

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122923\
 Data File : VD078110.D
 Acq On : 29 Dec 2023 16:05
 Operator : RP/MD
 Sample : 06038-09
 Misc : 5.09G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 T-703

Quant Time: Dec 29 22:36:42 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)

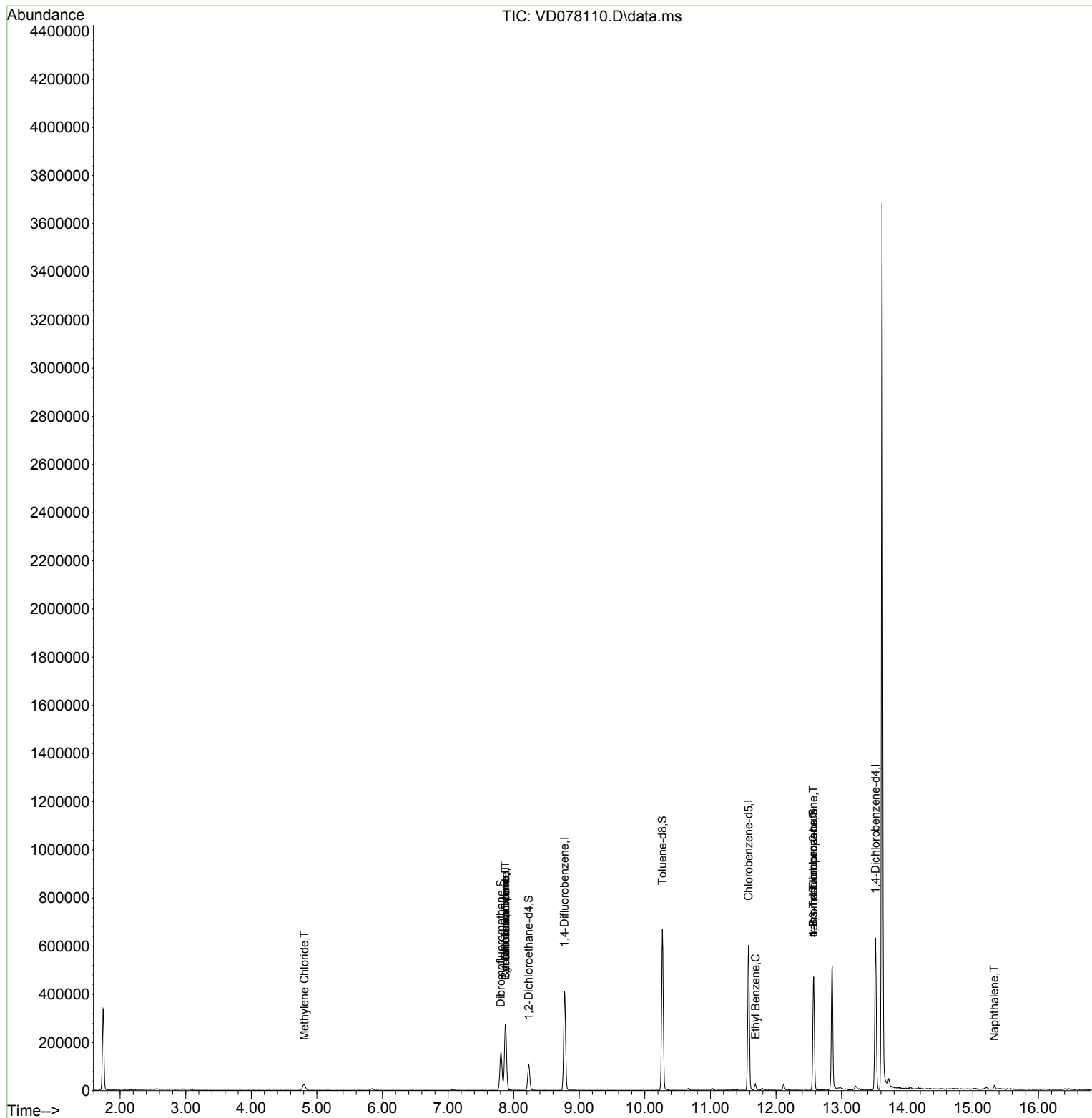
Internal Standards						
1) Pentafluorobenzene	7.875	168	225545	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	383949	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	365762	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	177966	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	84072	41.893	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	83.780%
35) Dibromofluoromethane	7.804	113	114464	46.333	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.660%
50) Toluene-d8	10.269	98	471507	54.241	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	108.480%
62) 4-Bromofluorobenzene	12.569	95	143543	51.321	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	102.640%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.810	59	64	Below Cal	#	73
16) Acetone	4.016	43	119	Below Cal	#	32
20) Methylene Chloride	4.810	84	19999	5.286	ug/l #	89
25) 2-Butanone	7.081	43	122	Below Cal	#	37
31) Cyclohexane	7.875	56	4214	1.316	ug/l #	33
36) 1,1-Dichloropropene	7.875	75	16336	4.700	ug/l #	47
38) Carbon Tetrachloride	7.875	117	21277	5.649	ug/l #	15
67) Ethyl Benzene	11.686	91	18998	1.402	ug/l	96
76) 1,2,3-Trichloropropane	12.569	75	70468	46.934	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	70468	101.131	ug/l #	17
95) Naphthalene	15.327	128	13414	2.278	ug/l #	91

