

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051625\
 Data File : VD080374.D
 Acq On : 16 May 2025 16:25
 Operator : RP/MD
 Sample : Q2056-02
 Misc : 7.39G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 GVD12

Quant Time: May 17 01:21:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 07 08:57:11 2025
 Response via : Initial Calibration

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

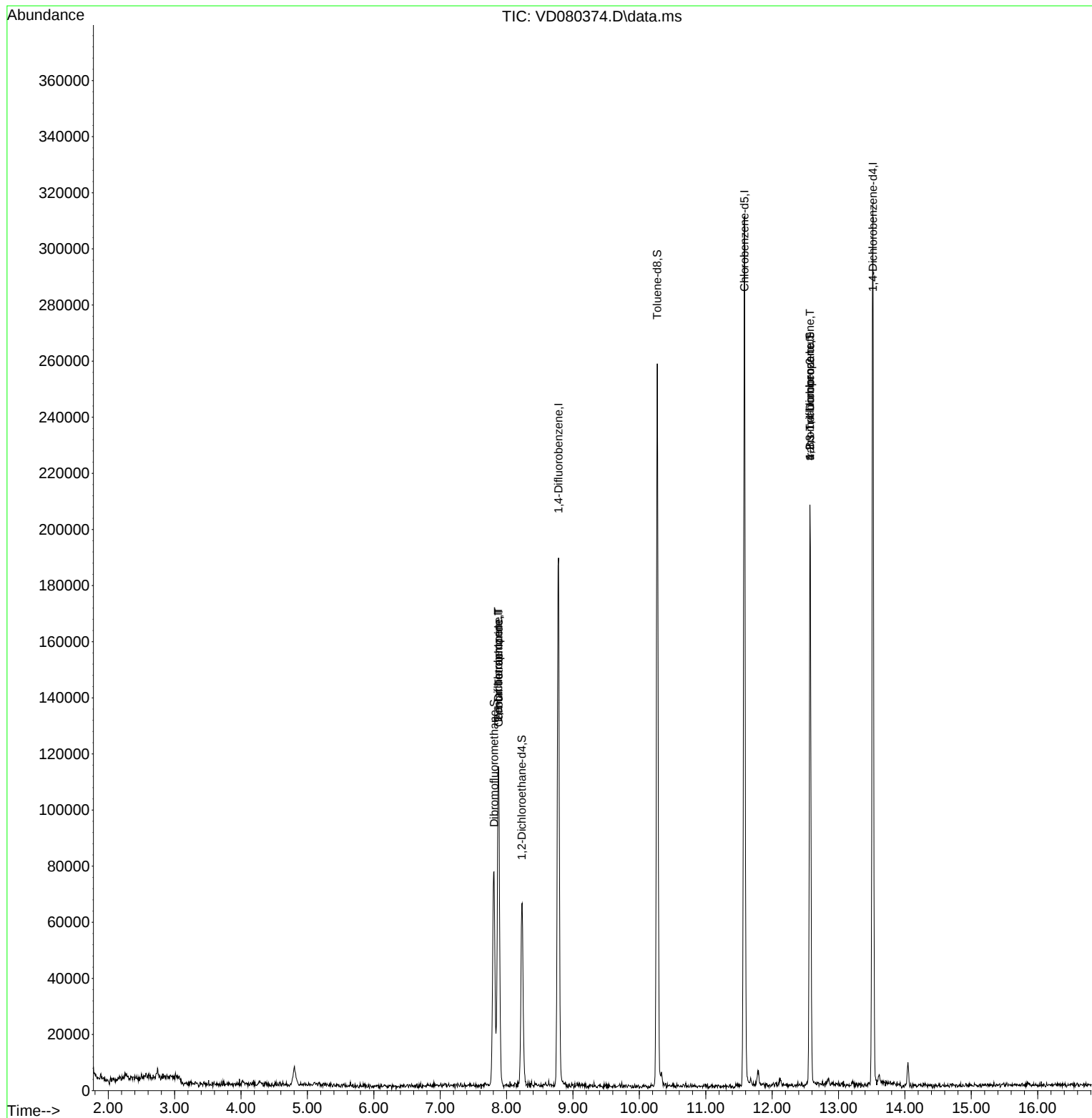
Internal Standards						
1) Pentafluorobenzene	7.876	168	87216	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.782	114	163225	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	164240	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	84202	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	51873	45.993	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.980%
35) Dibromofluoromethane	7.811	113	56302	51.465	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.920%
50) Toluene-d8	10.270	98	177390	41.153	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	82.300%
62) 4-Bromofluorobenzene	12.570	95	60865	43.993	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	87.980%
Target Compounds						
					Qvalue	
3) Chloromethane	2.165	50	332	Below Cal	#	39
16) Acetone	4.029	43	603	Below Cal	#	82
20) Methylene Chloride	4.800	84	4492	Below Cal		91
36) 1,1-Dichloropropene	7.876	75	7620	4.661	ug/l #	49
38) Carbon Tetrachloride	7.882	117	9184	5.386	ug/l #	18
76) 1,2,3-Trichloropropane	12.570	75	32310	39.758	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.570	75	32310	75.468	ug/l #	15

