

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062023\
 Data File : VD076501.D
 Acq On : 20 Jun 2023 19:48
 Operator : KP/SY
 Sample : 03322-01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HD-02-061623

Quant Time: Jun 21 06:50:45 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)

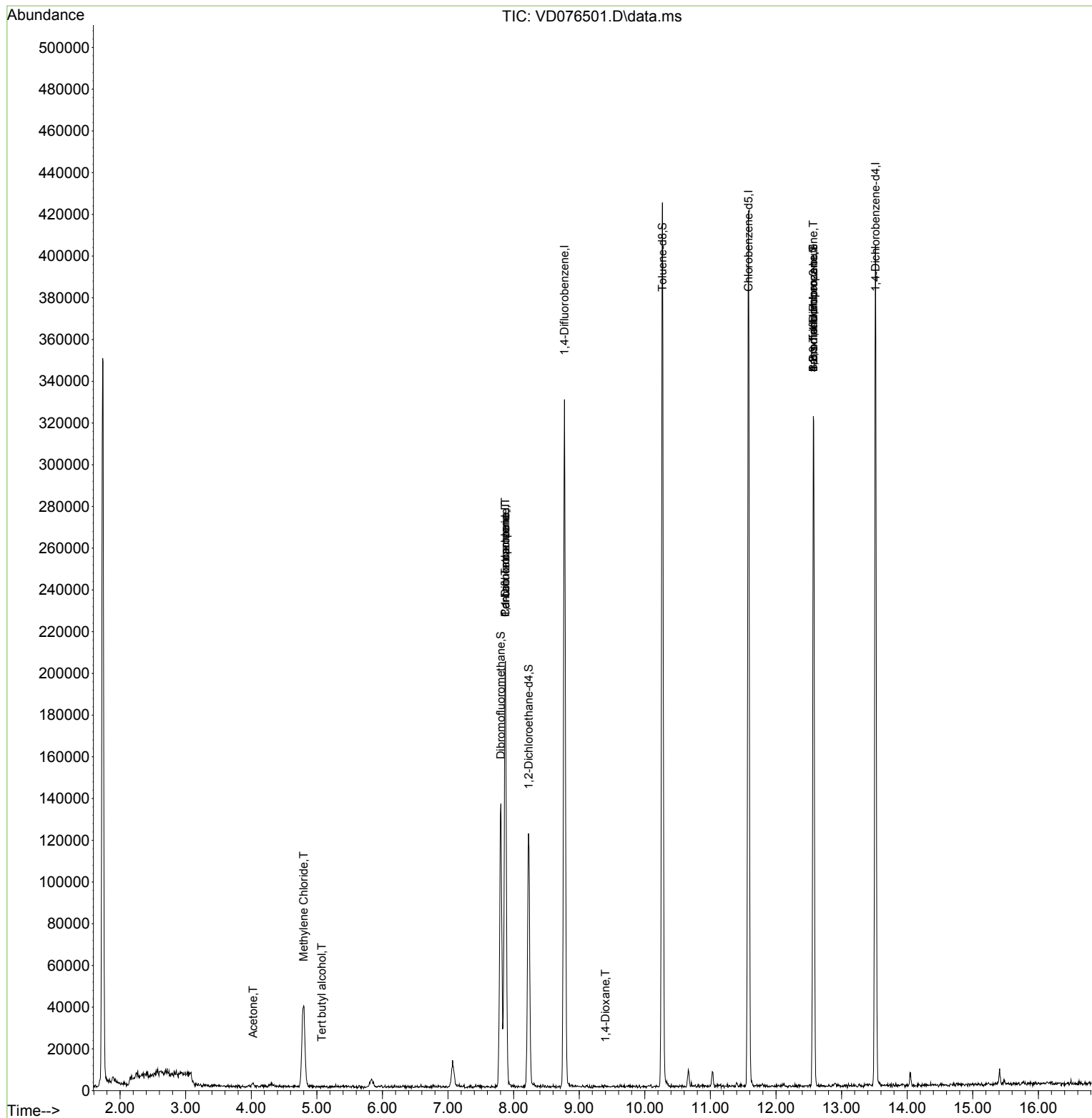
Internal Standards						
1) Pentafluorobenzene	7.875	168	163309	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	287320	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	232012	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	107058	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	92630	56.612	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.220%			
35) Dibromofluoromethane	7.805	113	95396	55.889	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.780%			
50) Toluene-d8	10.269	98	283605	43.812	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 87.620%			
62) 4-Bromofluorobenzene	12.569	95	97764	46.535	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 93.080%			
Target Compounds			Qvalue			
11) Tert butyl alcohol	5.075	59	153	1.083	ug/l #	20
16) Acetone	4.028	43	2225	5.715	ug/l #	86
20) Methylene Chloride	4.799	84	29766	6.951	ug/l #	81
28) Bromochloromethane	7.446	49	69	Below Cal	#	1
36) 1,1-Dichloropropene	7.875	75	12559	5.254	ug/l #	47
38) Carbon Tetrachloride	7.875	117	15815	7.403	ug/l #	15
49) 1,4-Dioxane	9.399	88	67	5.282	ug/l #	5
71) Bromoform	12.569	173	1211	1.279	ug/l #	28
76) 1,2,3-Trichloropropane	12.569	75	50831	47.840	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	50831	104.828	ug/l #	17

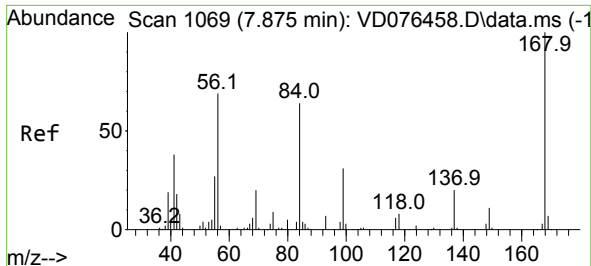
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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HD-02-061623

