

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD053025\
 Data File : VD080400.D
 Acq On : 30 May 2025 11:35
 Operator : RP/MD
 Sample : VIBLK
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Quant Time: May 31 00:44:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D053025S.M
 Quant Title : SW846 8260
 QLast Update : Sat May 31 00:36:06 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.876	168	251065	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	603831	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	598174	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	242402	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	214191	68.328	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	136.660%
35) Dibromofluoromethane	7.805	113	206212	52.542	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.080%
50) Toluene-d8	10.270	98	864547	54.749	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	109.500%
62) 4-Bromofluorobenzene	12.570	95	215847	44.655	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	89.320%

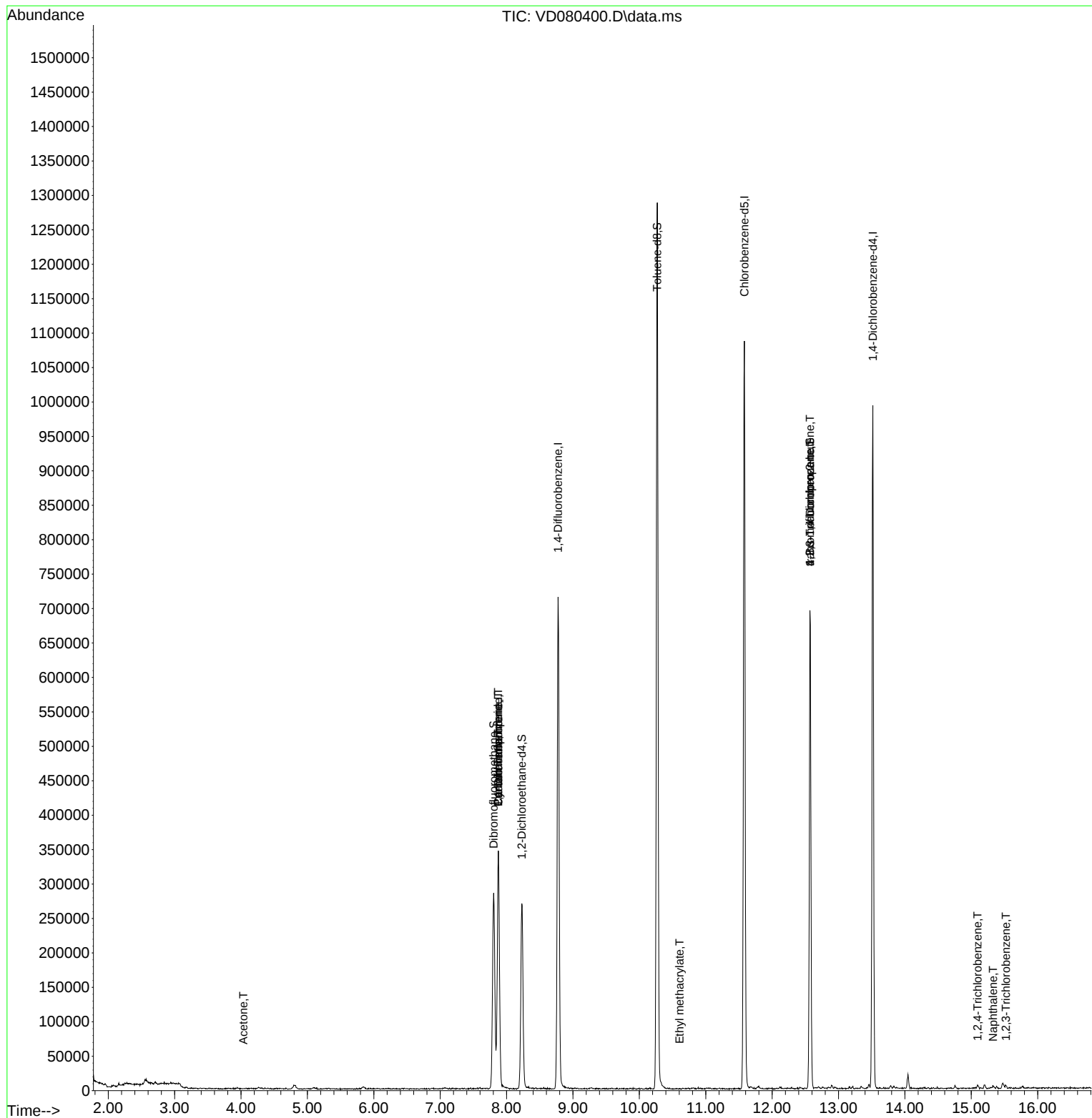
Target Compounds					Qvalue	
16) Acetone	4.035	43	714	1.216	ug/l #	77
31) Cyclohexane	7.876	56	6895	1.265	ug/l #	1
36) 1,1-Dichloropropene	7.876	75	21729	3.602	ug/l #	49
38) Carbon Tetrachloride	7.876	117	25884	4.235	ug/l #	16
56) Ethyl methacrylate	10.605	69	68	3.996	ug/l #	1
76) 1,2,3-Trichloropropane	12.570	75	115983	46.523	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.570	75	115983	92.954	ug/l #	14
93) 1,2,4-Trichlorobenzene	15.093	180	1222	2.986	ug/l	88
95) Naphthalene	15.329	128	3312	4.495	ug/l #	80
96) 1,2,3-Trichlorobenzene	15.523	180	1748	2.732	ug/l	89

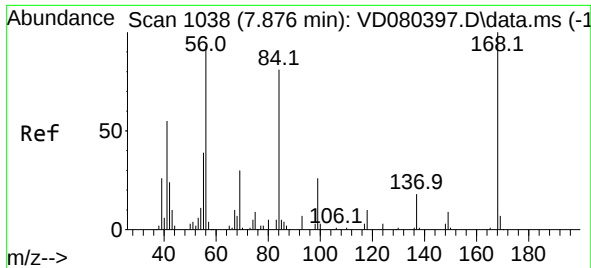
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