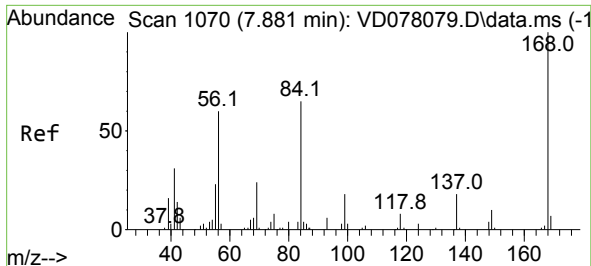
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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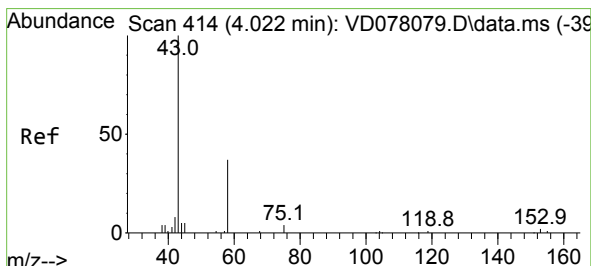
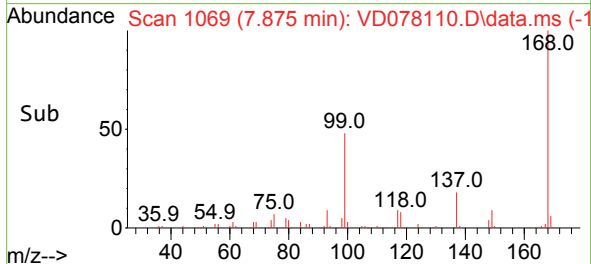
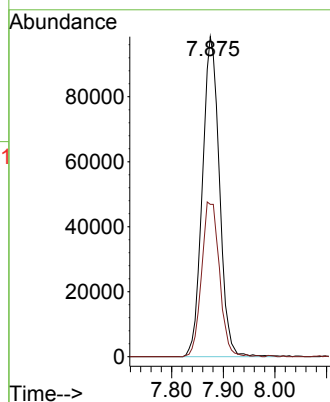
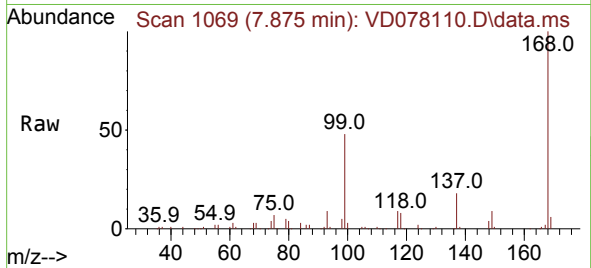




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1070
Delta R.T. -0.006 min
Lab File: VD078110.D
Acq: 29 Dec 2023 16:05

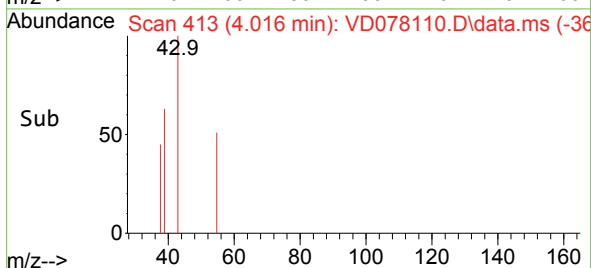
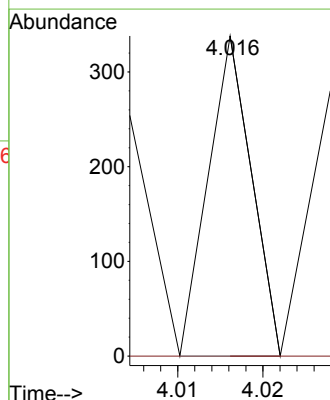
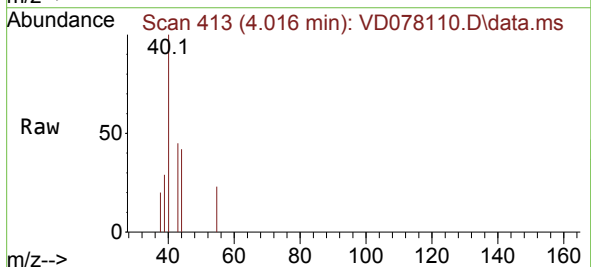
Instrument :
MSVOA_D
ClientSampleId :
T-703

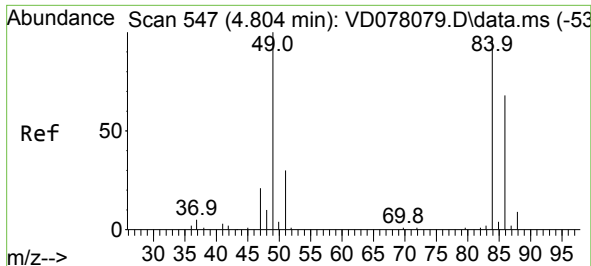
Tgt Ion:168 Resp: 225545
Ion Ratio Lower Upper
168 100
99 47.6 36.7 55.1



#16
Acetone
Concen: Below Cal
RT: 4.016 min Scan# 413
Delta R.T. -0.006 min
Lab File: VD078110.D
Acq: 29 Dec 2023 16:05

Tgt Ion: 43 Resp: 119
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#

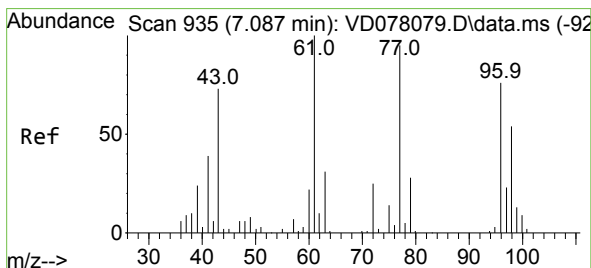
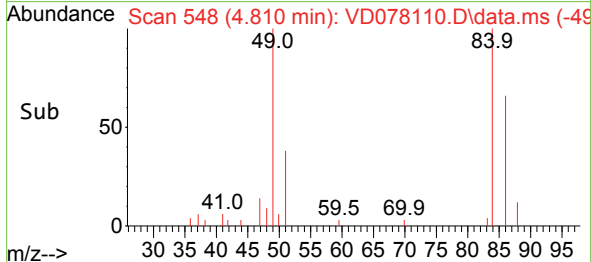
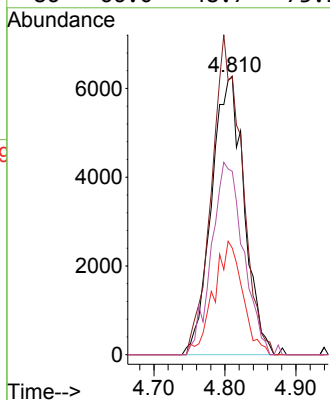
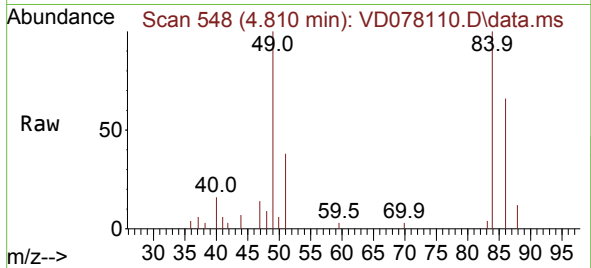




