

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062123\
 Data File : VD076522.D
 Acq On : 21 Jun 2023 19:52
 Operator : KP/SY
 Sample : 03355-07
 Misc : 5.08G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-04-6.5-7.0

Quant Time: Jun 22 02:03:06 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)

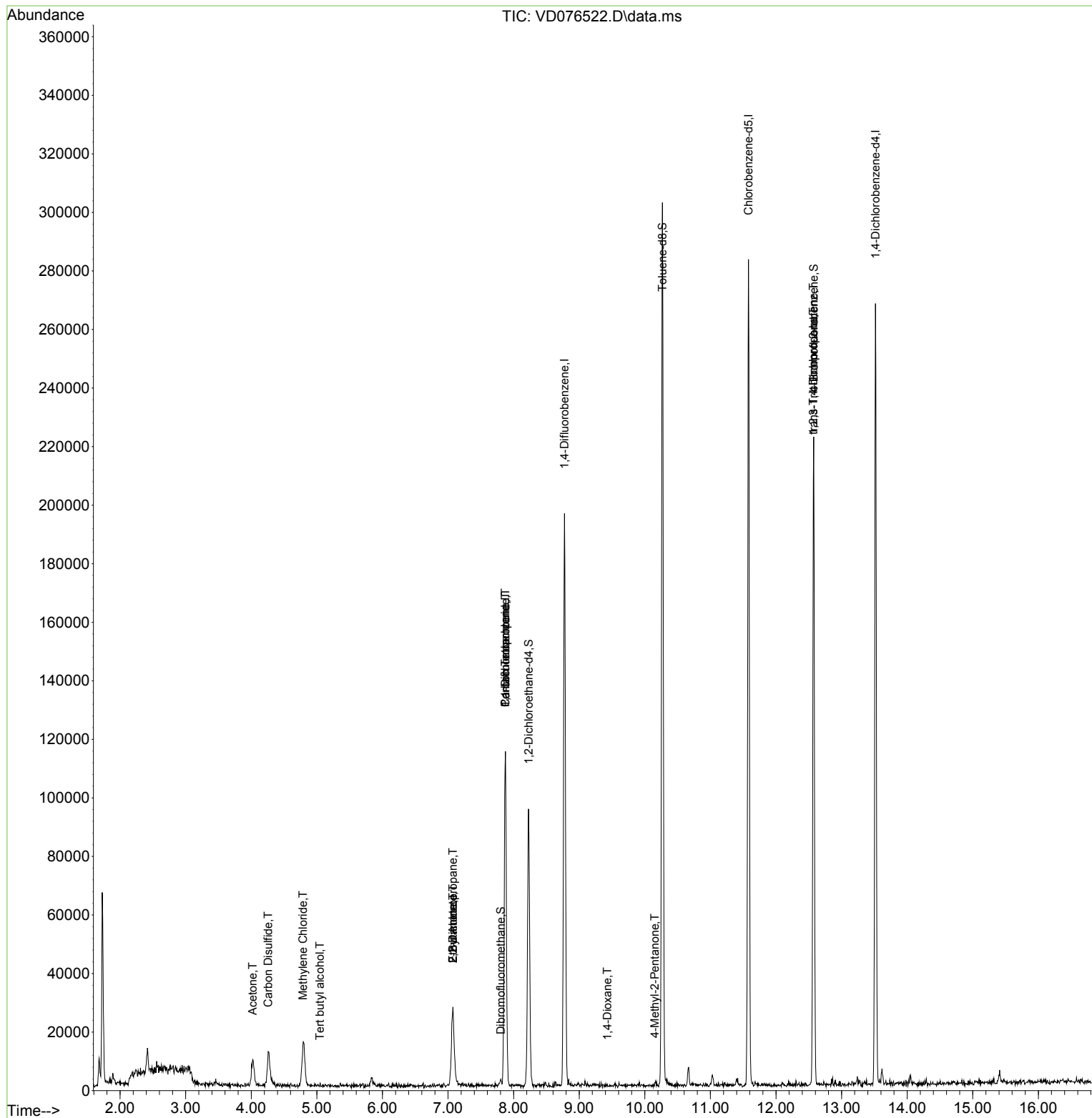
Internal Standards						
1) Pentafluorobenzene	7.875	168	87653	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	166825	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	157981	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	70472	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	70079	79.798	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	159.600%
35) Dibromofluoromethane	7.805	113	1713	1.728	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	3.460%#
50) Toluene-d8	10.269	98	208207	55.396	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	110.800%
62) 4-Bromofluorobenzene	12.575	95	64930	53.230	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	106.460%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.046	59	246	3.244	ug/l #	73
16) Acetone	4.022	43	16255	77.783	ug/l #	84
17) Carbon Disulfide	4.258	76	21937	10.010	ug/l #	87
20) Methylene Chloride	4.787	84	11031	1.953	ug/l #	74
25) 2-Butanone	7.075	43	5764	17.833	ug/l	99
26) 2,2-Dichloropropane	7.075	77	1903	1.246	ug/l #	49
28) Bromochloromethane	7.422	49	56	Below Cal	#	1
36) 1,1-Dichloropropene	7.875	75	7256	5.228	ug/l #	48
37) Ethyl Acetate	7.075	43	5764	7.167	ug/l #	80
38) Carbon Tetrachloride	7.875	117	9352	7.539	ug/l #	18
49) 1,4-Dioxane	9.428	88	77	10.455	ug/l #	33
51) 4-Methyl-2-Pentanone	10.152	43	965	1.240	ug/l #	57
76) 1,2,3-Trichloropropane	12.569	75	33790	48.312	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	33790	105.862	ug/l #	17

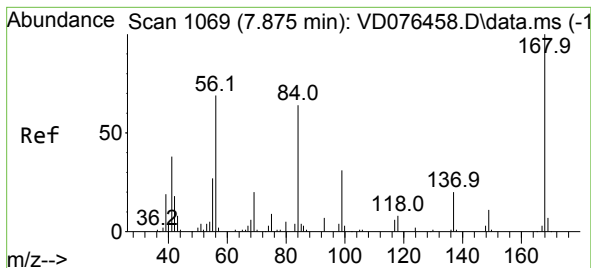
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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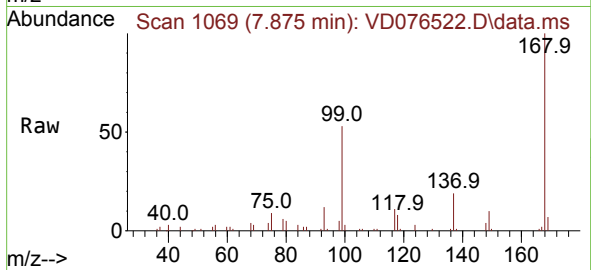
Quant Time: Jun 22 02:03:06 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061623S.M
Quant Title : SW846 8260
QLast Update : Mon Jun 19 04:51:45 2023
Response via : Initial Calibration



