

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122823\
 Data File : VD078094.D
 Acq On : 28 Dec 2023 15:58
 Operator : RP/MD
 Sample : 06035-01
 Misc : 5.02G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-5-122723

Quant Time: Dec 28 22:26:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122623S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 27 03:40:16 2023
 Response via : Initial Calibration

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

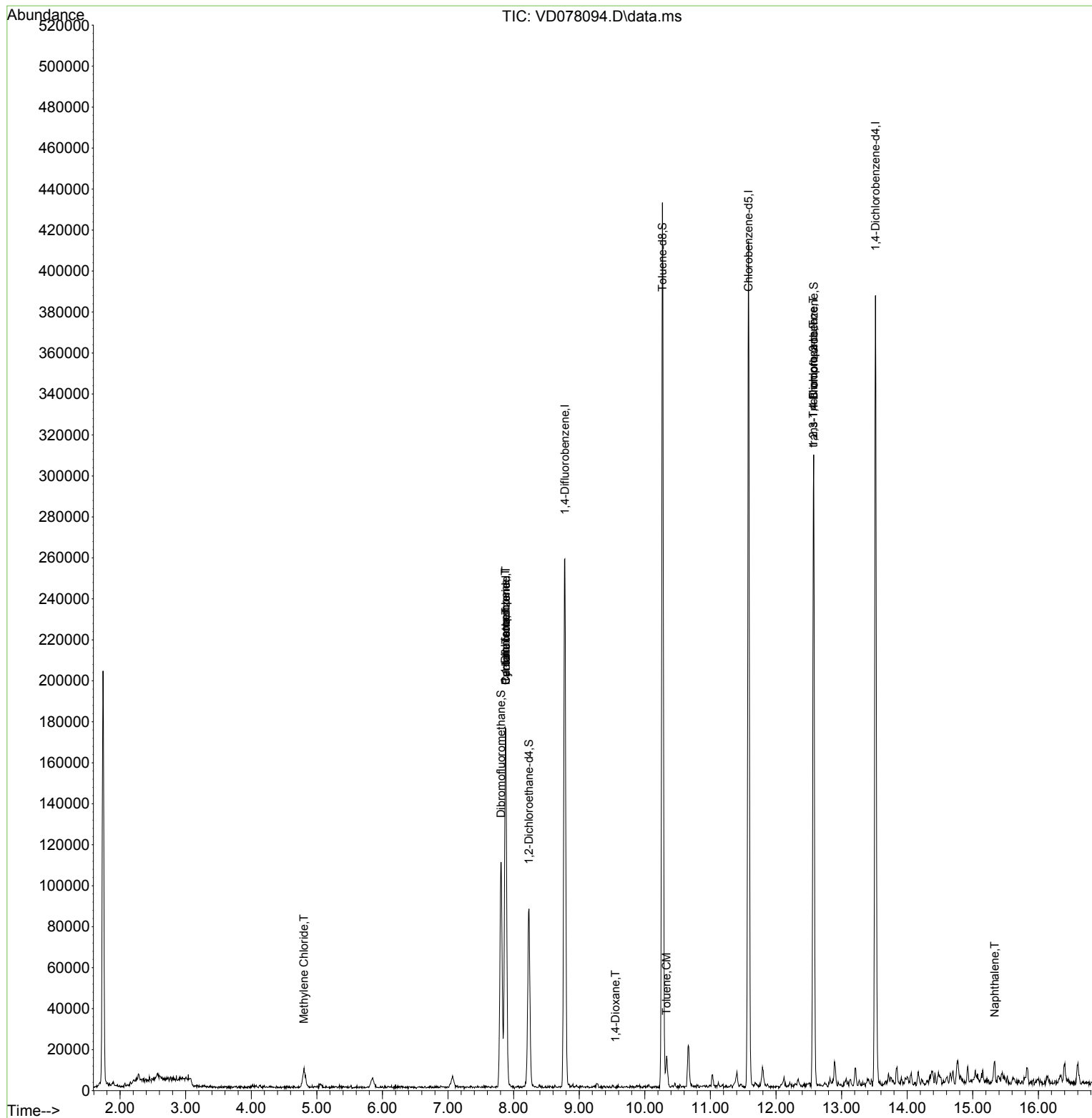
Internal Standards						
1) Pentafluorobenzene	7.881	168	144566	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	245246	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	242464	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	107912	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	67415	52.410	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.820%	
35) Dibromofluoromethane	7.811	113	80430	50.970	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.940%	
50) Toluene-d8	10.269	98	303351	54.634	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 109.260%	
62) 4-Bromofluorobenzene	12.575	95	92108	51.556	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 103.120%	
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.040	59	938	Below Cal	#	56
16) Acetone	4.023	43	883	Below Cal	#	80
20) Methylene Chloride	4.805	84	7137	1.437	ug/l #	88
25) 2-Butanone	7.064	43	155	Below Cal	#	37
31) Cyclohexane	7.881	56	3228	1.573	ug/l #	59
36) 1,1-Dichloropropene	7.875	75	9769	4.400	ug/l #	48
38) Carbon Tetrachloride	7.881	117	14100	5.861	ug/l #	16
49) 1,4-Dioxane	9.552	88	54	6.290	ug/l #	1
52) Toluene	10.328	92	5594	1.348	ug/l	95
76) 1,2,3-Trichloropropane	12.569	75	47124	51.761	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	47124	111.533	ug/l #	18
95) Naphthalene	15.334	128	9122	2.554	ug/l #	95

