

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062023\
 Data File : VD076497.D
 Acq On : 20 Jun 2023 17:47
 Operator : KP/SY
 Sample : 03289-20
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-07-4.0-6.0

Quant Time: Jun 21 06:49:08 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)

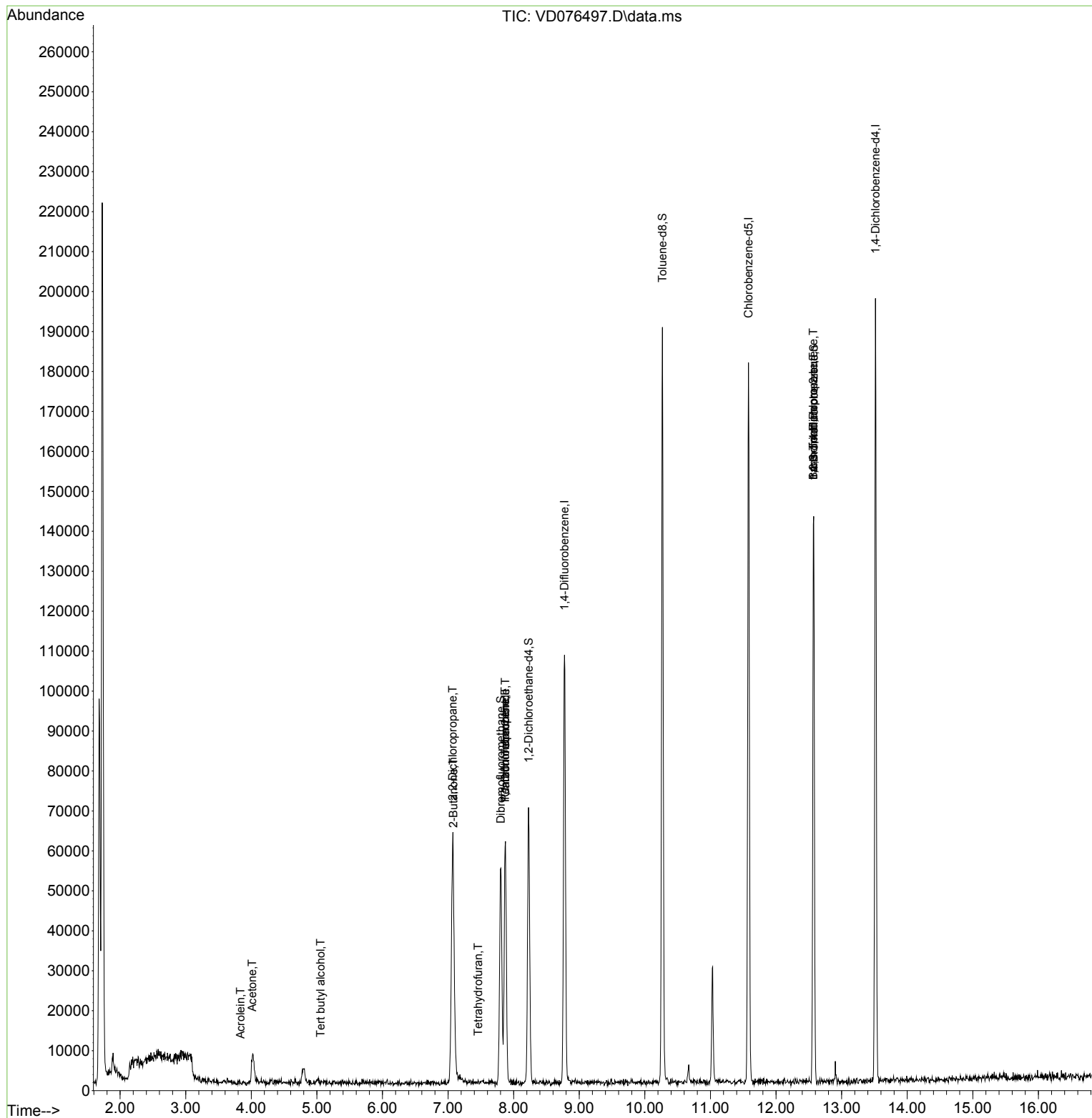
Internal Standards						
1) Pentafluorobenzene	7.869	168	49446	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	96528	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	101183	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	50016	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	50287	101.506	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 203.020%#	
35) Dibromofluoromethane	7.804	113	38922	67.874	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 135.740%	
50) Toluene-d8	10.269	98	123823	56.936	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 113.880%	
62) 4-Bromofluorobenzene	12.575	95	44020	62.369	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 124.740%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.058	59	325	7.598	ug/l #	73
13) Acrolein	3.834	56	74	1.606	ug/l #	15
16) Acetone	4.016	43	13342	113.175	ug/l	87
20) Methylene Chloride	4.810	84	1757	Below Cal	#	49
25) 2-Butanone	7.081	43	3652	20.029	ug/l #	37
26) 2,2-Dichloropropane	7.069	77	4573	5.309	ug/l #	49
28) Bromochloromethane	7.557	49	206	Below Cal	#	1
29) Tetrahydrofuran	7.457	42	170	1.451	ug/l #	23
36) 1,1-Dichloropropene	7.869	75	4231	5.269	ug/l #	45
38) Carbon Tetrachloride	7.875	117	5033	7.012	ug/l #	11
71) Bromoform	12.569	173	555	1.345	ug/l #	28
76) 1,2,3-Trichloropropane	12.569	75	22923	46.179	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	22923	101.188	ug/l #	17

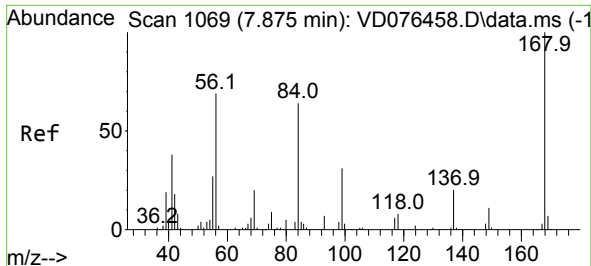
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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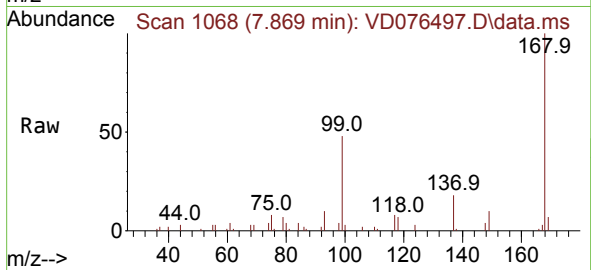
Quant Time: Jun 21 06:49:08 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061623S.M
Quant Title : SW846 8260
QLast Update : Mon Jun 19 04:51:45 2023
Response via : Initial Calibration



