

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051325\
 Data File : VD080311.D
 Acq On : 13 May 2025 19:43
 Operator : RP/MD
 Sample : Q2004-07
 Misc : 3.42G/10ml/MSVOA_D/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 205510

Quant Time: May 14 01:36:08 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)

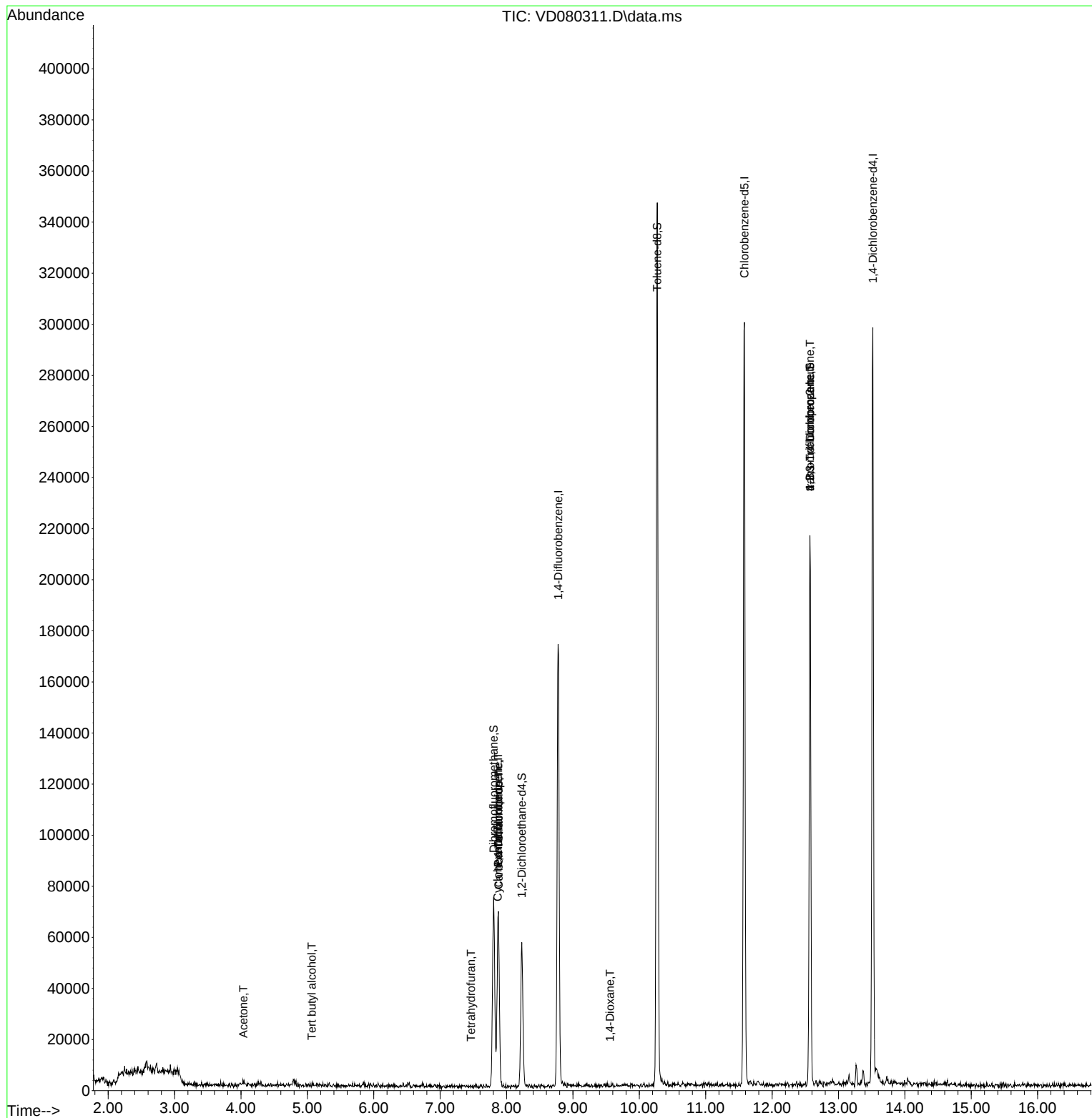
Internal Standards						
1) Pentafluorobenzene	7.876	168	51451	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	152566	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	168199	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	81531	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	44687	67.163	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 134.320%	
35) Dibromofluoromethane	7.806	113	49996	48.893	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.780%	
50) Toluene-d8	10.270	98	236928	58.806	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 117.620%	
62) 4-Bromofluorobenzene	12.570	95	65833	50.908	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 101.820%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.147	85	58	Below Cal	#	43
3) Chloromethane	2.147	50	240	Below Cal	#	39
11) Tert butyl alcohol	5.065	59	59	1.461	ug/l #	82
16) Acetone	4.035	43	2492	4.899	ug/l #	81
20) Methylene Chloride	4.782	84	703	Below Cal	#	62
29) Tetrahydrofuran	7.465	42	145	1.215	ug/l #	32
31) Cyclohexane	7.864	56	1539	1.424	ug/l #	36
36) 1,1-Dichloropropene	7.876	75	4808	3.146	ug/l #	47
38) Carbon Tetrachloride	7.882	117	5145	3.228	ug/l #	20
49) 1,4-Dioxane	9.559	88	75	9.435	ug/l #	20
76) 1,2,3-Trichloropropane	12.570	75	33436	42.492	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.570	75	33436	80.657	ug/l #	15

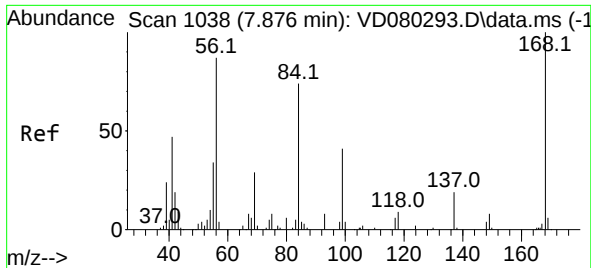
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 14 01:36:08 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