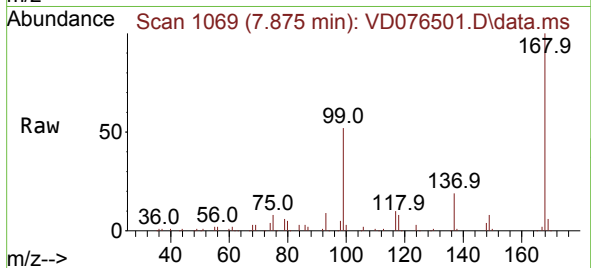
Quant Time: Jun 21 06:50:45 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061623S.M
Quant Title : SW846 8260
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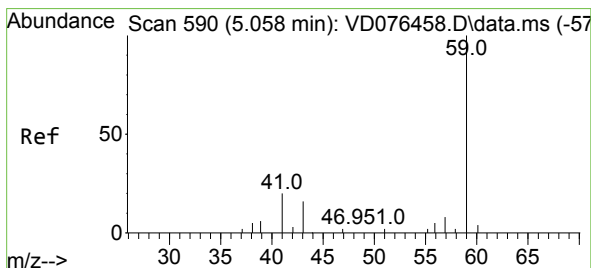
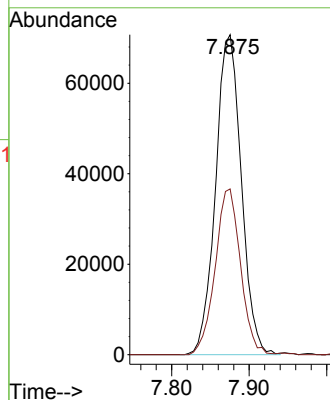
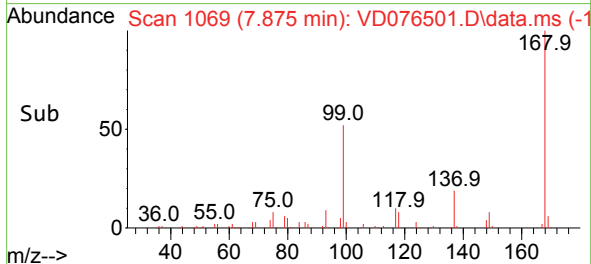


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076501.D
Acq: 20 Jun 2023 19:48

Instrument :
MSVOA_D
ClientSampleId :
HD-02-061623

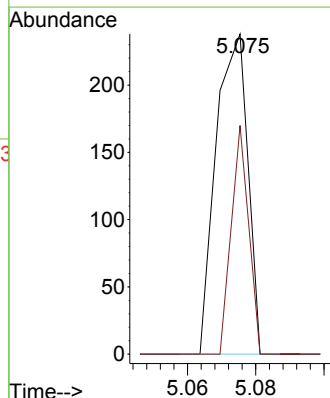
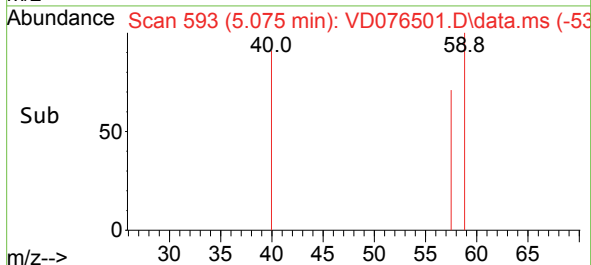
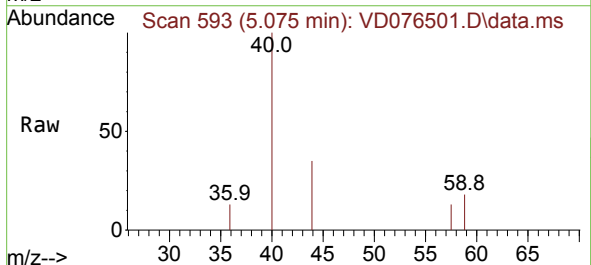


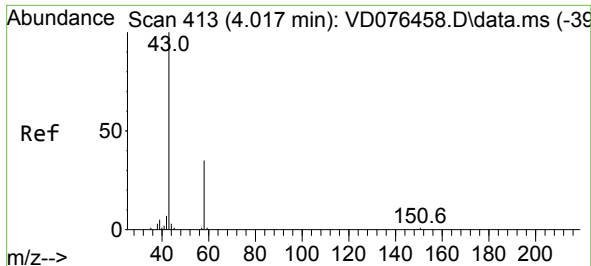
Tgt Ion:168 Resp: 163309
Ion Ratio Lower Upper
168 100
99 51.8 36.7 55.1



#11
Tert butyl alcohol
Concen: 1.083 ug/l
RT: 5.075 min Scan# 593
Delta R.T. 0.018 min
Lab File: VD076501.D
Acq: 20 Jun 2023 19:48

Tgt Ion: 59 Resp: 153
Ion Ratio Lower Upper
59 100
57 39.2 7.8 11.8#





#16

Acetone

Concen: 5.715 ug/l

RT: 4.028 min Scan# 413

Delta R.T. 0.012 min

Lab File: VD076501.D

Acq: 20 Jun 2023 19:48

Instrument :

MSVOA_D

ClientSampleId :