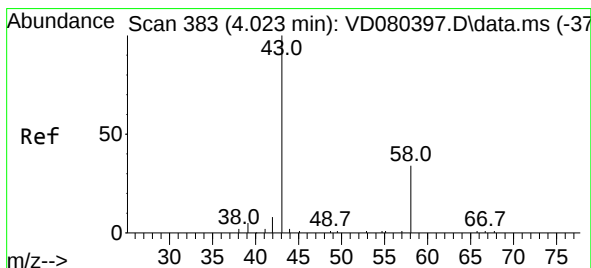
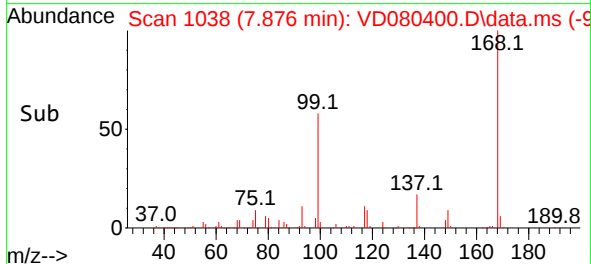
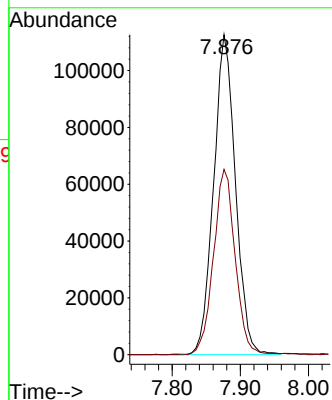
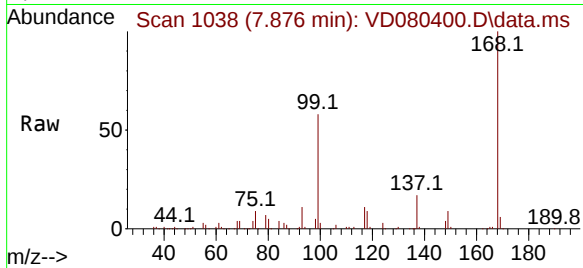




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VD080400.D
Acq: 30 May 2025 11:35

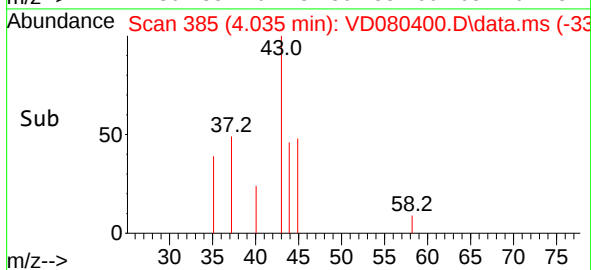
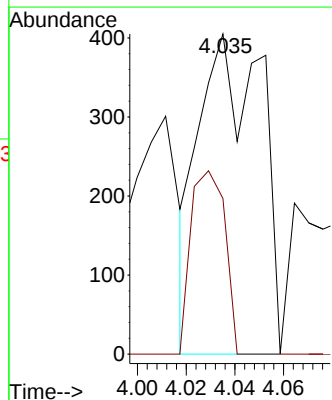
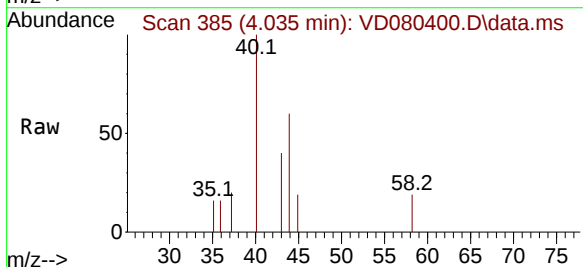
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

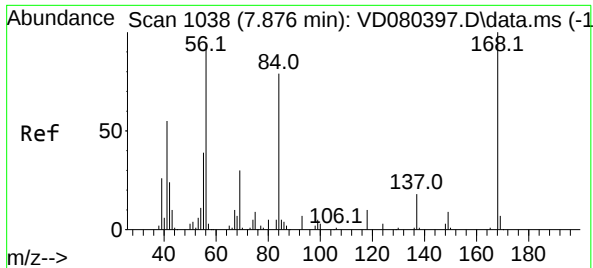
Tgt Ion:168 Resp: 251065
Ion Ratio Lower Upper
168 100
99 57.7 47.5 71.3



#16
Acetone
Concen: 1.216 ug/l
RT: 4.035 min Scan# 385
Delta R.T. 0.012 min
Lab File: VD080400.D
Acq: 30 May 2025 11:35

Tgt Ion: 43 Resp: 714
Ion Ratio Lower Upper
43 100
58 48.6 28.0 42.0#

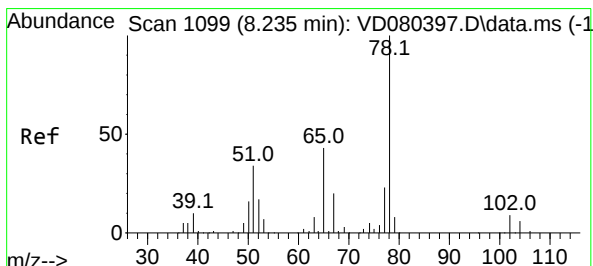
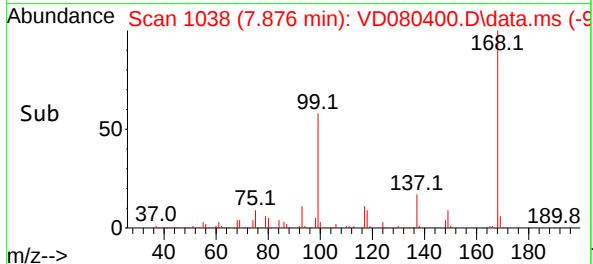
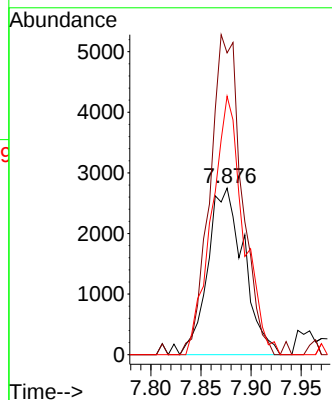
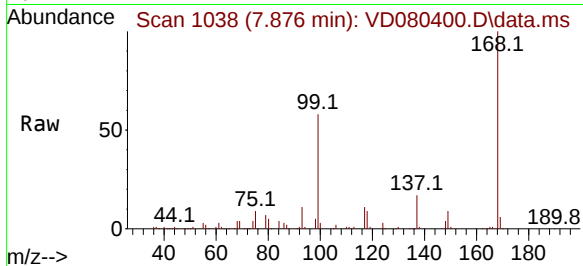