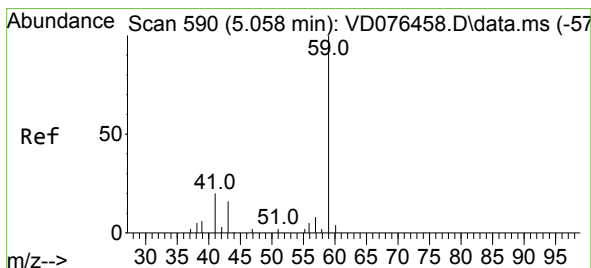
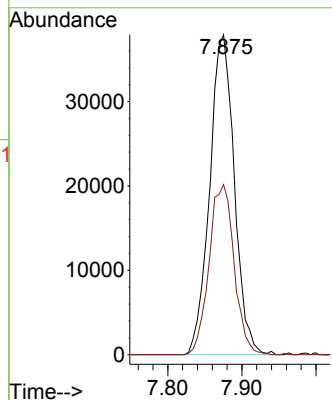
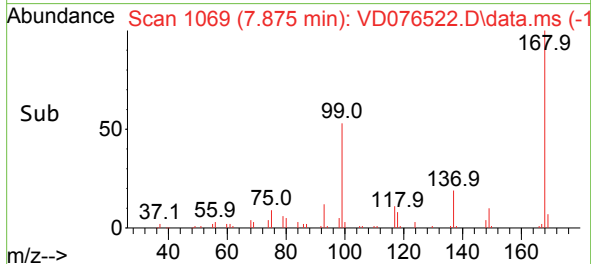


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076522.D
Acq: 21 Jun 2023 19:52

Instrument :
MSVOA_D
ClientSampleId :
SB-04-6.5-7.0

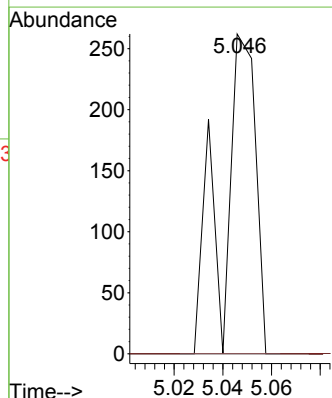
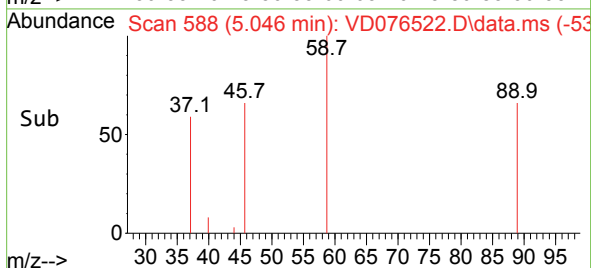
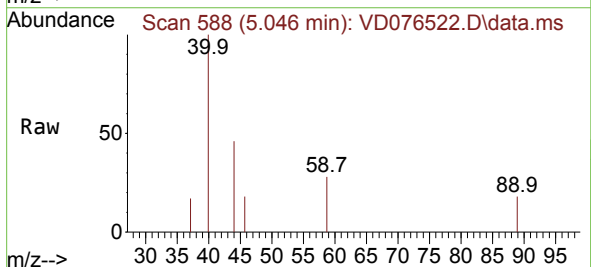


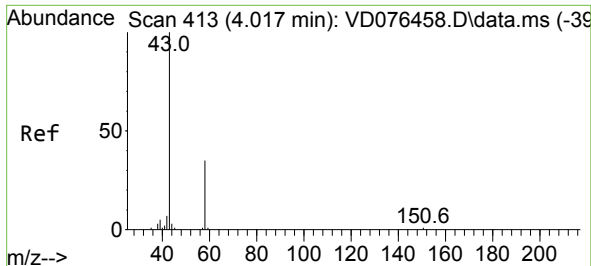
Tgt Ion:168 Resp: 87653
Ion Ratio Lower Upper
168 100
99 53.2 36.7 55.1



#11
Tert butyl alcohol
Concen: 3.244 ug/l
RT: 5.046 min Scan# 588
Delta R.T. -0.012 min
Lab File: VD076522.D
Acq: 21 Jun 2023 19:52

Tgt Ion: 59 Resp: 246
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

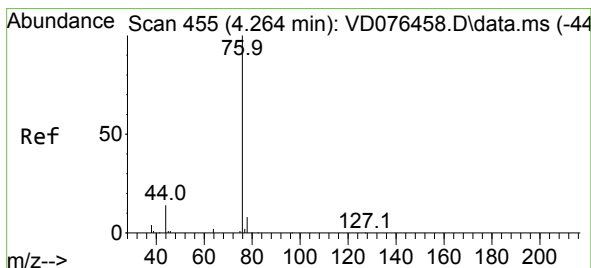
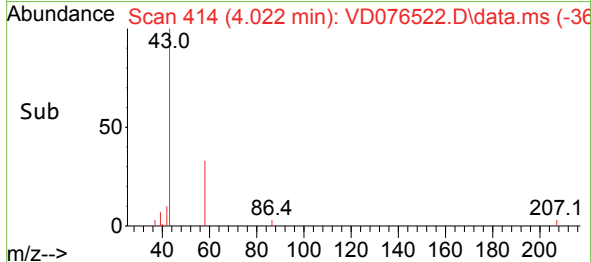
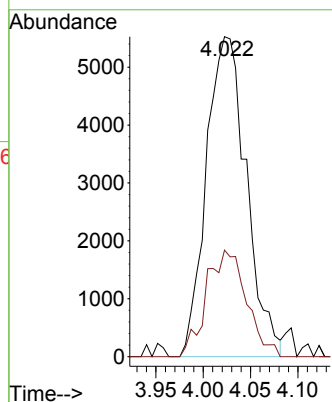
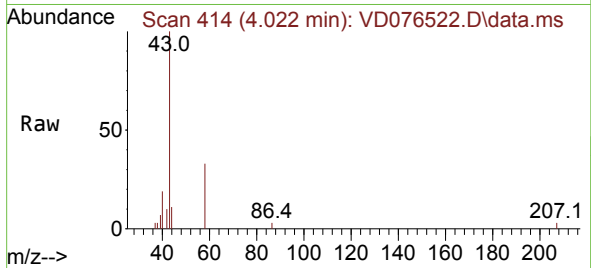




#16
Acetone
Concen: 77.783 ug/l
RT: 4.022 min Scan# 413
Delta R.T. 0.006 min
Lab File: VD076522.D
Acq: 21 Jun 2023 19:52

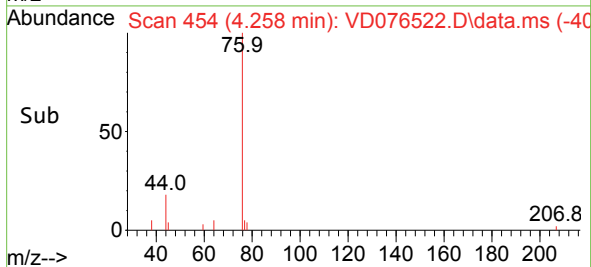
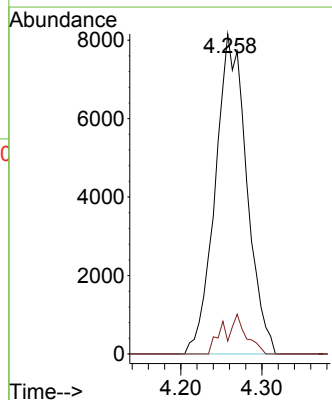
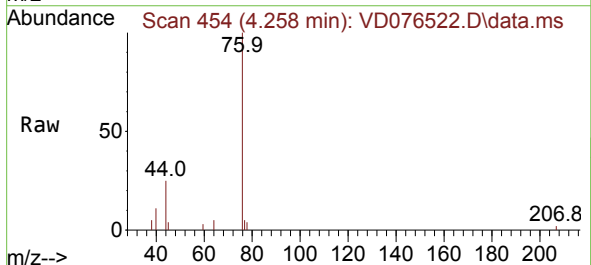
Instrument :
MSVOA_D
ClientSampleId :
SB-04-6.5-7.0