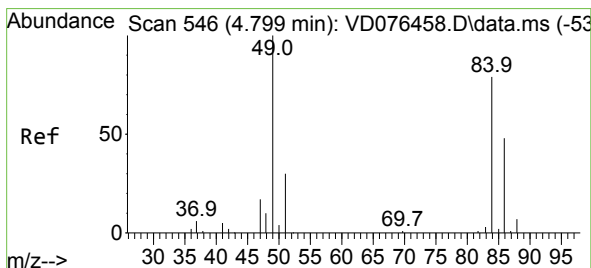
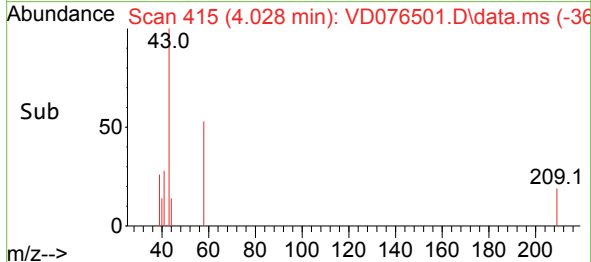
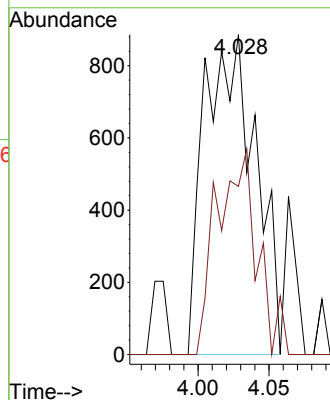
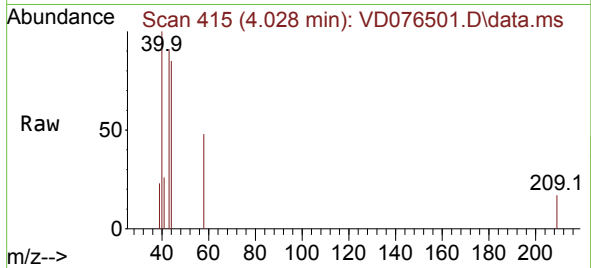
HD-02-061623

Tgt Ion: 43 Resp: 2225

Ion Ratio Lower Upper

43 100

58 52.6 34.7 52.1#



#20

Methylene Chloride

Concen: 6.951 ug/l

RT: 4.799 min Scan# 546

Delta R.T. -0.000 min

Lab File: VD076501.D

Acq: 20 Jun 2023 19:48

Tgt Ion: 84 Resp: 29766

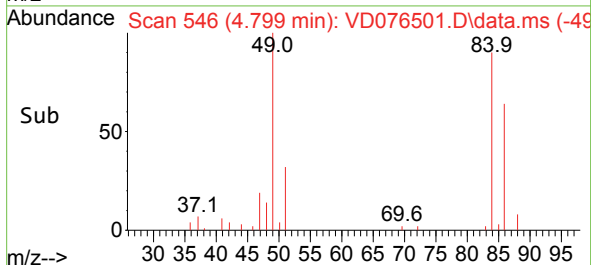
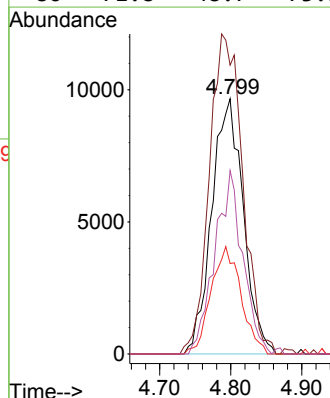
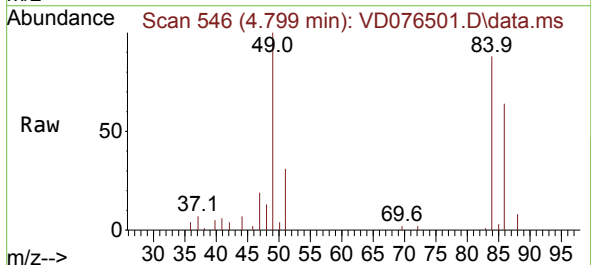
Ion Ratio Lower Upper

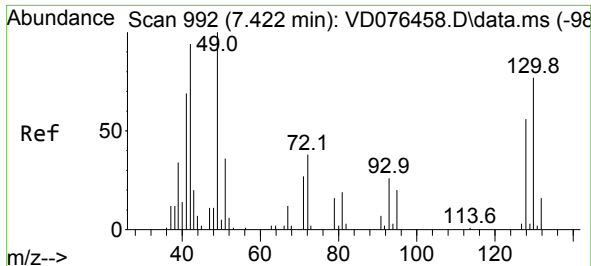
84 100

49 113.1 71.4 107.2#

51 35.4 24.5 36.7

86 71.8 48.7 73.1

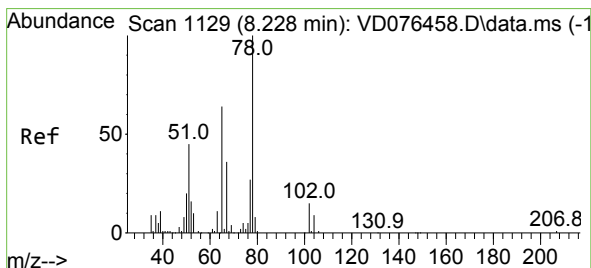
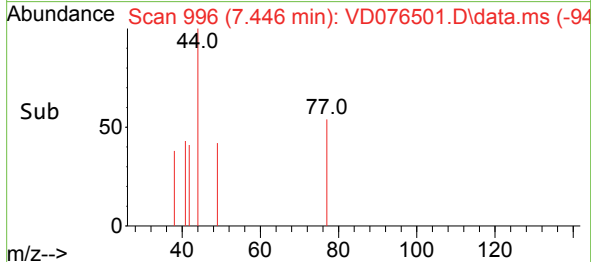
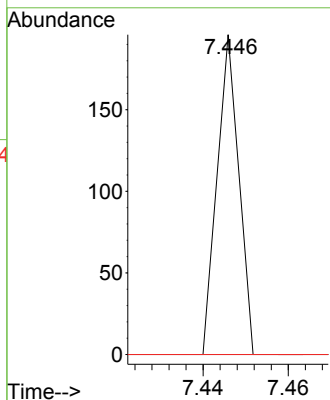
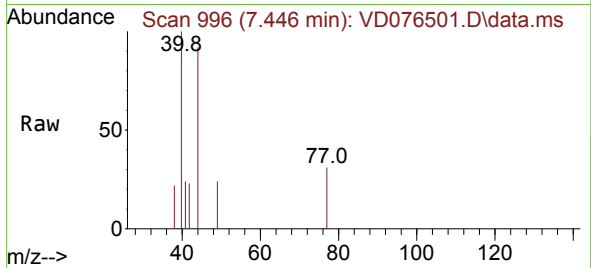