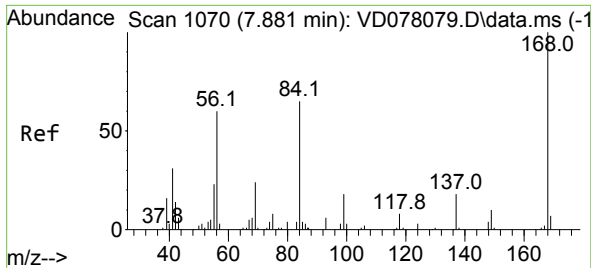
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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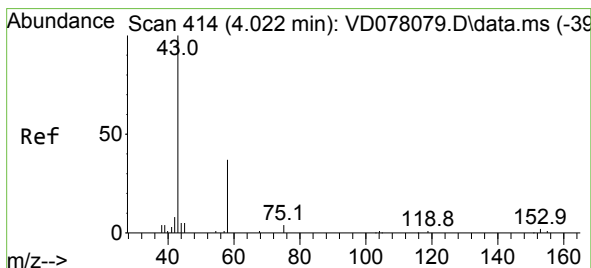
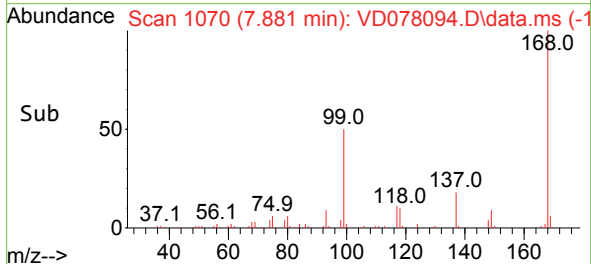
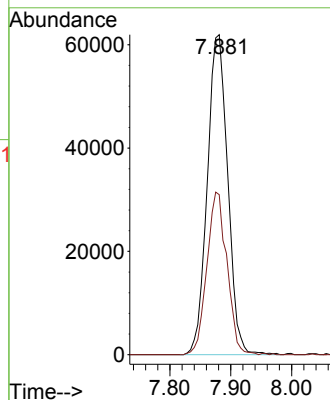
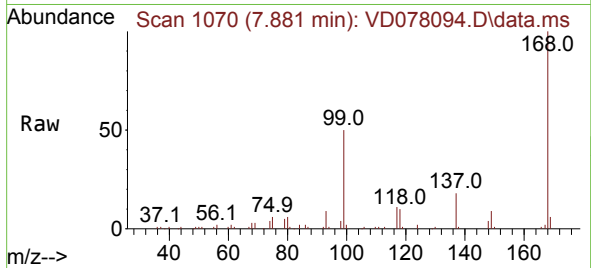




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD078094.D
Acq: 28 Dec 2023 15:58

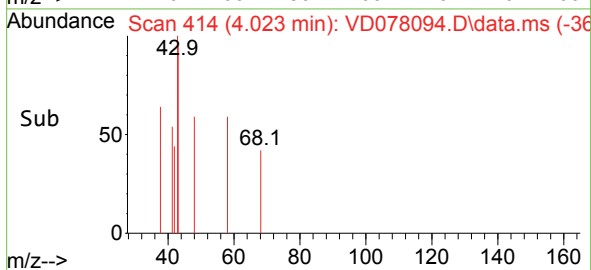
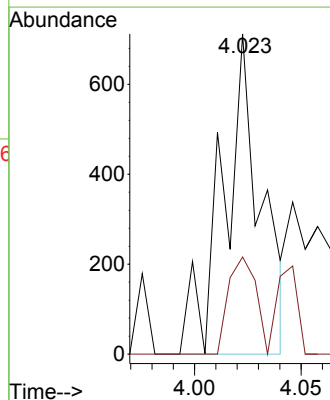
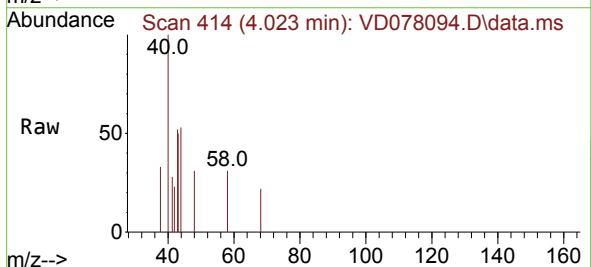
Instrument :
MSVOA_D
ClientSampleId :
TR-5-122723

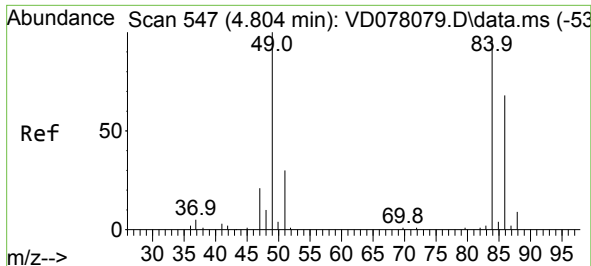
Tgt Ion:168 Resp: 144566
Ion Ratio Lower Upper
168 100
99 50.0 36.7 55.1



#16
Acetone
Concen: Below Cal
RT: 4.023 min Scan# 414
Delta R.T. 0.001 min
Lab File: VD078094.D
Acq: 28 Dec 2023 15:58

Tgt Ion: 43 Resp: 883
Ion Ratio Lower Upper
43 100
58 30.3 34.7 52.1#

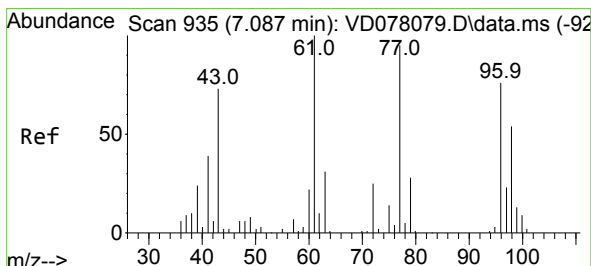
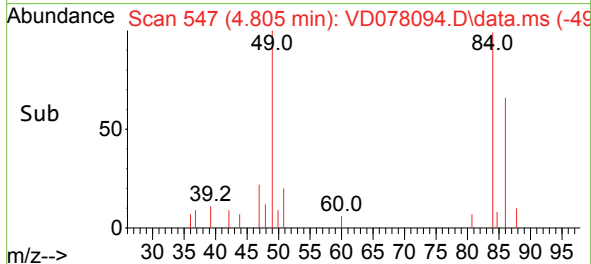
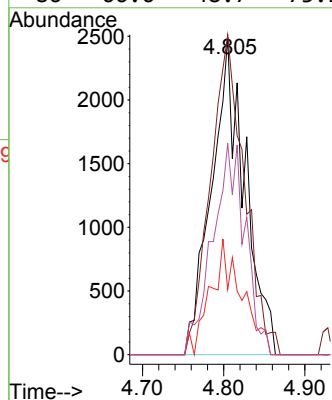
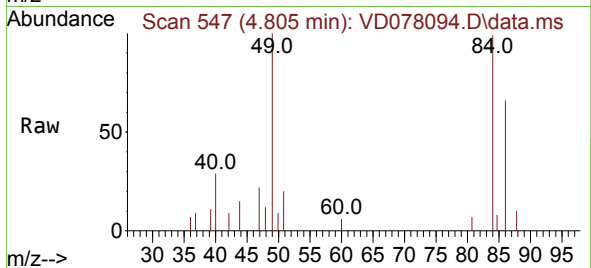