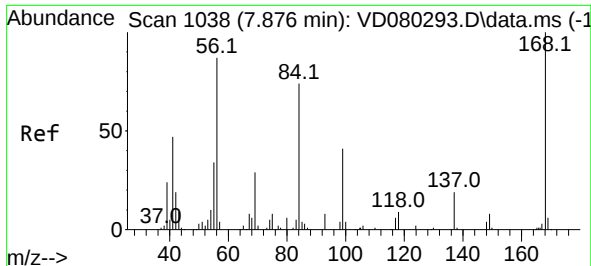
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
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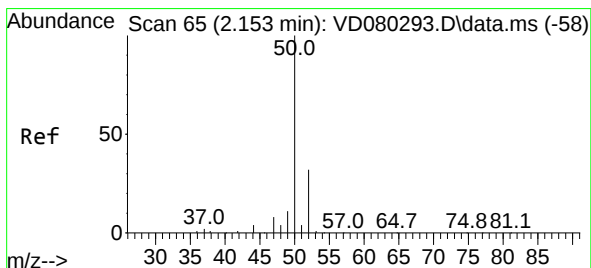
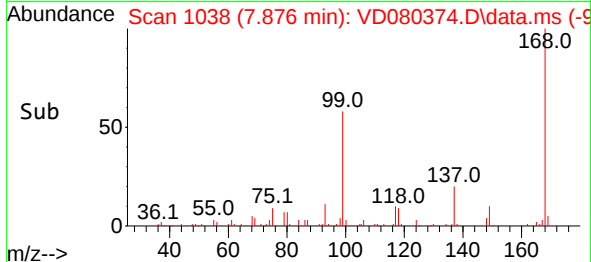
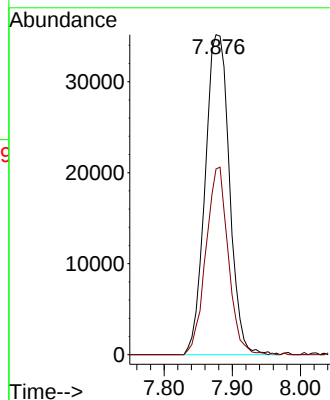
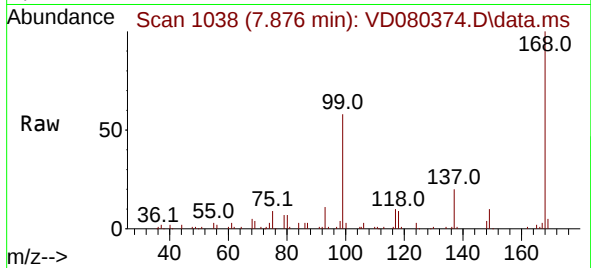




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 10
Delta R.T. 0.001 min
Lab File: VD080374.D
Acq: 16 May 2025 16:25

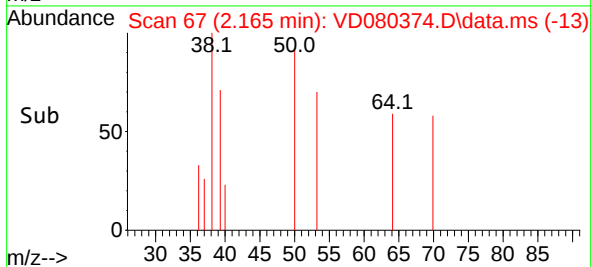
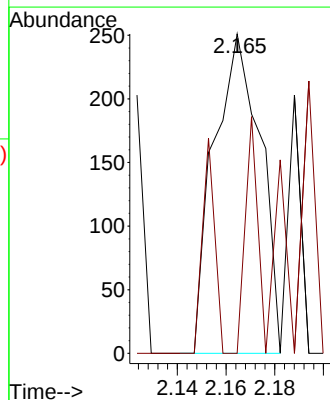
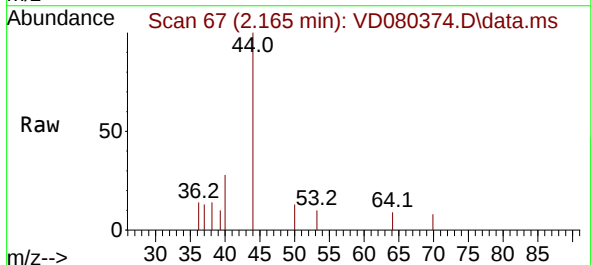
Instrument :
MSVOA_D
ClientSampleId :
GVD12