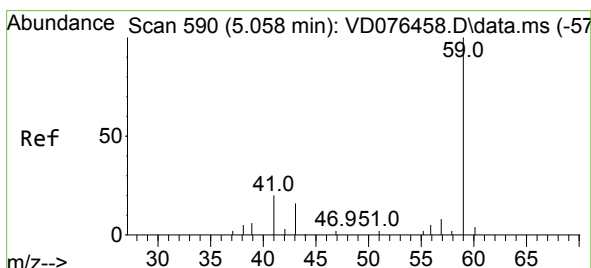
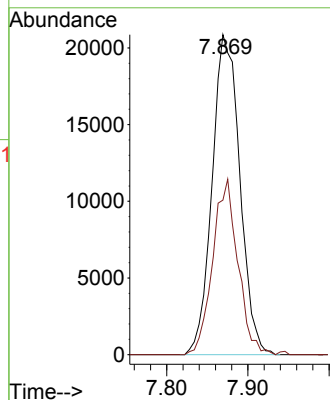
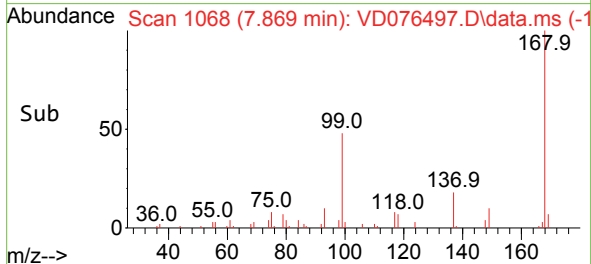


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD076497.D
Acq: 20 Jun 2023 17:47

Instrument :
MSVOA_D
ClientSampleId :
SB-07-4.0-6.0

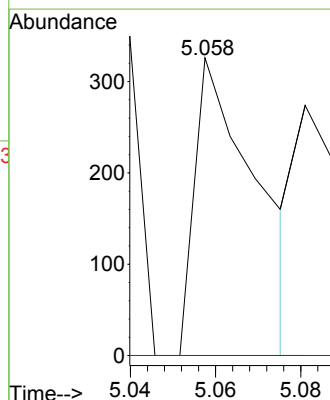
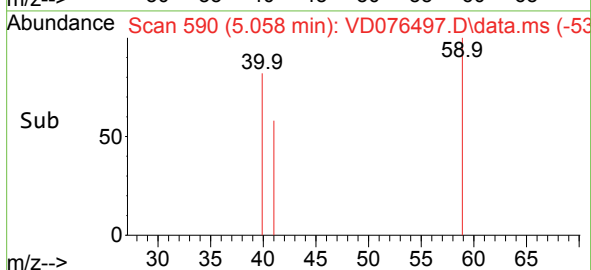
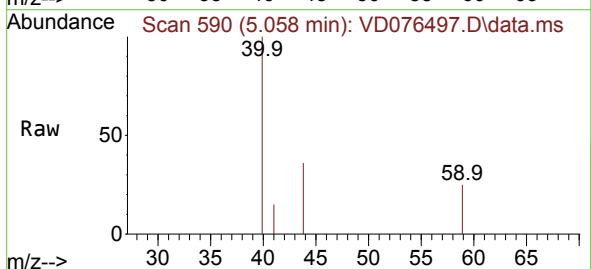


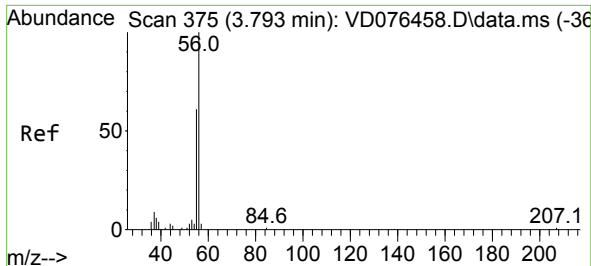
Tgt Ion:168 Resp: 49446
Ion Ratio Lower Upper
168 100
99 48.3 36.7 55.1



#11
Tert butyl alcohol
Concen: 7.598 ug/l
RT: 5.058 min Scan# 590
Delta R.T. -0.000 min
Lab File: VD076497.D
Acq: 20 Jun 2023 17:47

Tgt Ion: 59 Resp: 325
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

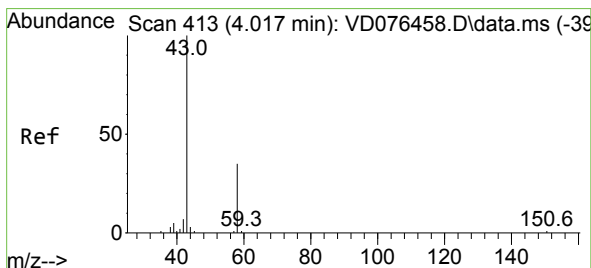
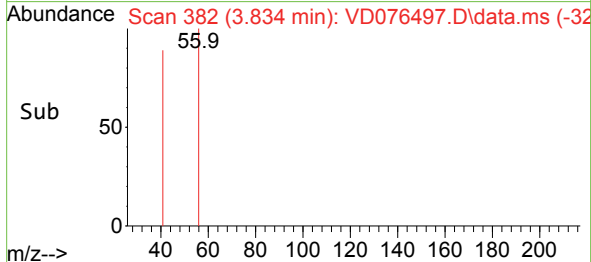
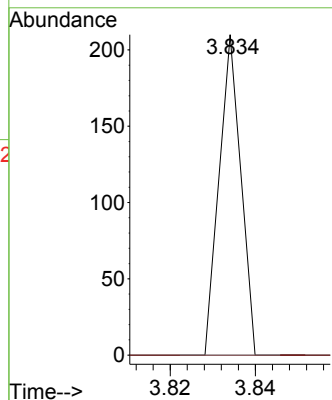
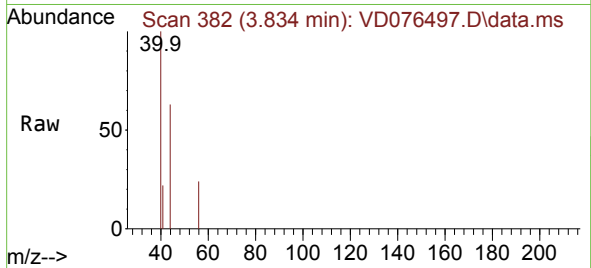




#13
Acrolein
Concen: 1.606 ug/l
RT: 3.834 min Scan# 375
Delta R.T. 0.041 min
Lab File: VD076497.D
Acq: 20 Jun 2023 17:47

