

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051324\
 Data File : VD078911.D
 Acq On : 13 May 2024 13:38
 Operator : RP/MD
 Sample : VIBLK
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 14 06:29:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051324S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 14 06:21:28 2024
 Response via : Initial Calibration

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

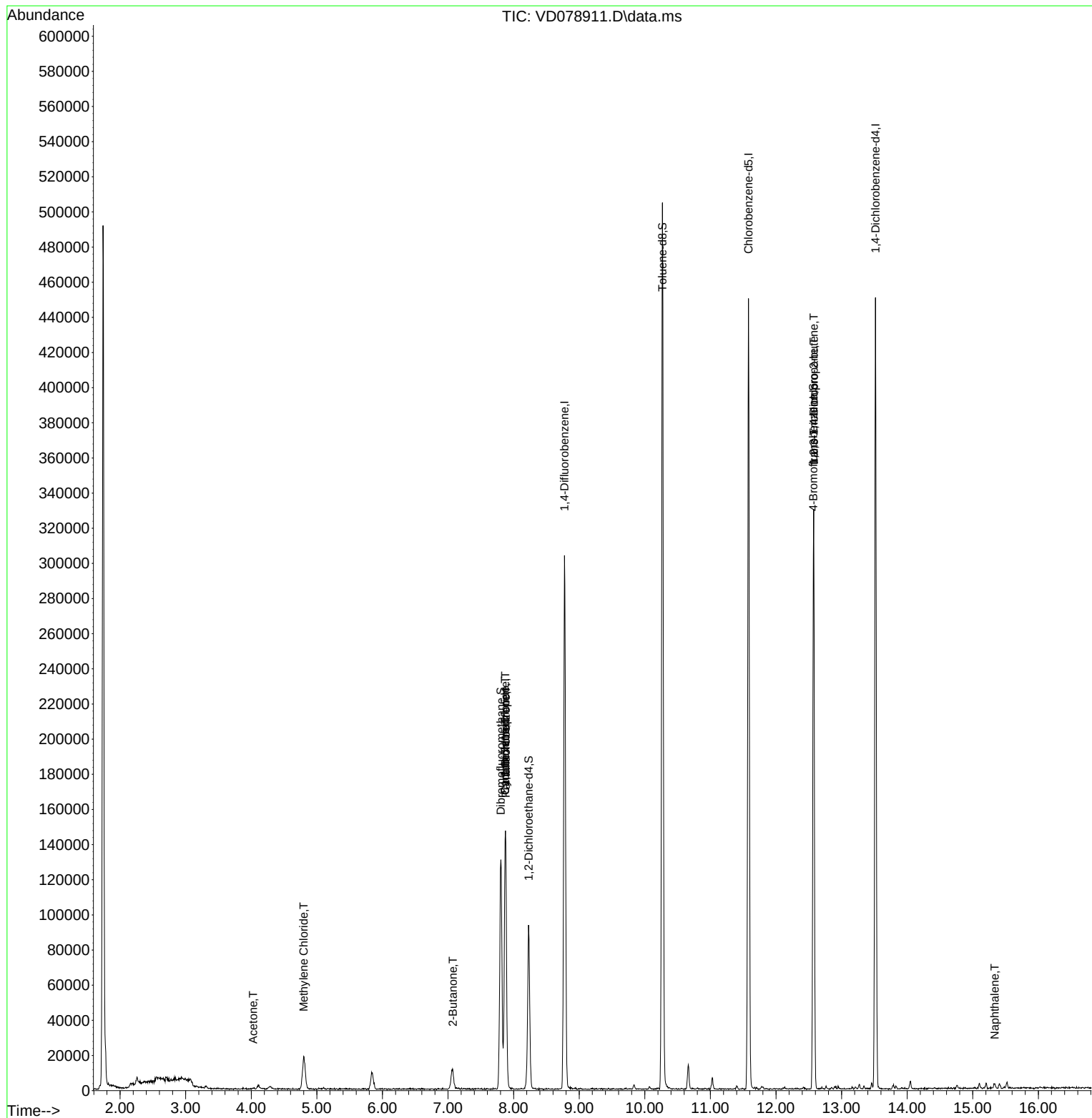
Internal Standards						
1) Pentafluorobenzene	7.881	168	123671	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	285862	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	276712	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	124447	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	67468	58.160	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	116.320%
35) Dibromofluoromethane	7.805	113	95008	49.928	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.860%
50) Toluene-d8	10.269	98	359032	50.330	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.660%
62) 4-Bromofluorobenzene	12.569	95	96665	48.236	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	96.480%
Target Compounds						
					Qvalue	
3) Chloromethane	2.152	50	650	Below Cal		94
16) Acetone	4.028	43	492	2.660 ug/l #		37
17) Carbon Disulfide	4.258	76	982	Below Cal #		76
20) Methylene Chloride	4.799	84	15981	5.682 ug/l #		89
25) 2-Butanone	7.075	43	318	1.285 ug/l #		42
31) Cyclohexane	7.869	56	2305	1.360 ug/l #		49
36) 1,1-Dichloropropene	7.875	75	8560	3.615 ug/l #		42
38) Carbon Tetrachloride	7.869	117	11179	4.034 ug/l #		17
76) 1,2,3-Trichloropropane	12.575	75	47321	54.012 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.575	75	47321	107.108 ug/l #		19
95) Naphthalene	15.334	128	3557	1.028 ug/l #		94