#20
Methylene Chloride
Concen: 5.286 ug/l
RT: 4.810 min Scan# 54
Delta R.T. 0.006 min
Lab File: VD078110.D
Acq: 29 Dec 2023 16:05

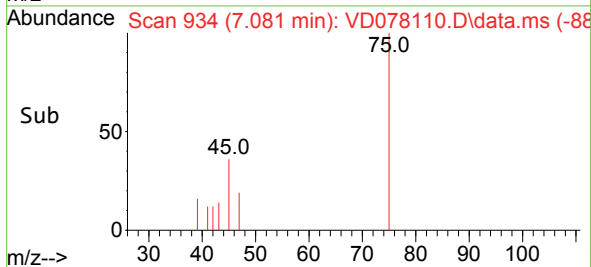
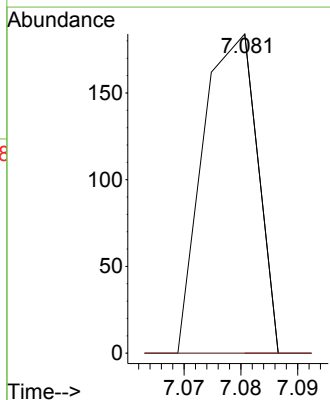
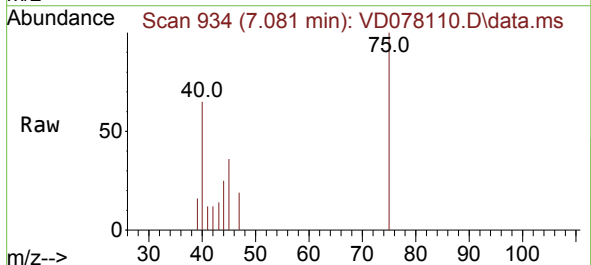
Instrument :
MSVOA_D
ClientSampleId :
T-703

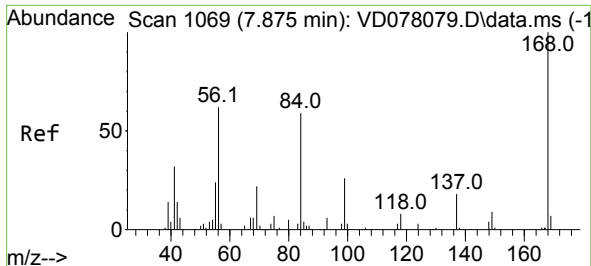
Tgt Ion: 84	Resp: 19999
Ion Ratio	Lower Upper
84	100
49	100.4 71.4 107.2
51	38.4 24.5 36.7#
86	66.0 48.7 73.1



#25
2-Butanone
Concen: Below Cal
RT: 7.081 min Scan# 934
Delta R.T. -0.006 min
Lab File: VD078110.D
Acq: 29 Dec 2023 16:05

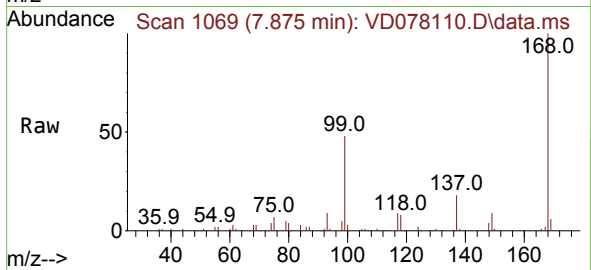
Tgt Ion: 43	Resp: 122
Ion Ratio	Lower Upper
43	100
72	0.0 30.7 46.1#



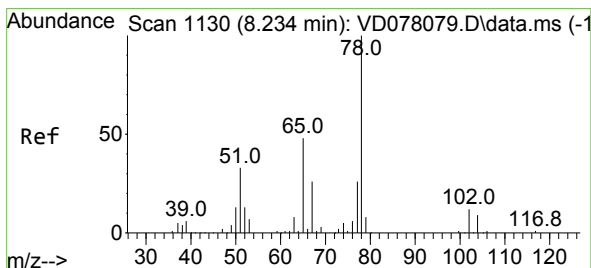
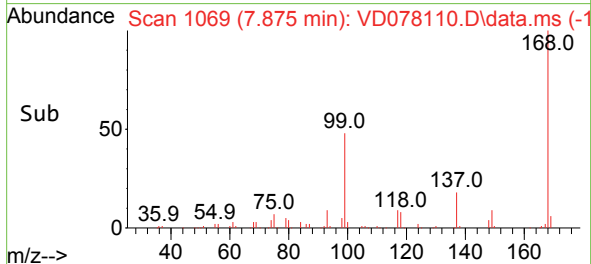
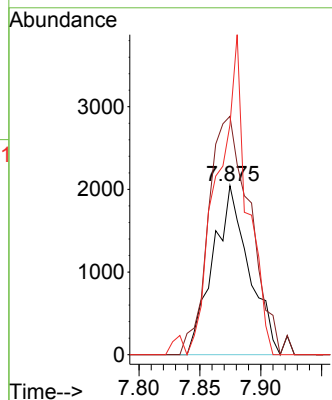