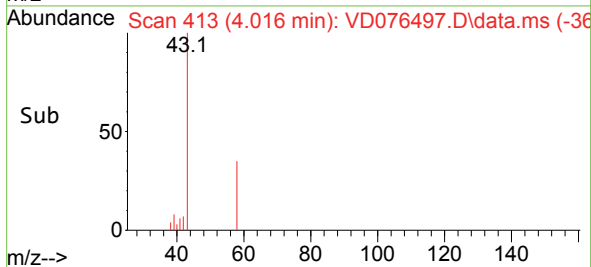
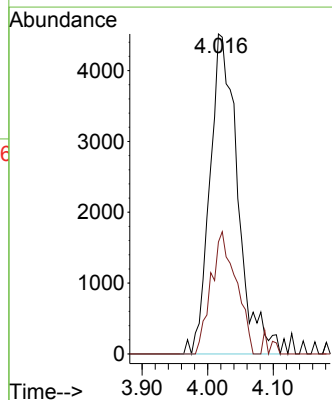
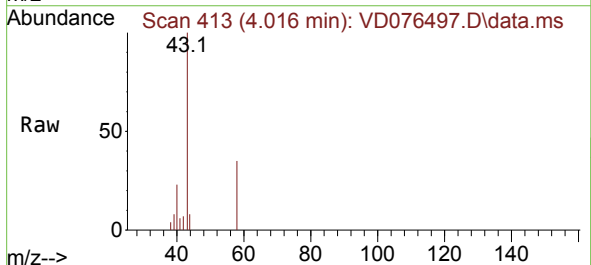
Instrument :
MSVOA_D
ClientSampleId :
SB-07-4.0-6.0

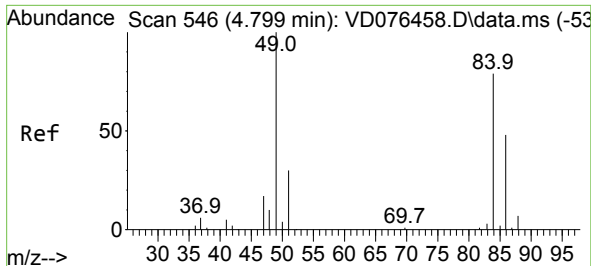
Tgt Ion: 56 Resp: 74
Ion Ratio Lower Upper
56 100
55 0.0 55.1 82.7#



#16
Acetone
Concen: 113.175 ug/l
RT: 4.016 min Scan# 413
Delta R.T. -0.000 min
Lab File: VD076497.D
Acq: 20 Jun 2023 17:47

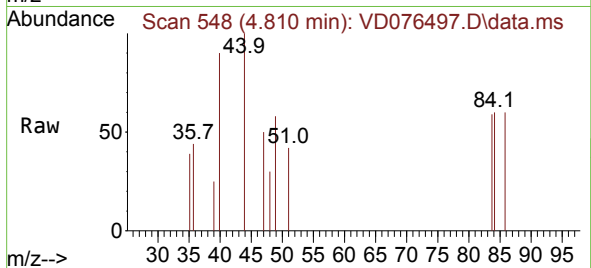
Tgt Ion: 43 Resp: 13342
Ion Ratio Lower Upper
43 100
58 35.0 34.7 52.1





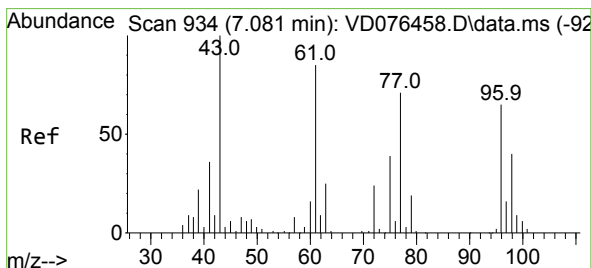
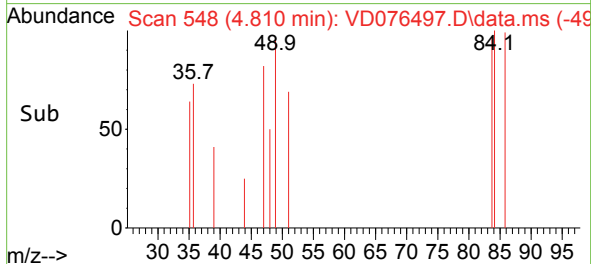
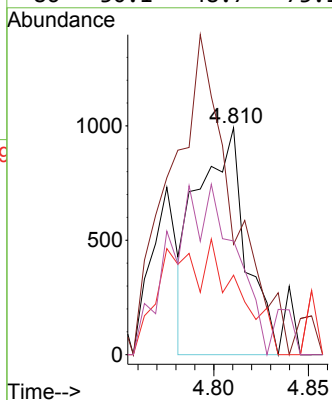
#20
Methylene Chloride
Concen: Below Cal
RT: 4.810 min Scan# 546
Delta R.T. 0.011 min
Lab File: VD076497.D
Acq: 20 Jun 2023 17:47

Instrument :
MSVOA_D
ClientSampleId :
SB-07-4.0-6.0



Tgt Ion: 84 Resp: 1757

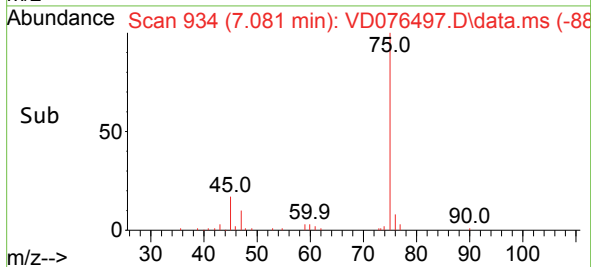
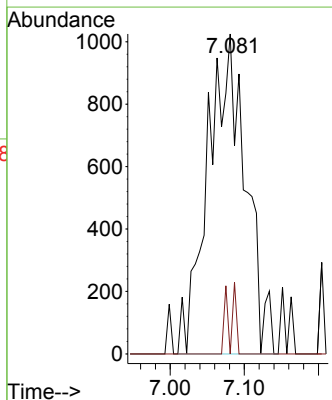
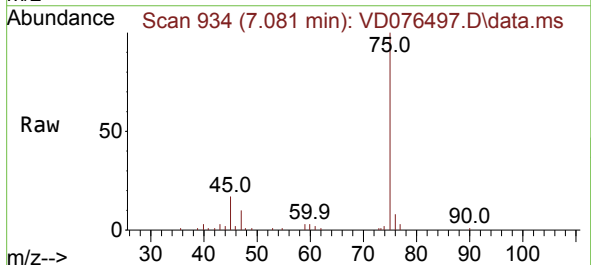
Ion	Ratio	Lower	Upper
84	100		
49	21.4	71.4	107.2#
51	35.1	24.5	36.7
86	30.1	48.7	73.1#

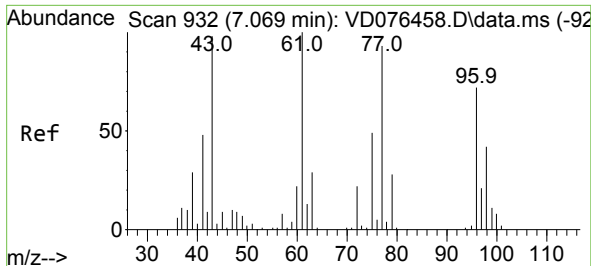


#25
2-Butanone
Concen: 20.029 ug/l
RT: 7.081 min Scan# 934
Delta R.T. -0.000 min
Lab File: VD076497.D
Acq: 20 Jun 2023 17:47