#28
Bromochloromethane
Concen: Below Cal
RT: 7.446 min Scan# 992
Delta R.T. 0.024 min
Lab File: VD076501.D
Acq: 20 Jun 2023 19:48

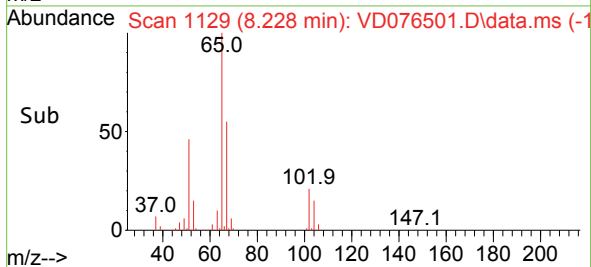
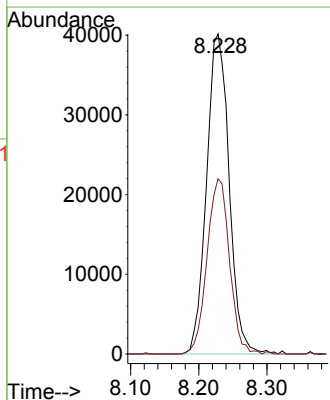
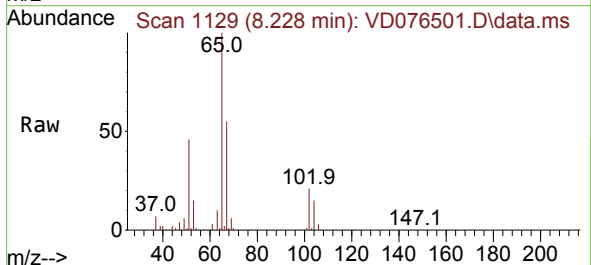
Instrument :
MSVOA_D
ClientSampleId :
HD-02-061623

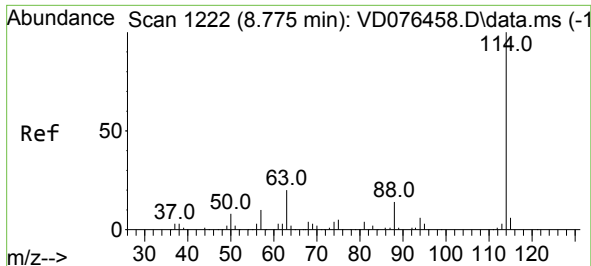
Tgt Ion: 49 Resp: 69
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.0
130 0.0 83.2 124.8#



#33
1,2-Dichloroethane-d4
Concen: 56.612 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD076501.D
Acq: 20 Jun 2023 19:48

Tgt Ion: 65 Resp: 92630
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# 1

Delta R.T. 0.000 min

Lab File: VD076501.D

Acq: 20 Jun 2023 19:48

Instrument :

MSVOA_D

ClientSampleId :

HD-02-061623

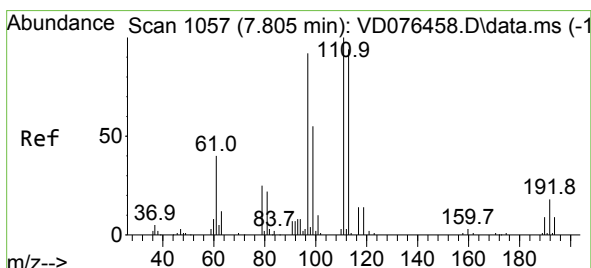
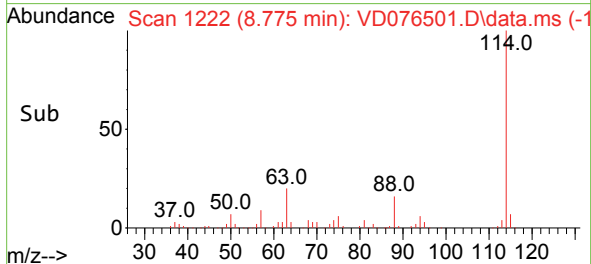
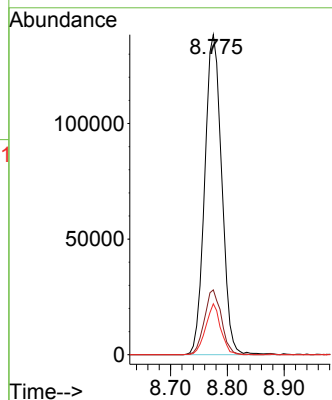
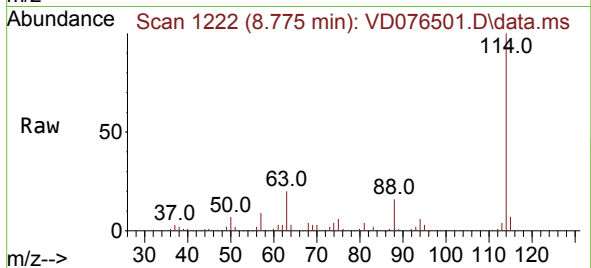
Tgt Ion:114 Resp: 287320