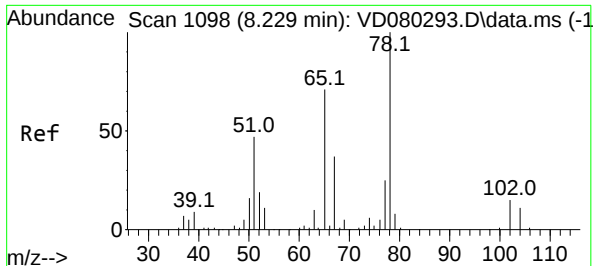
Tgt Ion:168 Resp: 87216
Ion Ratio Lower Upper
168 100
99 58.1 46.0 69.0



#3
Chloromethane
Concen: Below Cal
RT: 2.165 min Scan# 67
Delta R.T. 0.019 min
Lab File: VD080374.D
Acq: 16 May 2025 16:25

Tgt Ion: 50 Resp: 332
Ion Ratio Lower Upper
50 100
52 0.0 28.8 43.2#





#33

1,2-Dichloroethane-d4

Concen: 45.993 ug/l

RT: 8.229 min Scan# 1109

Delta R.T. 0.001 min

Lab File: VD080374.D

Acq: 16 May 2025 16:25

Instrument :

MSVOA_D

ClientSampleId :

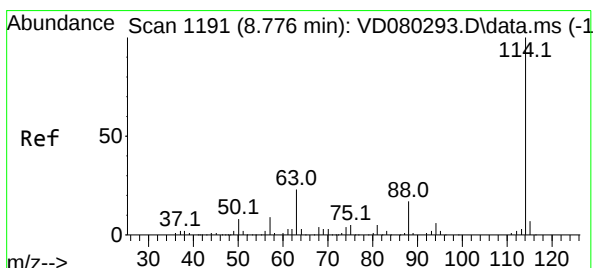
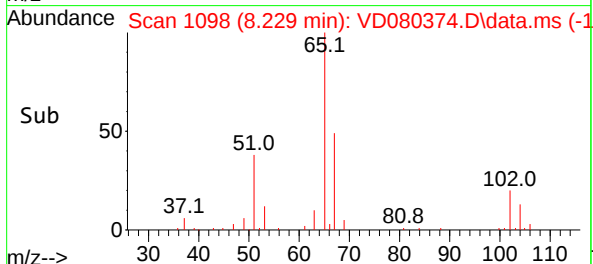
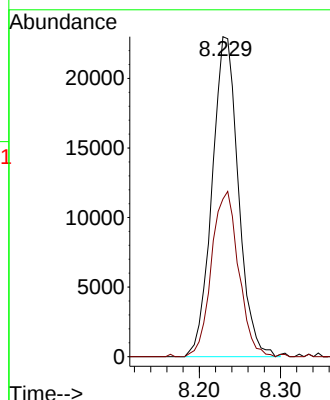
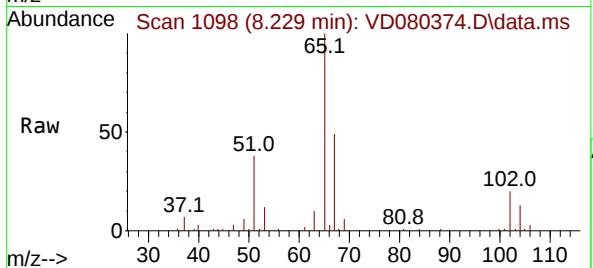
GVD12

Tgt Ion: 65 Resp: 51873

Ion Ratio Lower Upper

65 100

67 53.1 0.0 109.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.782 min Scan# 1192