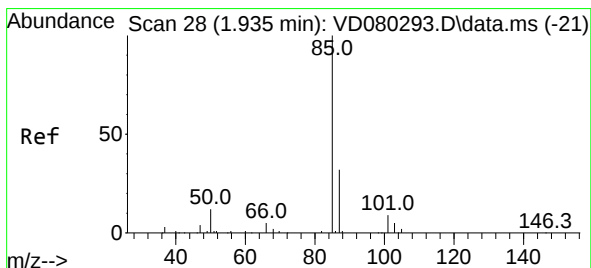
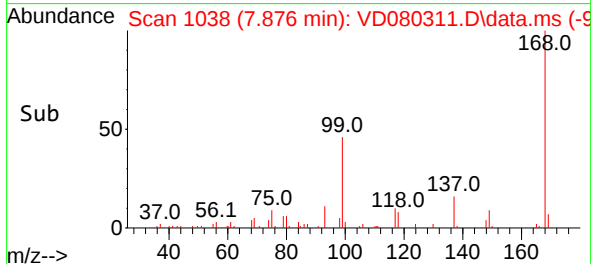
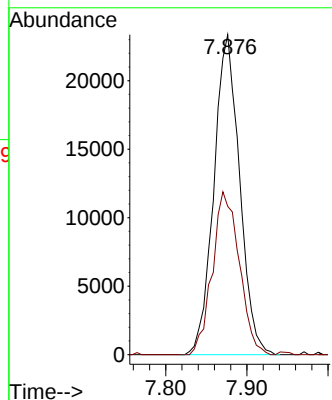
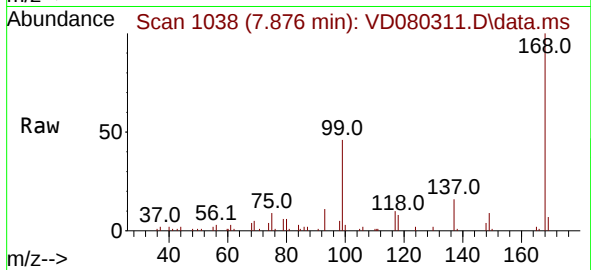




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 10
Delta R.T. 0.001 min
Lab File: VD080311.D
Acq: 13 May 2025 19:43

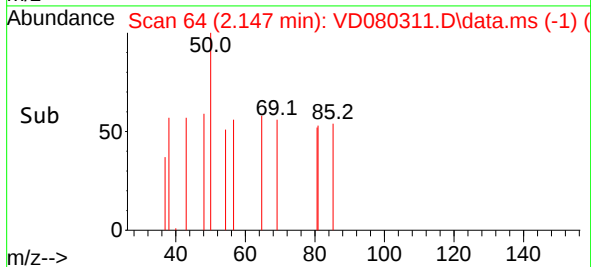
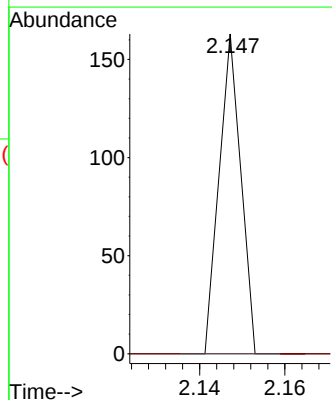
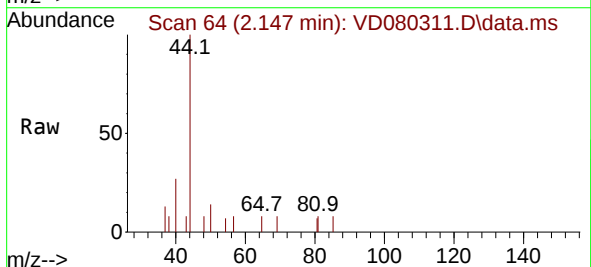
Instrument :
MSVOA_D
ClientSampleId :
205510

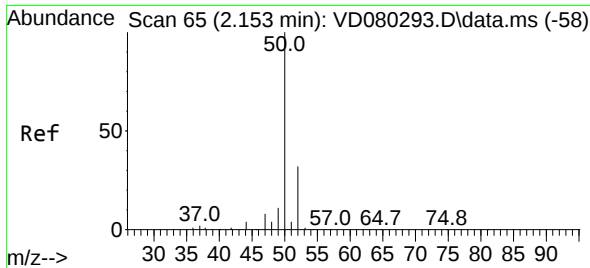
Tgt Ion:168 Resp: 51451
Ion Ratio Lower Upper
168 100
99 46.4 46.0 69.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 2.147 min Scan# 64
Delta R.T. 0.213 min
Lab File: VD080311.D
Acq: 13 May 2025 19:43

Tgt Ion: 85 Resp: 58
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

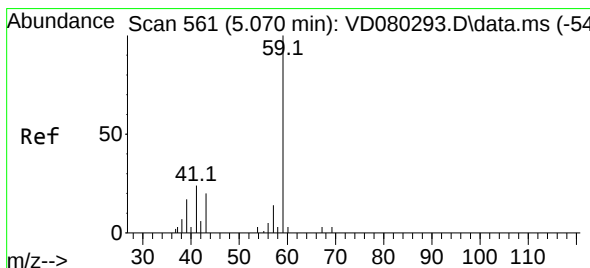
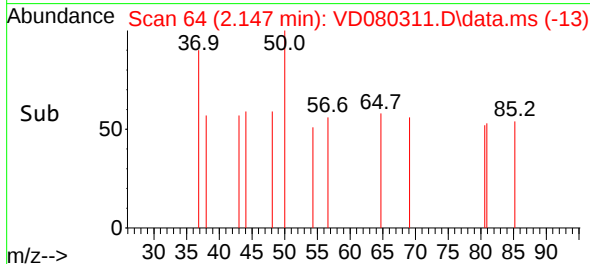
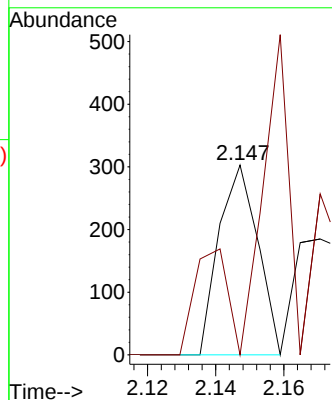
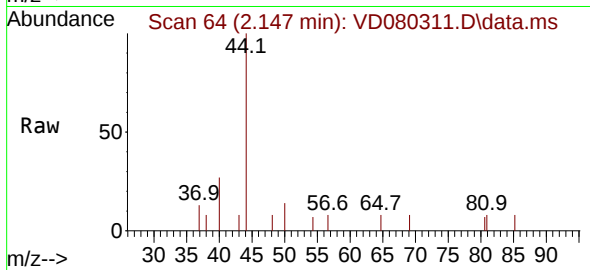




#3
Chloromethane
Concen: Below Cal
RT: 2.147 min Scan# 64
Delta R.T. 0.001 min
Lab File: VD080311.D
Acq: 13 May 2025 19:43