#31
Cyclohexane
Concen: 1.316 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD078110.D
Acq: 29 Dec 2023 16:05

Instrument :
MSVOA_D
ClientSampleId :
T-703

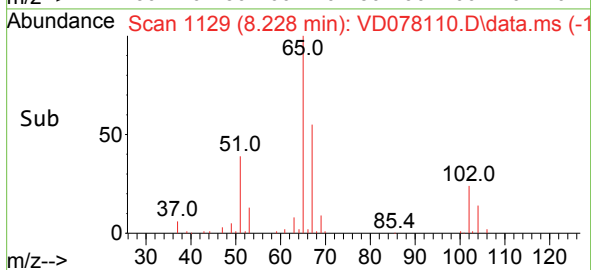
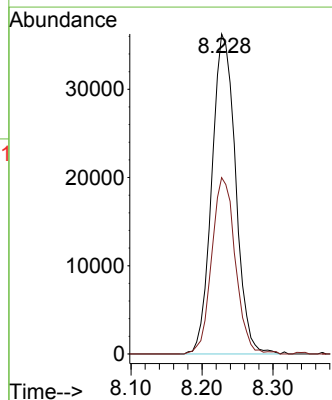
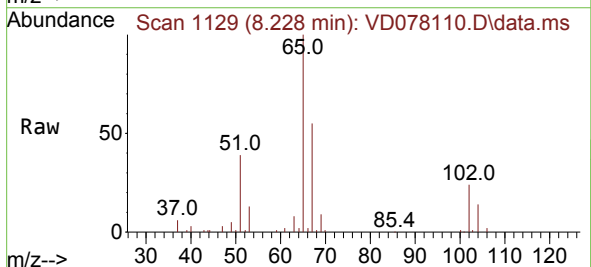


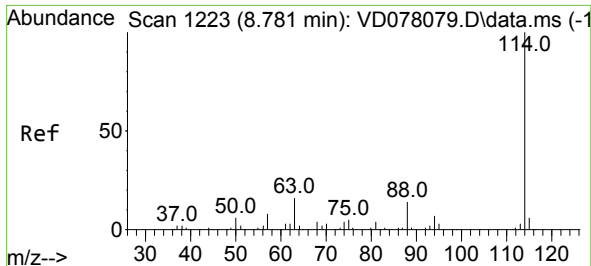
Tgt Ion: 56 Resp: 4214
Ion Ratio Lower Upper
56 100
69 141.1 28.6 43.0#
84 136.1 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 41.893 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD078110.D
Acq: 29 Dec 2023 16:05

Tgt Ion: 65 Resp: 84072
Ion Ratio Lower Upper
65 100
67 54.9 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD078110.D

Acq: 29 Dec 2023 16:05

Instrument :

MSVOA_D

ClientSampleId :

T-703

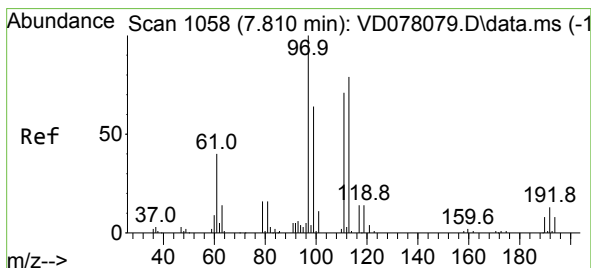
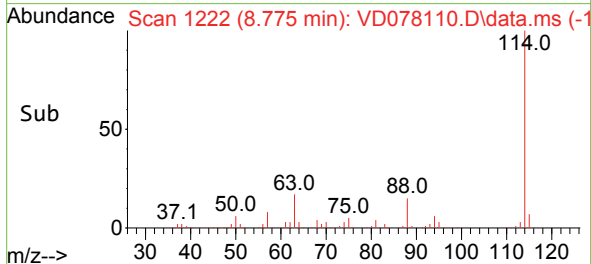
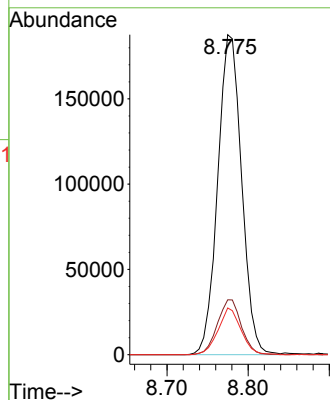
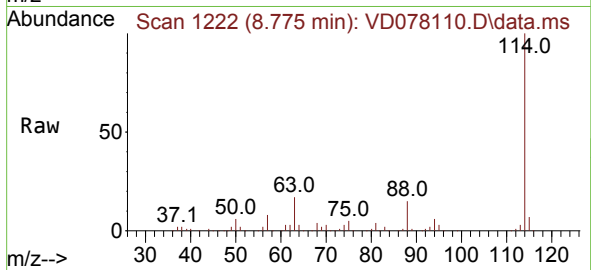
Tgt Ion:114 Resp: 383949