Tgt Ion: 43 Resp: 3652

Ion	Ratio	Lower	Upper
43	100		
72	0.0	30.7	46.1#

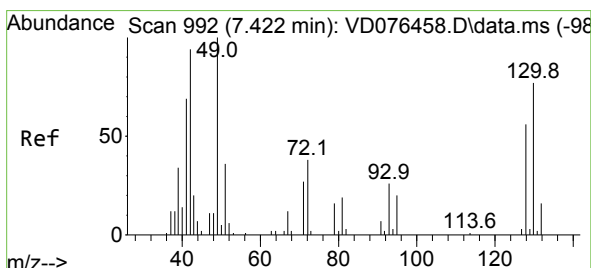
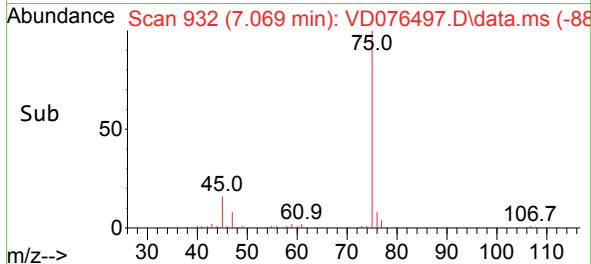
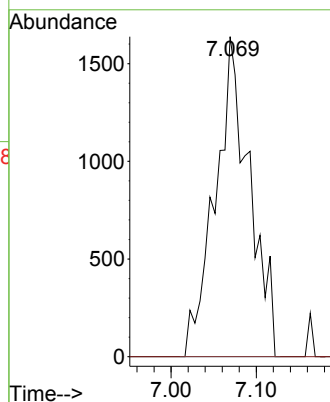
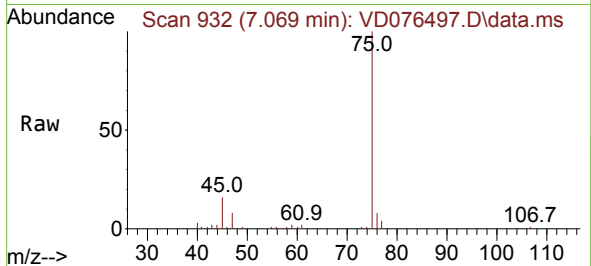




#26
2,2-Dichloropropane
Concen: 5.309 ug/l
RT: 7.069 min Scan# 91
Delta R.T. -0.000 min
Lab File: VD076497.D
Acq: 20 Jun 2023 17:47

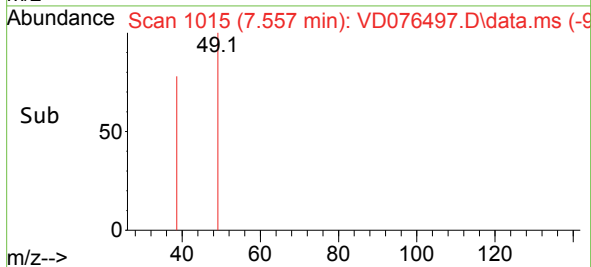
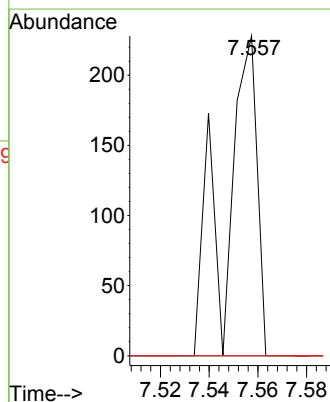
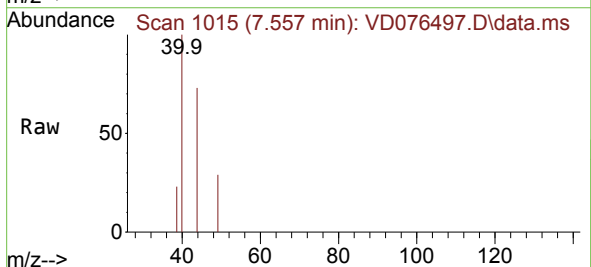
Instrument :
MSVOA_D
ClientSampleId :
SB-07-4.0-6.0

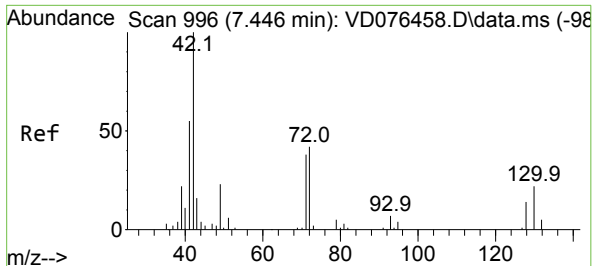
Tgt Ion: 77 Resp: 4573
Ion Ratio Lower Upper
77 100
97 0.0 13.2 39.6#



#28
Bromochloromethane
Concen: Below Cal
RT: 7.557 min Scan# 1015
Delta R.T. 0.135 min
Lab File: VD076497.D
Acq: 20 Jun 2023 17:47

Tgt Ion: 49 Resp: 206
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.0
130 0.0 83.2 124.8#

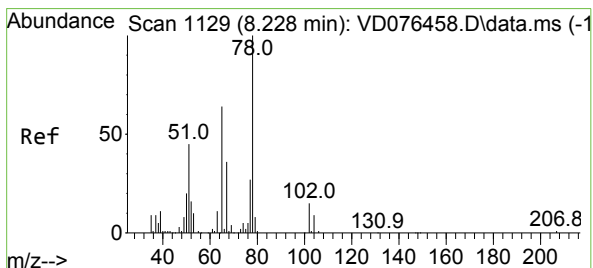
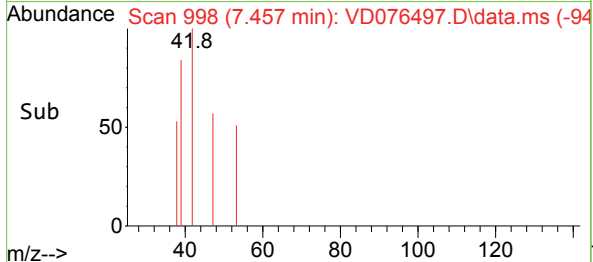
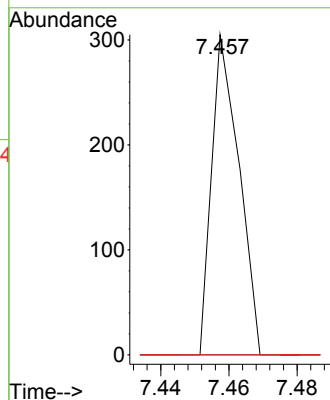
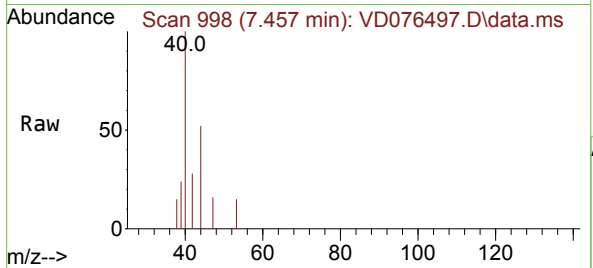