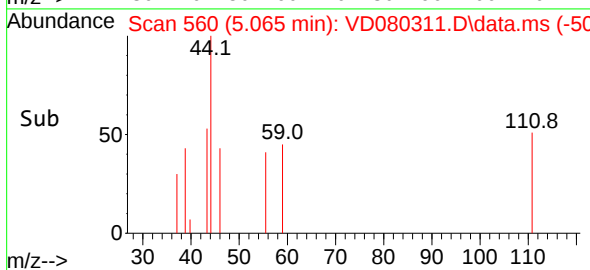
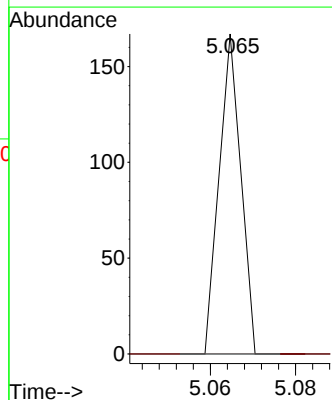
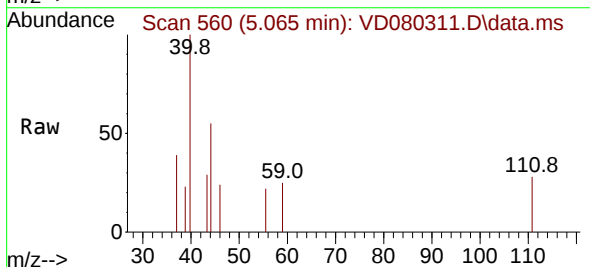
Instrument :
MSVOA_D
ClientSampleId :
205510

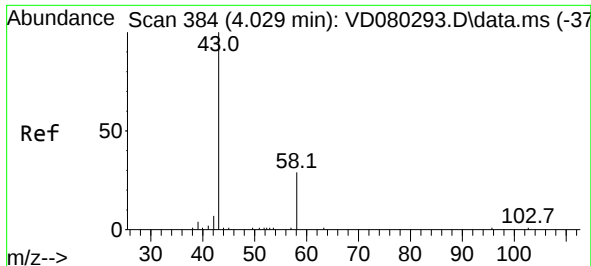
Tgt Ion: 50 Resp: 240
Ion Ratio Lower Upper
50 100
52 0.0 28.8 43.2#



#11
Tert butyl alcohol
Concen: 1.461 ug/l
RT: 5.065 min Scan# 560
Delta R.T. 0.007 min
Lab File: VD080311.D
Acq: 13 May 2025 19:43

Tgt Ion: 59 Resp: 59
Ion Ratio Lower Upper
59 100
57 0.0 4.8 7.2#

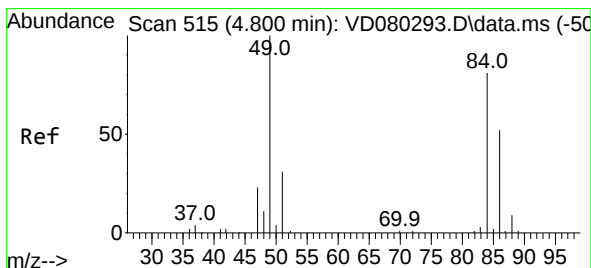
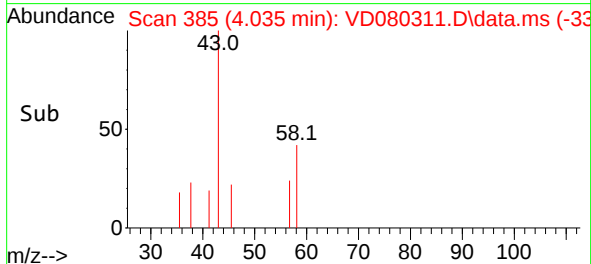
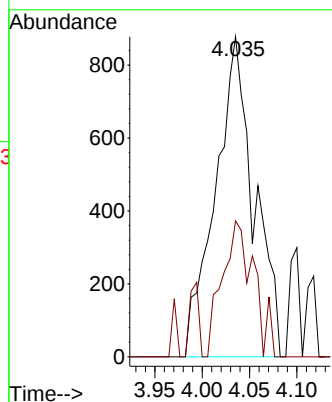
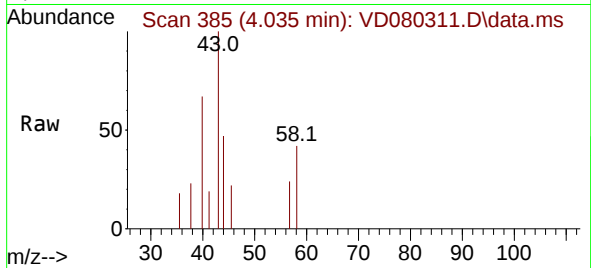




#16
Acetone
Concen: 4.899 ug/l
RT: 4.035 min Scan# 385
Delta R.T. 0.012 min
Lab File: VD080311.D
Acq: 13 May 2025 19:43

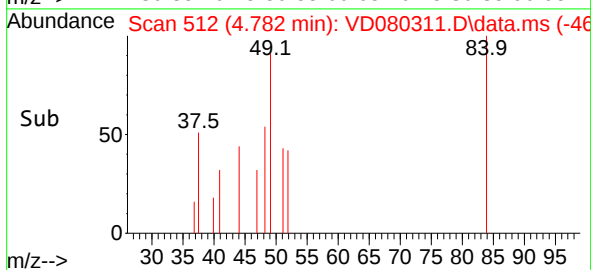
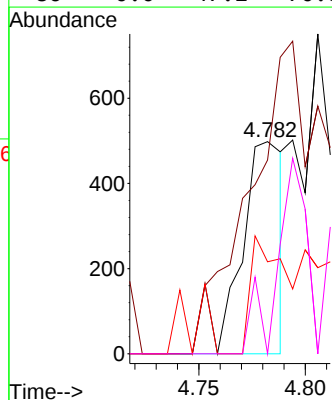
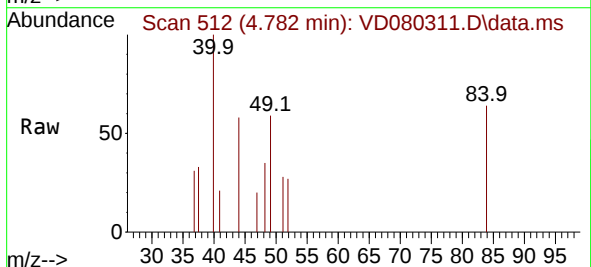
Instrument :
MSVOA_D
ClientSampleId :
205510