Ion Ratio Lower Upper

114 100

63 20.3 0.0 33.4

88 15.9 0.0 26.2



#35

Dibromofluoromethane

Concen: 55.889 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD076501.D

Acq: 20 Jun 2023 19:48

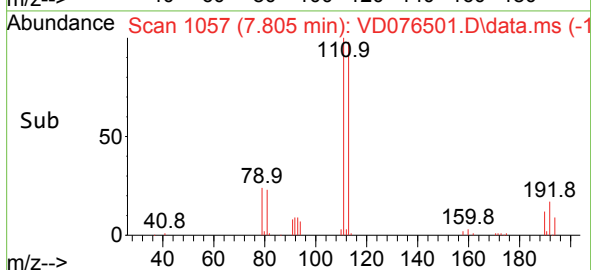
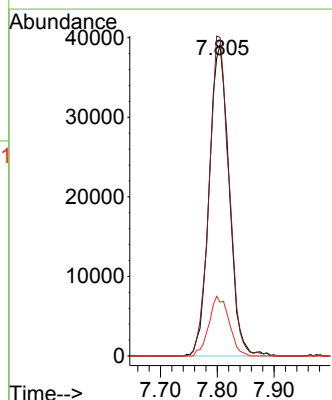
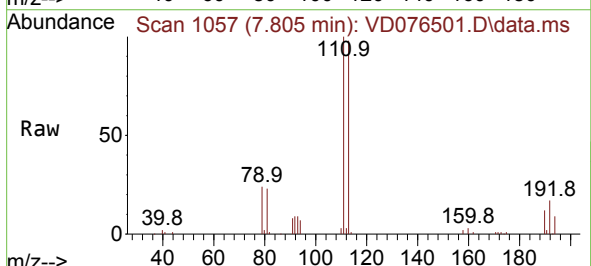
Tgt Ion:113 Resp: 95396

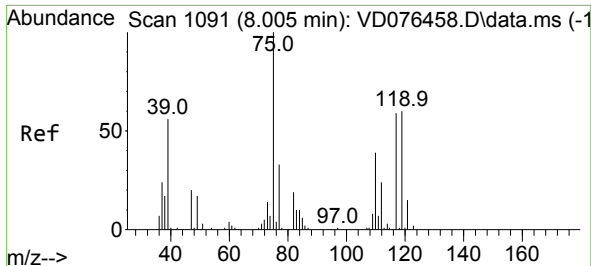
Ion Ratio Lower Upper

113 100

111 101.6 84.7 127.1

192 19.3 16.8 25.2





#36

1,1-Dichloropropene

Concen: 5.254 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.129 min

Lab File: VD076501.D

Acq: 20 Jun 2023 19:48

Instrument :

MSVOA_D

ClientSampleId :

HD-02-061623

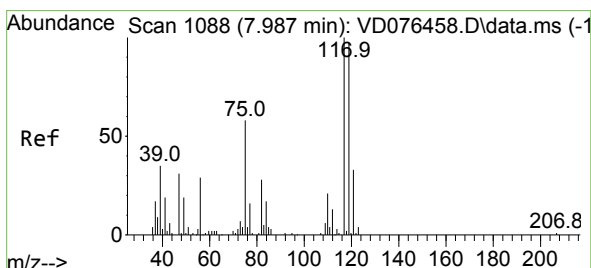
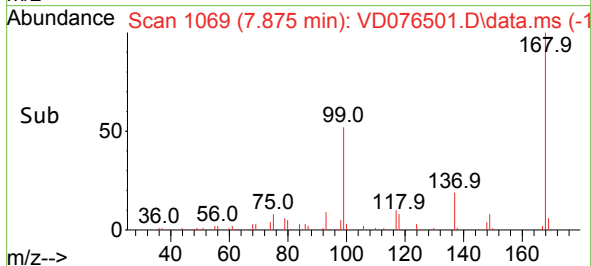
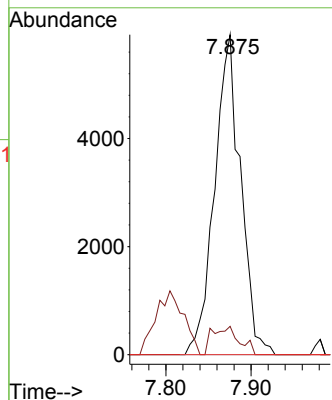
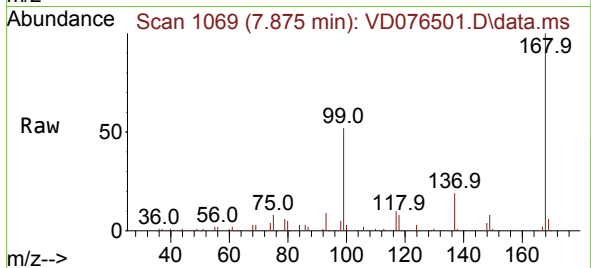
Tgt Ion: 75 Resp: 12559

Ion Ratio Lower Upper

75 100

110 9.0 19.9 59.6#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 7.403 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.112 min

Lab File: VD076501.D

Acq: 20 Jun 2023 19:48

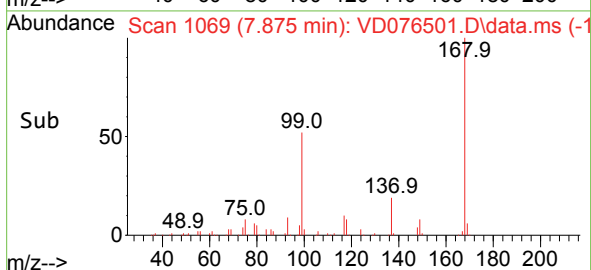
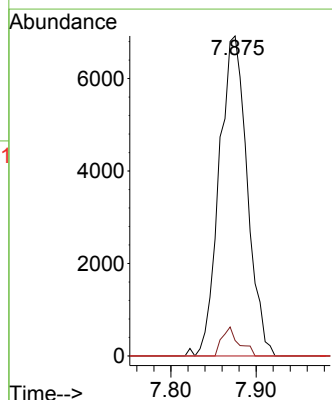
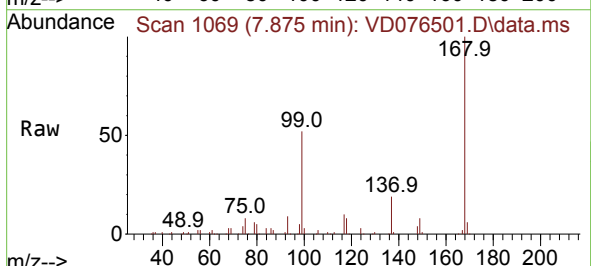
Tgt Ion: 117 Resp: 15815