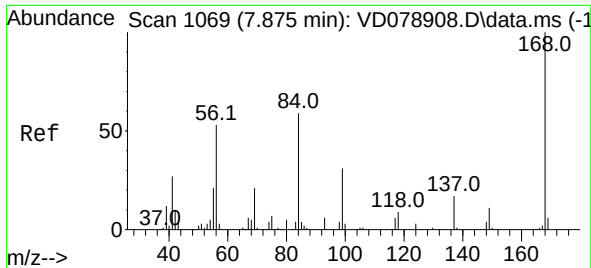
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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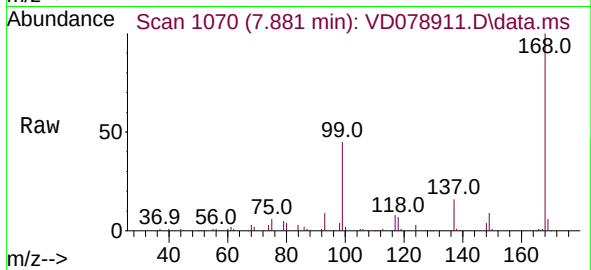
Quant Time: May 14 06:29:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051324S.M
Quant Title : SW846 8260
QLast Update : Tue May 14 06:21:28 2024
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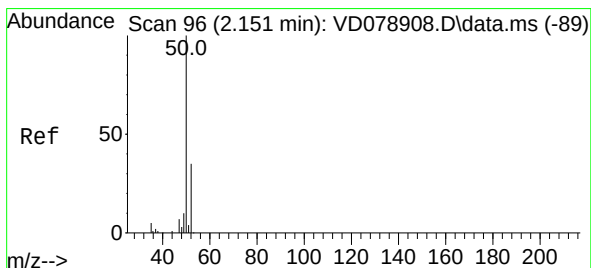
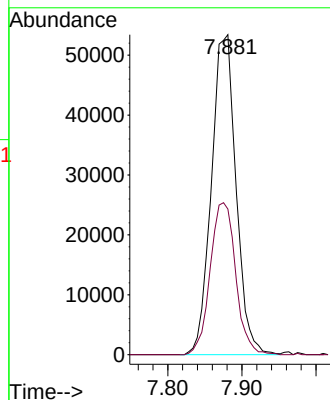
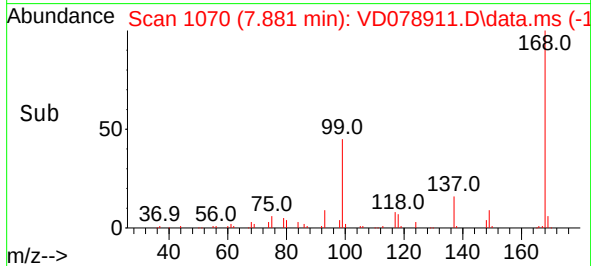


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD078911.D
Acq: 13 May 2024 13:38

Instrument :
MSVOA_D
ClientSampleId :

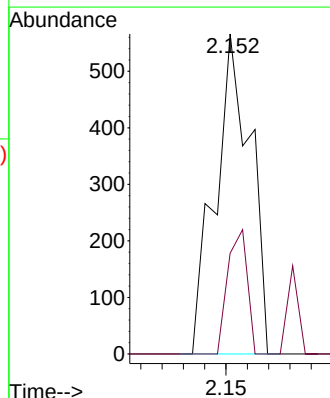
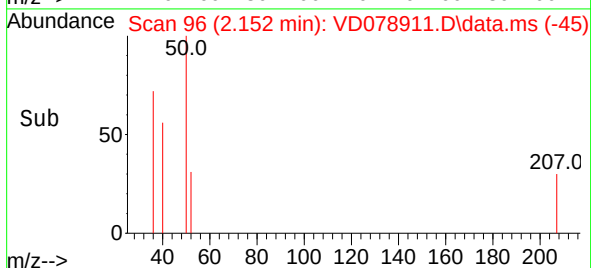
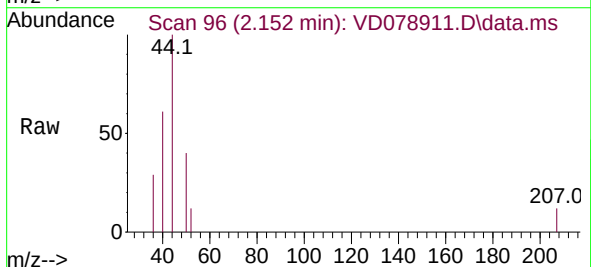


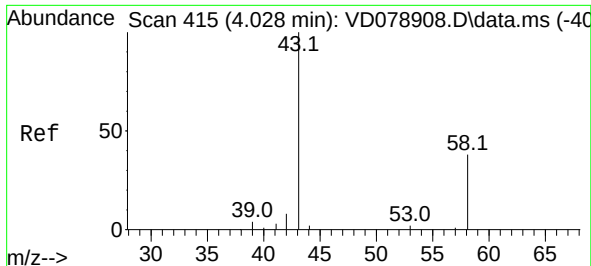
Tgt Ion:168 Resp: 123671
Ion Ratio Lower Upper
168 100
99 45.5 41.1 61.7



#3
Chloromethane
Concen: Below Cal
RT: 2.152 min Scan# 96
Delta R.T. 0.001 min
Lab File: VD078911.D
Acq: 13 May 2024 13:38

Tgt Ion: 50 Resp: 650
Ion Ratio Lower Upper
50 100
52 31.4 28.2 42.2

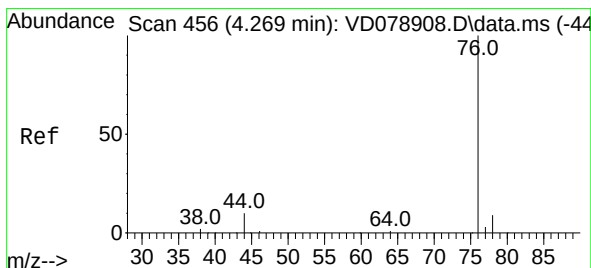
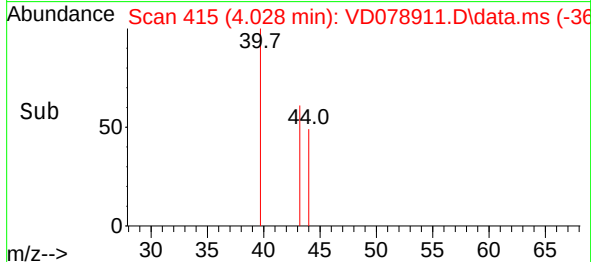
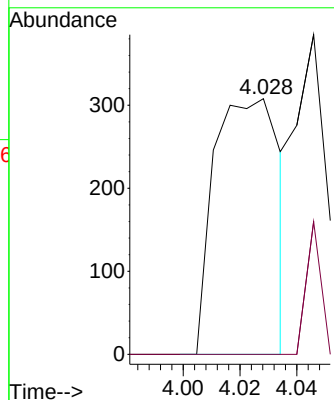
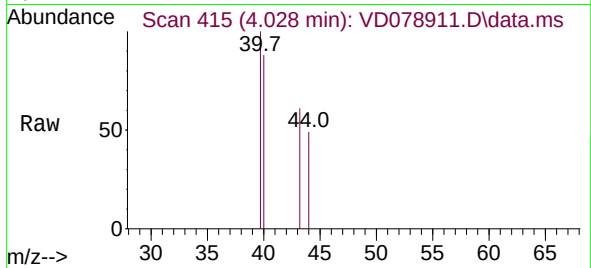