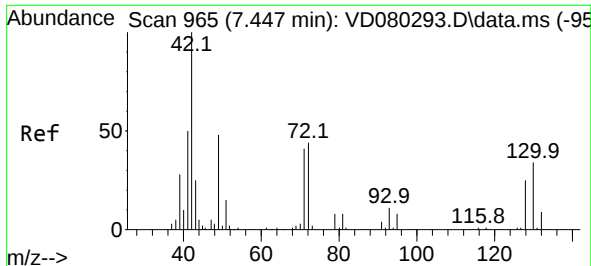
Tgt Ion: 43 Resp: 2492
Ion Ratio Lower Upper
43 100
58 42.5 25.4 38.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.782 min Scan# 512
Delta R.T. -0.023 min
Lab File: VD080311.D
Acq: 13 May 2025 19:43

Tgt Ion: 84 Resp: 703
Ion Ratio Lower Upper
84 100
49 91.4 86.5 129.7
51 13.3 26.9 40.3#
86 0.0 47.2 70.8#





#29

Tetrahydrofuran

Concen: 1.215 ug/l

RT: 7.465 min Scan# 9

Delta R.T. 0.019 min

Lab File: VD080311.D

Acq: 13 May 2025 19:43

Instrument :

MSVOA_D

ClientSampleId :

205510

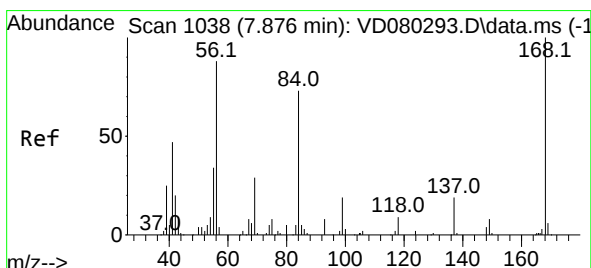
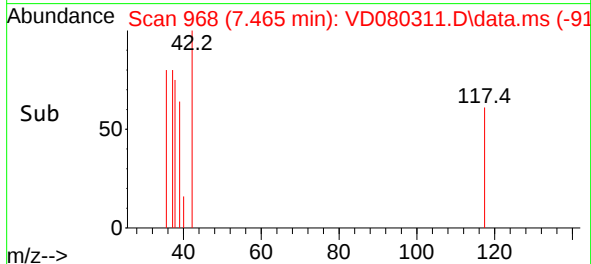
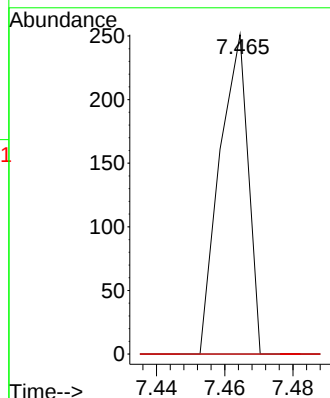
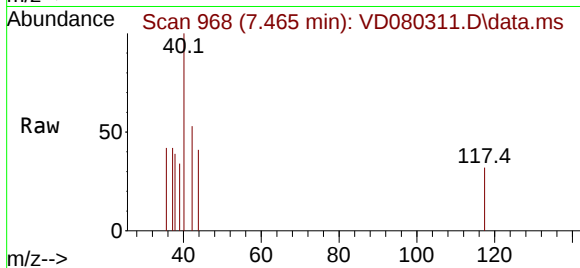
Tgt Ion: 42 Resp: 145

Ion Ratio Lower Upper

42 100

72 0.0 36.7 55.1#

71 0.0 34.4 51.6#



#31

Cyclohexane

Concen: 1.424 ug/l

RT: 7.864 min Scan# 1036

Delta R.T. -0.017 min

Lab File: VD080311.D

Acq: 13 May 2025 19:43

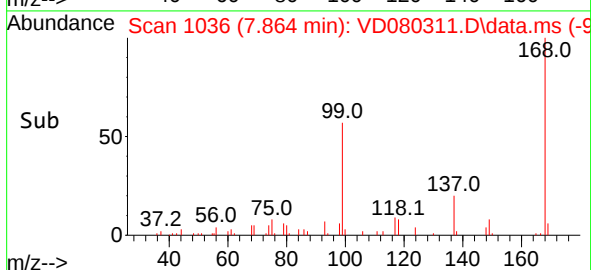
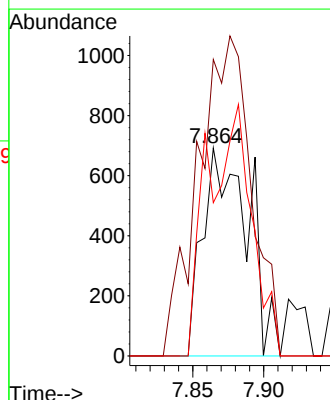
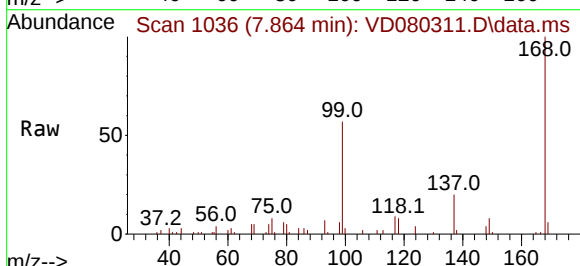
Tgt Ion: 56 Resp: 1539

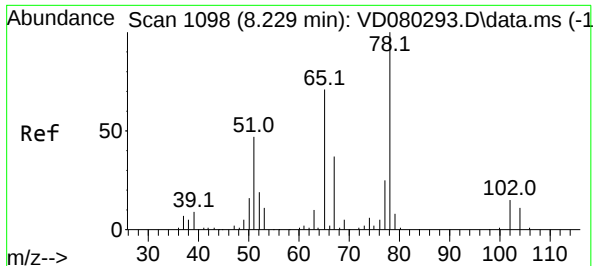
Ion Ratio Lower Upper

56 100

69 142.6 27.3 40.9#

84 73.7 70.2 105.4





#33

1,2-Dichloroethane-d4

Concen: 67.163 ug/l

RT: 8.229 min Scan# 1098

Delta R.T. 0.001 min

Lab File: VD080311.D

Acq: 13 May 2025 19:43

Instrument :

MSVOA_D

ClientSampleId :