#29
Tetrahydrofuran
Concen: 1.451 ug/l
RT: 7.457 min Scan# 998
Delta R.T. 0.011 min
Lab File: VD076497.D
Acq: 20 Jun 2023 17:47

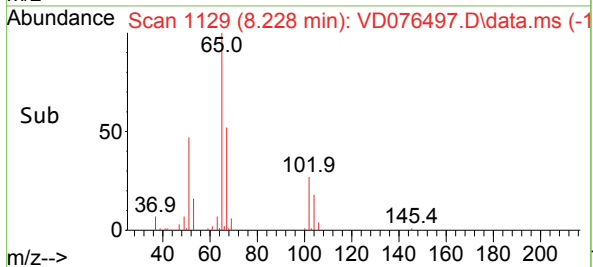
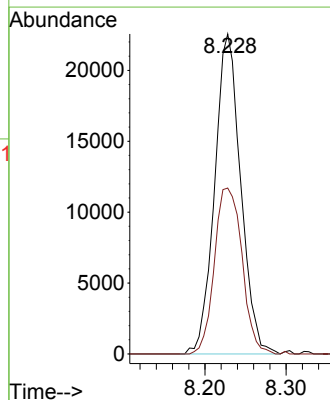
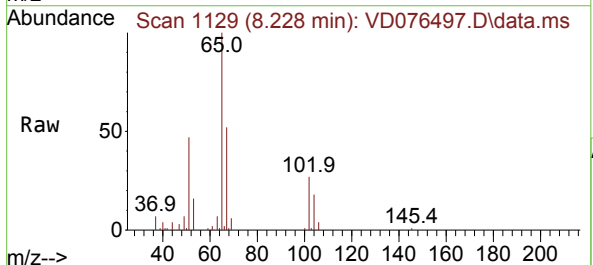
Instrument :
MSVOA_D
ClientSampleId :
SB-07-4.0-6.0

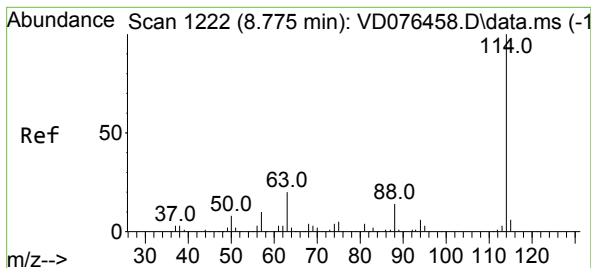
Tgt Ion: 42 Resp: 170
Ion Ratio Lower Upper
42 100
72 0.0 46.5 69.7#
71 0.0 44.5 66.7#



#33
1,2-Dichloroethane-d4
Concen: 101.506 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD076497.D
Acq: 20 Jun 2023 17:47

Tgt Ion: 65 Resp: 50287
Ion Ratio Lower Upper
65 100
67 55.0 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD076497.D

Acq: 20 Jun 2023 17:47

Instrument :

MSVOA_D

ClientSampleId :

SB-07-4.0-6.0

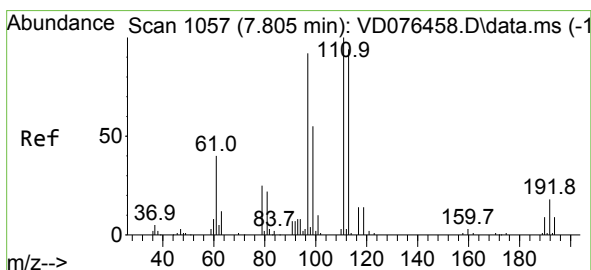
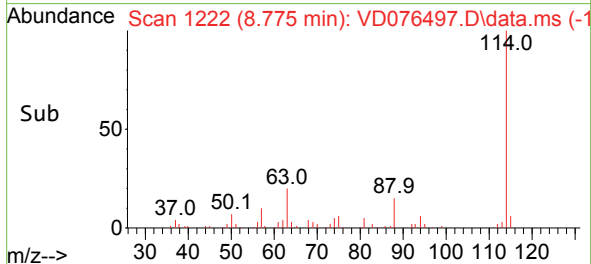
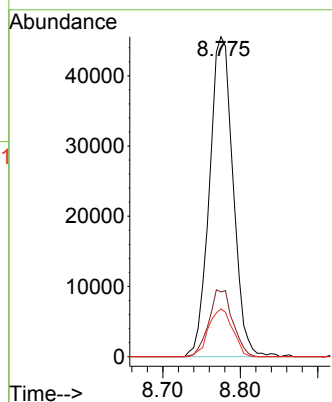
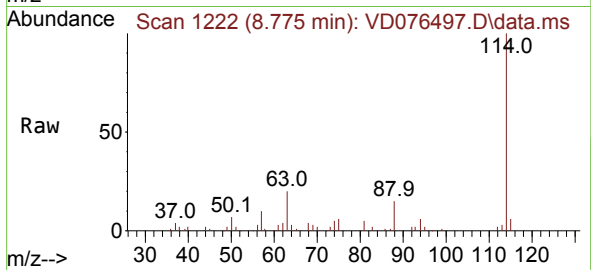
Tgt Ion:114 Resp: 96528

Ion Ratio Lower Upper

114 100

63 20.3 0.0 33.4

88 14.9 0.0 26.2



#35

Dibromofluoromethane

Concen: 67.874 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD076497.D

Acq: 20 Jun 2023 17:47

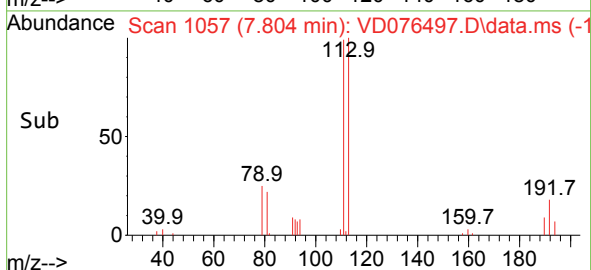
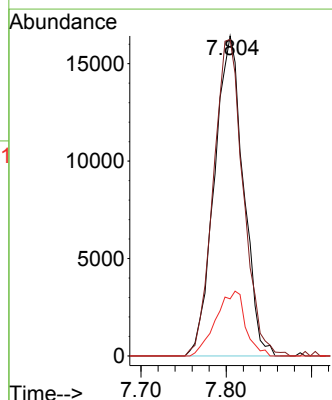
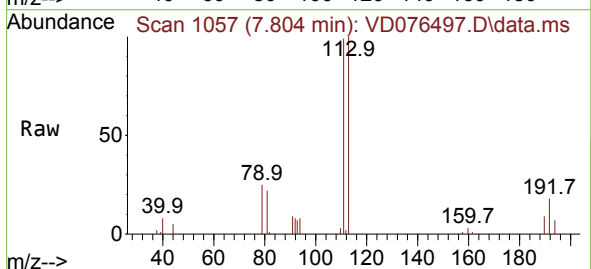
Tgt Ion:113 Resp: 38922