#31
Cyclohexane
Concen: 1.265 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VD080400.D
Acq: 30 May 2025 11:35

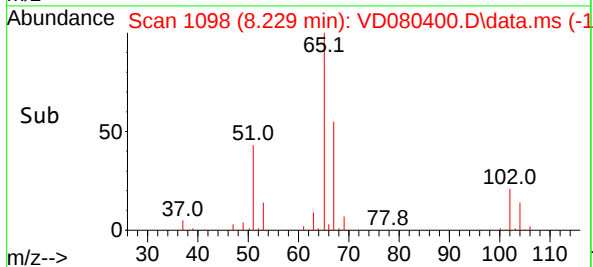
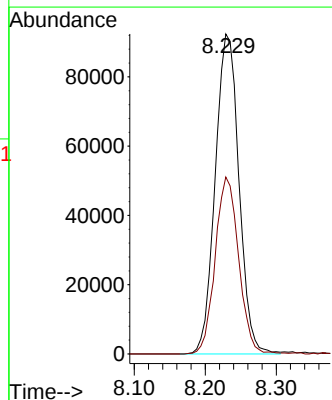
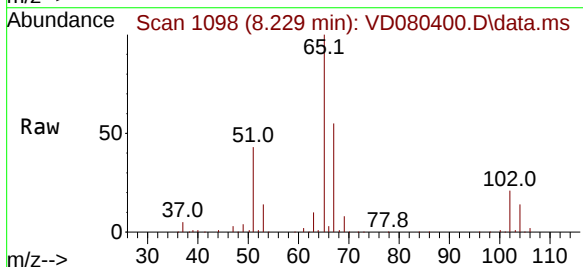
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

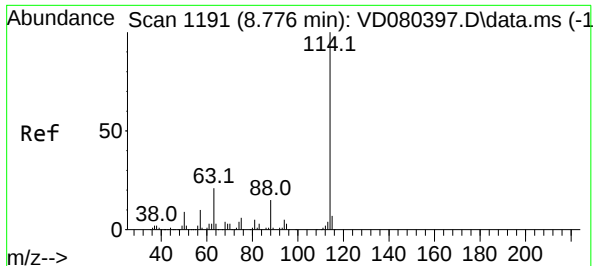
Tgt Ion: 56 Resp: 6895
Ion Ratio Lower Upper
56 100
69 181.2 25.5 38.3#
84 155.1 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 68.328 ug/l
RT: 8.229 min Scan# 1098
Delta R.T. -0.006 min
Lab File: VD080400.D
Acq: 30 May 2025 11:35

Tgt Ion: 65 Resp: 214191
Ion Ratio Lower Upper
65 100
67 54.7 0.0 109.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.776 min Scan# 1191

Delta R.T. 0.000 min

Lab File: VD080400.D

Acq: 30 May 2025 11:35

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

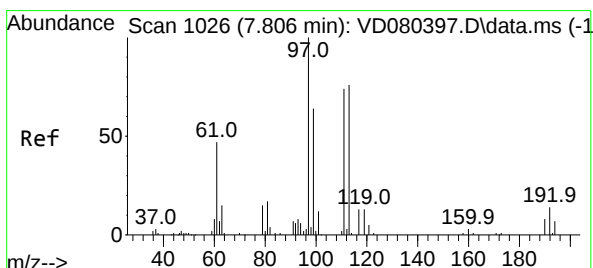
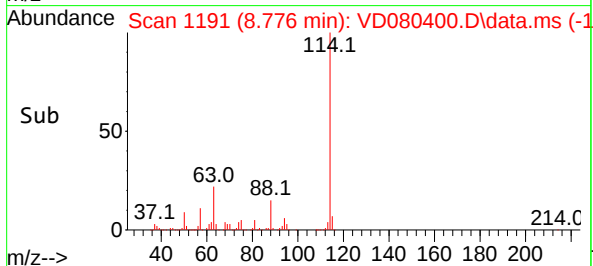
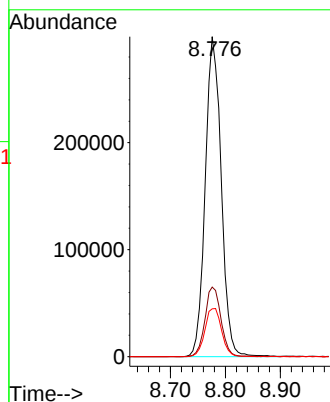
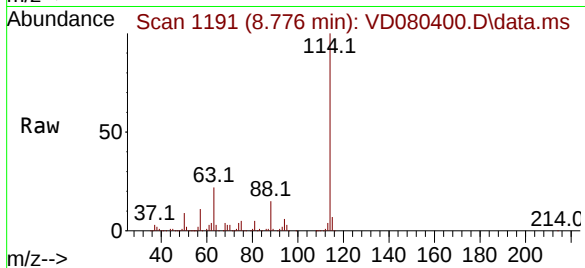
Tgt Ion:114 Resp: 603831