Delta R.T. 0.007 min

Lab File: VD080374.D

Acq: 16 May 2025 16:25

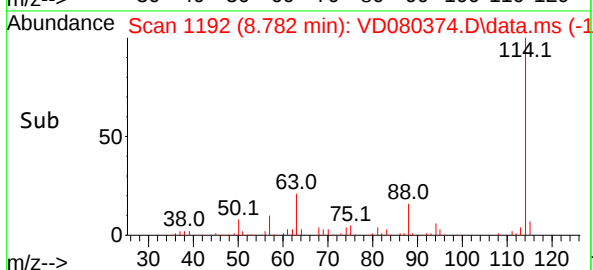
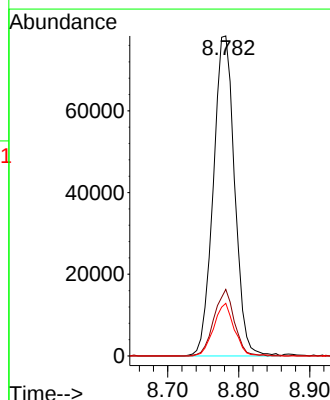
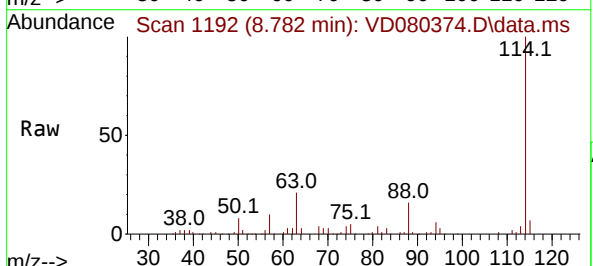
Tgt Ion: 114 Resp: 163225

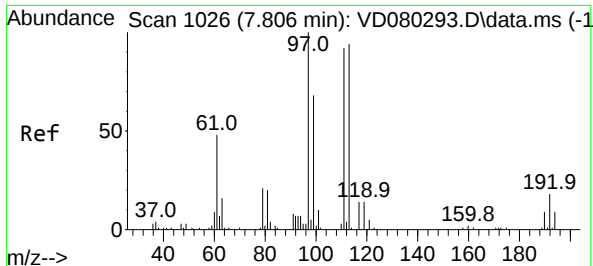
Ion Ratio Lower Upper

114 100

63 20.8 0.0 38.8

88 16.5 0.0 30.6





#35

Dibromofluoromethane

Concen: 51.465 ug/l

RT: 7.811 min Scan# 1037

Delta R.T. 0.006 min

Lab File: VD080374.D

Acq: 16 May 2025 16:25

Instrument :

MSVOA_D

ClientSampleId :

GVD12

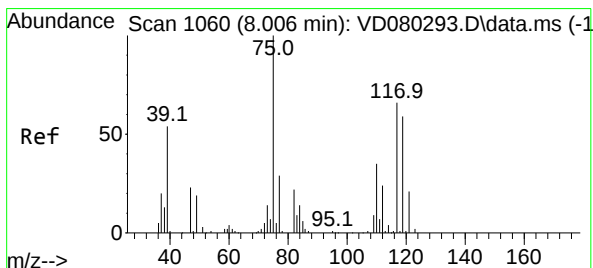
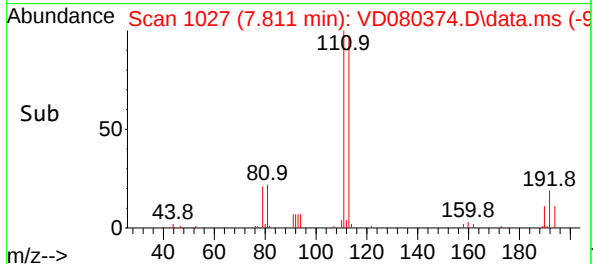
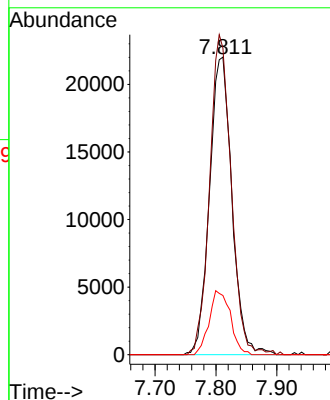
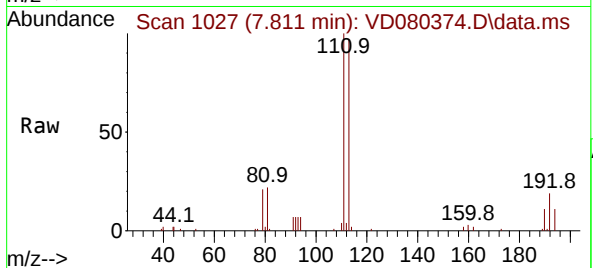
Tgt Ion:113 Resp: 56302