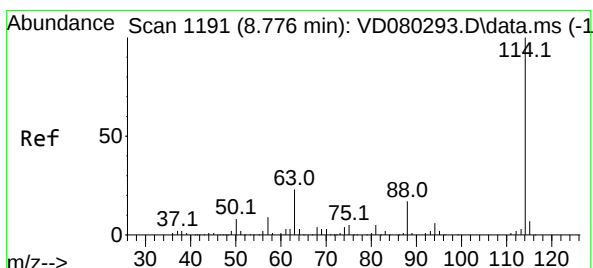
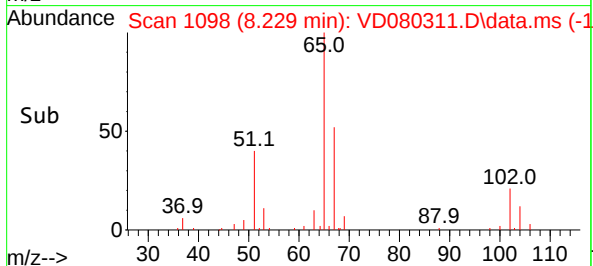
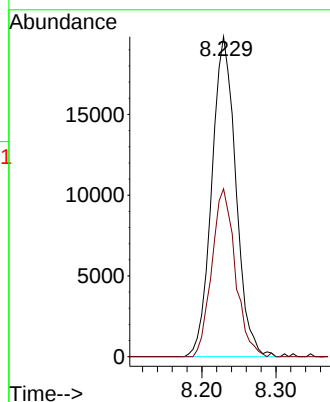
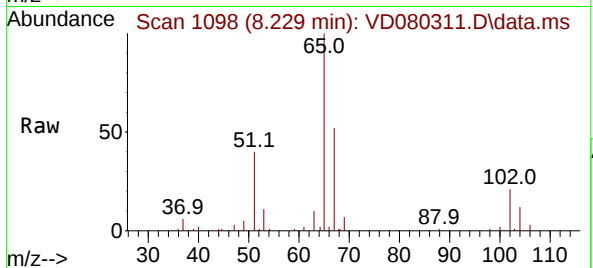
205510

Tgt Ion: 65 Resp: 44687

Ion Ratio Lower Upper

65 100

67 51.2 0.0 109.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.776 min Scan# 1191

Delta R.T. 0.001 min

Lab File: VD080311.D

Acq: 13 May 2025 19:43

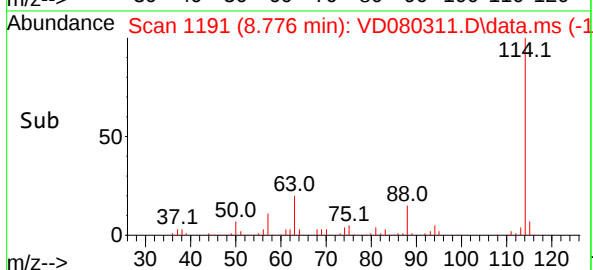
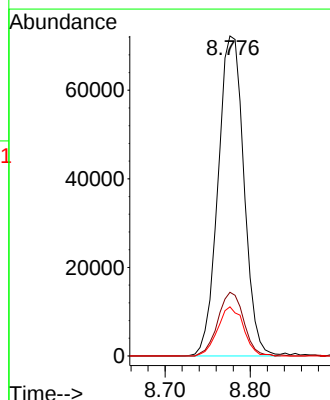
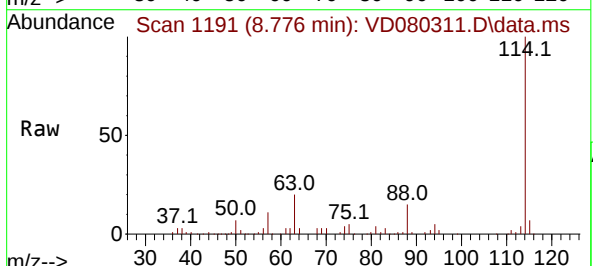
Tgt Ion: 114 Resp: 152566

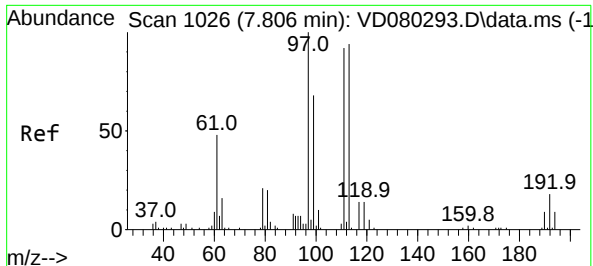
Ion Ratio Lower Upper

114 100

63 19.9 0.0 38.8

88 15.4 0.0 30.6

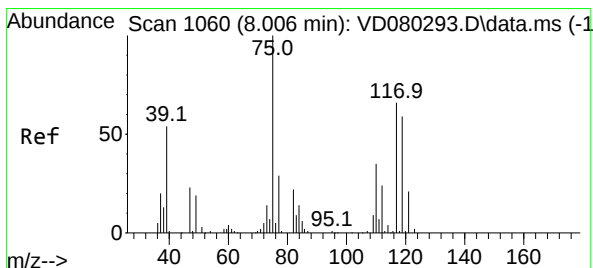
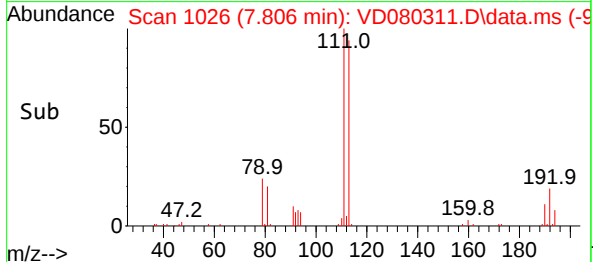
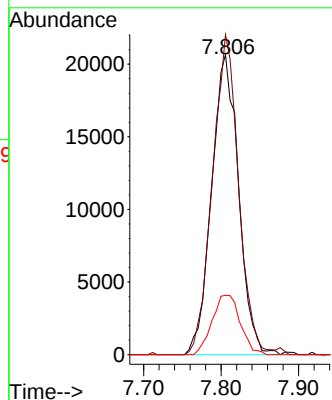
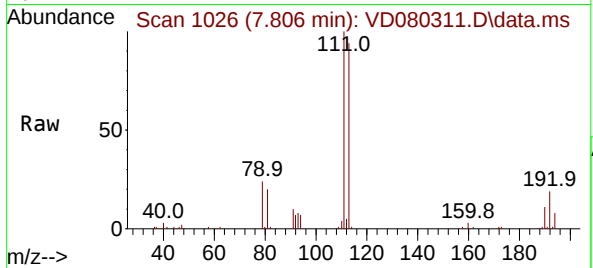




#35
Dibromofluoromethane
Concen: 48.893 ug/l
RT: 7.806 min Scan# 1026
Delta R.T. 0.001 min
Lab File: VD080311.D
Acq: 13 May 2025 19:43