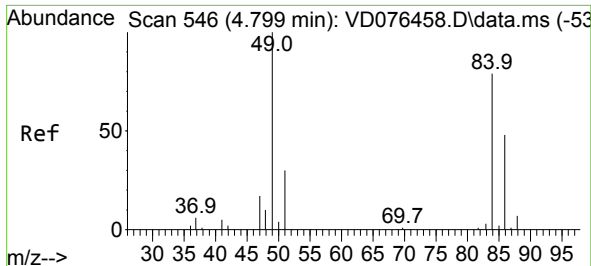
Tgt Ion: 43 Resp: 16255
Ion Ratio Lower Upper
43 100
58 33.3 34.7 52.1#



#17
Carbon Disulfide
Concen: 10.010 ug/l
RT: 4.258 min Scan# 454
Delta R.T. -0.006 min
Lab File: VD076522.D
Acq: 21 Jun 2023 19:52

Tgt Ion: 76 Resp: 21937
Ion Ratio Lower Upper
76 100
78 4.0 6.8 10.2#

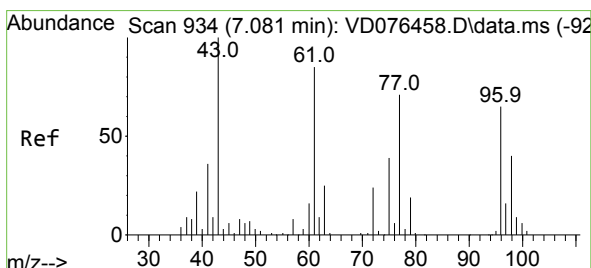
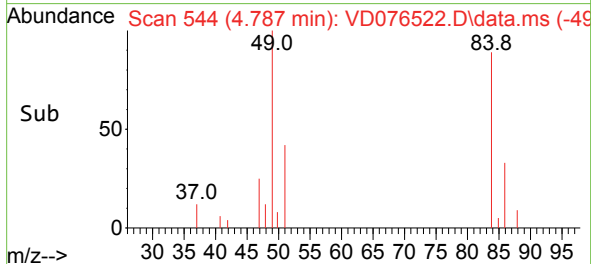
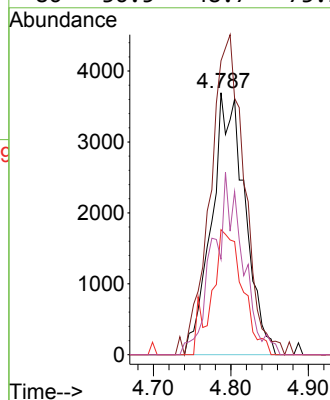
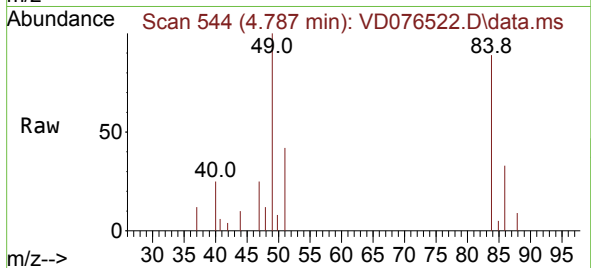




#20
Methylene Chloride
Concen: 1.953 ug/l
RT: 4.787 min Scan# 544
Delta R.T. -0.012 min
Lab File: VD076522.D
Acq: 21 Jun 2023 19:52

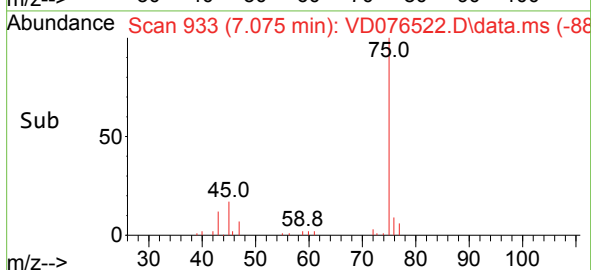
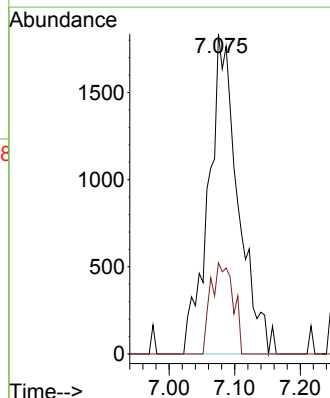
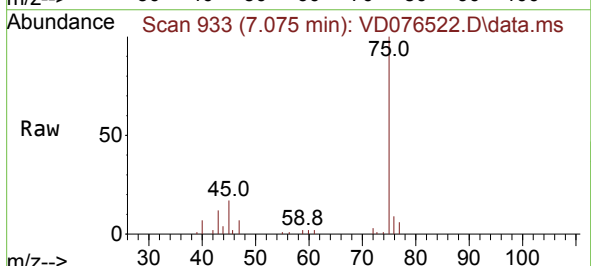
Instrument :
MSVOA_D
ClientSampleId :
SB-04-6.5-7.0

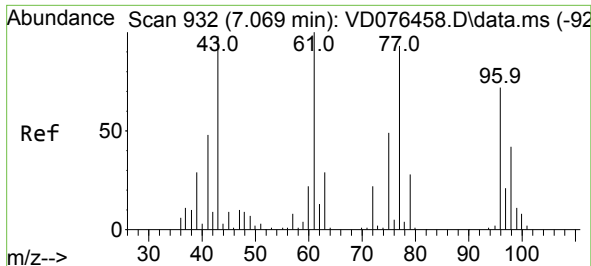
Tgt Ion:	84	Resp:	11031
Ion	Ratio	Lower	Upper
84	100		
49	107.7	71.4	107.2#
51	47.7	24.5	36.7#
86	36.5	48.7	73.1#



#25
2-Butanone
Concen: 17.833 ug/l
RT: 7.075 min Scan# 933
Delta R.T. -0.006 min
Lab File: VD076522.D
Acq: 21 Jun 2023 19:52