#20
Methylene Chloride
Concen: 1.437 ug/l
RT: 4.805 min Scan# 54
Delta R.T. 0.001 min
Lab File: VD078094.D
Acq: 28 Dec 2023 15:58

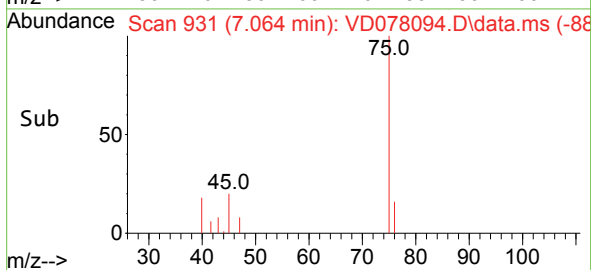
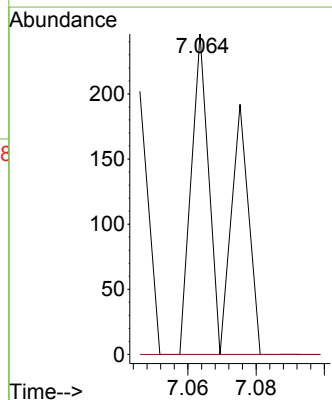
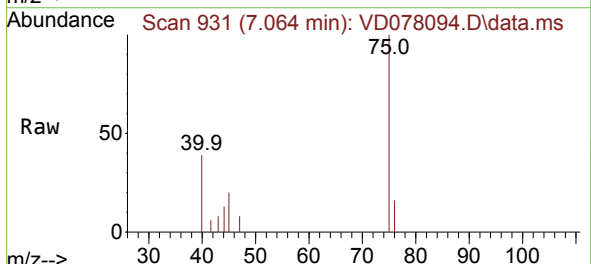
Instrument :
MSVOA_D
ClientSampleId :
TR-5-122723

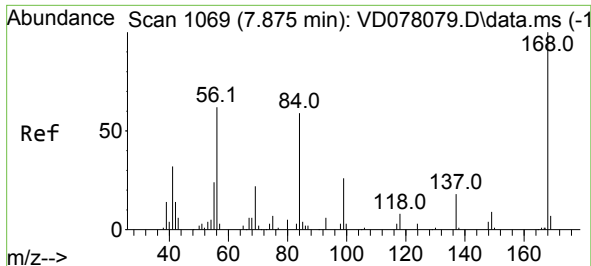
Tgt Ion:	84	Resp:	7137
Ion	Ratio	Lower	Upper
84	100		
49	100.8	71.4	107.2
51	20.5	24.5	36.7#
86	66.6	48.7	73.1



#25
2-Butanone
Concen: Below Cal
RT: 7.064 min Scan# 931
Delta R.T. -0.023 min
Lab File: VD078094.D
Acq: 28 Dec 2023 15:58

Tgt Ion:	43	Resp:	155
Ion	Ratio	Lower	Upper
43	100		
72	0.0	30.7	46.1#

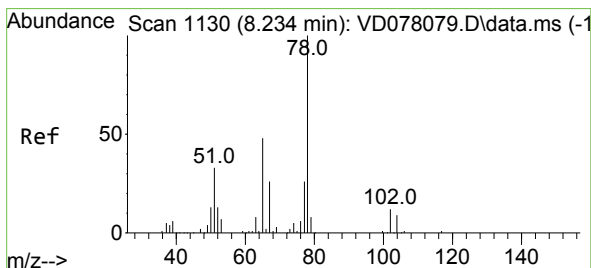
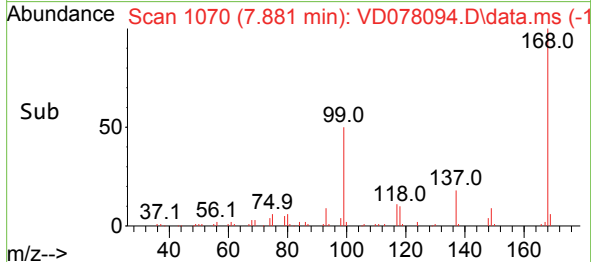
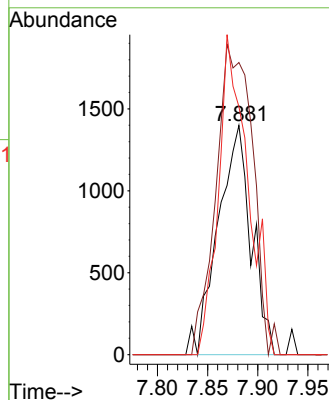
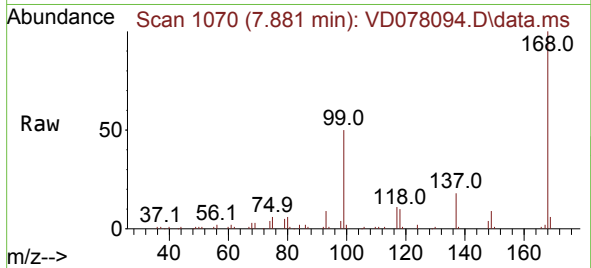




#31
Cyclohexane
Concen: 1.573 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD078094.D
Acq: 28 Dec 2023 15:58

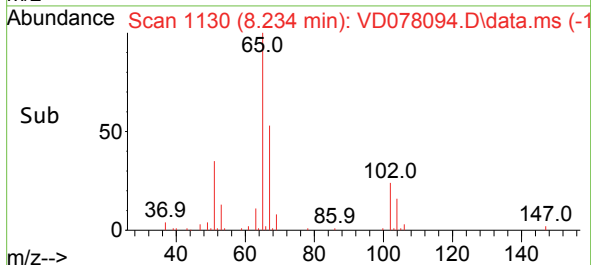
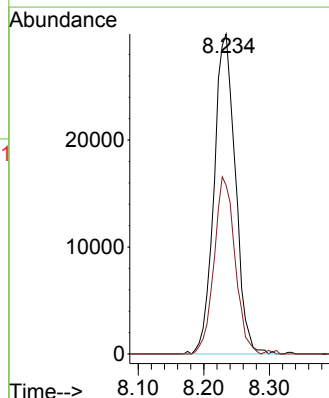
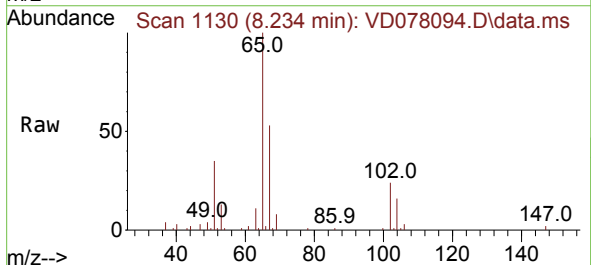
Instrument :
MSVOA_D
ClientSampleId :
TR-5-122723