Ion Ratio Lower Upper

114 100

63 17.1 0.0 33.4

88 14.6 0.0 26.2



#35

Dibromofluoromethane

Concen: 46.333 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VD078110.D

Acq: 29 Dec 2023 16:05

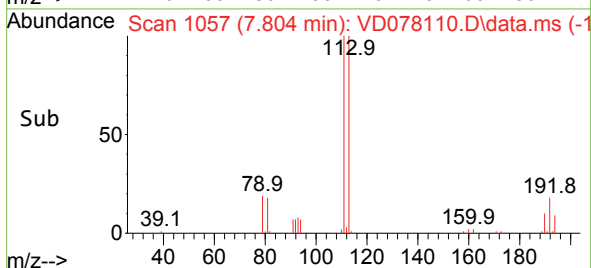
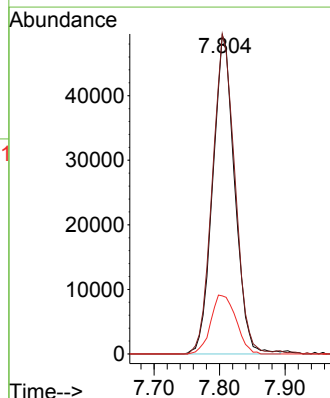
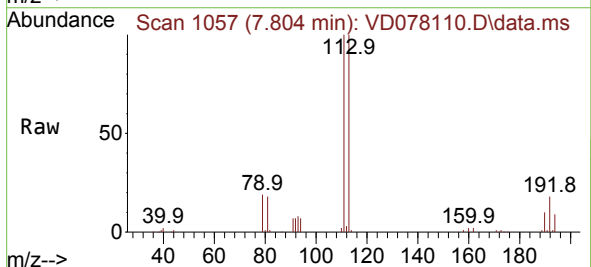
Tgt Ion:113 Resp: 114464

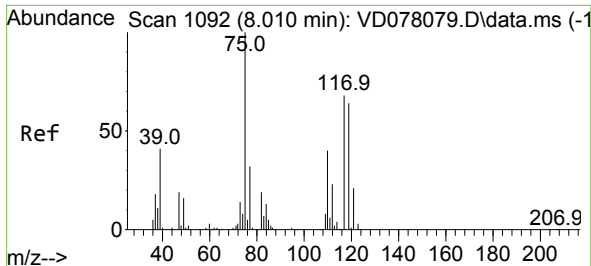
Ion Ratio Lower Upper

113 100

111 103.1 84.7 127.1

192 21.3 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.700 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD078110.D

Acq: 29 Dec 2023 16:05

Instrument :

MSVOA_D

ClientSampleId :

T-703

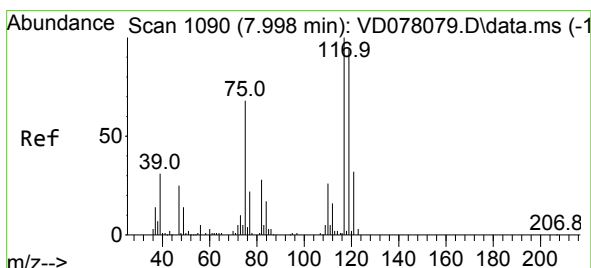
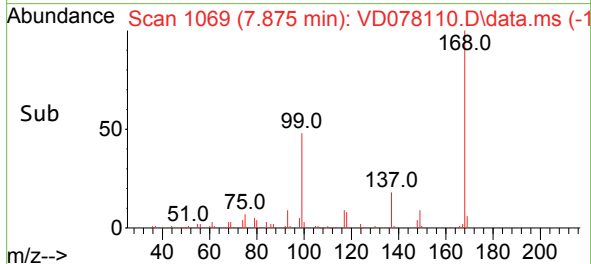
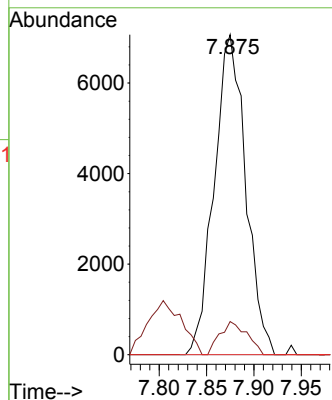
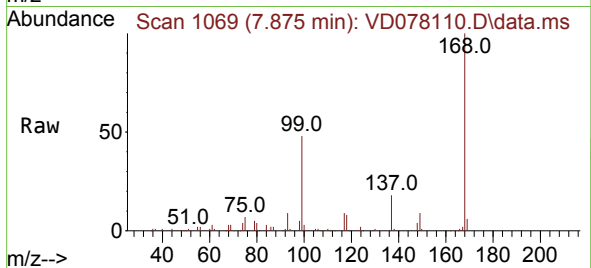
Tgt Ion: 75 Resp: 16336

Ion Ratio Lower Upper

75 100

110 8.9 19.9 59.6#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.649 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.124 min

Lab File: VD078110.D

Acq: 29 Dec 2023 16:05

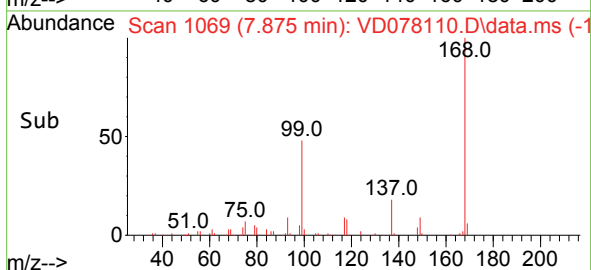
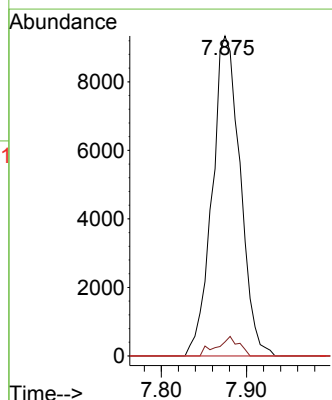
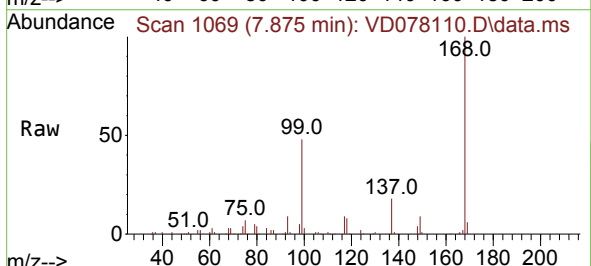
Tgt Ion: 117 Resp: 21277