Tgt Ion:	43	Resp:	5764
Ion	Ratio	Lower	Upper
43	100		
72	37.9	30.7	46.1

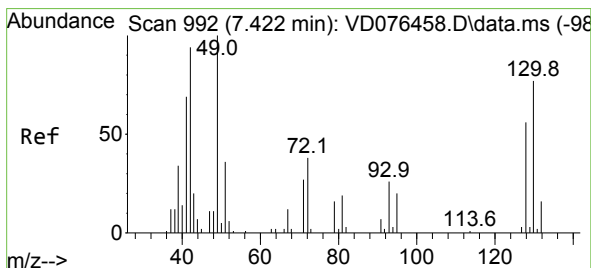
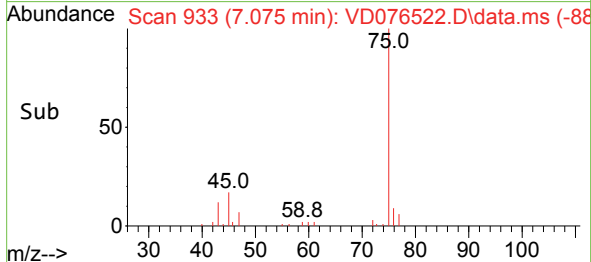
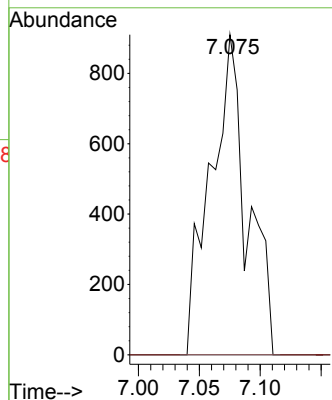
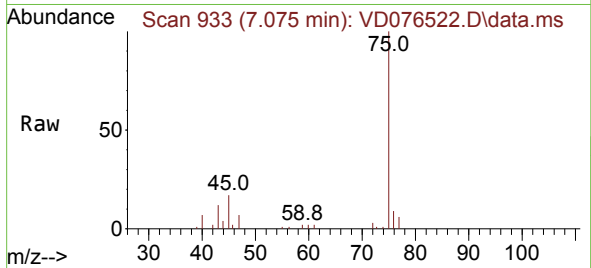




#26
2,2-Dichloropropane
Concen: 1.246 ug/l
RT: 7.075 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD076522.D
Acq: 21 Jun 2023 19:52

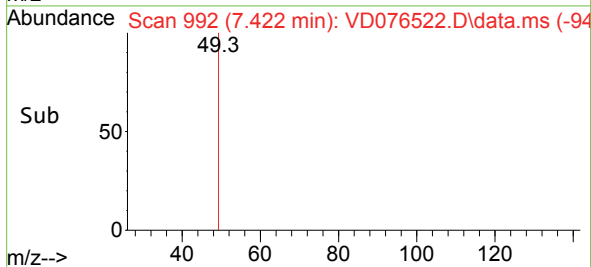
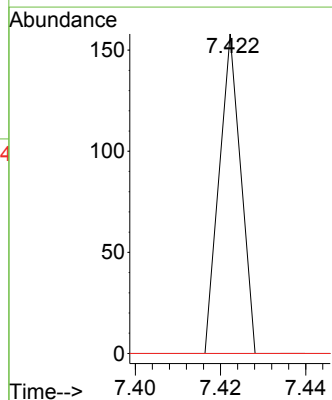
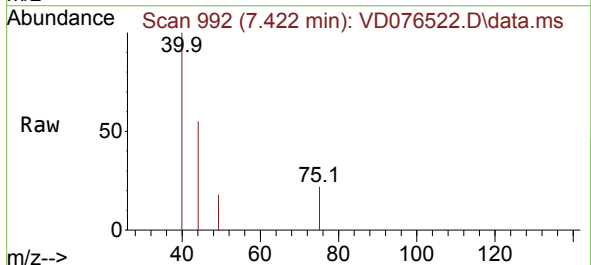
Instrument :
MSVOA_D
ClientSampleId :
SB-04-6.5-7.0

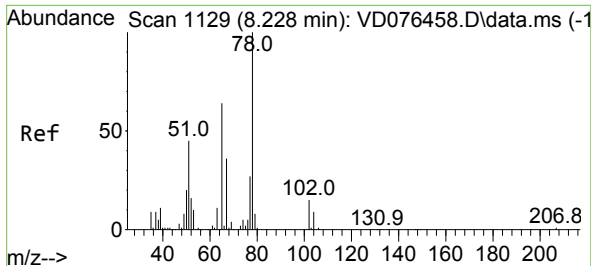
Tgt Ion: 77 Resp: 1903
Ion Ratio Lower Upper
77 100
97 0.0 13.2 39.6#



#28
Bromochloromethane
Concen: Below Cal
RT: 7.422 min Scan# 992
Delta R.T. 0.000 min
Lab File: VD076522.D
Acq: 21 Jun 2023 19:52

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: 79.798 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD076522.D

Acq: 21 Jun 2023 19:52

Instrument :

MSVOA_D

ClientSampleId :

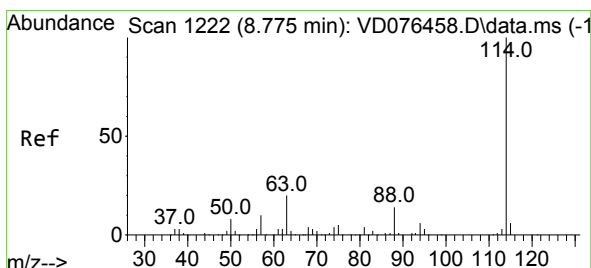
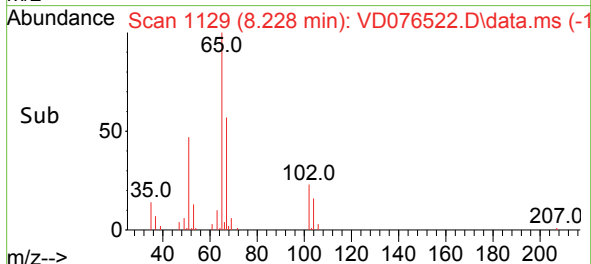
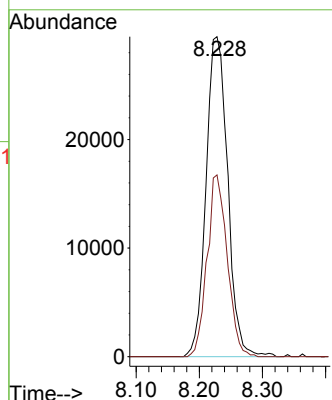
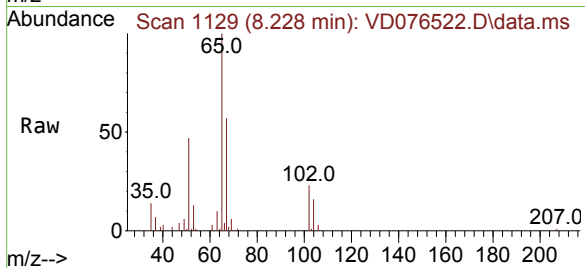
SB-04-6.5-7.0