Ion Ratio Lower Upper

114 100

63 21.7 0.0 42.4

88 15.0 0.0 29.6



#35

Dibromofluoromethane

Concen: 52.542 ug/l

RT: 7.805 min Scan# 1026

Delta R.T. -0.000 min

Lab File: VD080400.D

Acq: 30 May 2025 11:35

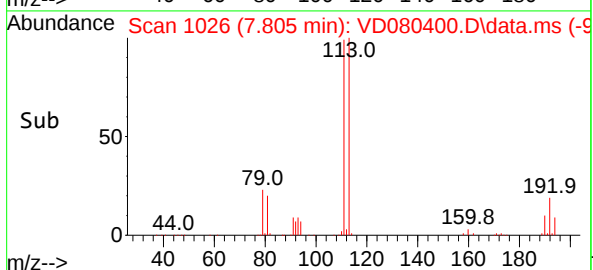
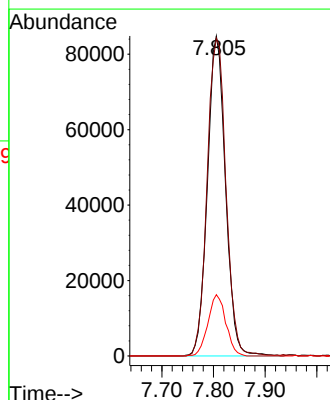
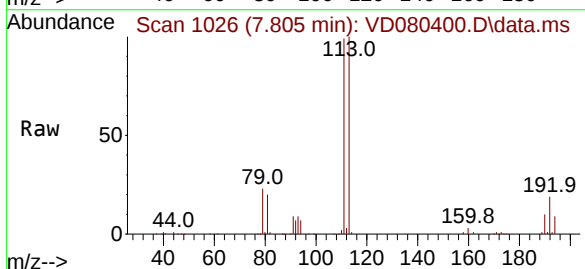
Tgt Ion:113 Resp: 206212

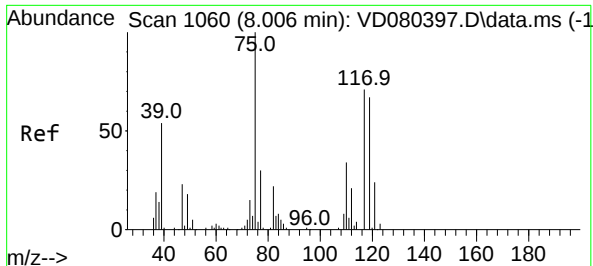
Ion Ratio Lower Upper

113 100

111 103.2 84.2 126.4

192 19.0 16.1 24.1





#36

1,1-Dichloropropene

Concen: 3.602 ug/l

RT: 7.876 min Scan# 1038

Delta R.T. -0.130 min

Lab File: VD080400.D

Acq: 30 May 2025 11:35

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

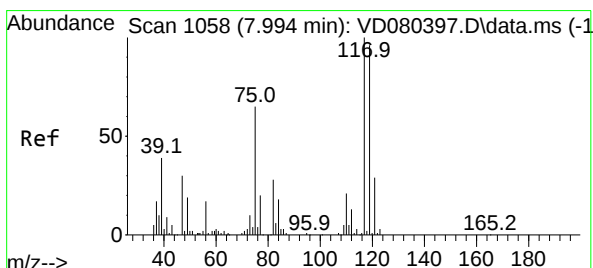
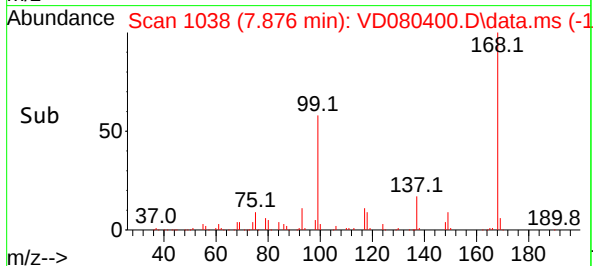
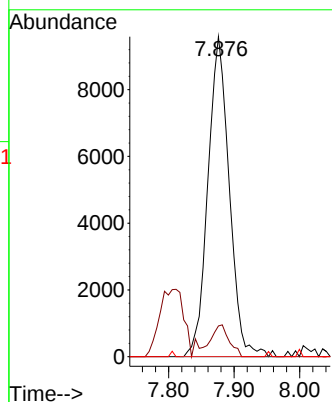
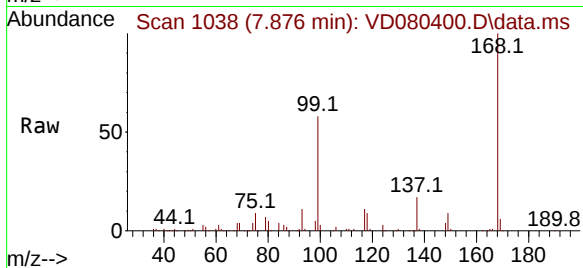
Tgt Ion: 75 Resp: 21729

Ion Ratio Lower Upper

75 100

110 8.2 16.9 50.7#

77 0.0 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 4.235 ug/l

RT: 7.876 min Scan# 1038

Delta R.T. -0.118 min

Lab File: VD080400.D

Acq: 30 May 2025 11:35

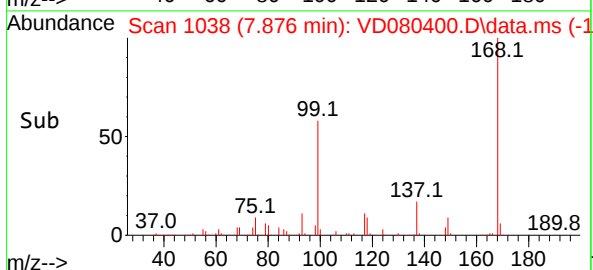
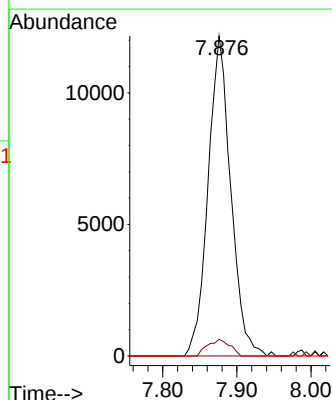
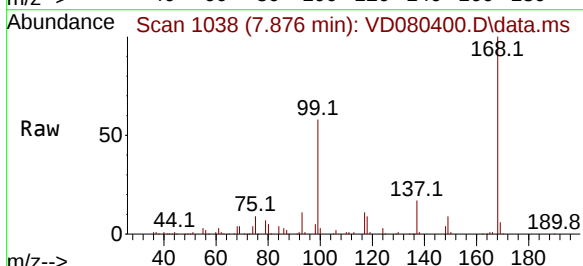
Tgt Ion: 117 Resp: 25884