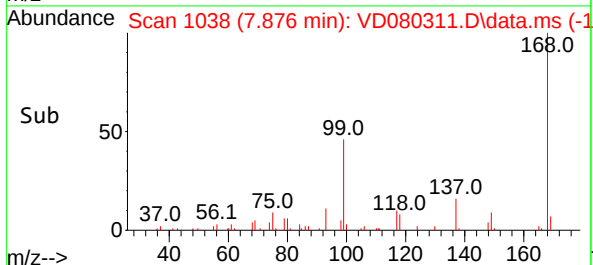
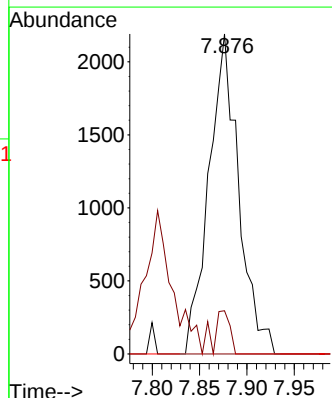
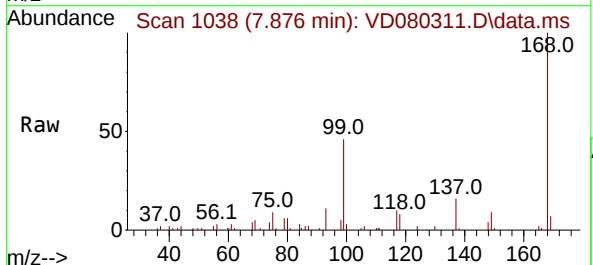
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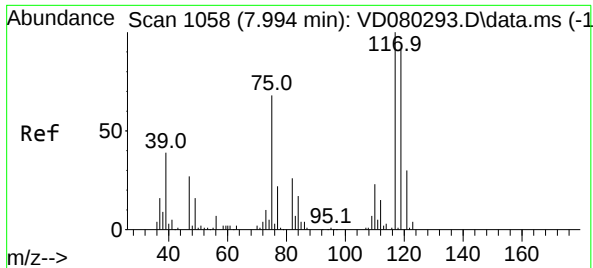
Tgt Ion:113 Resp: 49996
Ion Ratio Lower Upper
113 100
111 103.2 82.5 123.7
192 20.7 16.6 25.0



#36
1,1-Dichloropropene
Concen: 3.146 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. -0.129 min
Lab File: VD080311.D
Acq: 13 May 2025 19:43

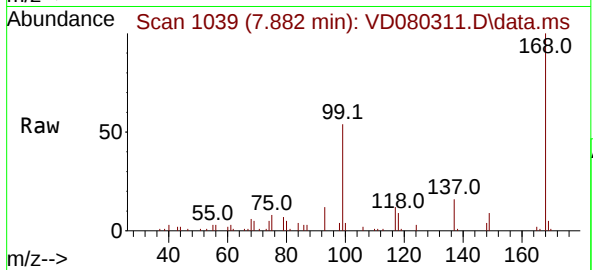
Tgt Ion: 75 Resp: 4808
Ion Ratio Lower Upper
75 100
110 7.3 18.4 55.0#
77 0.0 25.6 38.4#



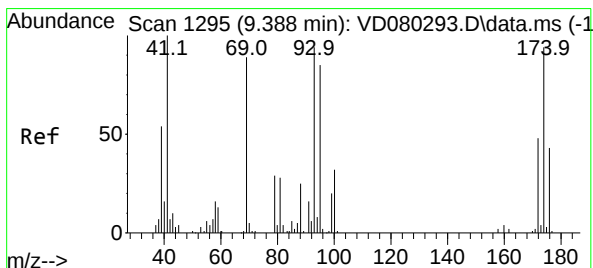
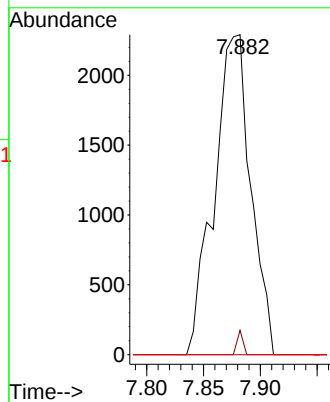
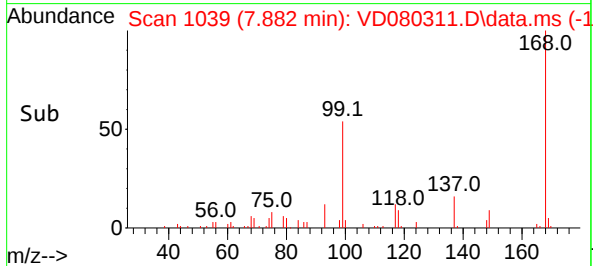


#38
Carbon Tetrachloride
Concen: 3.228 ug/l
RT: 7.882 min Scan# 1039
Delta R.T. -0.105 min
Lab File: VD080311.D
Acq: 13 May 2025 19:43

Instrument :
MSVOA_D
ClientSampleId :
205510

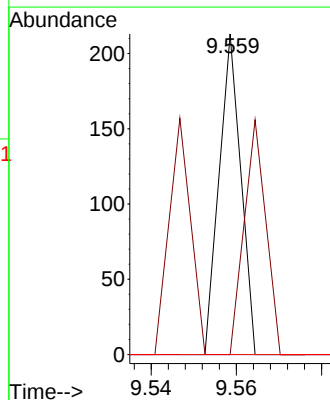
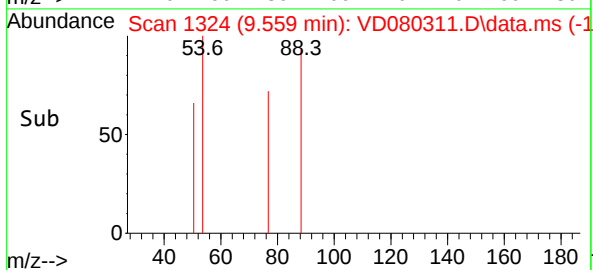
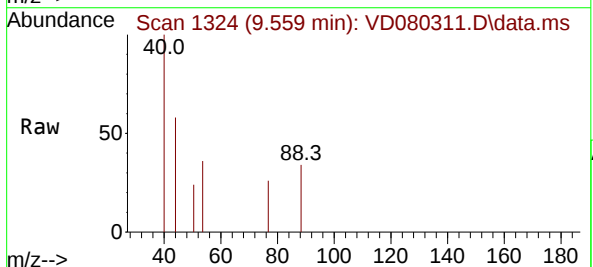