#16
Acetone
Concen: 2.660 ug/l
RT: 4.028 min Scan# 415
Delta R.T. 0.000 min
Lab File: VD078911.D
Acq: 13 May 2024 13:38

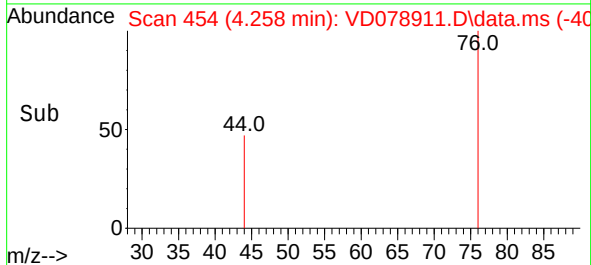
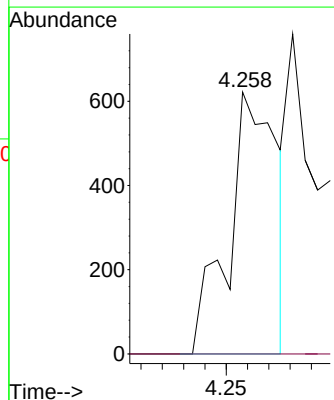
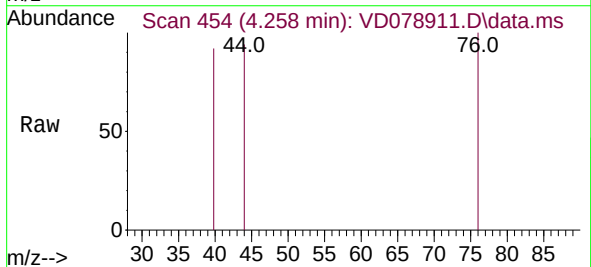
Instrument :
MSVOA_D
ClientSampleId :

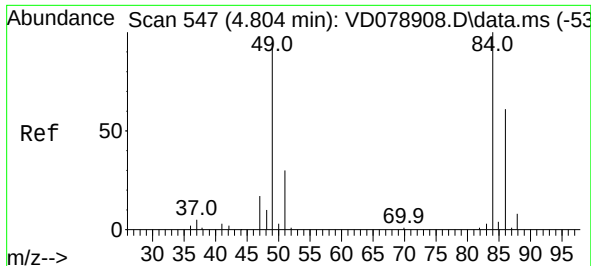
Tgt Ion: 43 Resp: 492
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.258 min Scan# 454
Delta R.T. -0.011 min
Lab File: VD078911.D
Acq: 13 May 2024 13:38

Tgt Ion: 76 Resp: 982
Ion Ratio Lower Upper
76 100
78 0.0 6.9 10.3#





#20

Methylene Chloride

Concen: 5.682 ug/l

RT: 4.799 min Scan# 547

Delta R.T. -0.005 min

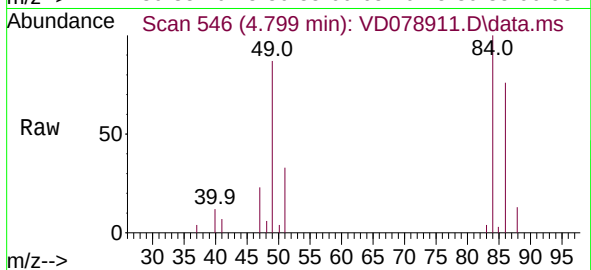
Lab File: VD078911.D

Acq: 13 May 2024 13:38

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 84 Resp: 15981

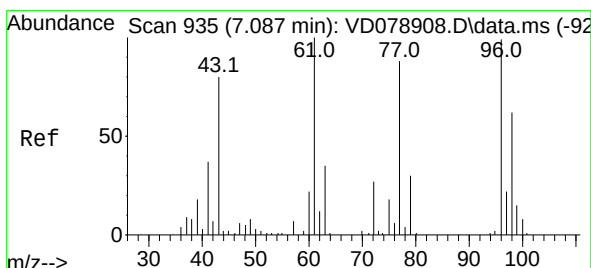
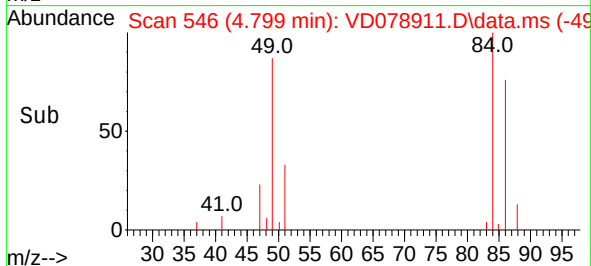
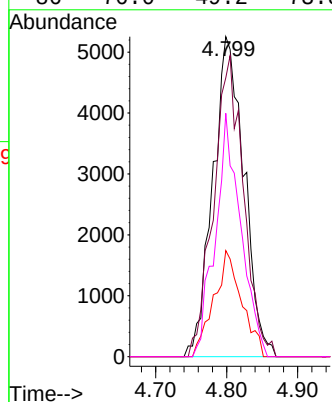
Ion Ratio Lower Upper