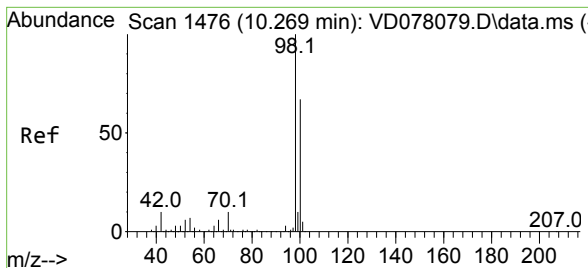
Ion Ratio Lower Upper

117 100

119 4.4 78.0 117.0#

121 0.0 24.2 36.2#

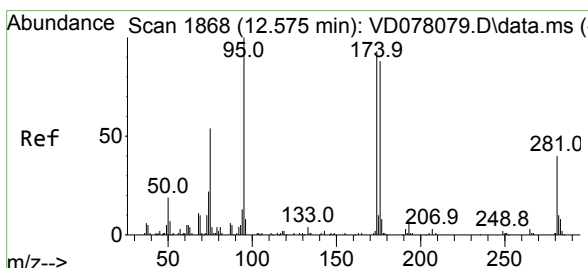
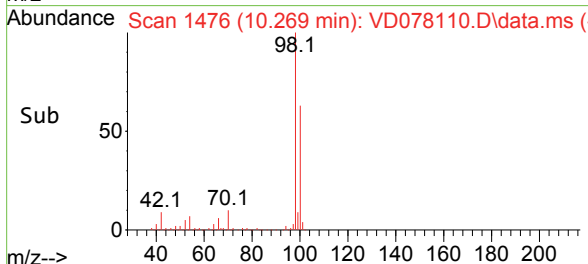
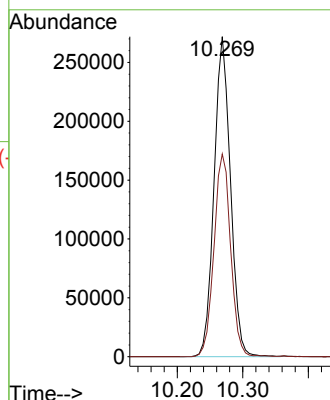
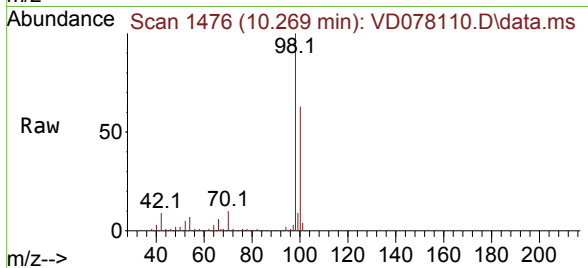




#50
Toluene-d8
Concen: 54.241 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD078110.D
Acq: 29 Dec 2023 16:05

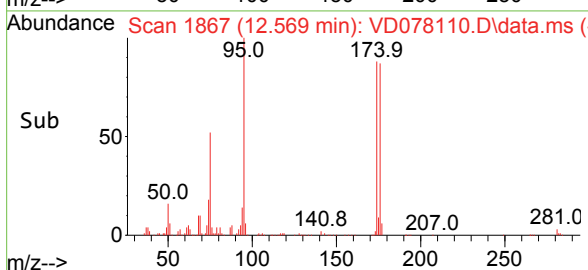
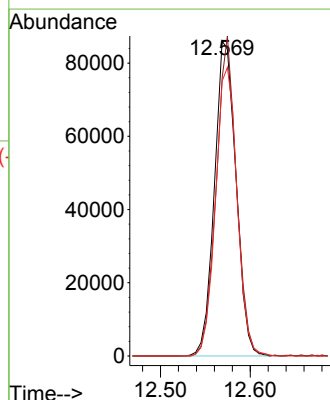
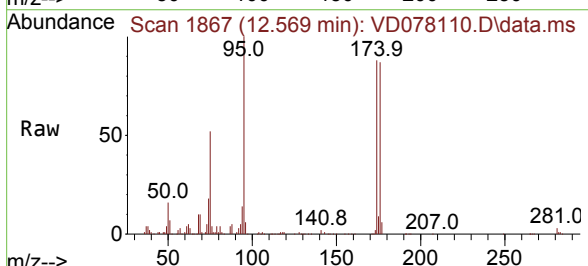
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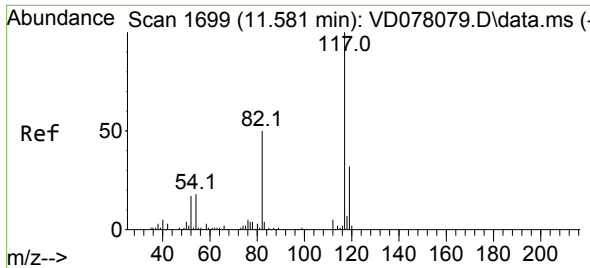
Tgt Ion: 98 Resp: 471507
Ion Ratio Lower Upper
98 100
100 64.3 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 51.321 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD078110.D
Acq: 29 Dec 2023 16:05

Tgt Ion: 95 Resp: 143543
Ion Ratio Lower Upper
95 100
174 95.1 0.0 201.8
176 91.5 0.0 191.8