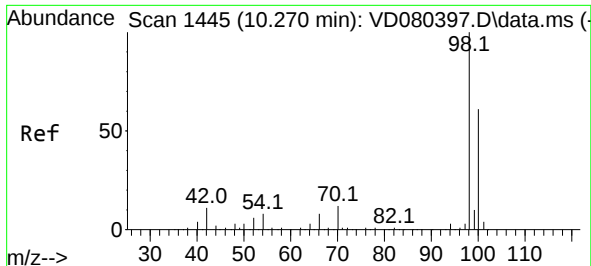
Ion Ratio Lower Upper

117 100

119 5.2 77.3 115.9#

121 0.0 23.3 34.9#

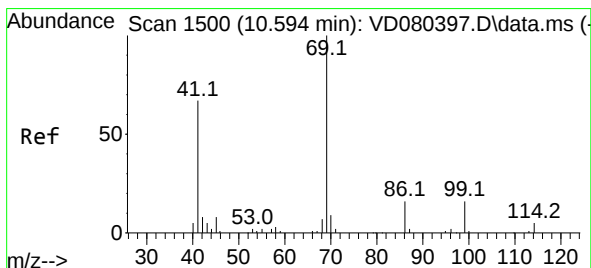
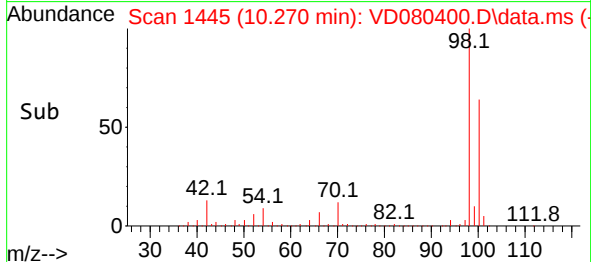
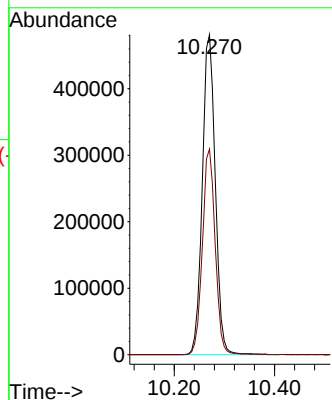
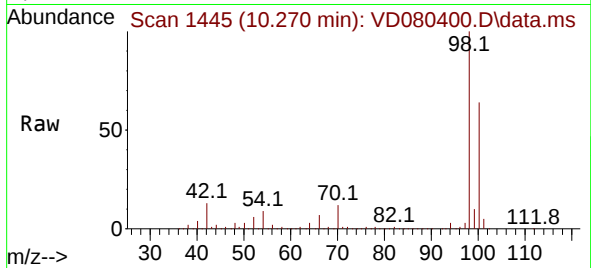




#50
Toluene-d8
Concen: 54.749 ug/l
RT: 10.270 min Scan# 1445
Delta R.T. -0.000 min
Lab File: VD080400.D
Acq: 30 May 2025 11:35

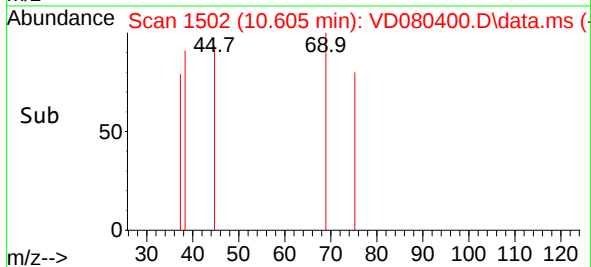
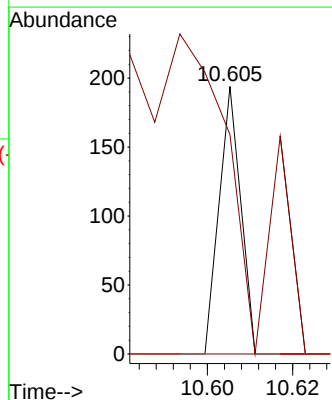
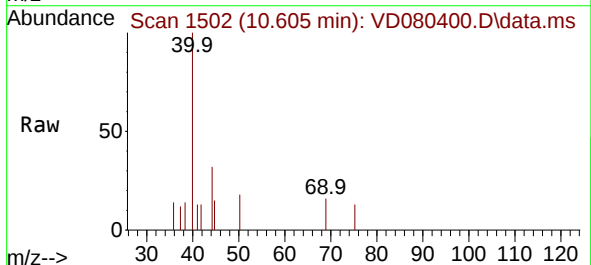
Instrument :
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VIBLK

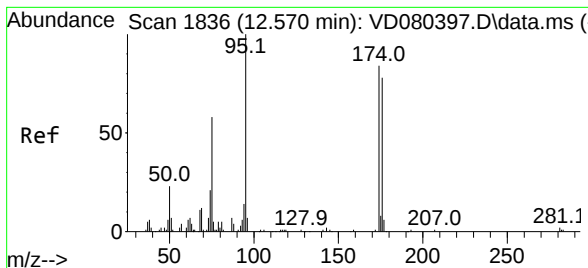
Tgt Ion: 98 Resp: 864547
Ion Ratio Lower Upper
98 100
100 63.2 50.3 75.5