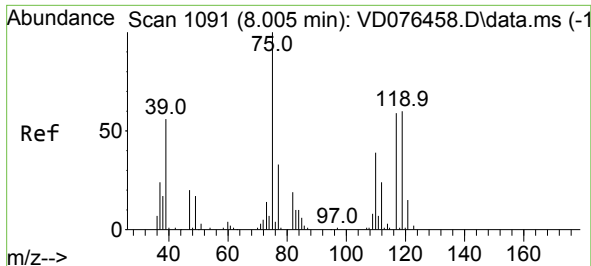
Ion Ratio Lower Upper

113 100

111 101.6 84.7 127.1

192 20.6 16.8 25.2





#36

1,1-Dichloropropene

Concen: 5.269 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.135 min

Lab File: VD076497.D

Acq: 20 Jun 2023 17:47

Instrument :

MSVOA_D

ClientSampleId :

SB-07-4.0-6.0

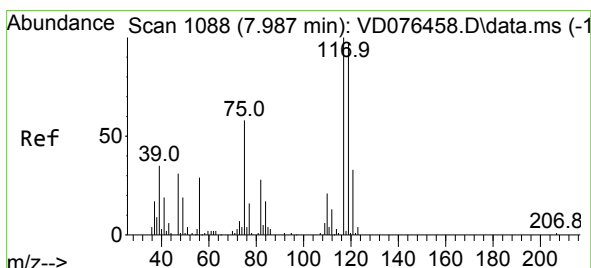
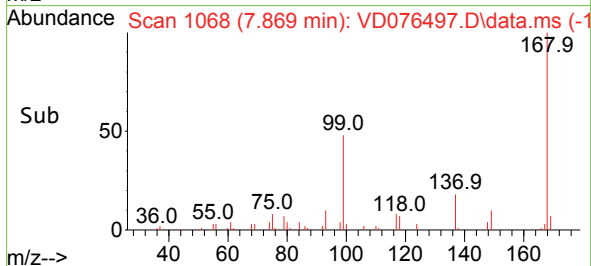
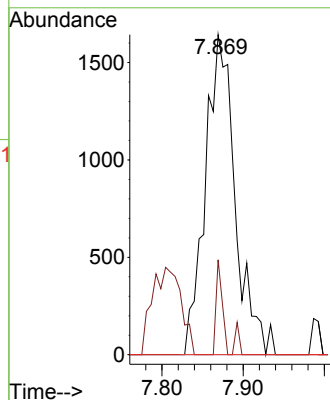
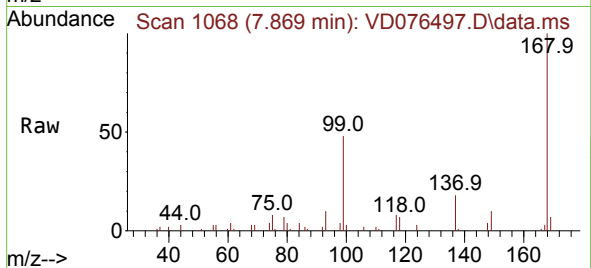
Tgt Ion: 75 Resp: 4231

Ion Ratio Lower Upper

75 100

110 6.1 19.9 59.6#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 7.012 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.112 min

Lab File: VD076497.D

Acq: 20 Jun 2023 17:47

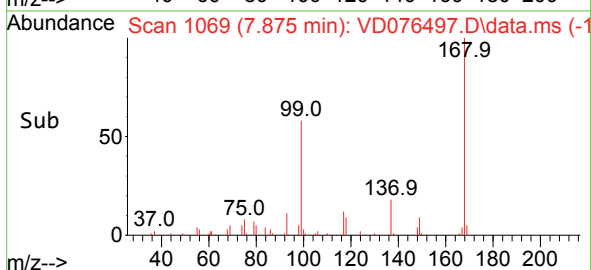
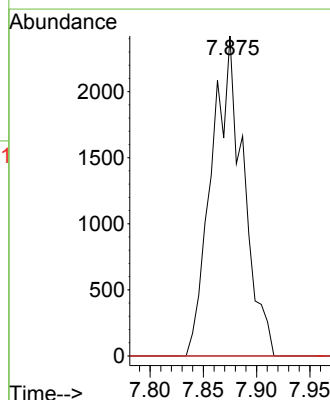
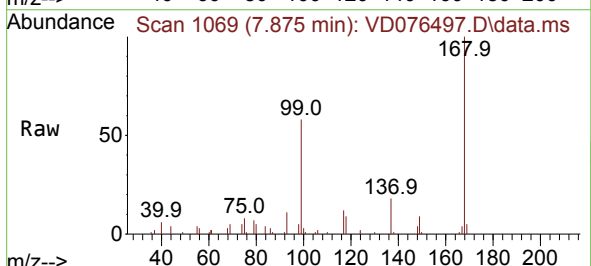
Tgt Ion: 117 Resp: 5033

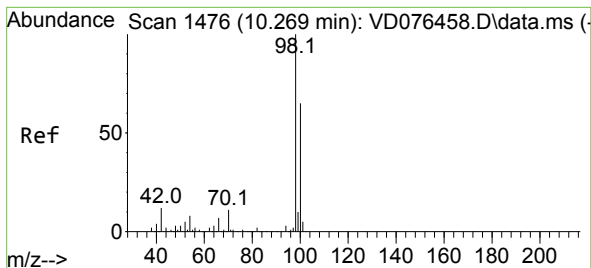
Ion Ratio Lower Upper

117 100

119 0.0 78.0 117.0#

121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 56.936 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD076497.D

Acq: 20 Jun 2023 17:47

Instrument :

MSVOA_D

ClientSampleId :