84 100

49 87.2 75.6 113.4

51 33.2 24.2 36.2

86 76.0 49.2 73.8#



#25

2-Butanone

Concen: 1.285 ug/l

RT: 7.075 min Scan# 933

Delta R.T. -0.011 min

Lab File: VD078911.D

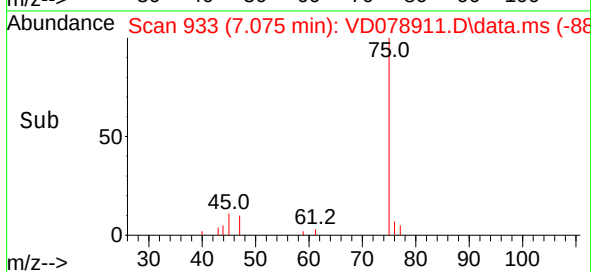
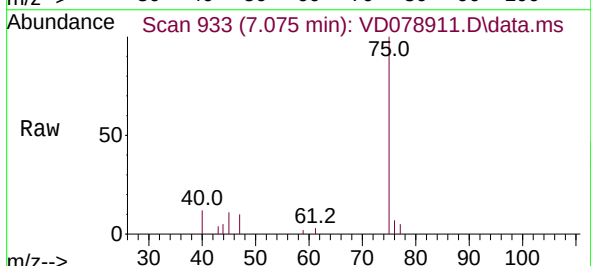
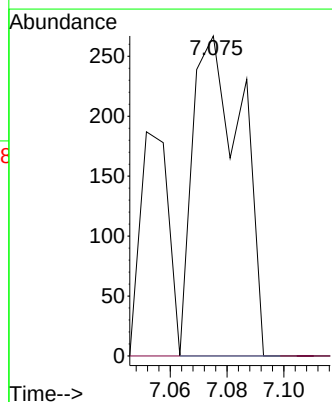
Acq: 13 May 2024 13:38

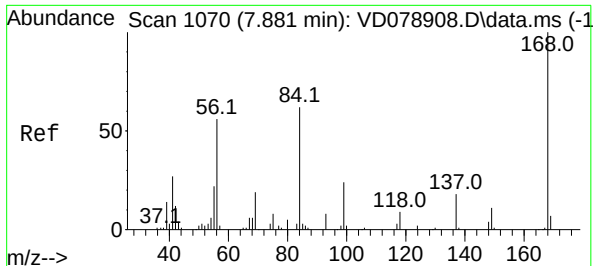
Tgt Ion: 43 Resp: 318

Ion Ratio Lower Upper

43 100

72 0.0 26.4 39.6#





#31

Cyclohexane

Concen: 1.360 ug/l

RT: 7.869 min Scan# 1

Delta R.T. -0.011 min

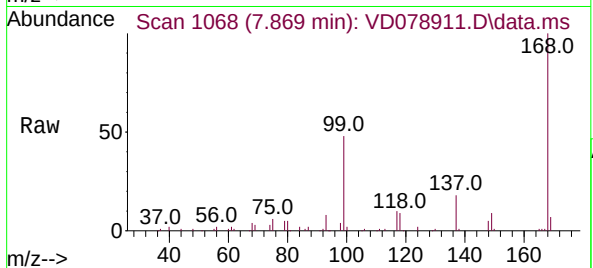
Lab File: VD078911.D

Acq: 13 May 2024 13:38

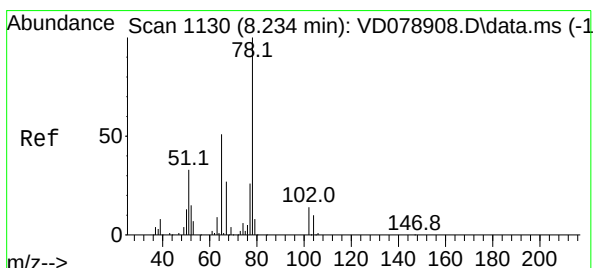
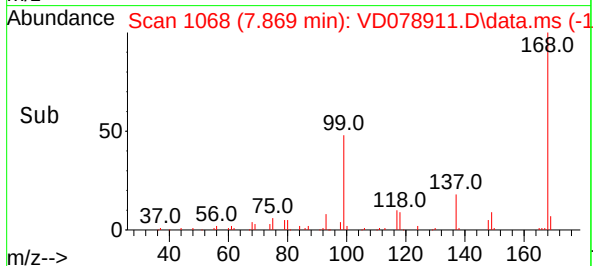
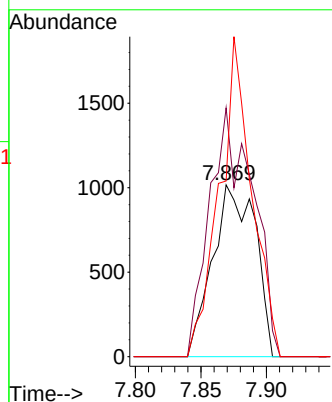
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	56	Resp:	2305
Ion Ratio	Lower	Upper	
56	100		
69	144.8	28.0	42.0#
84	102.3	87.4	131.0



#33

1,2-Dichloroethane-d4

Concen: 58.160 ug/l

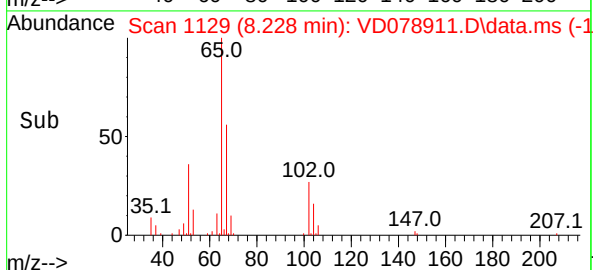
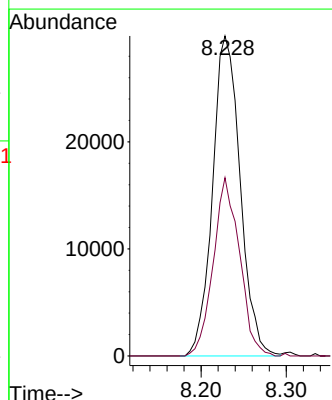
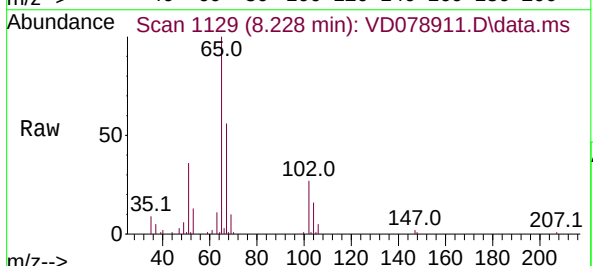
RT: 8.228 min Scan# 1129

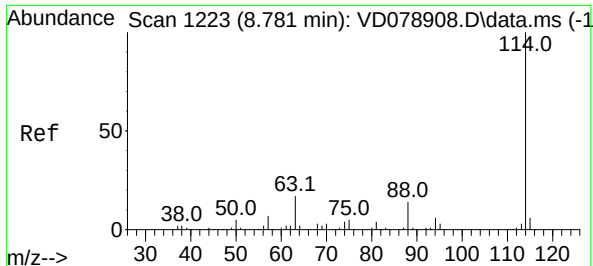
Delta R.T. -0.005 min

Lab File: VD078911.D

Acq: 13 May 2024 13:38

Tgt Ion:	65	Resp:	67468
Ion Ratio	Lower	Upper	
65	100		
67	52.8	0.0	111.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.005 min