Ion Ratio Lower Upper

113 100

111 103.1 82.5 123.7

192 20.3 16.6 25.0



#36

1,1-Dichloropropene

Concen: 4.661 ug/l

RT: 7.876 min Scan# 1038

Delta R.T. -0.129 min

Lab File: VD080374.D

Acq: 16 May 2025 16:25

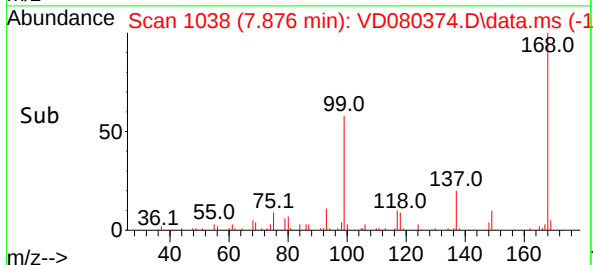
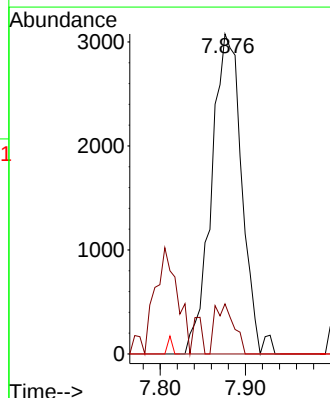
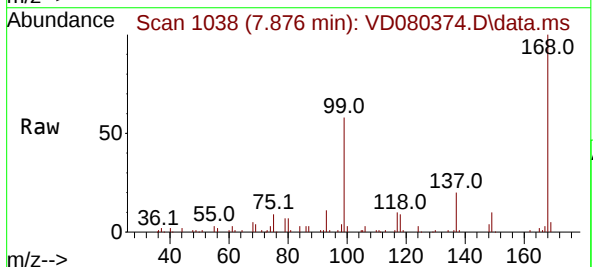
Tgt Ion: 75 Resp: 7620

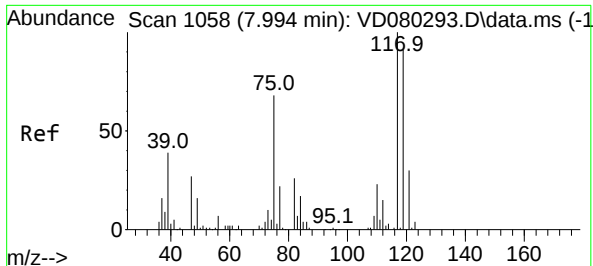
Ion Ratio Lower Upper

75 100

110 9.8 18.4 55.0#

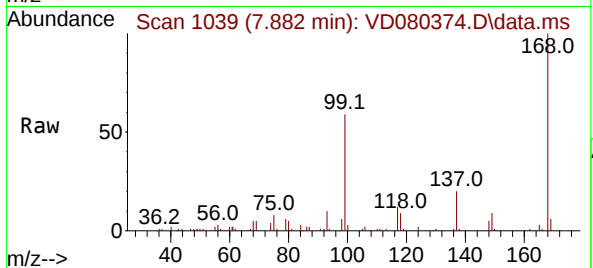
77 0.0 25.6 38.4#



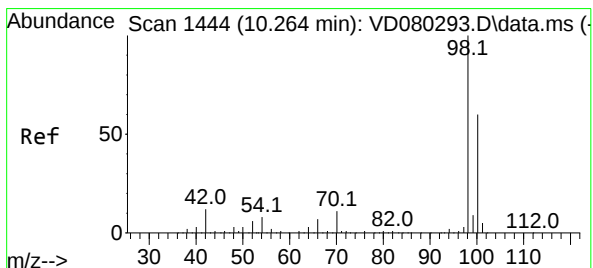
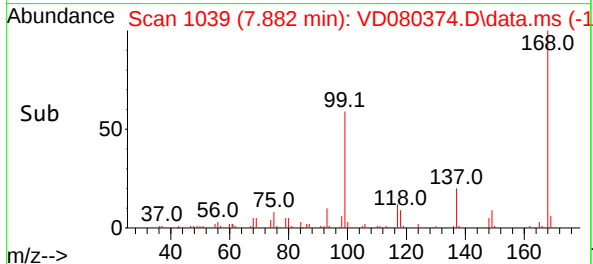
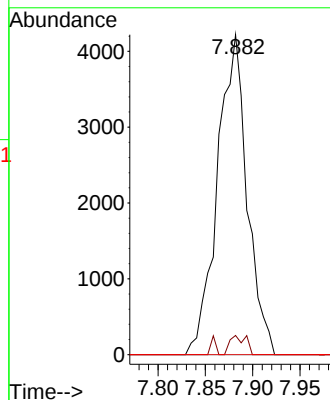