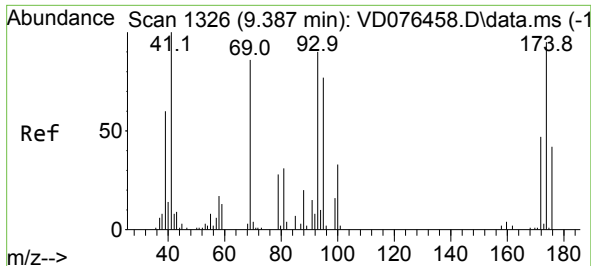
Ion Ratio Lower Upper

117 100

119 4.8 78.0 117.0#

121 0.0 24.2 36.2#





#49

1,4-Dioxane

Concen: 5.282 ug/l

RT: 9.399 min Scan# 1

Delta R.T. 0.012 min

Lab File: VD076501.D

Acq: 20 Jun 2023 19:48

Instrument :

MSVOA_D

ClientSampleId :

HD-02-061623

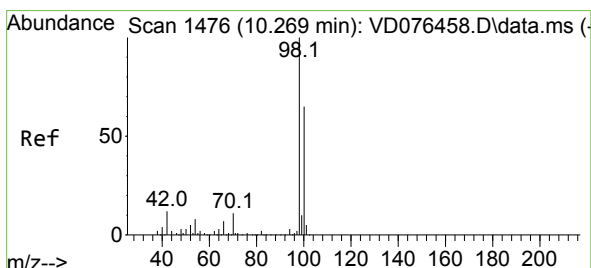
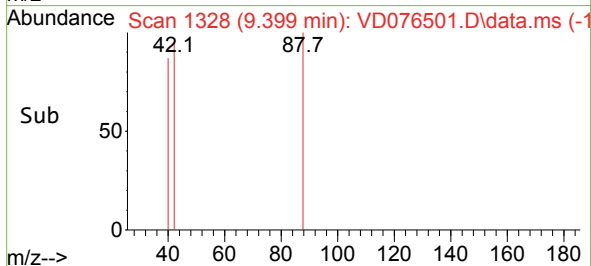
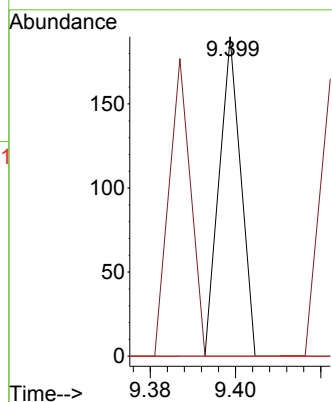
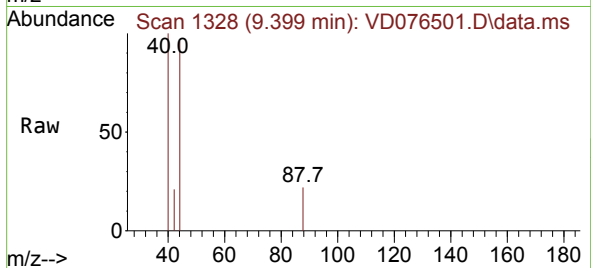
Tgt Ion: 88 Resp: 67

Ion Ratio Lower Upper

88 100

43 92.5 19.0 28.6#

58 0.0 43.5 65.3#



#50

Toluene-d8

Concen: 43.812 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD076501.D

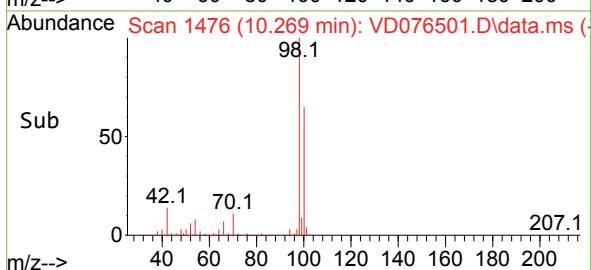
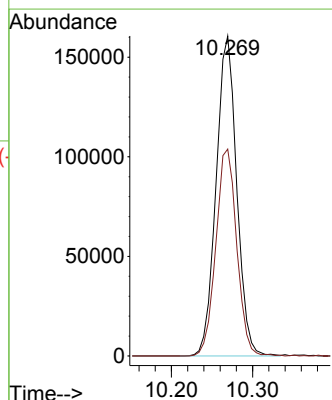
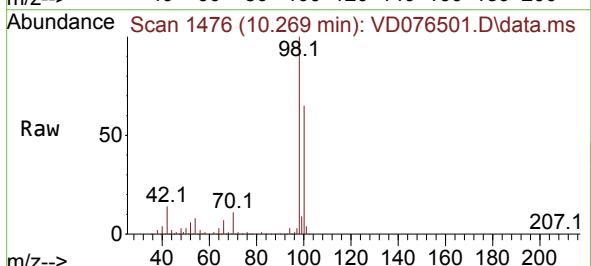
Acq: 20 Jun 2023 19:48