#56
Ethyl methacrylate
Concen: 3.996 ug/l
RT: 10.605 min Scan# 1502
Delta R.T. 0.011 min
Lab File: VD080400.D
Acq: 30 May 2025 11:35

Tgt Ion: 69 Resp: 68
Ion Ratio Lower Upper
69 100
41 591.2 54.4 81.6#
39 0.0 28.0 42.0#

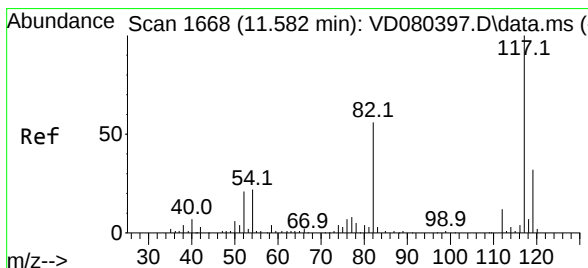
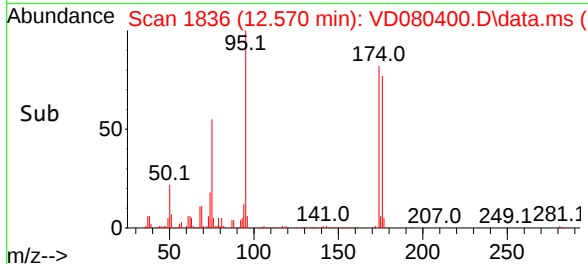
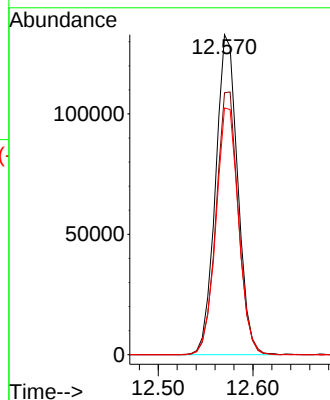
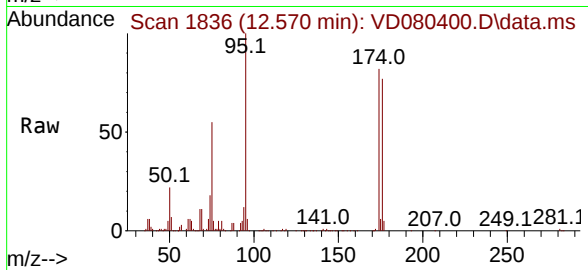




#62
4-Bromofluorobenzene
Concen: 44.655 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VD080400.D
Acq: 30 May 2025 11:35

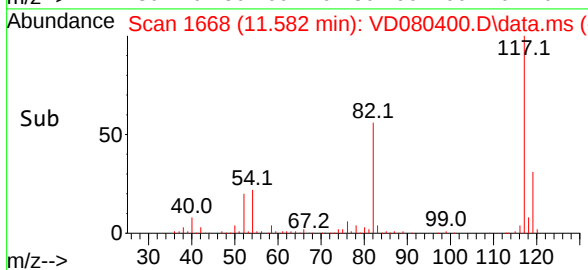
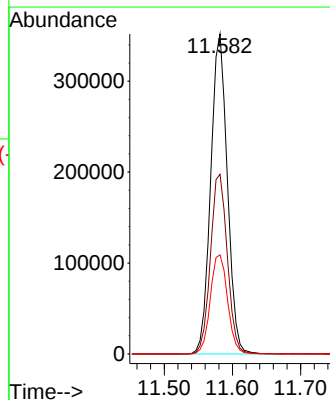
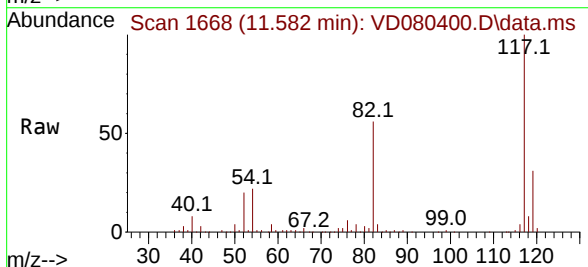
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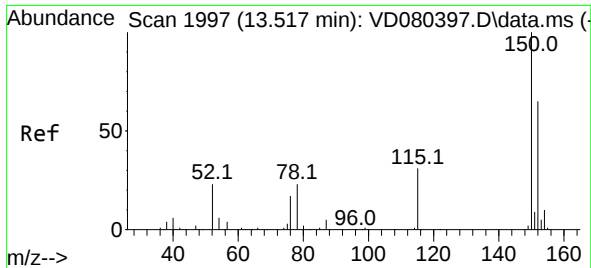
Tgt Ion: 95 Resp: 215847
Ion Ratio Lower Upper
95 100
174 82.5 0.0 164.8
176 78.8 0.0 158.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 1668
Delta R.T. -0.000 min
Lab File: VD080400.D
Acq: 30 May 2025 11:35

Tgt Ion: 117 Resp: 598174
Ion Ratio Lower Upper
117 100
82 56.1 45.0 67.4
119 30.9 25.6 38.4