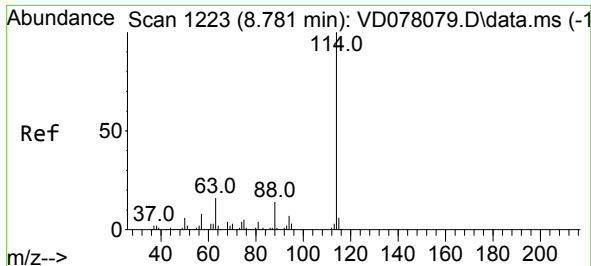
Tgt Ion: 56 Resp: 3228
Ion Ratio Lower Upper
56 100
69 127.4 28.6 43.0#
84 108.2 84.8 127.2



#33
1,2-Dichloroethane-d4
Concen: 52.410 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VD078094.D
Acq: 28 Dec 2023 15:58

Tgt Ion: 65 Resp: 67415
Ion Ratio Lower Upper
65 100
67 54.4 0.0 115.0

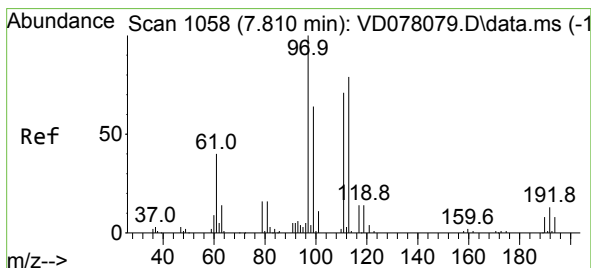
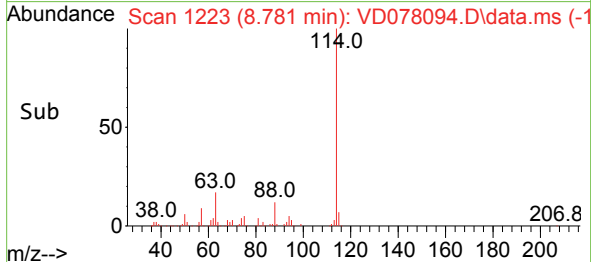
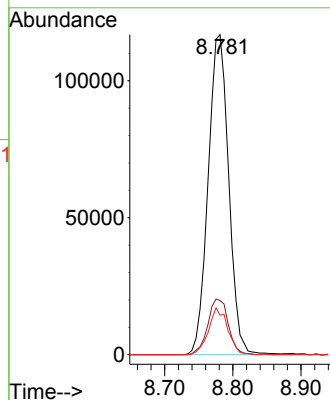
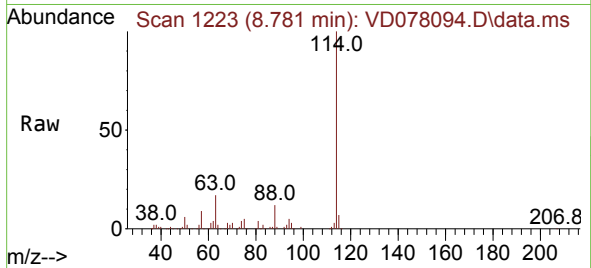




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD078094.D
Acq: 28 Dec 2023 15:58

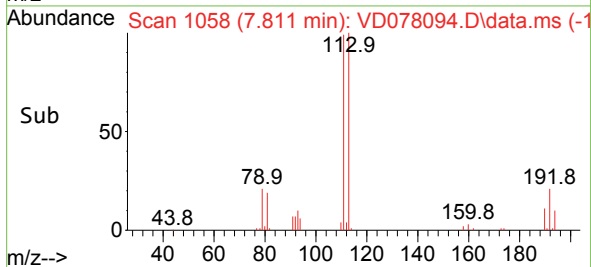
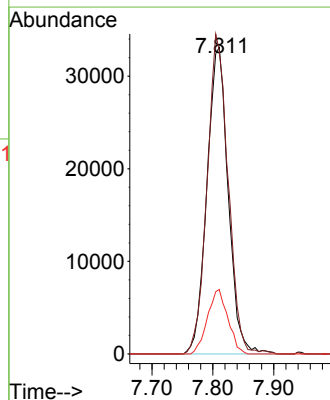
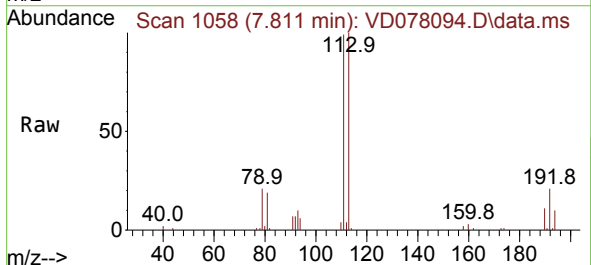
Instrument :
MSVOA_D
ClientSampleId :
TR-5-122723

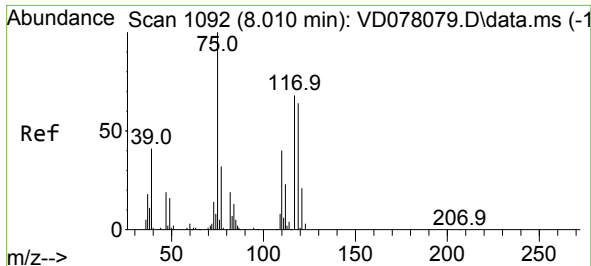
Tgt Ion:114 Resp: 245246
Ion Ratio Lower Upper
114 100
63 16.9 0.0 33.4
88 12.3 0.0 26.2