Tgt Ion: 65 Resp: 70079

Ion Ratio Lower Upper

65 100

67 52.9 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: VD076522.D

Acq: 21 Jun 2023 19:52

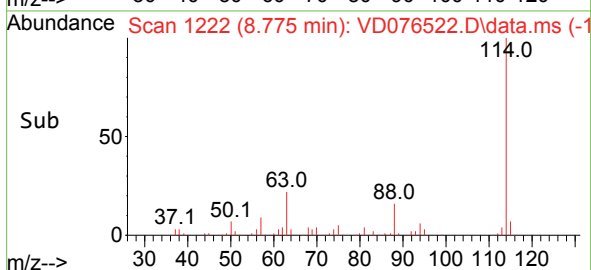
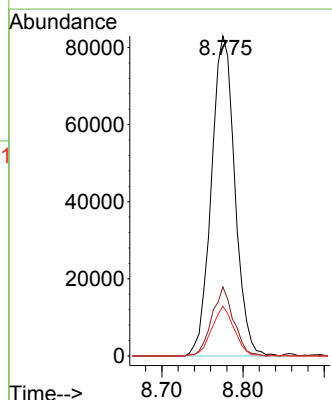
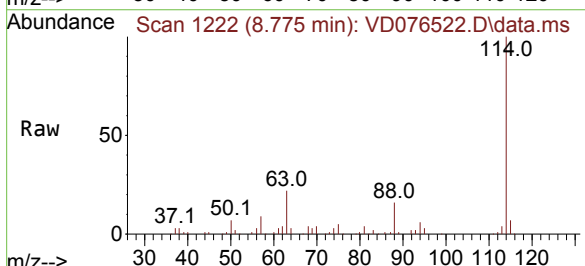
Tgt Ion: 114 Resp: 166825

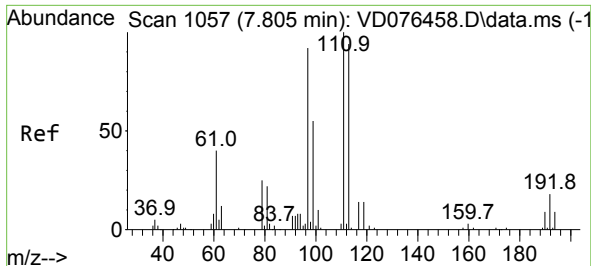
Ion Ratio Lower Upper

114 100

63 21.6 0.0 33.4

88 15.5 0.0 26.2

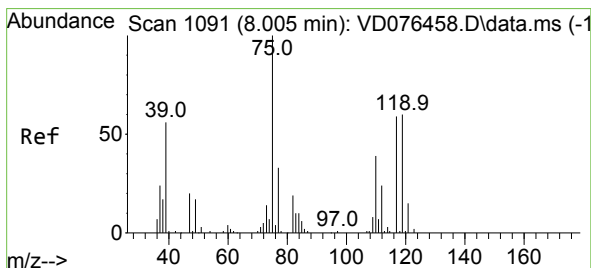
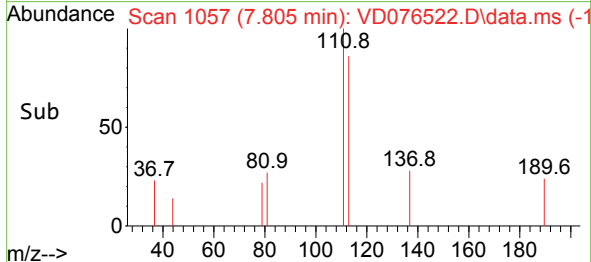
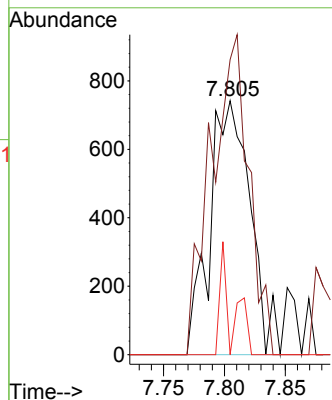
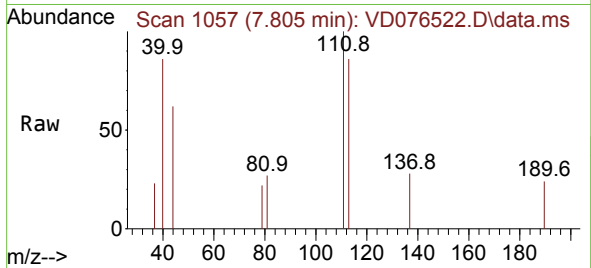




#35
Dibromofluoromethane
Concen: 1.728 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD076522.D
Acq: 21 Jun 2023 19:52

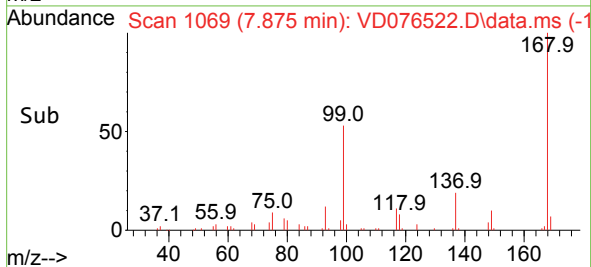
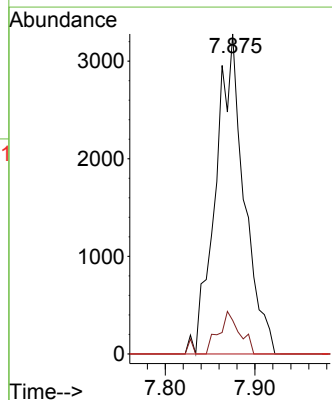
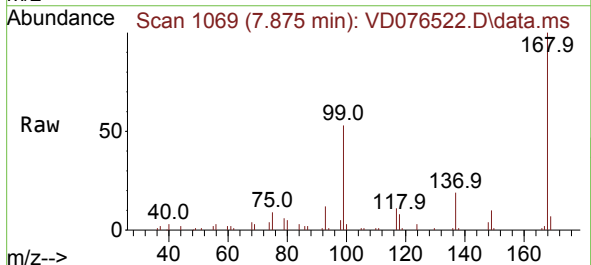
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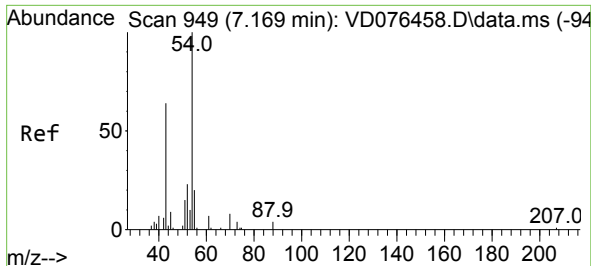
Tgt Ion:113 Resp: 1713
Ion Ratio Lower Upper
113 100
111 117.9 84.7 127.1
192 13.3 16.8 25.2#



#36
1,1-Dichloropropene
Concen: 5.228 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.129 min
Lab File: VD076522.D
Acq: 21 Jun 2023 19:52

Tgt Ion: 75 Resp: 7256
Ion Ratio Lower Upper
75 100
110 9.7 19.9 59.6#
77 0.0 24.7 37.1#