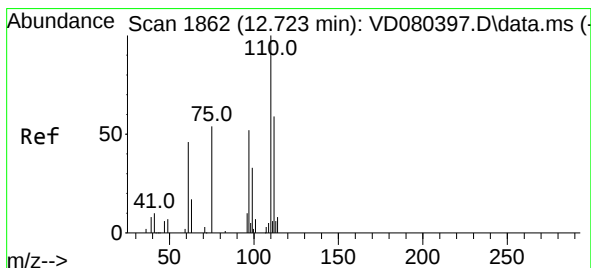
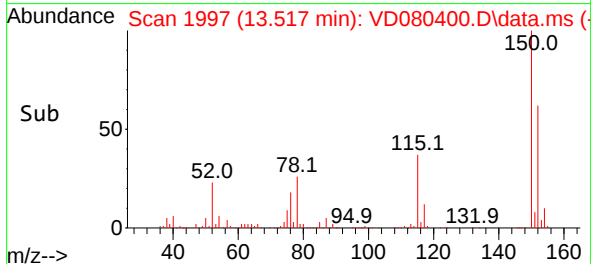
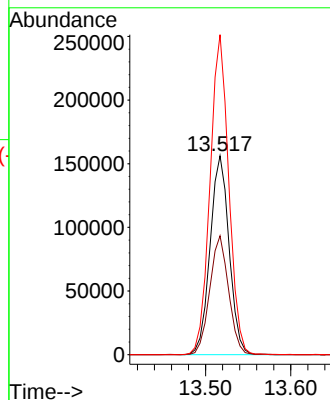
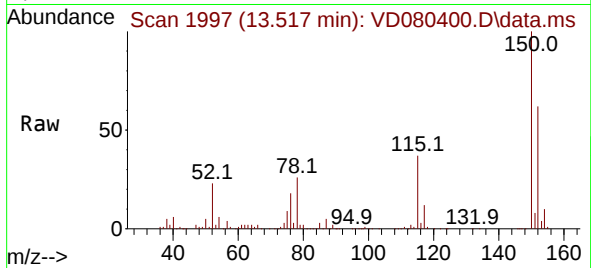




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.517 min Scan# 1997
 Delta R.T. -0.000 min
 Lab File: VD080400.D
 Acq: 30 May 2025 11:35

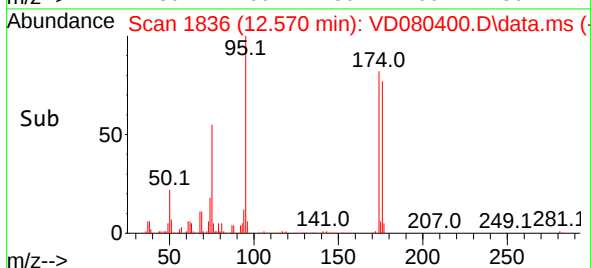
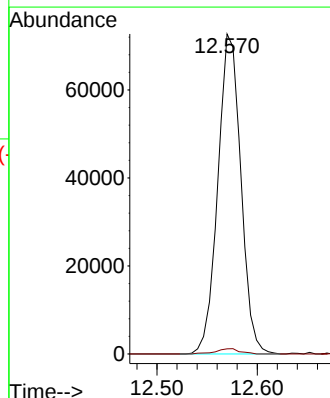
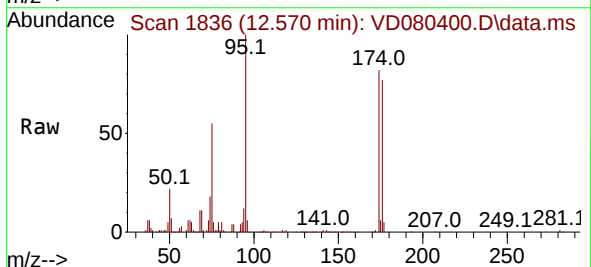
Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

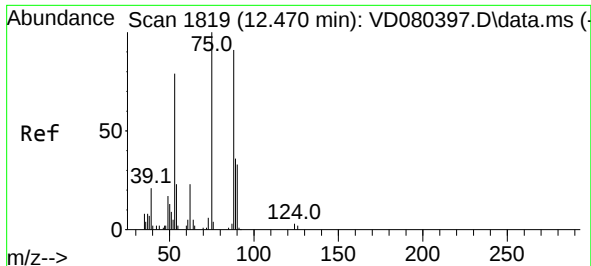
Tgt Ion:152 Resp: 242402
 Ion Ratio Lower Upper
 152 100
 115 59.2 30.1 90.5
 150 158.1 0.0 350.6



#76
 1,2,3-Trichloropropane
 Concen: 46.523 ug/l
 RT: 12.570 min Scan# 1836
 Delta R.T. -0.153 min
 Lab File: VD080400.D
 Acq: 30 May 2025 11:35

Tgt Ion: 75 Resp: 115983
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#

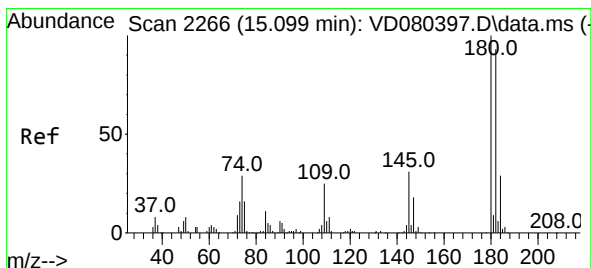
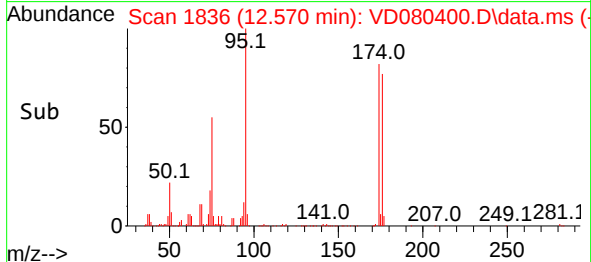
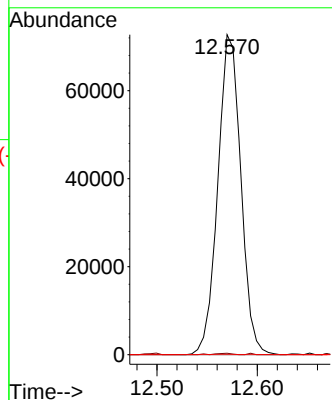
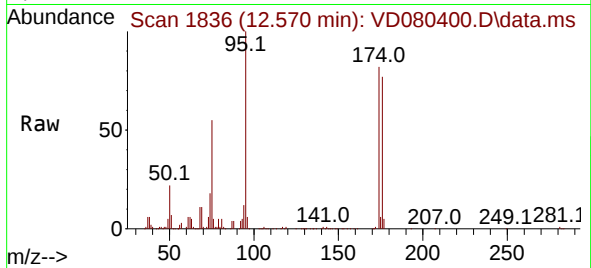