#35
Dibromofluoromethane
Concen: 50.970 ug/l
RT: 7.811 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VD078094.D
Acq: 28 Dec 2023 15:58

Tgt Ion:113 Resp: 80430
Ion Ratio Lower Upper
113 100
111 103.0 84.7 127.1
192 20.1 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.400 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD078094.D

Acq: 28 Dec 2023 15:58

Instrument :

MSVOA_D

ClientSampleId :

TR-5-122723

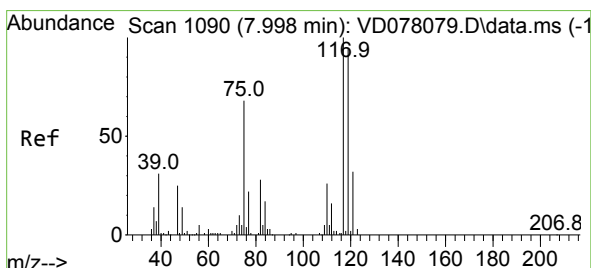
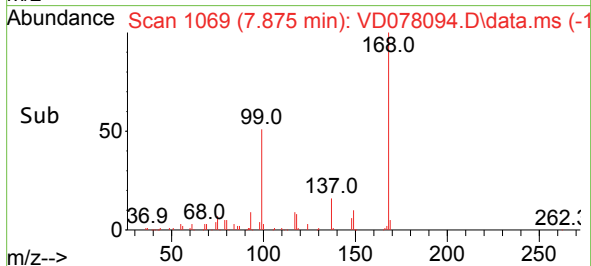
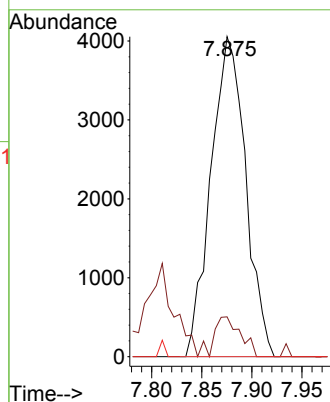
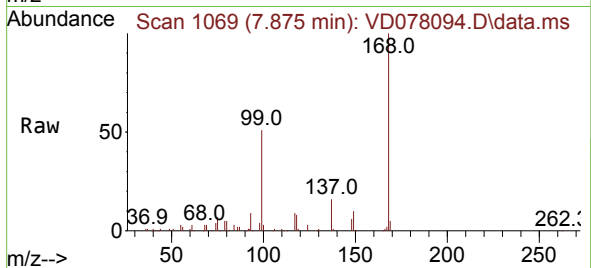
Tgt Ion: 75 Resp: 9769

Ion Ratio Lower Upper

75 100

110 9.6 19.9 59.6#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.861 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.117 min

Lab File: VD078094.D

Acq: 28 Dec 2023 15:58

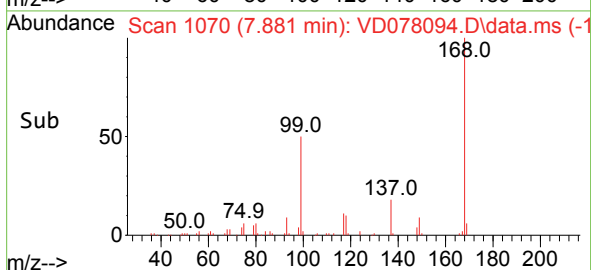
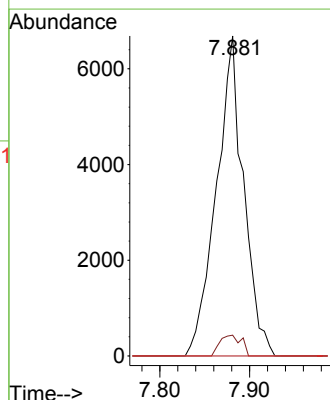
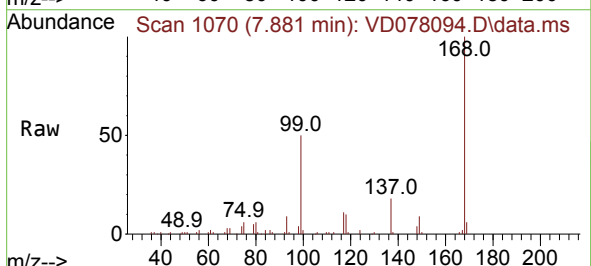
Tgt Ion: 117 Resp: 14100

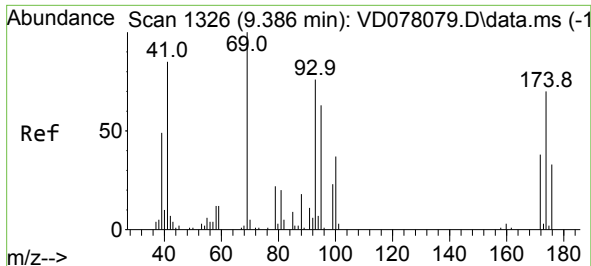
Ion Ratio Lower Upper

117 100

119 6.5 78.0 117.0#

121 0.0 24.2 36.2#





#49

1,4-Dioxane

Concen: 6.290 ug/l

RT: 9.552 min Scan# 1354

Delta R.T. 0.165 min

Lab File: VD078094.D

Acq: 28 Dec 2023 15:58

Instrument :

MSVOA_D

ClientSampleId :