Lab File: VD078911.D

Acq: 13 May 2024 13:38

Instrument :

MSVOA_D

ClientSampleId :

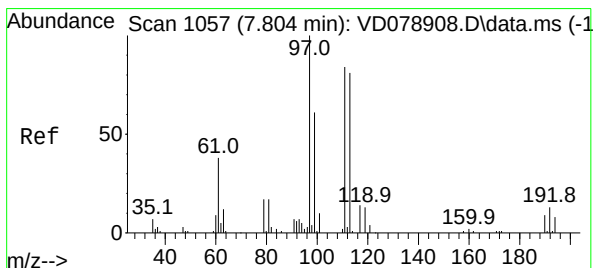
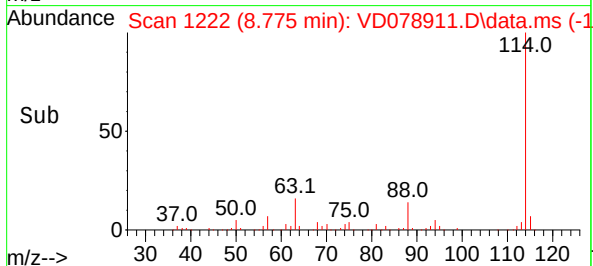
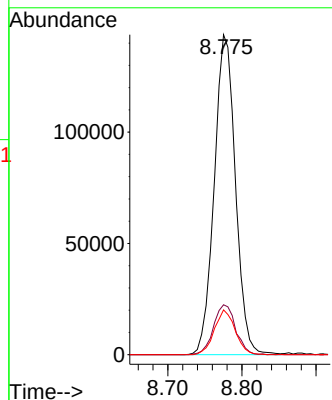
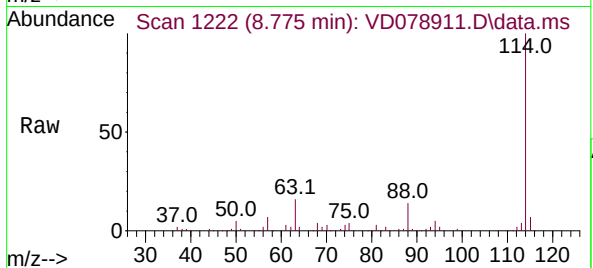
Tgt Ion:114 Resp: 285862

Ion Ratio Lower Upper

114 100

63 15.6 0.0 34.0

88 14.0 0.0 27.2



#35

Dibromofluoromethane

Concen: 49.928 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD078911.D

Acq: 13 May 2024 13:38

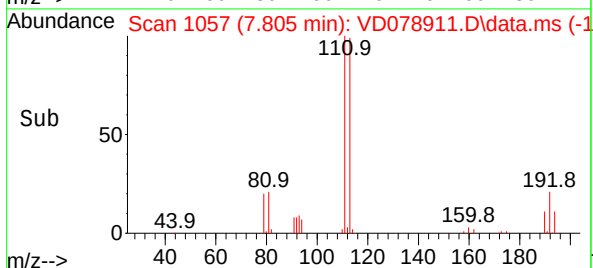
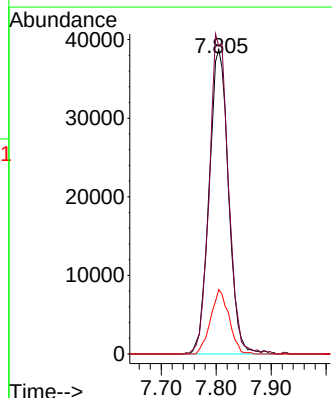
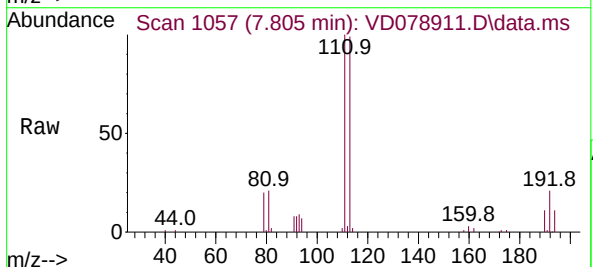
Tgt Ion:113 Resp: 95008