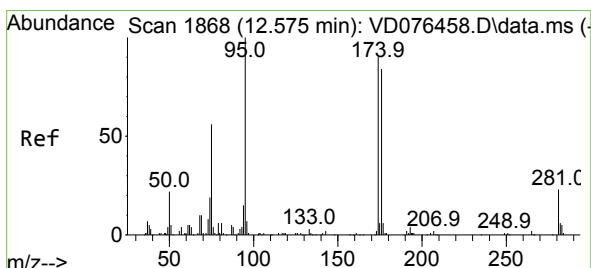
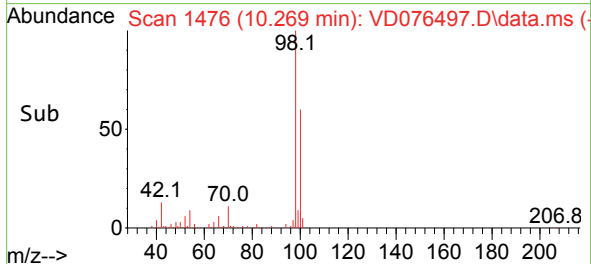
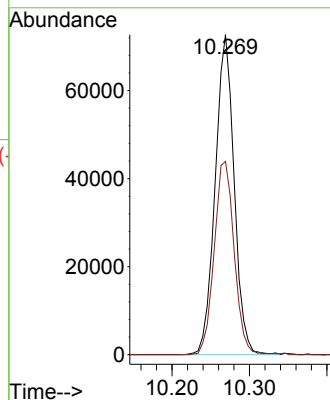
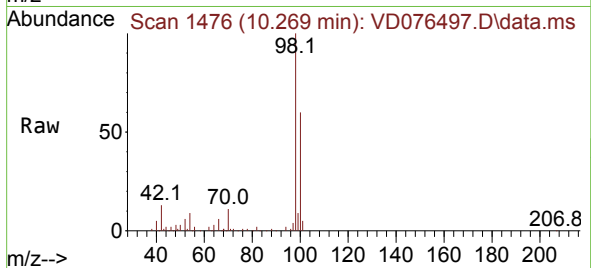
SB-07-4.0-6.0

Tgt Ion: 98 Resp: 123823

Ion Ratio Lower Upper

98 100

100 63.6 50.3 75.5



#62

4-Bromofluorobenzene

Concen: 62.369 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VD076497.D

Acq: 20 Jun 2023 17:47

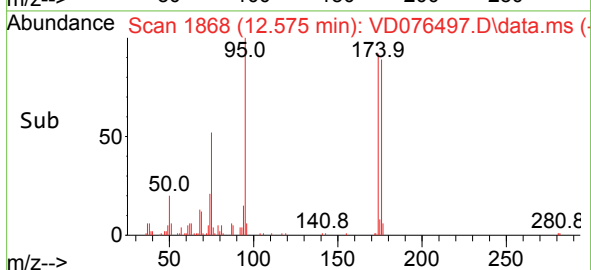
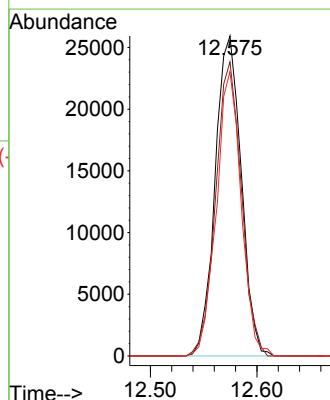
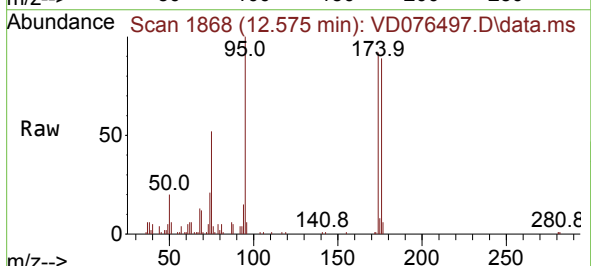
Tgt Ion: 95 Resp: 44020

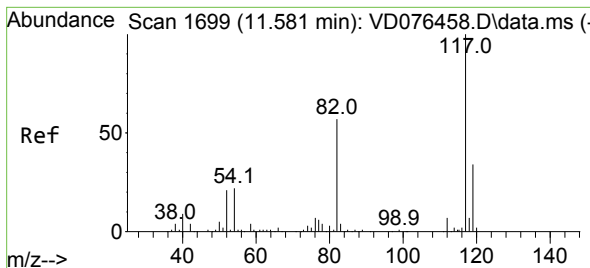
Ion Ratio Lower Upper

95 100

174 90.6 0.0 201.8

176 84.6 0.0 191.8

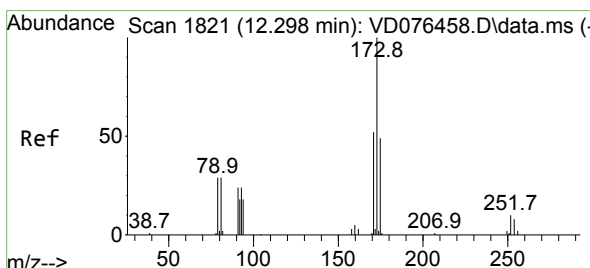
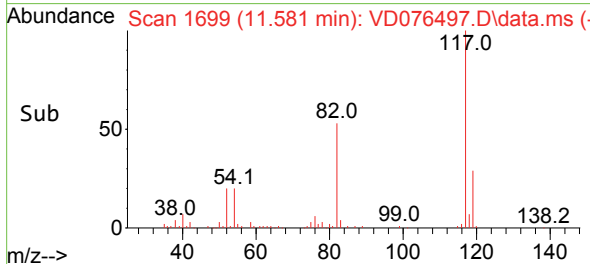
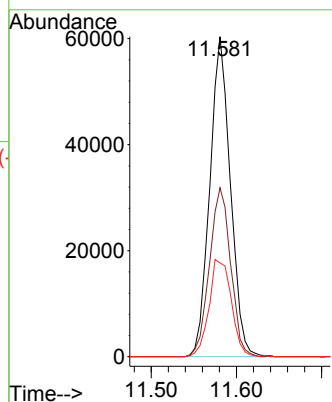
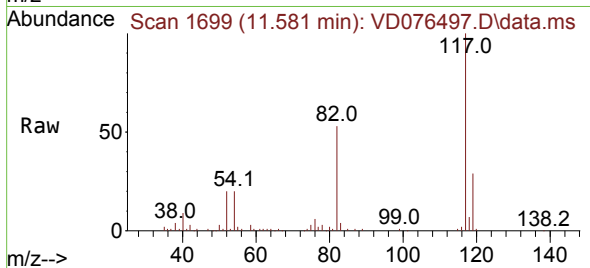




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD076497.D
Acq: 20 Jun 2023 17:47

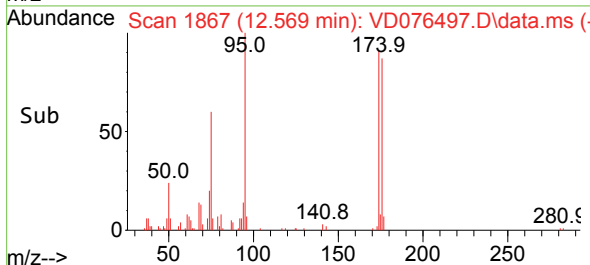
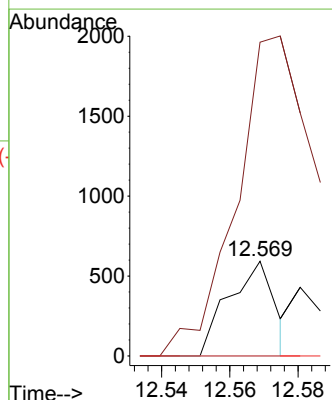
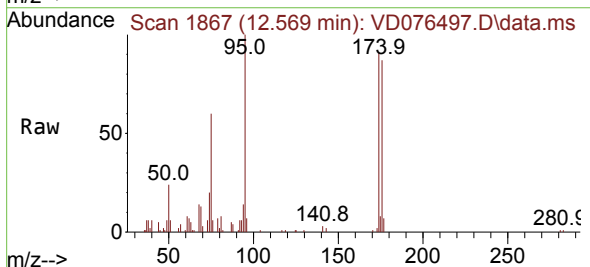
Instrument :
MSVOA_D
ClientSampleId :
SB-07-4.0-6.0