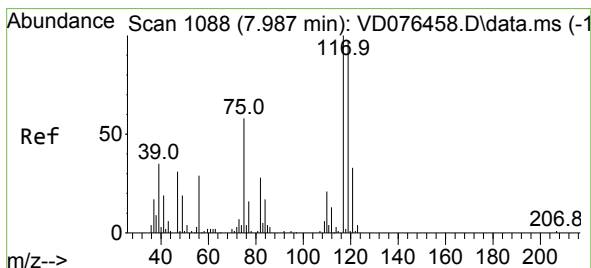
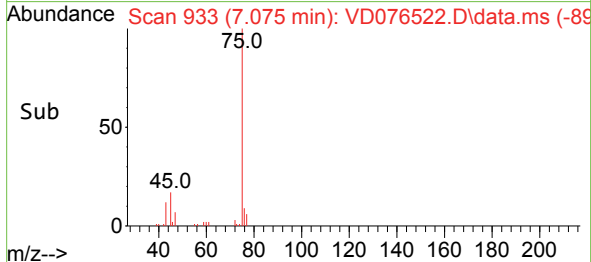
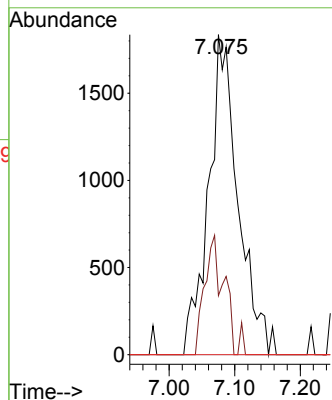
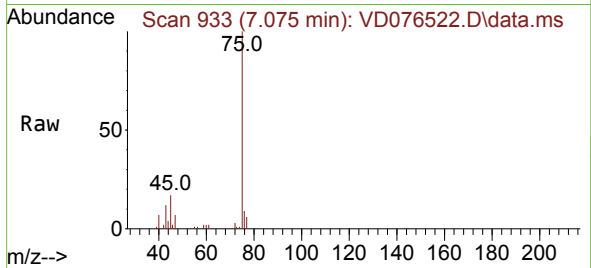




#37
Ethyl Acetate
Concen: 7.167 ug/l
RT: 7.075 min Scan# 91
Delta R.T. -0.094 min
Lab File: VD076522.D
Acq: 21 Jun 2023 19:52

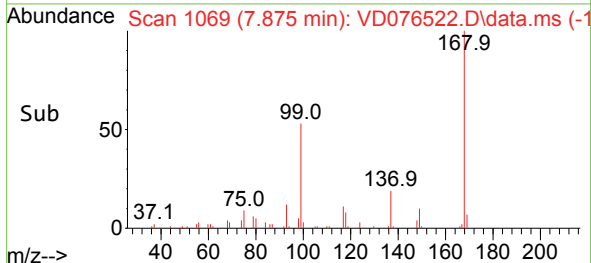
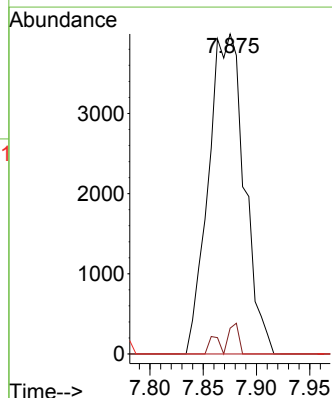
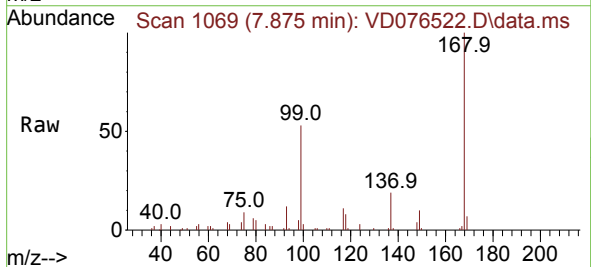
Instrument :
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SB-04-6.5-7.0

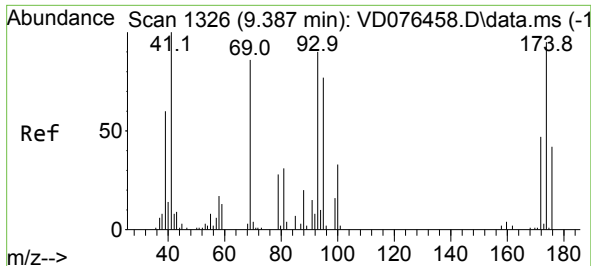
Tgt Ion: 43 Resp: 5764
Ion Ratio Lower Upper
43 100
61 23.8 14.9 22.3#
70 0.0 10.0 15.0#



#38
Carbon Tetrachloride
Concen: 7.539 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.112 min
Lab File: VD076522.D
Acq: 21 Jun 2023 19:52

Tgt Ion: 117 Resp: 9352
Ion Ratio Lower Upper
117 100
119 8.0 78.0 117.0#
121 0.0 24.2 36.2#





#49

1,4-Dioxane

Concen: 10.455 ug/l

RT: 9.428 min Scan# 11

Delta R.T. 0.041 min

Lab File: VD076522.D

Acq: 21 Jun 2023 19:52

Instrument :

MSVOA_D

ClientSampleId :

SB-04-6.5-7.0

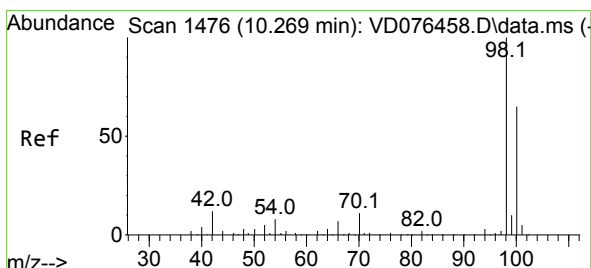
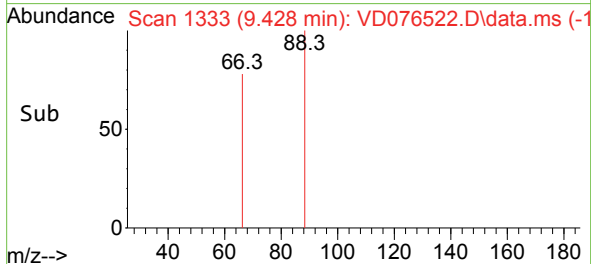
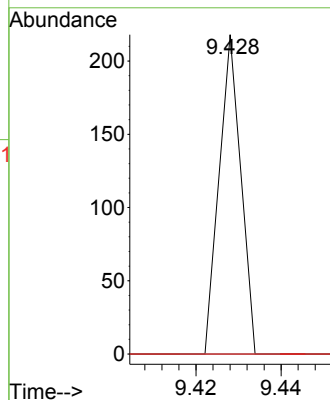
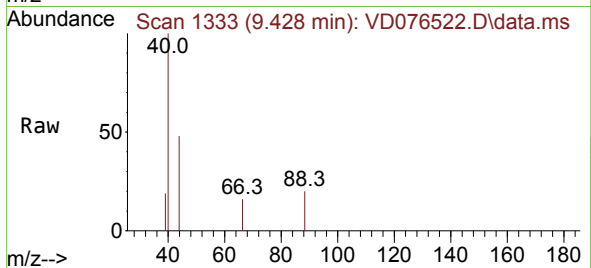
Tgt Ion: 88 Resp: 77