TR-5-122723

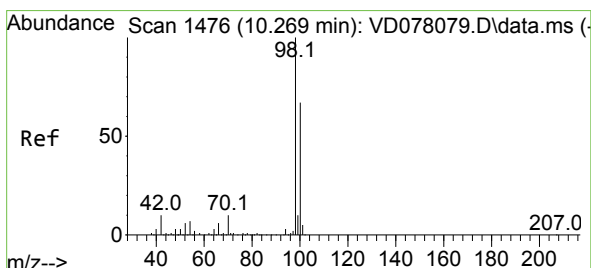
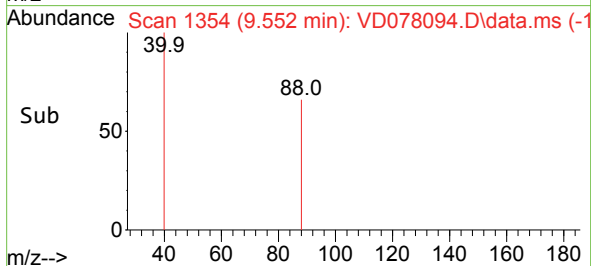
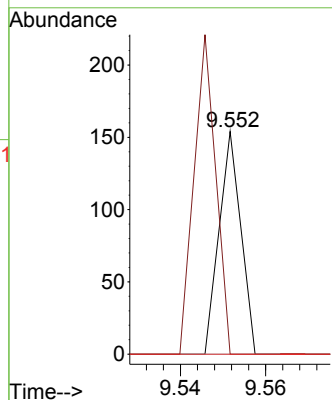
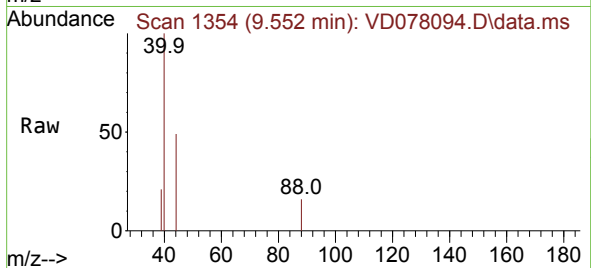
Tgt Ion: 88 Resp: 54

Ion Ratio Lower Upper

88 100

43 144.4 19.0 28.6#

58 0.0 43.5 65.3#



#50

Toluene-d8

Concen: 54.634 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD078094.D

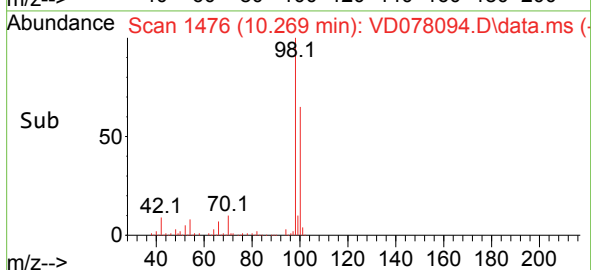
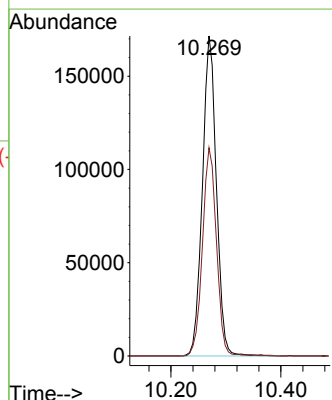
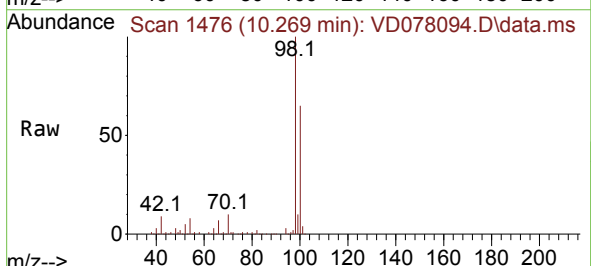
Acq: 28 Dec 2023 15:58

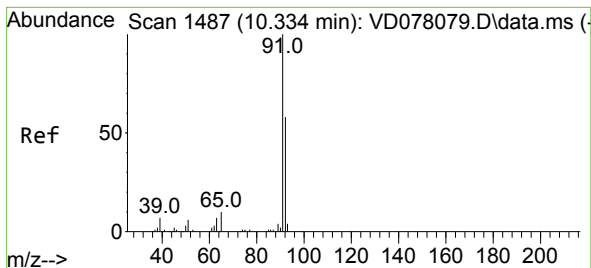
Tgt Ion: 98 Resp: 303351

Ion Ratio Lower Upper

98 100

100 64.8 50.3 75.5





#52

Toluene

Concen: 1.348 ug/l

RT: 10.328 min Scan# 1487

Delta R.T. -0.005 min

Lab File: VD078094.D

Acq: 28 Dec 2023 15:58

Instrument :

MSVOA_D

ClientSampleId :

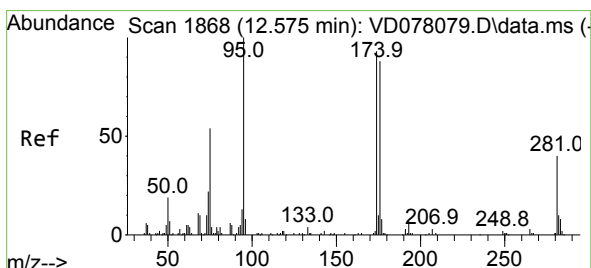
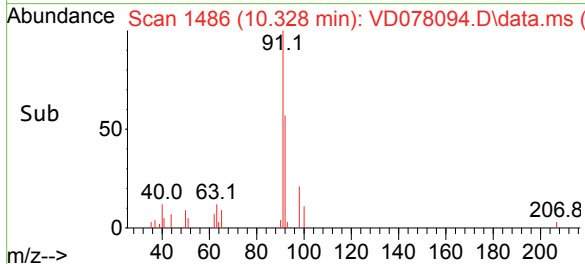
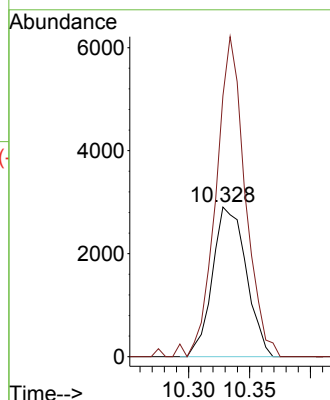
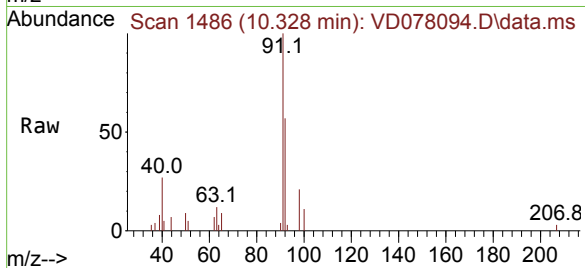
TR-5-122723