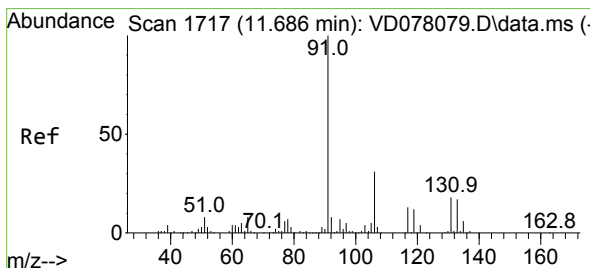
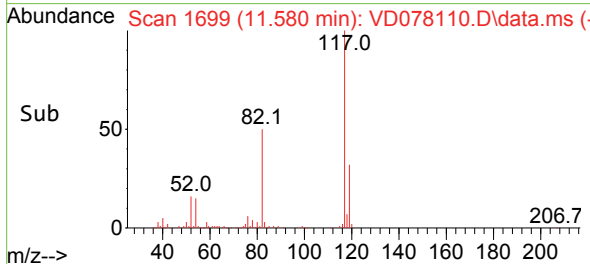
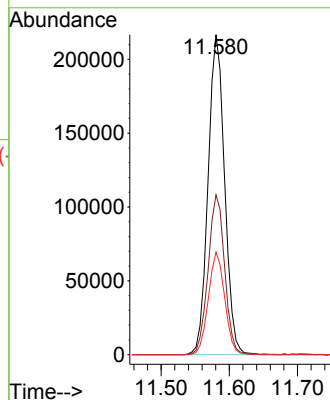
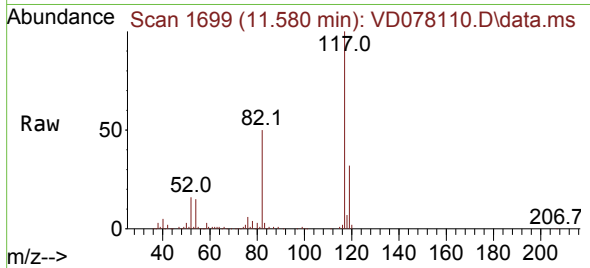




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.580 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD078110.D
Acq: 29 Dec 2023 16:05

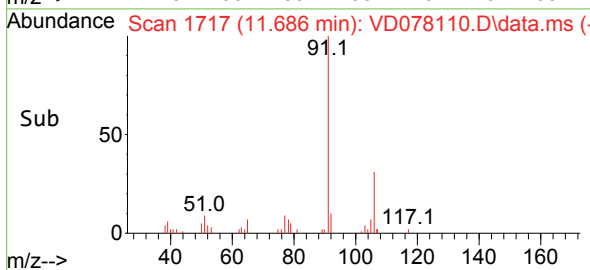
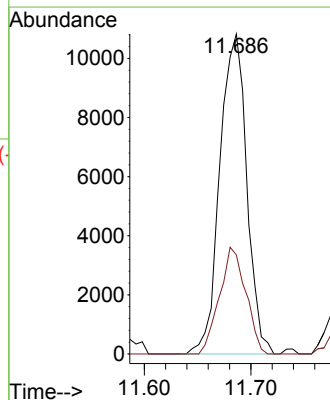
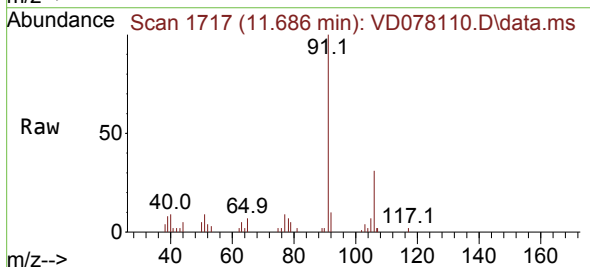
Instrument :
MSVOA_D
ClientSampleId :
T-703

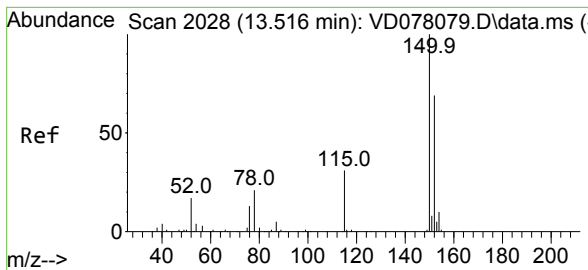
Tgt Ion:117 Resp: 365762
Ion Ratio Lower Upper
117 100
82 50.0 38.3 57.5
119 32.1 25.0 37.4



#67
Ethyl Benzene
Concen: 1.402 ug/l
RT: 11.686 min Scan# 1717
Delta R.T. -0.000 min
Lab File: VD078110.D
Acq: 29 Dec 2023 16:05

Tgt Ion: 91 Resp: 18998
Ion Ratio Lower Upper
91 100
106 31.0 26.5 39.7

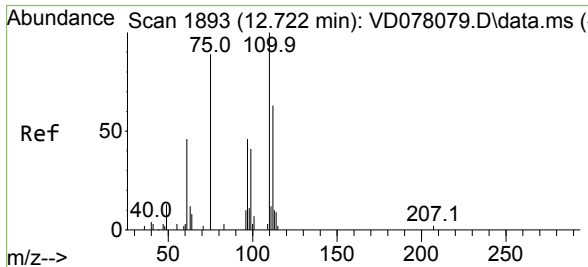
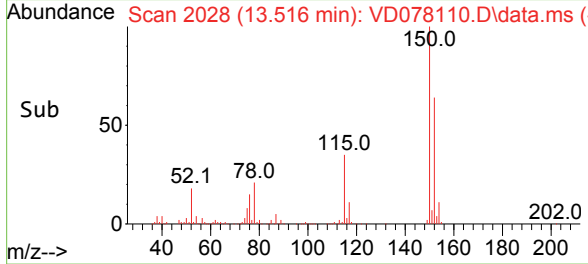
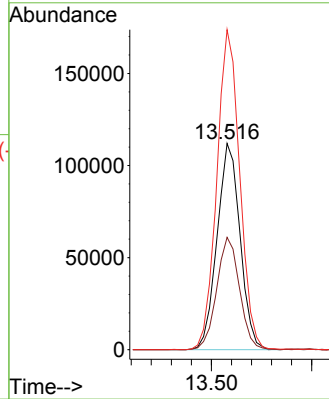
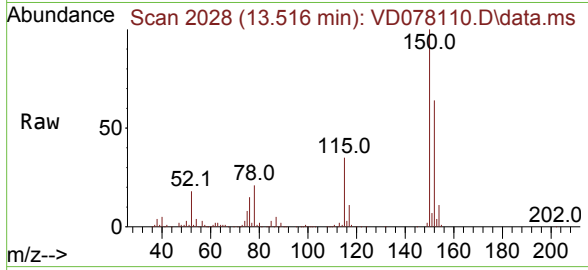