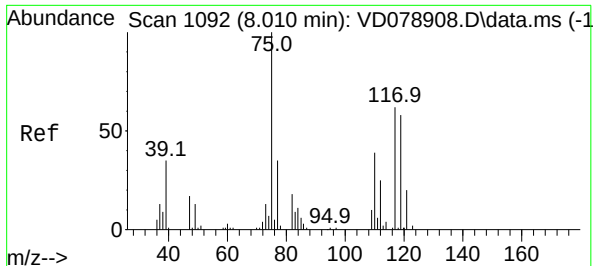
Ion Ratio Lower Upper

113 100

111 103.6 84.0 126.0

192 20.0 15.4 23.0





#36

1,1-Dichloropropene

Concen: 3.615 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

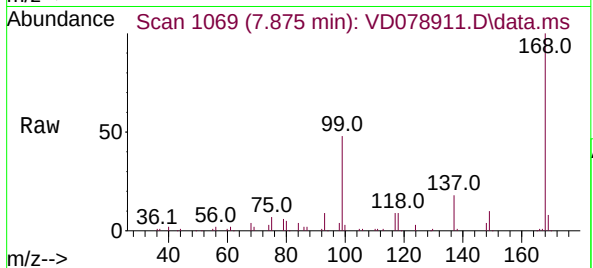
Lab File: VD078911.D

Acq: 13 May 2024 13:38

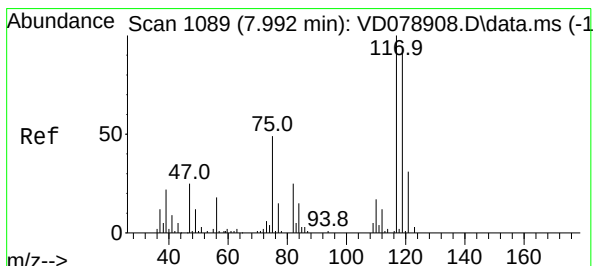
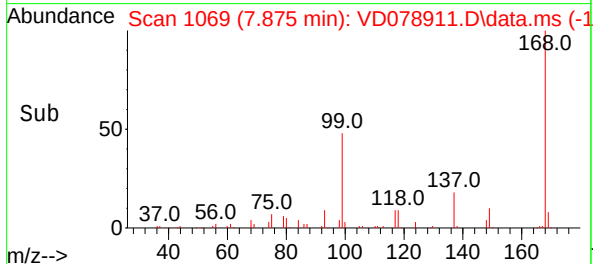
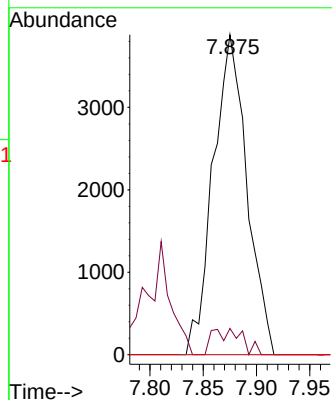
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 75	Resp: 8560
Ion Ratio	Lower Upper
75	100
110	3.2 19.6 58.7#
77	0.0 26.1 39.1#



#38

Carbon Tetrachloride

Concen: 4.034 ug/l

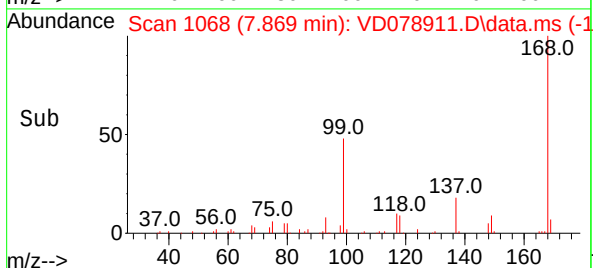
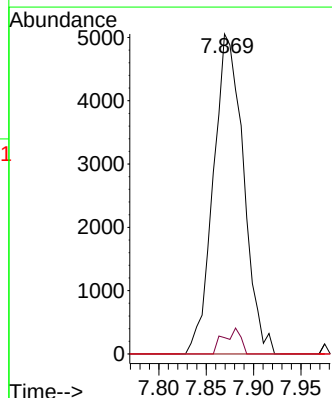
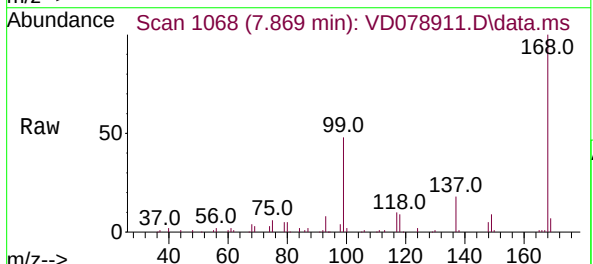
RT: 7.869 min Scan# 1068

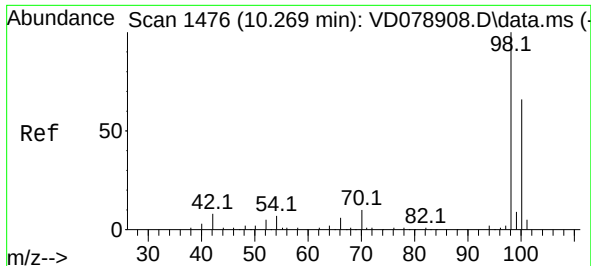
Delta R.T. -0.123 min

Lab File: VD078911.D

Acq: 13 May 2024 13:38

Tgt Ion: 117	Resp: 11179
Ion Ratio	Lower Upper
117	100
119	5.1 75.4 113.0#
121	0.0 25.0 37.4#





#50

Toluene-d8

Concen: 50.330 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD078911.D

Acq: 13 May 2024 13:38

Instrument :

MSVOA_D

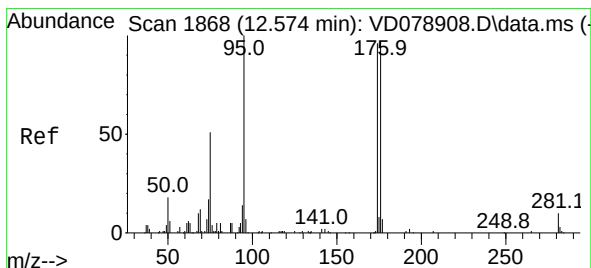
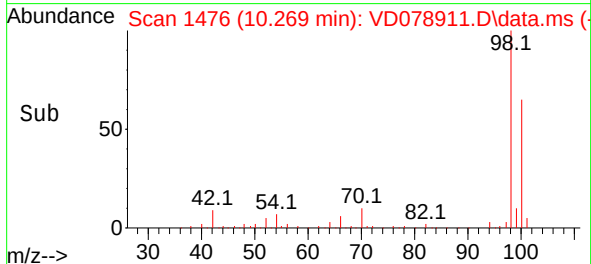
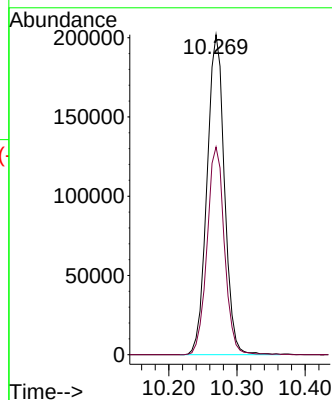
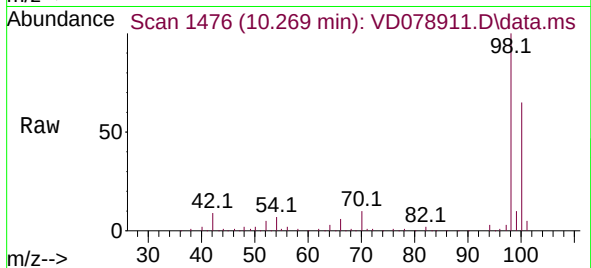
ClientSampleId :

Tgt Ion: 98 Resp: 359032

Ion Ratio Lower Upper

98 100

100 64.7 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 48.236 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.005 min