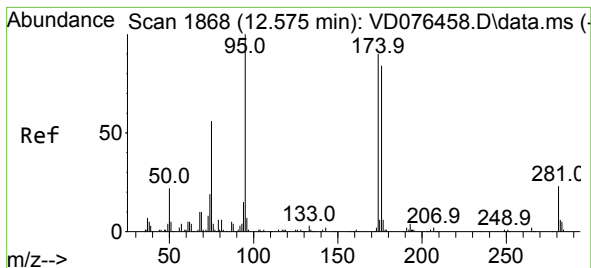
Tgt Ion: 98 Resp: 283605

Ion Ratio Lower Upper

98 100

100 65.6 50.3 75.5

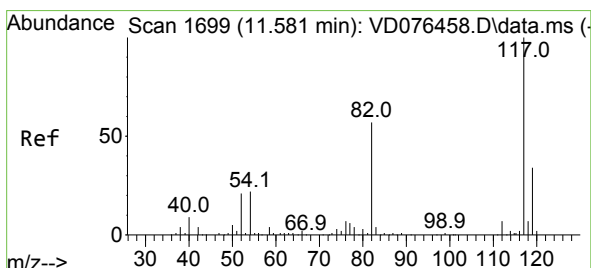
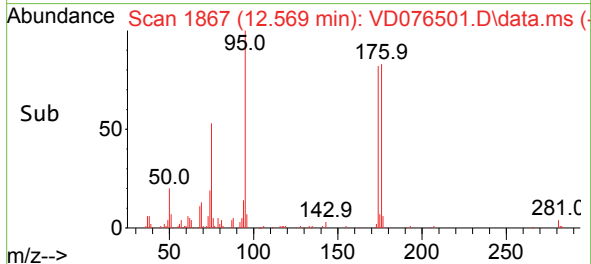
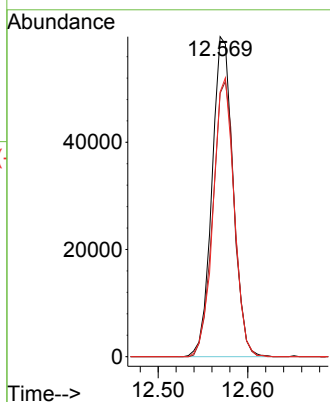
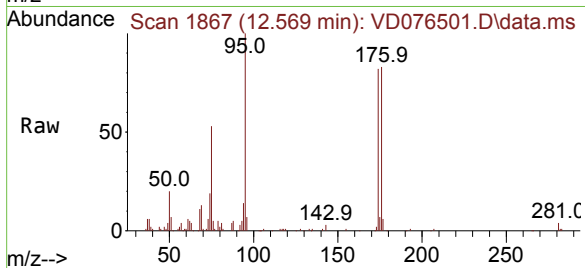




#62
4-Bromofluorobenzene
Concen: 46.535 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD076501.D
Acq: 20 Jun 2023 19:48

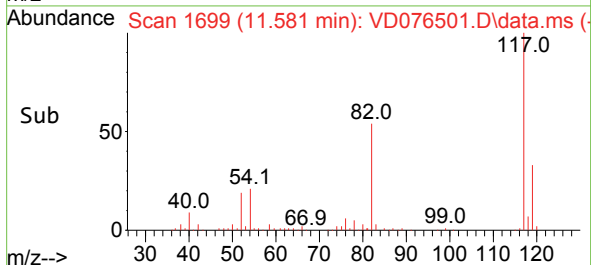
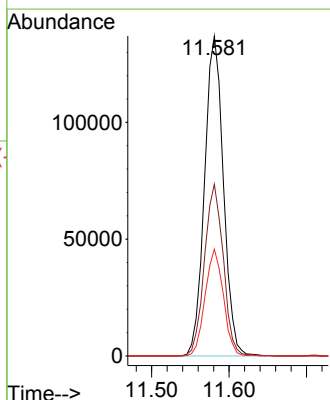
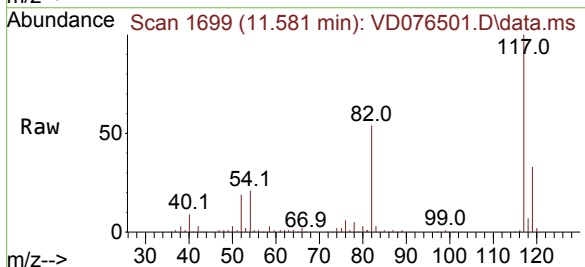
Instrument :
MSVOA_D
ClientSampleId :
HD-02-061623

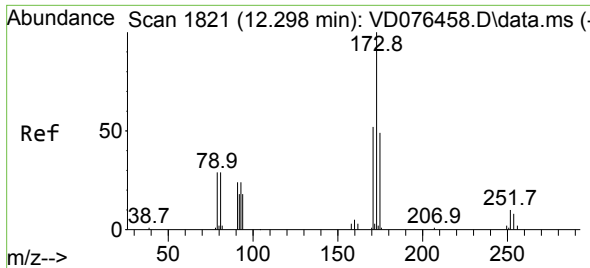
Tgt Ion:	95	Resp:	97764
Ion	Ratio	Lower	Upper
95	100		
174	87.0	0.0	201.8
176	86.3	0.0	191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD076501.D
Acq: 20 Jun 2023 19:48

Tgt Ion:	117	Resp:	232012
Ion	Ratio	Lower	Upper
117	100		
82	53.7	38.3	57.5
119	33.4	25.0	37.4

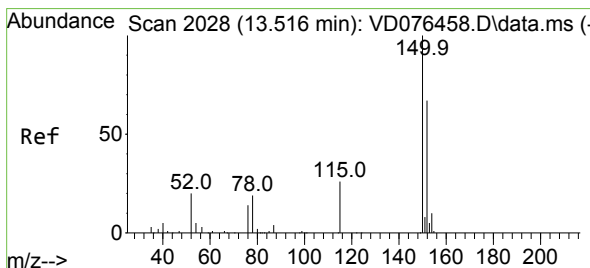
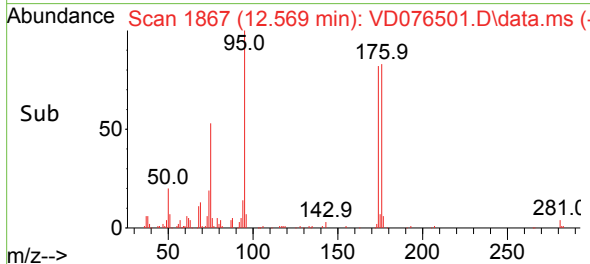
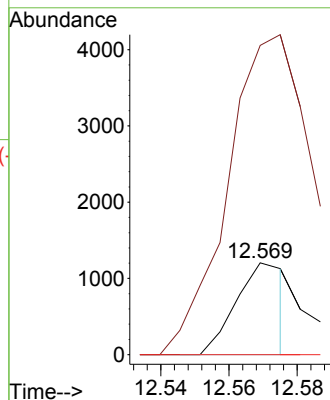
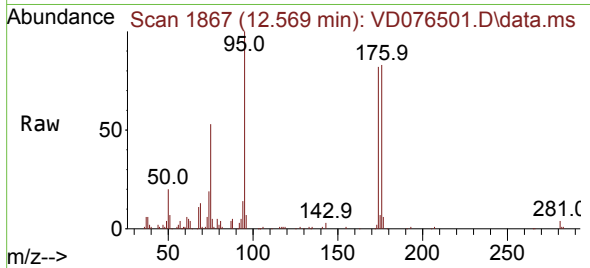