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VD078110.D
 Acq: 29 Dec 2023 16:05

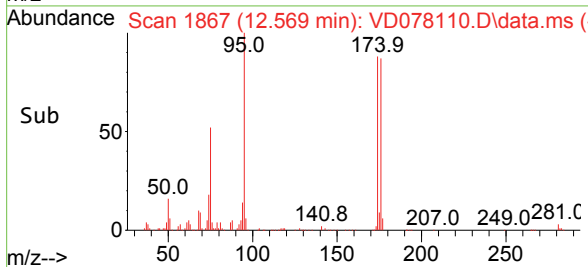
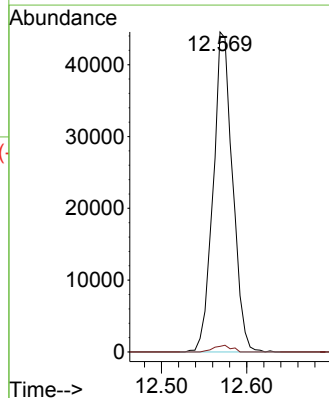
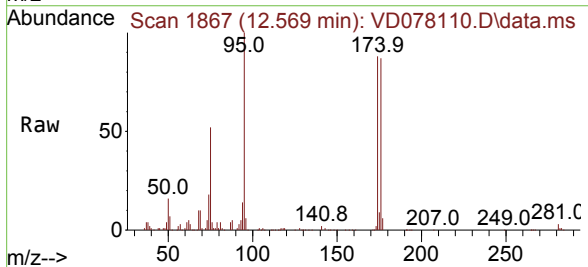
Instrument :
 MSVOA_D
 ClientSampleId :
 T-703

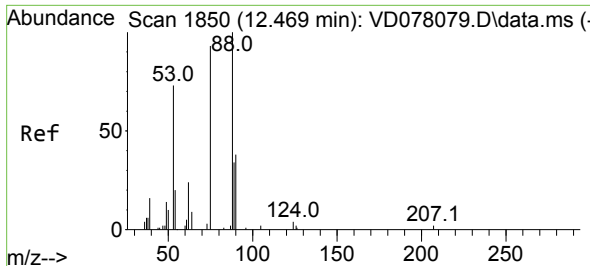
Tgt Ion:152 Resp: 177966
 Ion Ratio Lower Upper
 152 100
 115 54.1 27.1 81.3
 150 155.0 0.0 353.6



#76
 1,2,3-Trichloropropane
 Concen: 46.934 ug/l
 RT: 12.569 min Scan# 1867
 Delta R.T. -0.153 min
 Lab File: VD078110.D
 Acq: 29 Dec 2023 16:05

Tgt Ion: 75 Resp: 70468
 Ion Ratio Lower Upper
 75 100
 77 1.9 0.0 0.0#

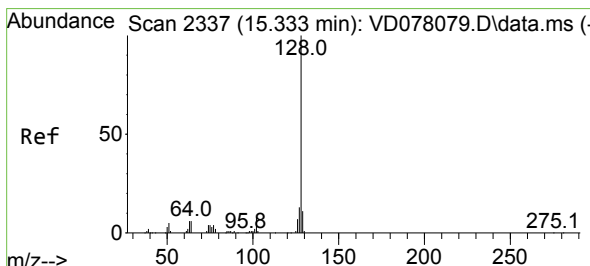
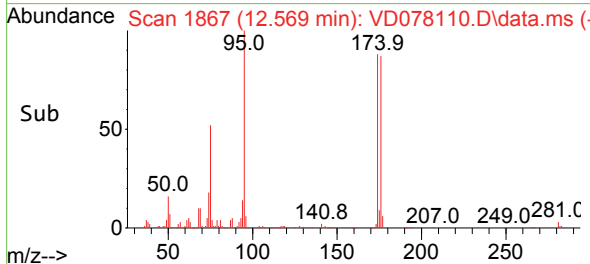
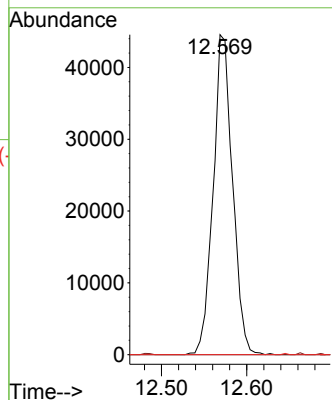
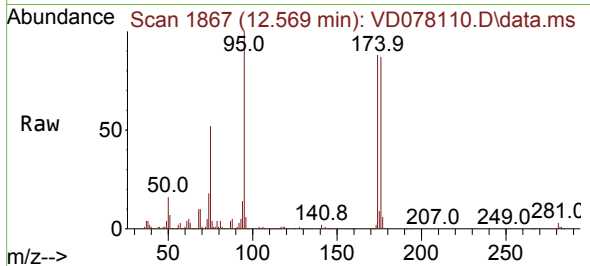




#81
trans-1,4-Dichloro-2-butene
Concen: 101.131 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD078110.D
Acq: 29 Dec 2023 16:05

Instrument :
MSVOA_D
ClientSampleId :
T-703

Tgt Ion: 75 Resp: 70468
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 2.278 ug/l
RT: 15.327 min Scan# 2336
Delta R.T. -0.006 min
Lab File: VD078110.D
Acq: 29 Dec 2023 16:05

Tgt Ion:128 Resp: 13414
Ion Ratio Lower Upper
128 100
127 10.5 10.5 15.7
129 6.4 8.7 13.1#