Tgt Ion: 92 Resp: 5594

Ion Ratio Lower Upper

92 100

91 185.9 143.0 214.4



#62

4-Bromofluorobenzene

Concen: 51.556 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.000 min

Lab File: VD078094.D

Acq: 28 Dec 2023 15:58

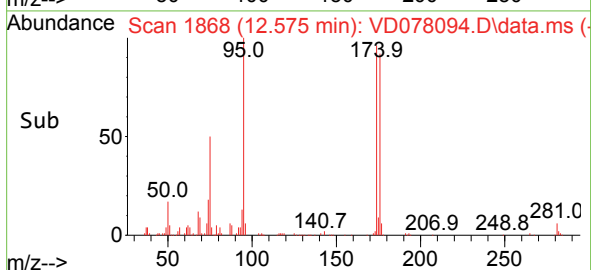
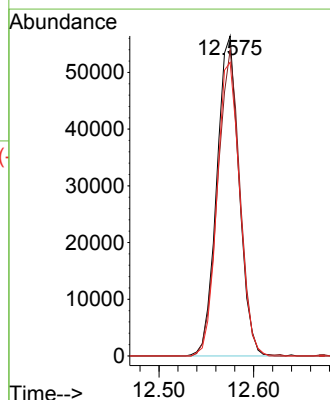
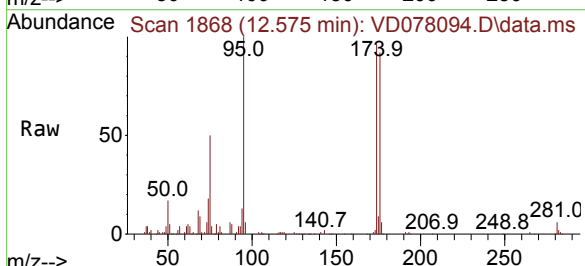
Tgt Ion: 95 Resp: 92108

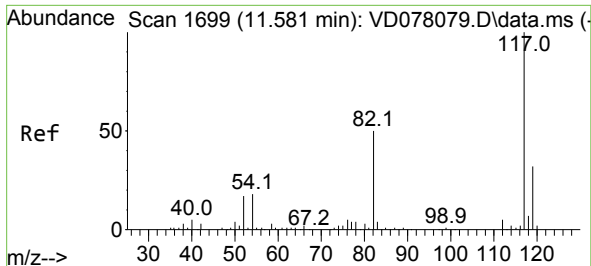
Ion Ratio Lower Upper

95 100

174 95.8 0.0 201.8

176 93.9 0.0 191.8

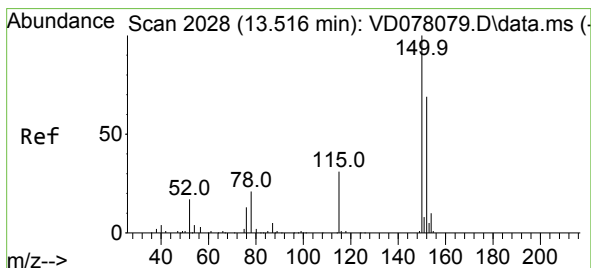
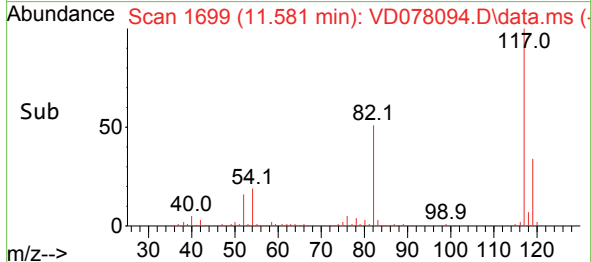
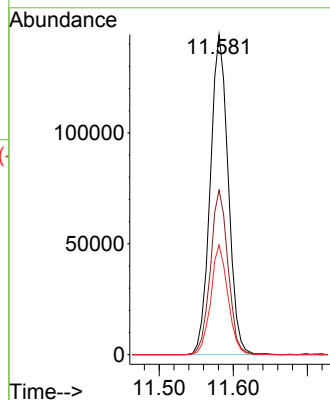
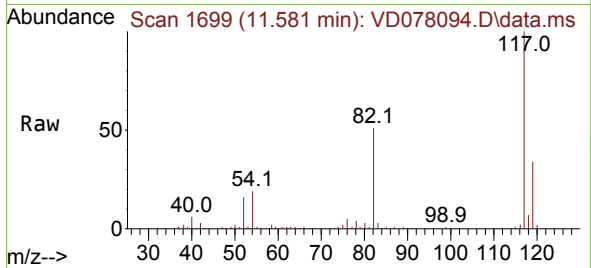




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD078094.D
Acq: 28 Dec 2023 15:58

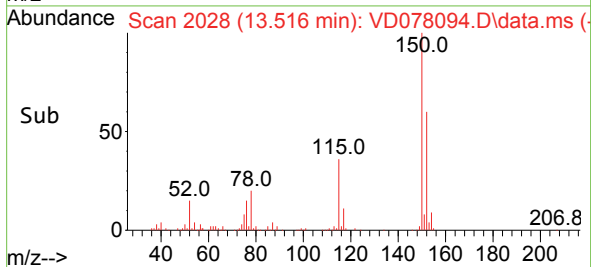
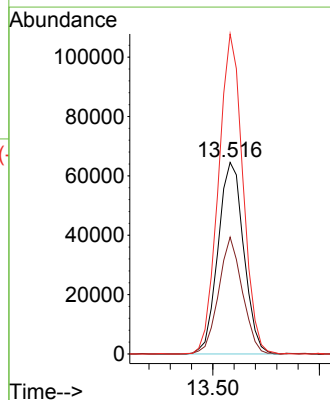
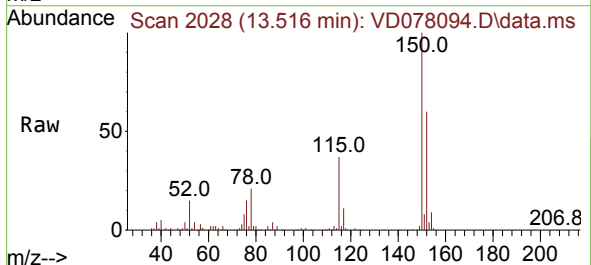
Instrument :
MSVOA_D
ClientSampleId :
TR-5-122723