#71
Bromoform
Concen: 1.279 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.271 min
Lab File: VD076501.D
Acq: 20 Jun 2023 19:48

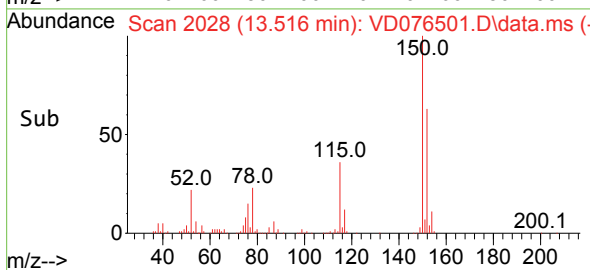
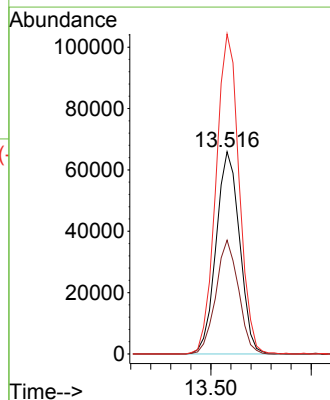
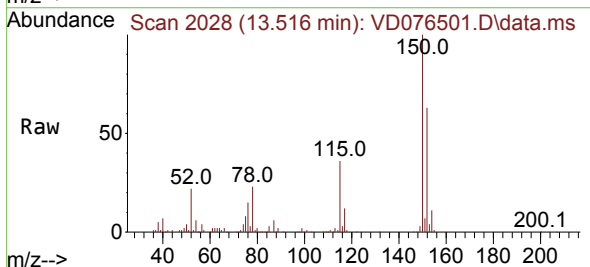
Instrument :
MSVOA_D
ClientSampleId :
HD-02-061623

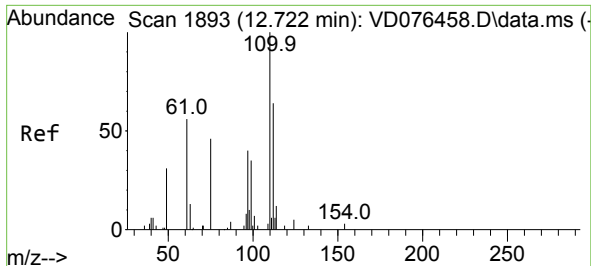
Tgt Ion:173 Resp: 1211
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.000 min
Lab File: VD076501.D
Acq: 20 Jun 2023 19:48

Tgt Ion:152 Resp: 107058
Ion Ratio Lower Upper
152 100
115 54.3 27.1 81.3
150 156.1 0.0 353.6

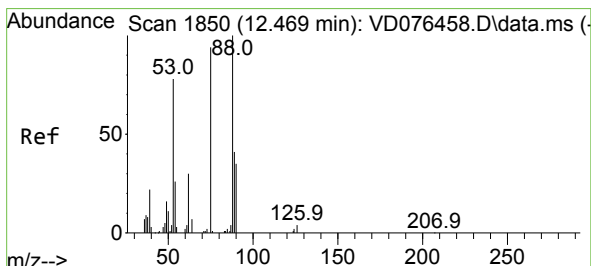
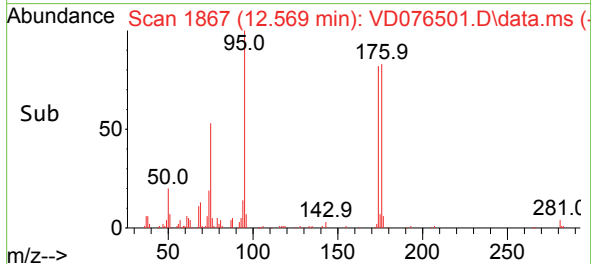
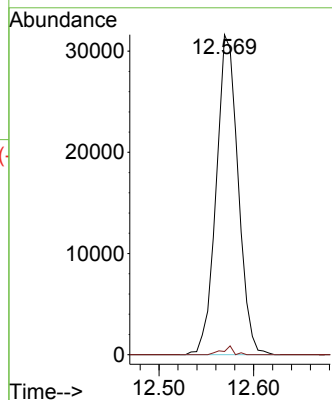
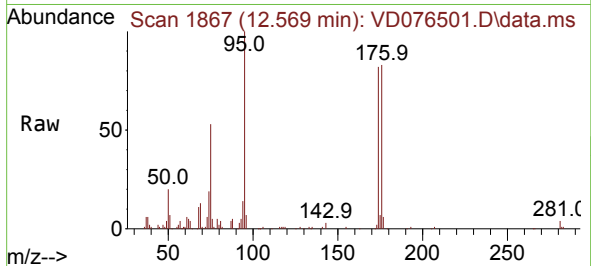




#76
1,2,3-Trichloropropane
Concen: 47.840 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD076501.D
Acq: 20 Jun 2023 19:48

Instrument :
MSVOA_D
ClientSampleId :
HD-02-061623

Tgt Ion: 75 Resp: 50831
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 104.828 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD076501.D
Acq: 20 Jun 2023 19:48

Tgt Ion: 75 Resp: 50831
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.2 37.9 56.9#