Ion Ratio Lower Upper

88 100

43 0.0 19.0 28.6#

58 0.0 43.5 65.3#



#50

Toluene-d8

Concen: 55.396 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD076522.D

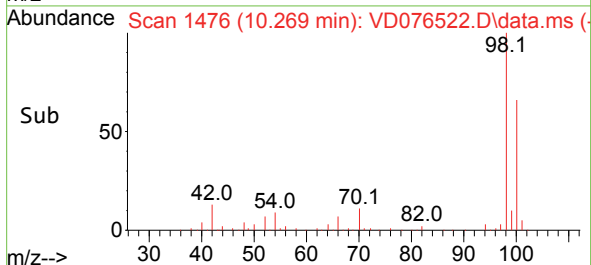
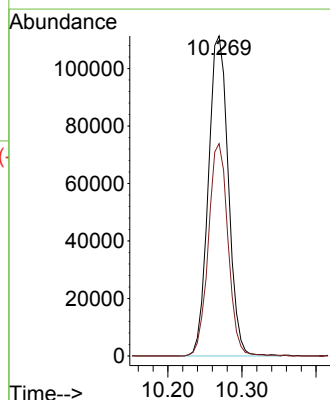
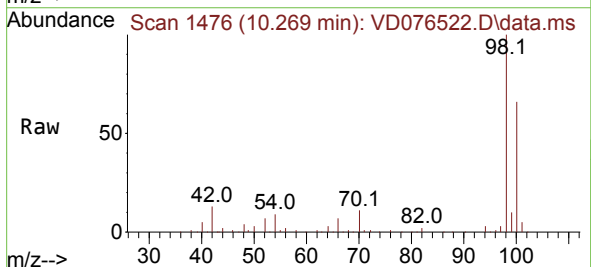
Acq: 21 Jun 2023 19:52

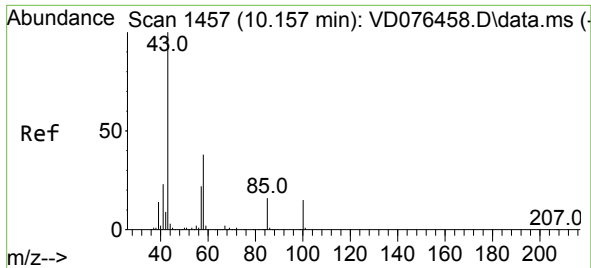
Tgt Ion: 98 Resp: 208207

Ion Ratio Lower Upper

98 100

100 65.3 50.3 75.5

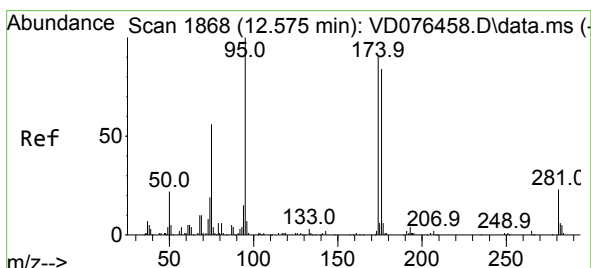
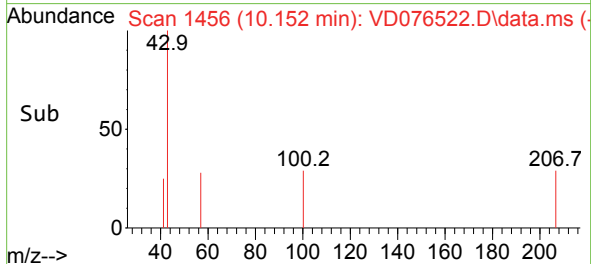
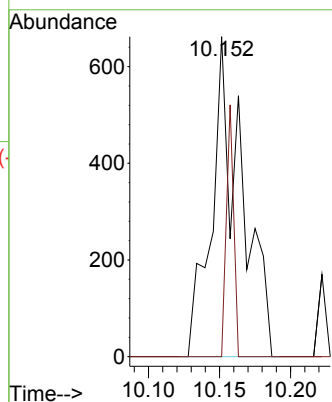
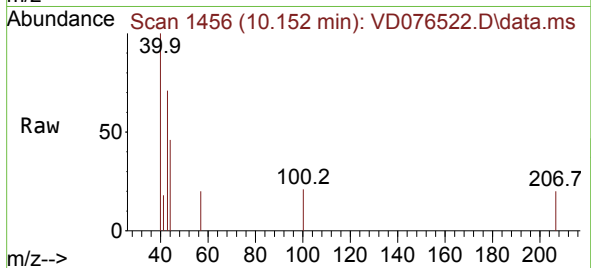




#51
4-Methyl-2-Pentanone
Concen: 1.240 ug/l
RT: 10.152 min Scan# 1456
Delta R.T. -0.006 min
Lab File: VD076522.D
Acq: 21 Jun 2023 19:52

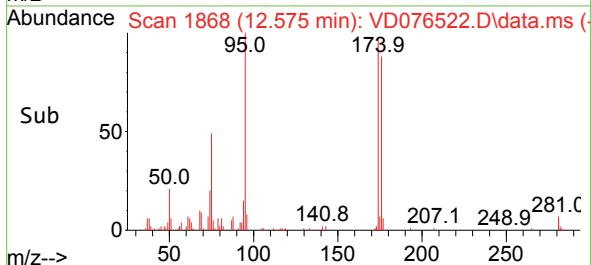
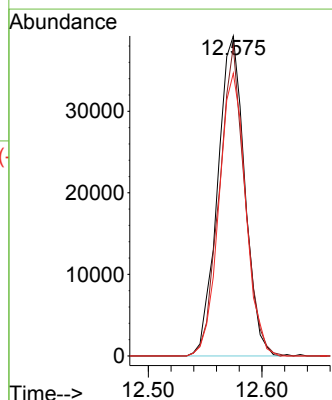
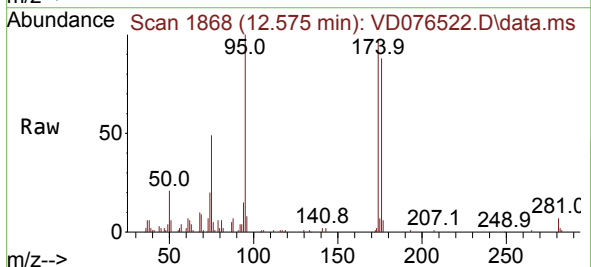
Instrument :
MSVOA_D
ClientSampleId :
SB-04-6.5-7.0

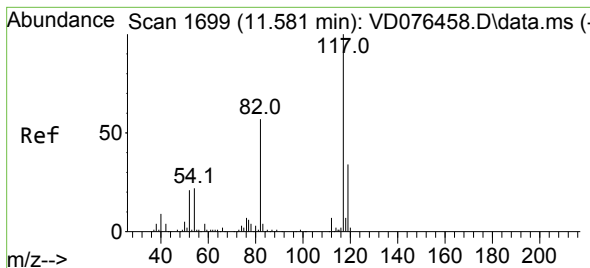
Tgt Ion: 43 Resp: 965
Ion Ratio Lower Upper
43 100
58 19.1 38.9 58.3#



#62
4-Bromofluorobenzene
Concen: 53.230 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD076522.D
Acq: 21 Jun 2023 19:52

Tgt Ion: 95 Resp: 64930
Ion Ratio Lower Upper
95 100
174 91.3 0.0 201.8
176 87.1 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD076522.D

Acq: 21 Jun 2023 19:52

Instrument :