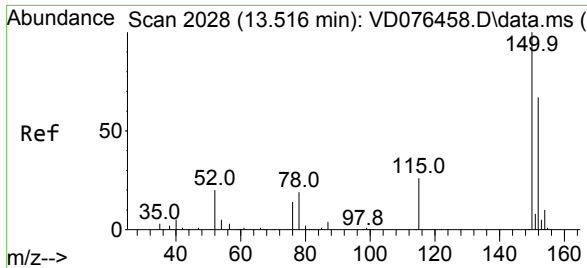
Tgt Ion:117 Resp: 101183
Ion Ratio Lower Upper
117 100
82 52.8 38.3 57.5
119 29.3 25.0 37.4



#71
Bromoform
Concen: 1.345 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.270 min
Lab File: VD076497.D
Acq: 20 Jun 2023 17:47

Tgt Ion:173 Resp: 555
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.8#
254 0.0 0.0 0.0

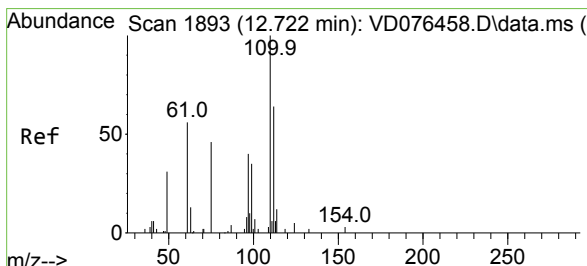
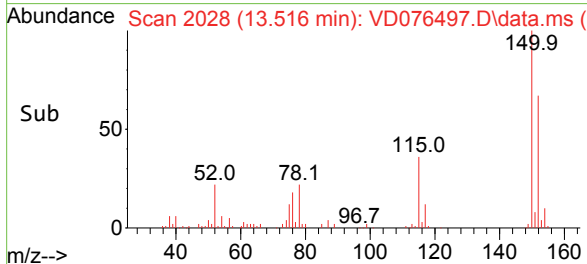
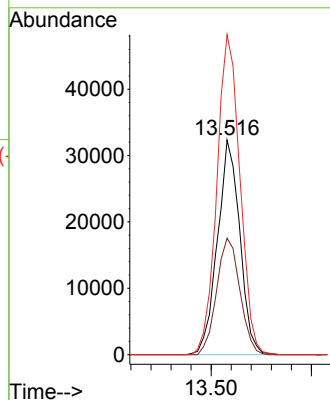
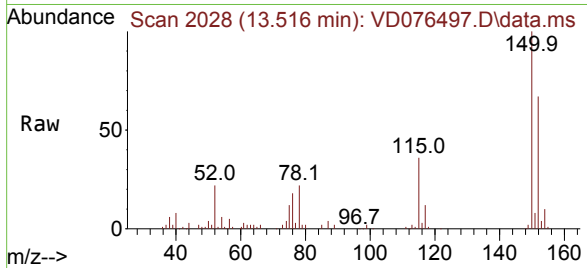




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 2028
 Delta R.T. -0.000 min
 Lab File: VD076497.D
 Acq: 20 Jun 2023 17:47

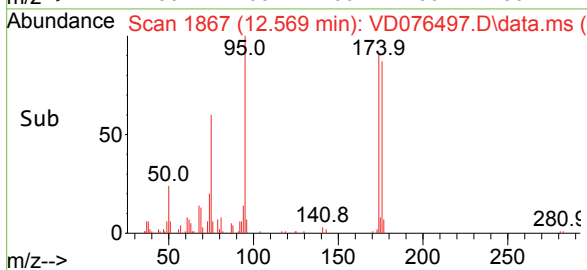
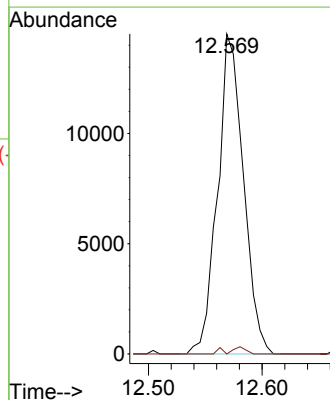
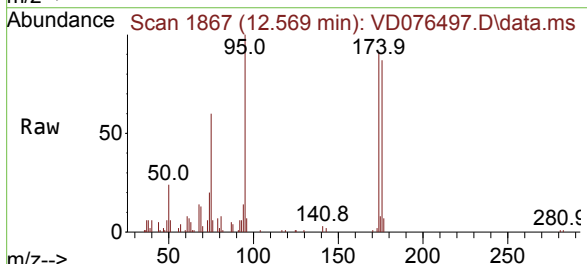
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-07-4.0-6.0

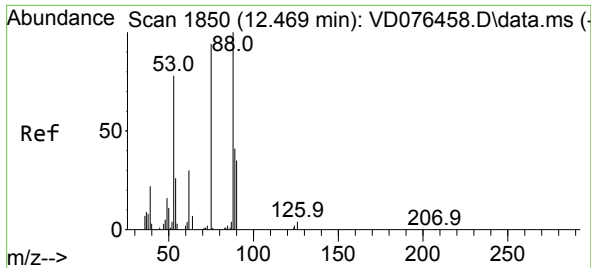
Tgt Ion:152 Resp: 50016
 Ion Ratio Lower Upper
 152 100
 115 56.4 27.1 81.3
 150 153.9 0.0 353.6



#76
 1,2,3-Trichloropropane
 Concen: 46.179 ug/l
 RT: 12.569 min Scan# 1867
 Delta R.T. -0.153 min
 Lab File: VD076497.D
 Acq: 20 Jun 2023 17:47

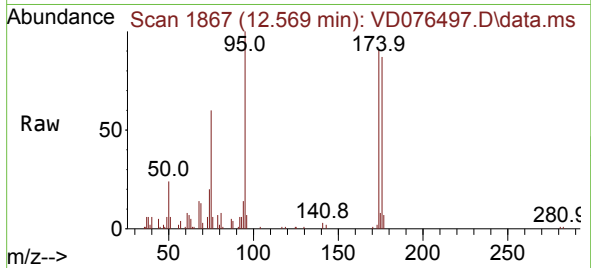
Tgt Ion: 75 Resp: 22923
 Ion Ratio Lower Upper
 75 100
 77 0.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 101.188 ug/l
 RT: 12.569 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD076497.D
 Acq: 20 Jun 2023 17:47

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-07-4.0-6.0



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