#81
trans-1,4-Dichloro-2-butene
Concen: 92.954 ug/l
RT: 12.570 min Scan# 11
Delta R.T. 0.100 min
Lab File: VD080400.D
Acq: 30 May 2025 11:35

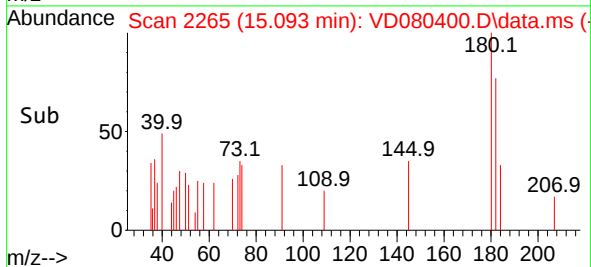
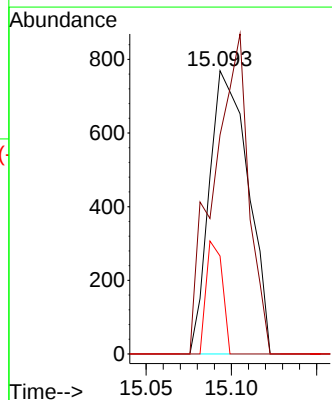
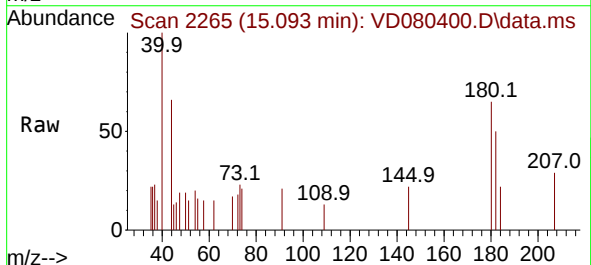
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

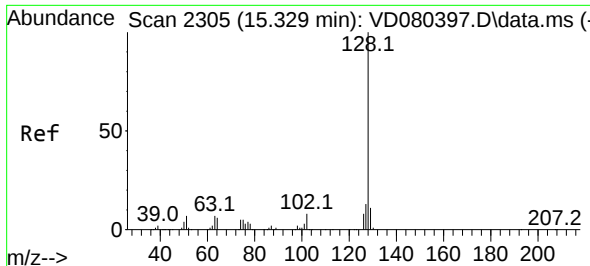
Tgt Ion: 75 Resp: 115983
Ion Ratio Lower Upper
75 100
53 0.3 72.3 108.5#
89 0.0 35.7 53.5#



#93
1,2,4-Trichlorobenzene
Concen: 2.986 ug/l
RT: 15.093 min Scan# 2265
Delta R.T. -0.006 min
Lab File: VD080400.D
Acq: 30 May 2025 11:35

Tgt Ion: 180 Resp: 1222
Ion Ratio Lower Upper
180 100
182 101.7 46.9 140.7
145 16.5 14.5 43.5

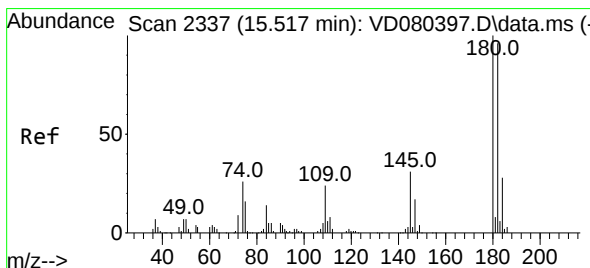
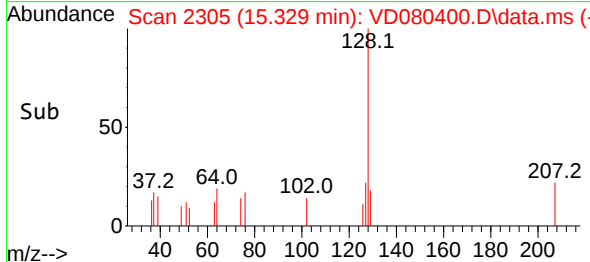
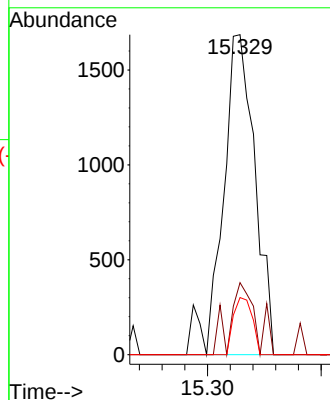
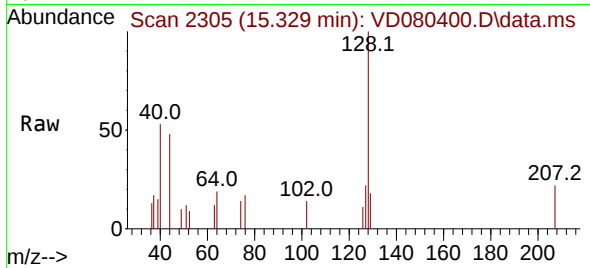




#95
Naphthalene
Concen: 4.495 ug/l
RT: 15.329 min Scan# 21
Delta R.T. -0.000 min
Lab File: VD080400.D
Acq: 30 May 2025 11:35

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion:128 Resp: 3312
Ion Ratio Lower Upper
128 100
127 22.5 10.7 16.1#
129 17.9 9.0 13.6#



#96
1,2,3-Trichlorobenzene
Concen: 2.732 ug/l
RT: 15.523 min Scan# 2338
Delta R.T. 0.006 min
Lab File: VD080400.D
Acq: 30 May 2025 11:35

Tgt Ion:180 Resp: 1748
Ion Ratio Lower Upper
180 100
182 81.6 47.0 141.2
145 27.6 15.4 46.4