MSVOA_D

ClientSampleId :

SB-04-6.5-7.0

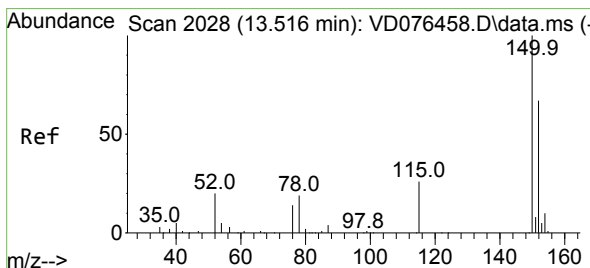
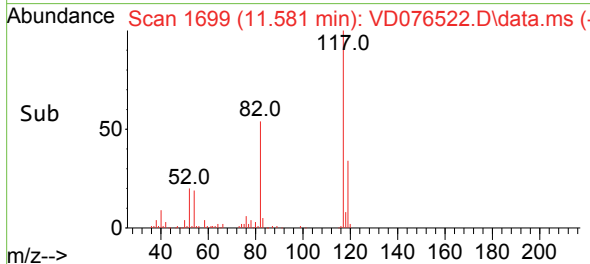
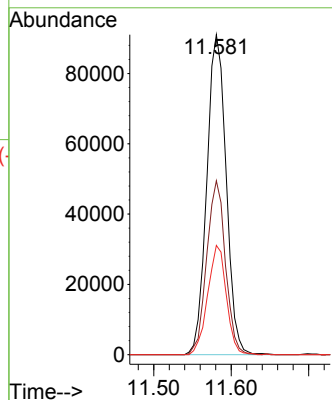
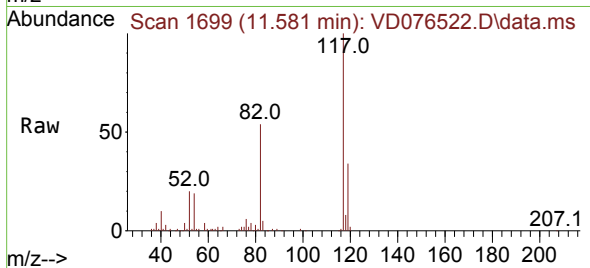
Tgt Ion:117 Resp: 157981

Ion Ratio Lower Upper

117 100

82 54.3 38.3 57.5

119 34.1 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: VD076522.D

Acq: 21 Jun 2023 19:52

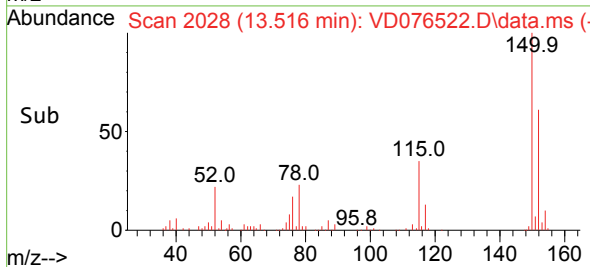
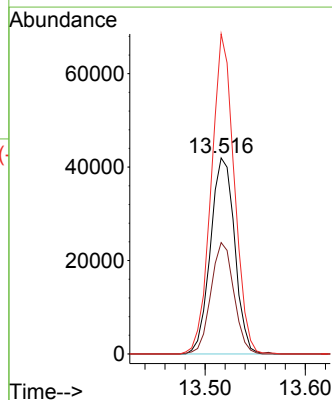
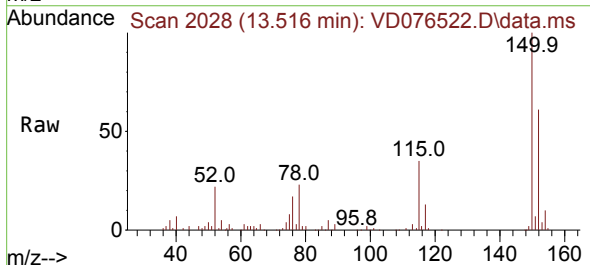
Tgt Ion:152 Resp: 70472

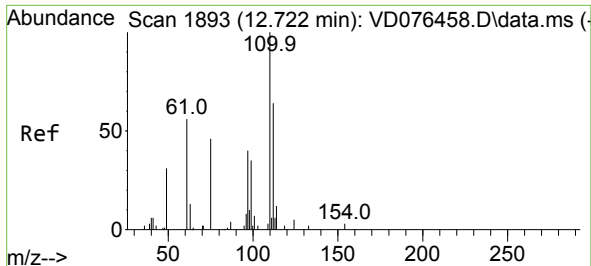
Ion Ratio Lower Upper

152 100

115 53.9 27.1 81.3

150 155.0 0.0 353.6

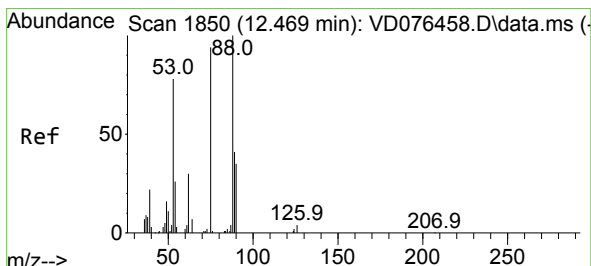
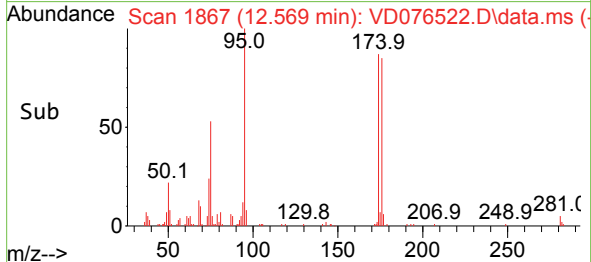
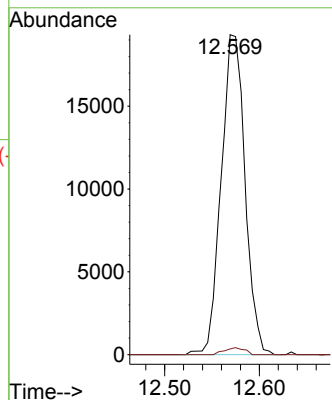
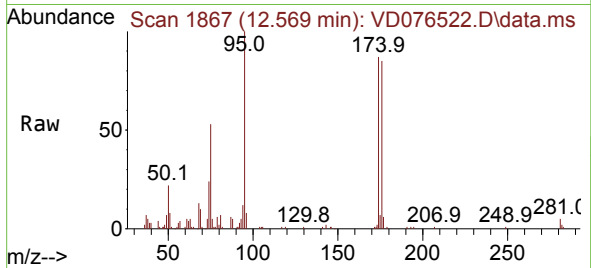




#76
1,2,3-Trichloropropane
Concen: 48.312 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD076522.D
Acq: 21 Jun 2023 19:52

Instrument :
MSVOA_D
ClientSampleId :
SB-04-6.5-7.0

Tgt Ion: 75 Resp: 33790
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 105.862 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD076522.D
Acq: 21 Jun 2023 19:52

Tgt Ion: 75 Resp: 33790
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#