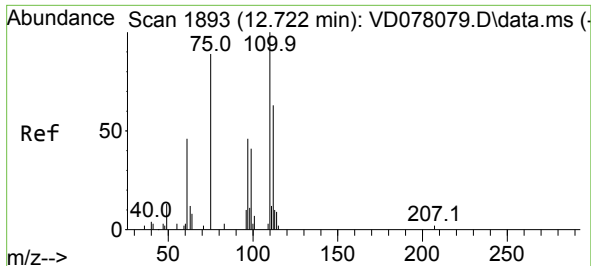
Tgt Ion:117 Resp: 242464
Ion Ratio Lower Upper
117 100
82 51.4 38.3 57.5
119 34.3 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.000 min
Lab File: VD078094.D
Acq: 28 Dec 2023 15:58

Tgt Ion:152 Resp: 107912
Ion Ratio Lower Upper
152 100
115 56.3 27.1 81.3
150 159.4 0.0 353.6

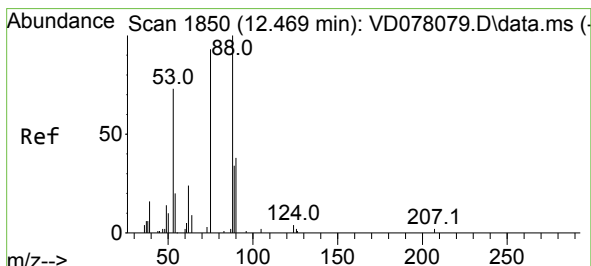
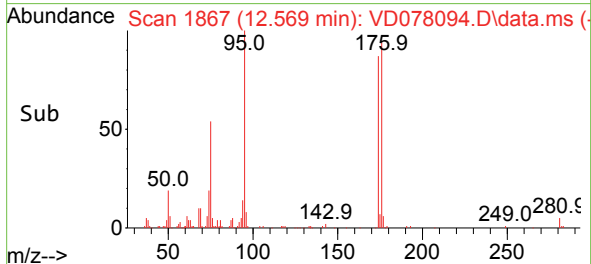
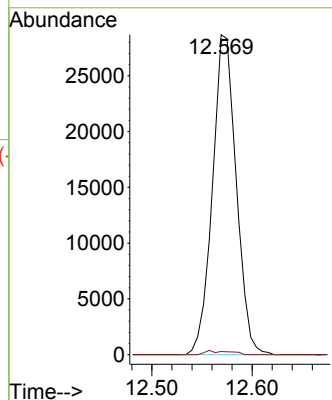
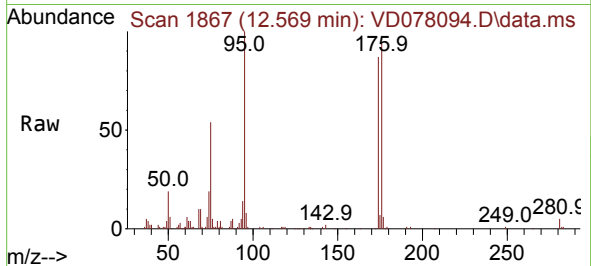




#76
1,2,3-Trichloropropane
Concen: 51.761 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD078094.D
Acq: 28 Dec 2023 15:58

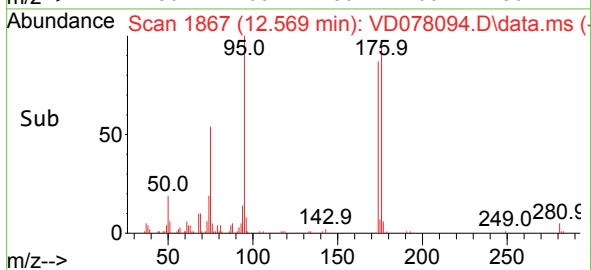
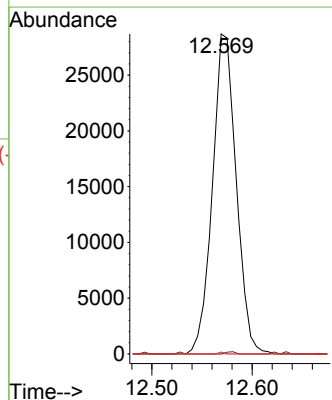
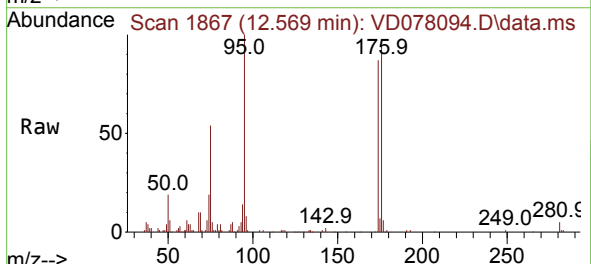
Instrument :
MSVOA_D
ClientSampleId :
TR-5-122723

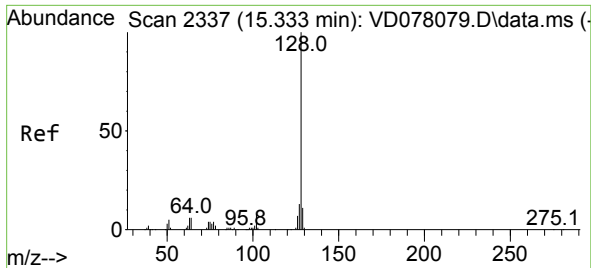
Tgt Ion: 75 Resp: 47124
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 111.533 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD078094.D
Acq: 28 Dec 2023 15:58

Tgt Ion: 75 Resp: 47124
Ion Ratio Lower Upper
75 100
53 0.3 63.0 94.4#
89 0.1 37.9 56.9#





#95

Naphthalene

Concen: 2.554 ug/l

RT: 15.334 min Scan# 21

Delta R.T. 0.000 min

Lab File: VD078094.D

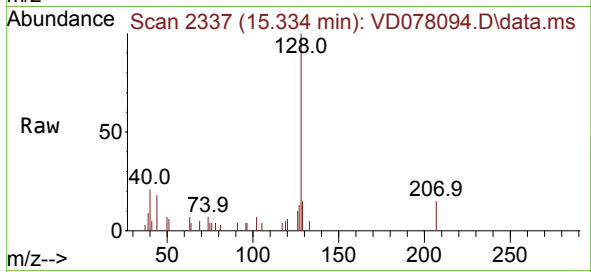
Acq: 28 Dec 2023 15:58

Instrument :

MSVOA_D

ClientSampleId :

TR-5-122723



Tgt Ion:	128	Resp:	9122
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	15.1	8.7	13.1#