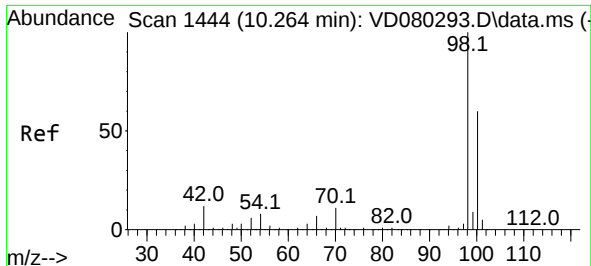
Tgt Ion:117 Resp: 5145
Ion Ratio Lower Upper
117 100
119 7.6 73.4 110.0#
121 0.0 24.5 36.7#



#49
1,4-Dioxane
Concen: 9.435 ug/l
RT: 9.559 min Scan# 1324
Delta R.T. 0.171 min
Lab File: VD080311.D
Acq: 13 May 2025 19:43

Tgt Ion: 88 Resp: 75
Ion Ratio Lower Upper
88 100
43 73.3 29.1 43.7#
58 0.0 59.9 89.9#

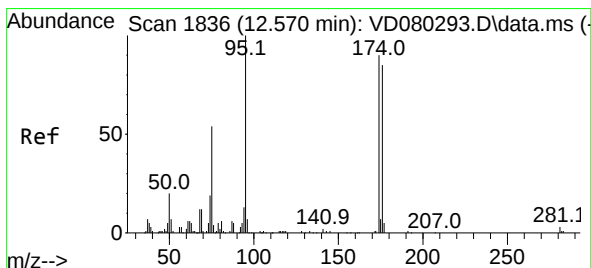
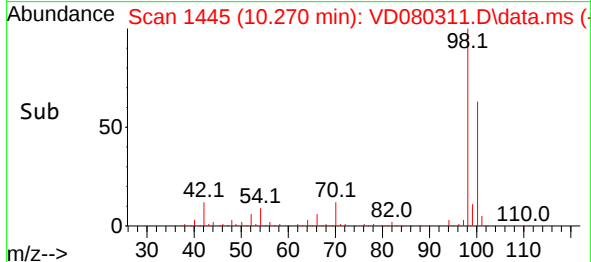
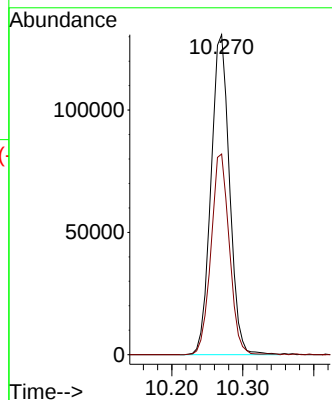
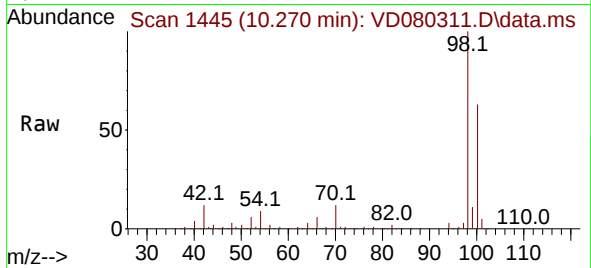




#50
Toluene-d8
Concen: 58.806 ug/l
RT: 10.270 min Scan# 1444
Delta R.T. 0.001 min
Lab File: VD080311.D
Acq: 13 May 2025 19:43

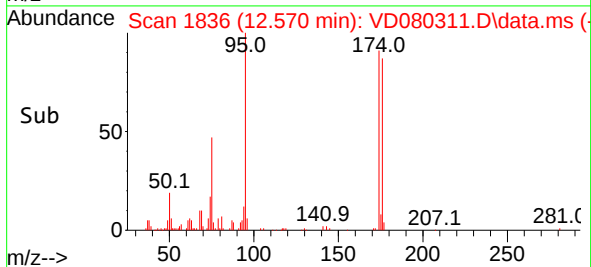
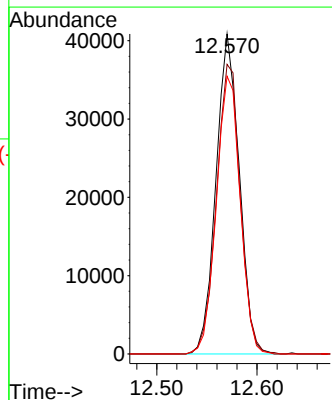
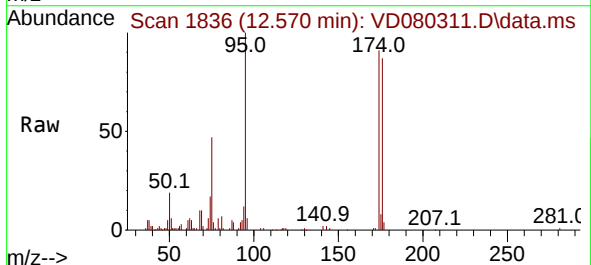
Instrument :
MSVOA_D
ClientSampleId :
205510

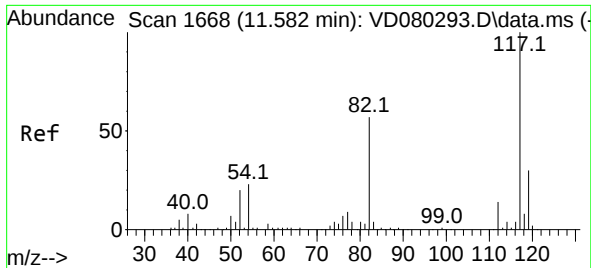
Tgt Ion: 98 Resp: 236928
Ion Ratio Lower Upper
98 100
100 62.0 50.2 75.4



#62
4-Bromofluorobenzene
Concen: 50.908 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.001 min
Lab File: VD080311.D
Acq: 13 May 2025 19:43

Tgt Ion: 95 Resp: 65833
Ion Ratio Lower Upper
95 100
174 93.0 0.0 173.4
176 88.9 0.0 166.6