#38
Carbon Tetrachloride
Concen: 5.386 ug/l
RT: 7.882 min Scan# 1039
Delta R.T. -0.105 min
Lab File: VD080374.D
Acq: 16 May 2025 16:25

Instrument :
MSVOA_D
ClientSampleId :
GVD12

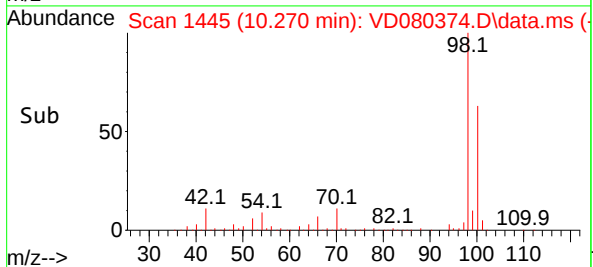
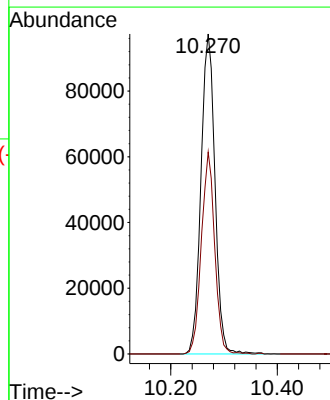
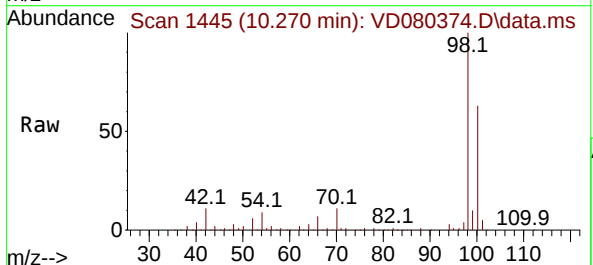


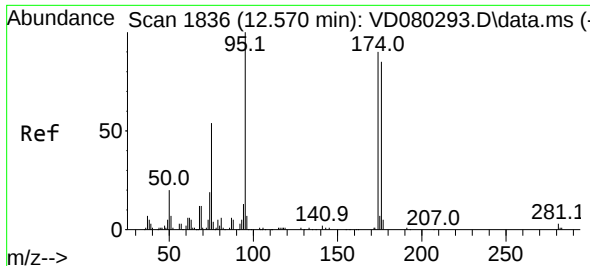
Tgt Ion:117 Resp: 9184
Ion Ratio Lower Upper
117 100
119 6.0 73.4 110.0#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 41.153 ug/l
RT: 10.270 min Scan# 1445
Delta R.T. 0.001 min
Lab File: VD080374.D
Acq: 16 May 2025 16:25

Tgt Ion: 98 Resp: 177390
Ion Ratio Lower Upper
98 100
100 60.3 50.2 75.4

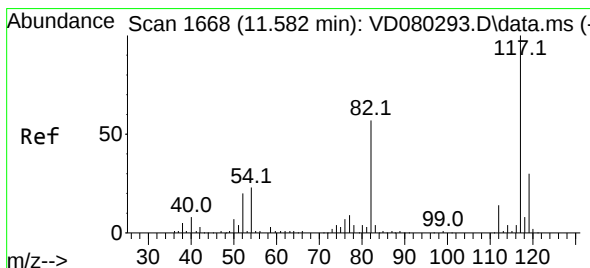
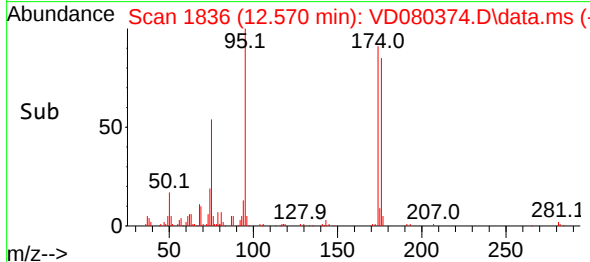
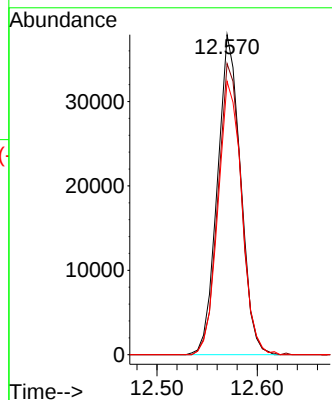
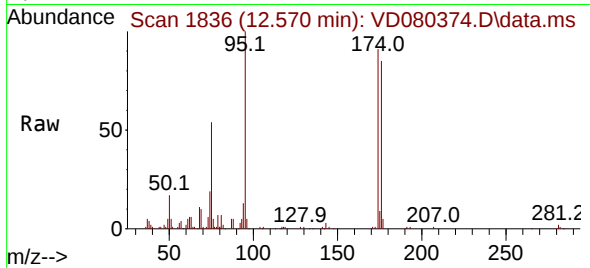