Lab File: VD078911.D

Acq: 13 May 2024 13:38

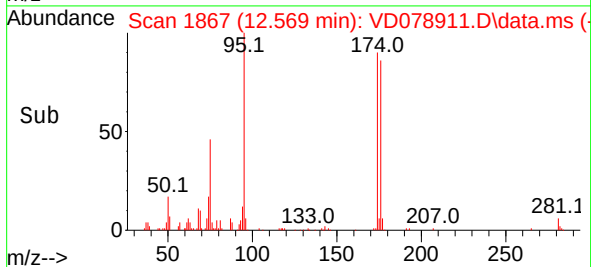
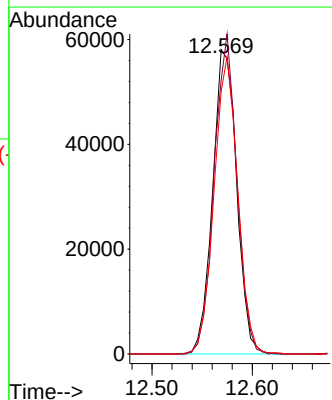
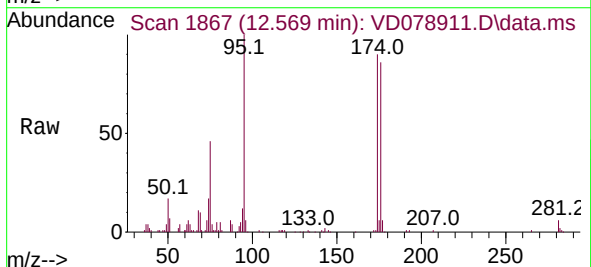
Tgt Ion: 95 Resp: 96665

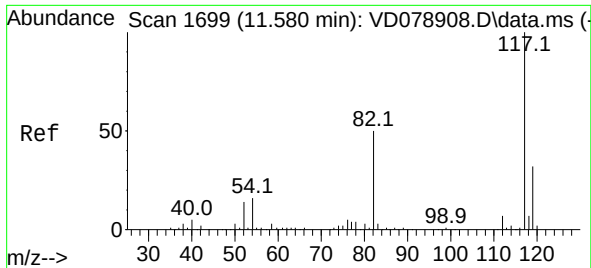
Ion Ratio Lower Upper

95 100

174 99.3 0.0 195.4

176 96.0 0.0 192.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD078911.D

Acq: 13 May 2024 13:38

Instrument :

MSVOA_D

ClientSampleId :

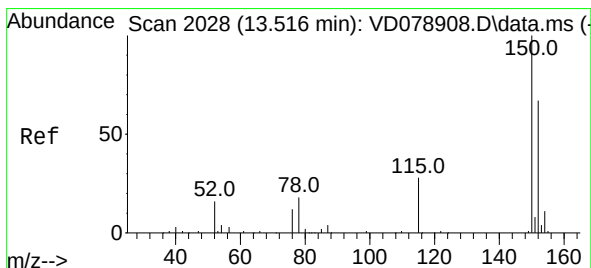
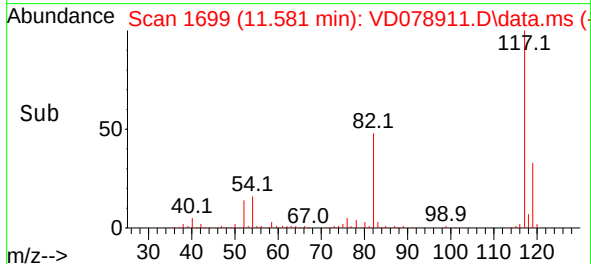
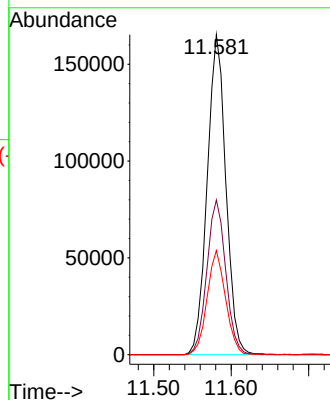
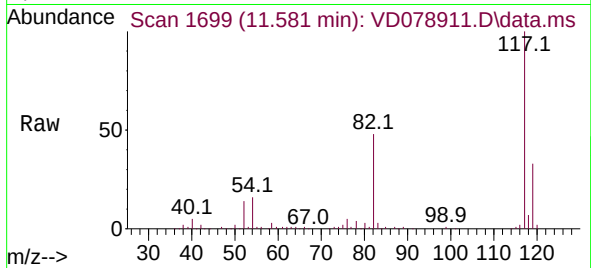
Tgt Ion:117 Resp: 276712

Ion Ratio Lower Upper

117 100

82 48.3 39.8 59.6

119 32.5 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. 0.000 min

Lab File: VD078911.D

Acq: 13 May 2024 13:38

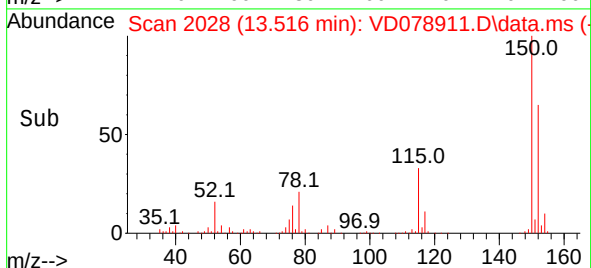
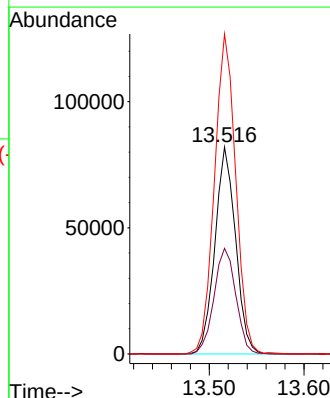
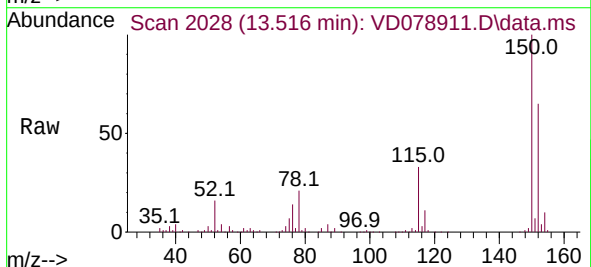
Tgt Ion:152 Resp: 124447

