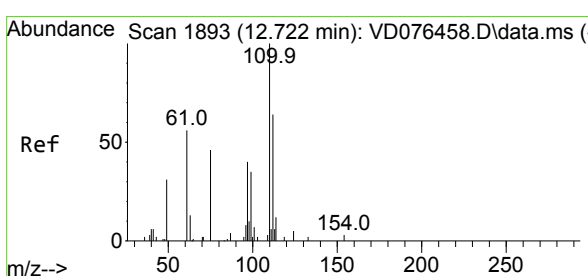
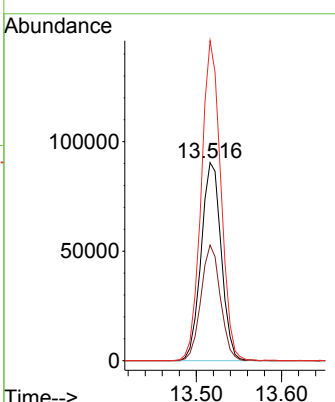
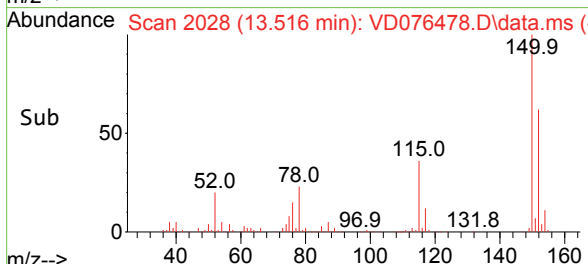
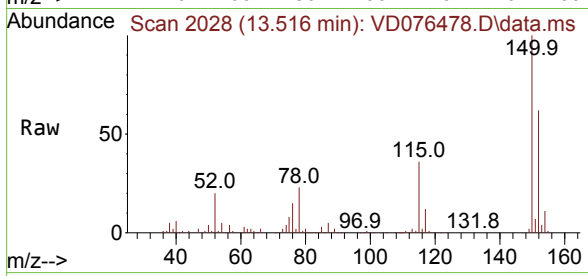




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VD076478.D
 Acq: 19 Jun 2023 19:15

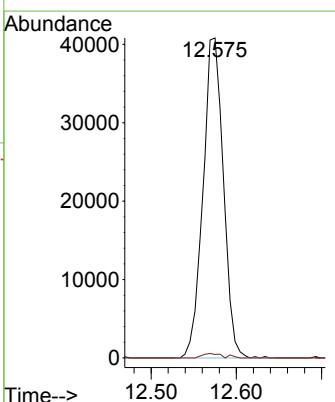
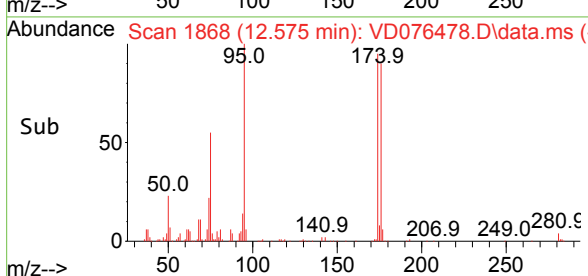
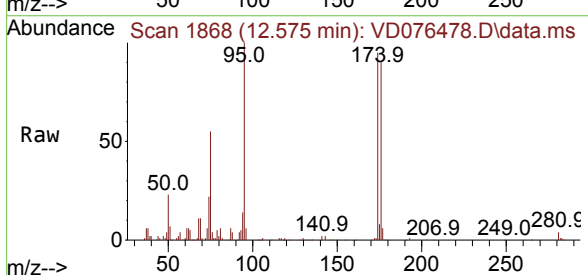
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-04-12.0-14.0

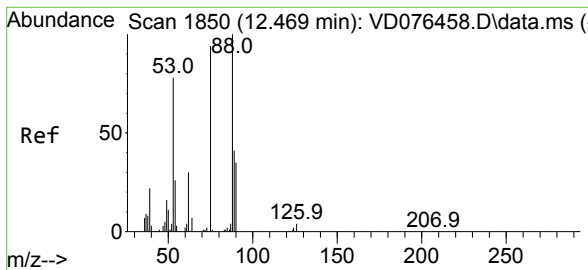
Tgt Ion:	152	Resp:	148296
Ion Ratio	Lower	Upper	
152	100		
115	56.7	27.1	81.3
150	157.3	0.0	353.6



#76
 1,2,3-Trichloropropane
 Concen: 46.040 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.147 min
 Lab File: VD076478.D
 Acq: 19 Jun 2023 19:15

Tgt Ion:	75	Resp:	67761
Ion Ratio	Lower	Upper	
75	100		
77	1.4	0.0	0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 100.883 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD076478.D
 Acq: 19 Jun 2023 19:15

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-04-12.0-14.0

Tgt Ion:	75	Resp:	67761
Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.0	94.4#
89	0.1	37.9	56.9#