#62
4-Bromofluorobenzene
Concen: 43.993 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.001 min
Lab File: VD080374.D
Acq: 16 May 2025 16:25

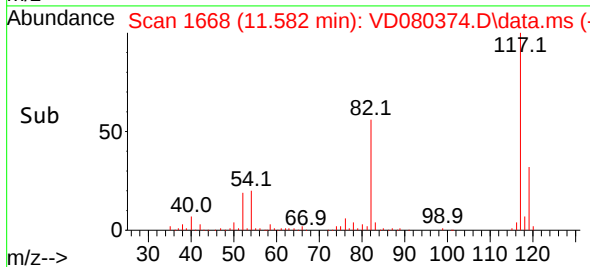
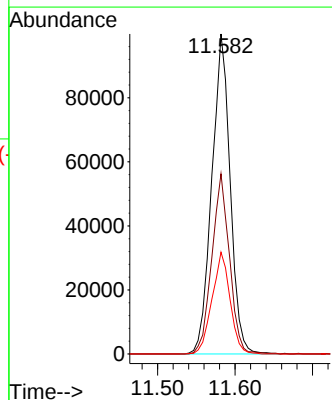
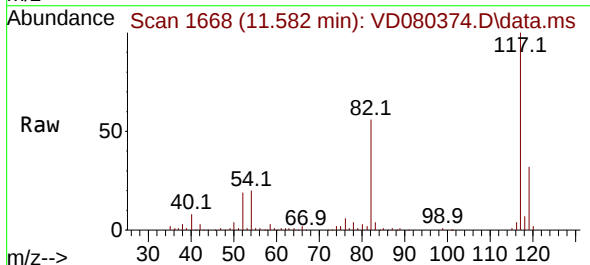
Instrument :
MSVOA_D
ClientSampleId :
GVD12

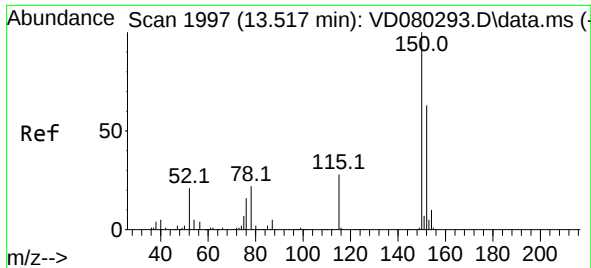
Tgt Ion:	95	Resp:	60865
Ion Ratio	Lower	Upper	
95	100		
174	91.7	0.0	173.4
176	87.7	0.0	166.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 1668
Delta R.T. 0.001 min
Lab File: VD080374.D
Acq: 16 May 2025 16:25

Tgt Ion:	117	Resp:	164240
Ion Ratio	Lower	Upper	
117	100		
82	56.3	45.8	68.6
119	31.8	26.2	39.2

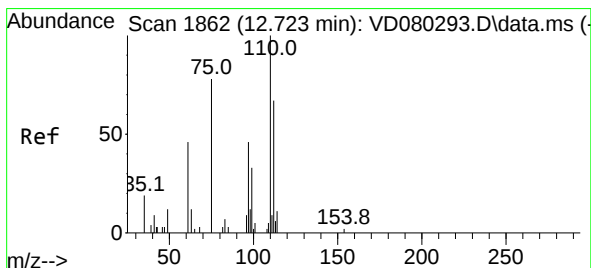
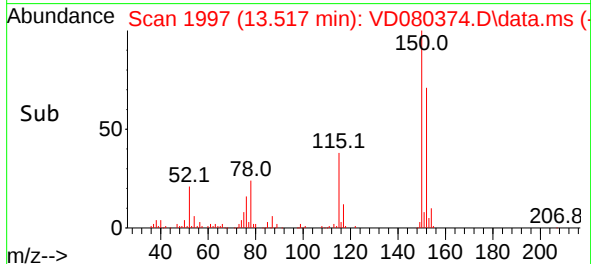
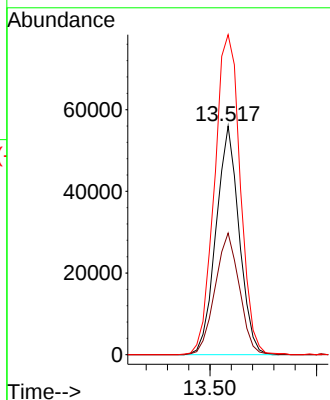
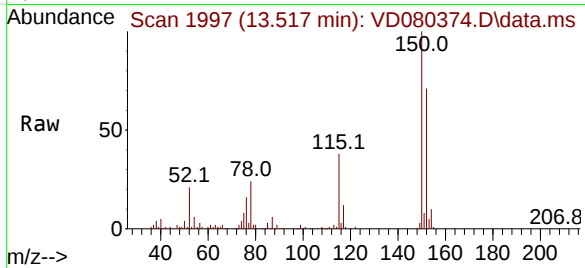