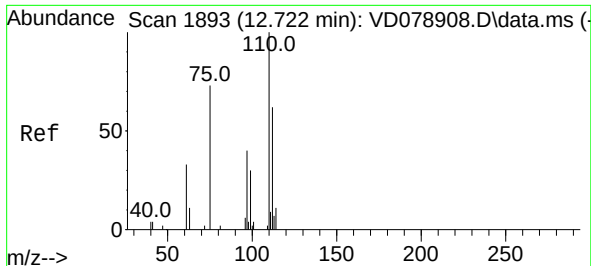
Ion Ratio Lower Upper

152 100

115 54.0 26.5 79.5

150 159.2 0.0 341.6





#76

1,2,3-Trichloropropane

Concen: 54.012 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD078911.D

Acq: 13 May 2024 13:38

Instrument :

MSVOA_D

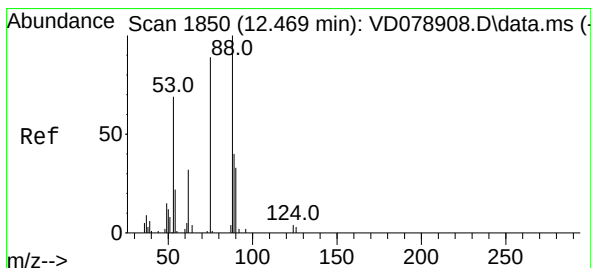
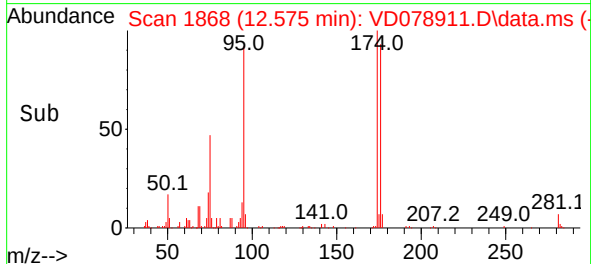
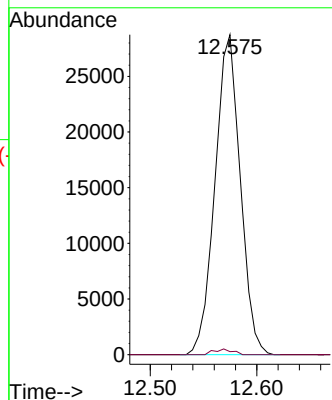
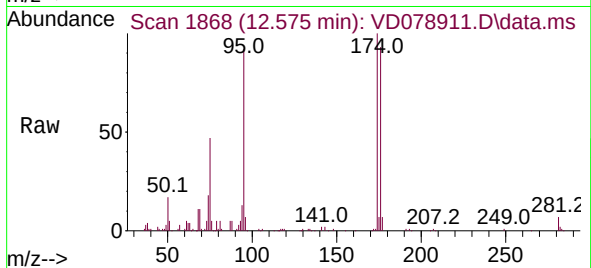
ClientSampleId :

Tgt Ion: 75 Resp: 47321

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 107.108 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.106 min

Lab File: VD078911.D

Acq: 13 May 2024 13:38

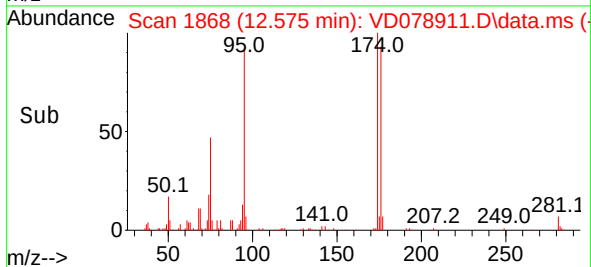
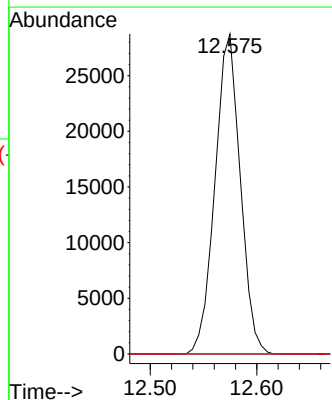
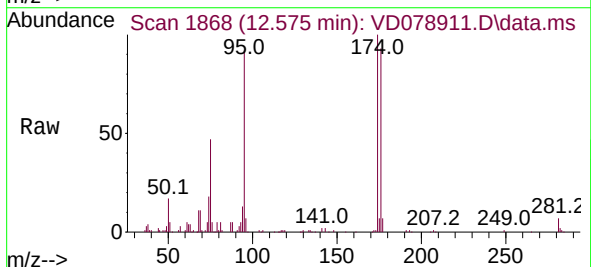
Tgt Ion: 75 Resp: 47321

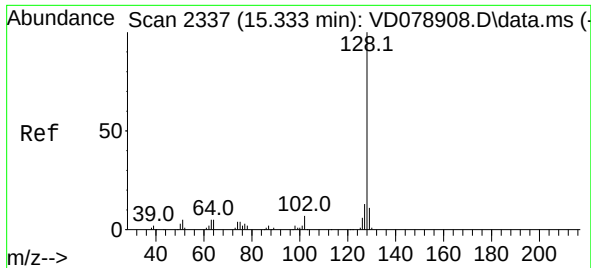
Ion Ratio Lower Upper

75 100

53 0.0 61.4 92.2#

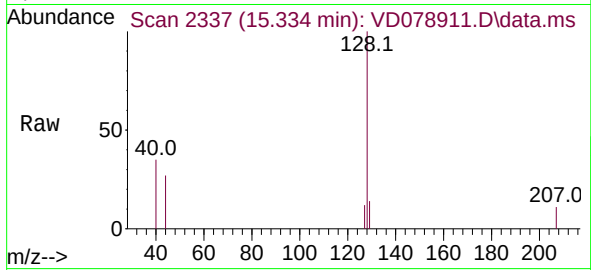
89 0.0 35.4 53.0#





#95
Naphthalene
Concen: 1.028 ug/l
RT: 15.334 min Scan# 24
Delta R.T. 0.001 min
Lab File: VD078911.D
Acq: 13 May 2024 13:38

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:	128	Resp:	3557
Ion	Ratio	Lower	Upper
128	100		
127	11.8	10.2	15.4
129	14.5	8.5	12.7#