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.517 min Scan# 1997
 Delta R.T. 0.001 min
 Lab File: VD080374.D
 Acq: 16 May 2025 16:25

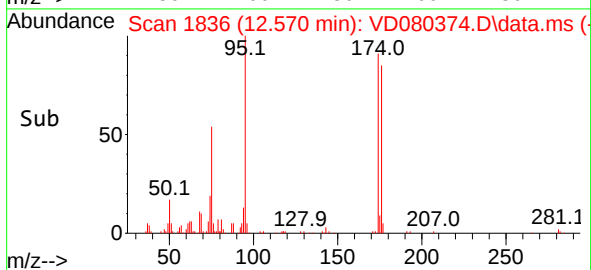
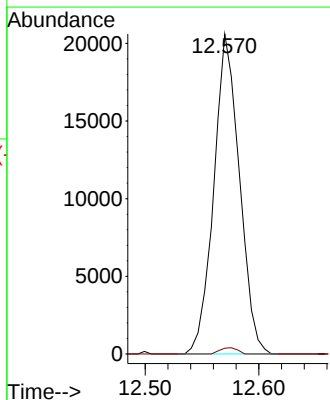
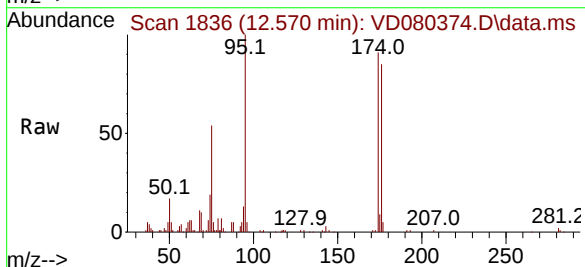
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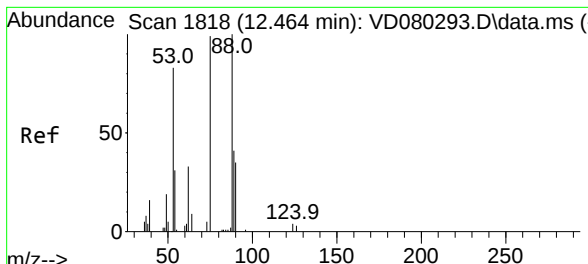
Tgt Ion:152 Resp: 84202
 Ion Ratio Lower Upper
 152 100
 115 55.9 28.9 86.8
 150 155.9 0.0 354.8



#76
 1,2,3-Trichloropropane
 Concen: 39.758 ug/l
 RT: 12.570 min Scan# 1836
 Delta R.T. -0.152 min
 Lab File: VD080374.D
 Acq: 16 May 2025 16:25

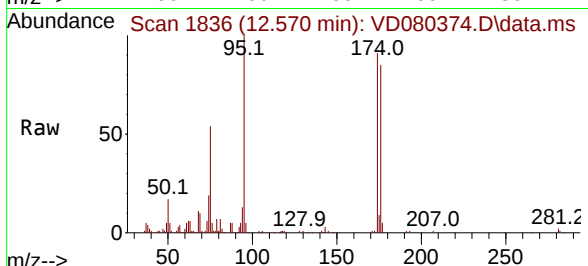
Tgt Ion: 75 Resp: 32310
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 75.468 ug/l
RT: 12.570 min Scan# 11
Delta R.T. 0.101 min
Lab File: VD080374.D
Acq: 16 May 2025 16:25

Instrument :
MSVOA_D
ClientSampleId :
GVD12



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	68.7	103.1#
89	0.0	36.1	54.1#