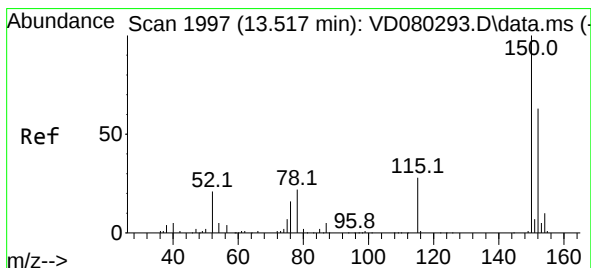
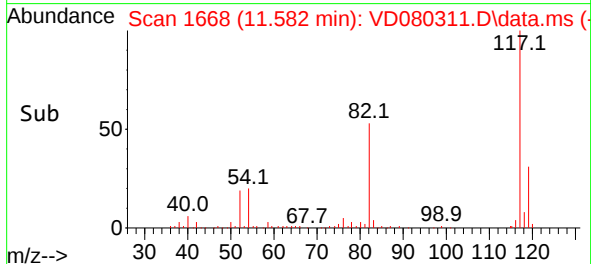
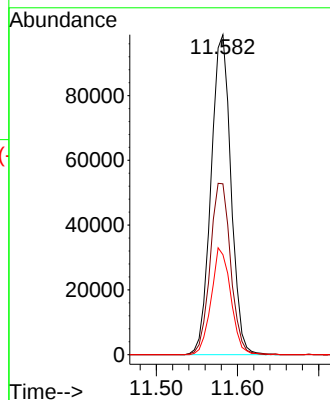
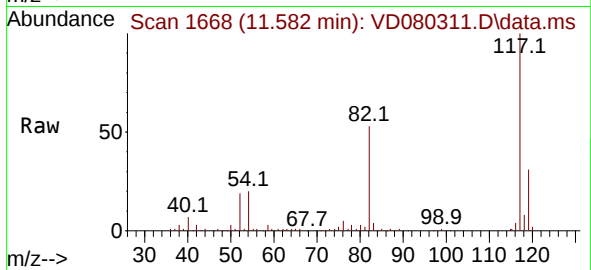




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 117
Delta R.T. 0.001 min
Lab File: VD080311.D
Acq: 13 May 2025 19:43

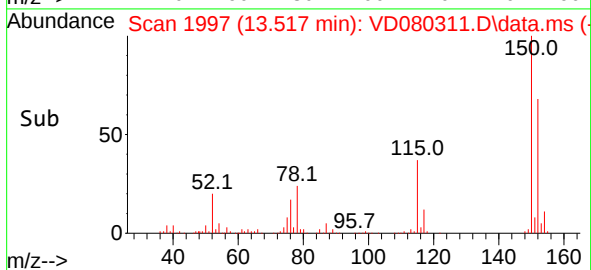
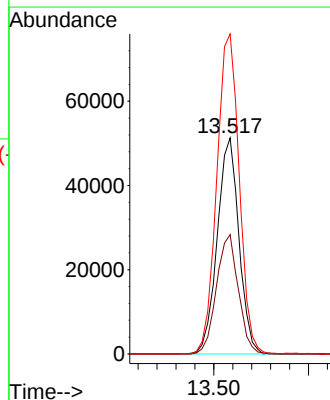
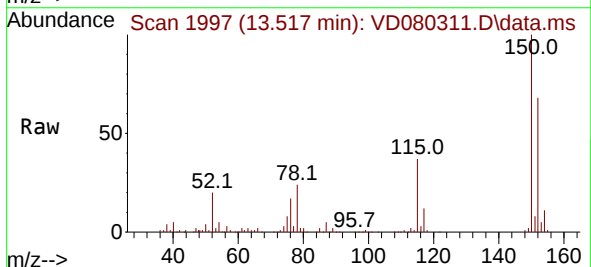
Instrument :
MSVOA_D
ClientSampleId :
205510

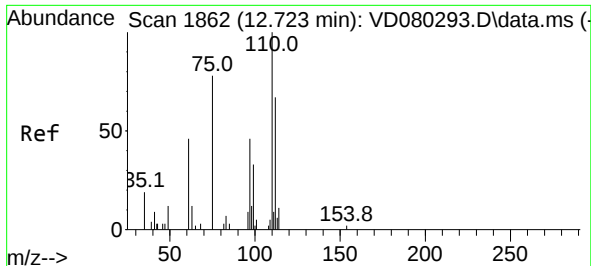
Tgt Ion:117 Resp: 168199
Ion Ratio Lower Upper
117 100
82 53.4 45.8 68.6
119 31.2 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.517 min Scan# 1997
Delta R.T. 0.001 min
Lab File: VD080311.D
Acq: 13 May 2025 19:43

Tgt Ion:152 Resp: 81531
Ion Ratio Lower Upper
152 100
115 55.7 28.9 86.8
150 153.1 0.0 354.8

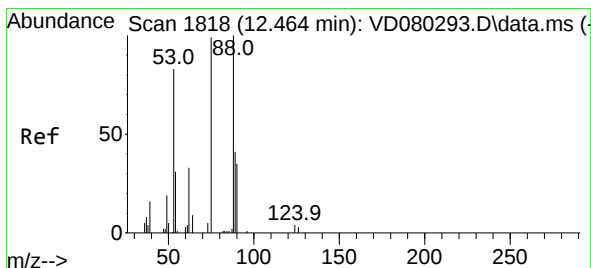
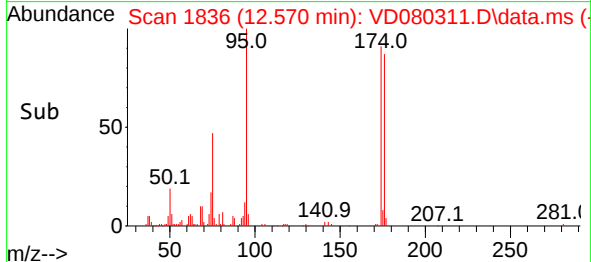
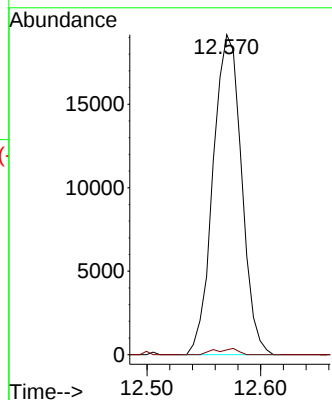
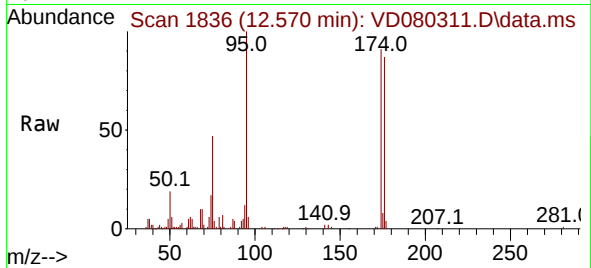




#76
1,2,3-Trichloropropane
Concen: 42.492 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. -0.152 min
Lab File: VD080311.D
Acq: 13 May 2025 19:43

Instrument :
MSVOA_D
ClientSampleId :
205510

Tgt Ion: 75 Resp: 33436
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.657 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.101 min
Lab File: VD080311.D
Acq: 13 May 2025 19:43

Tgt Ion: 75 Resp: 33436
Ion Ratio Lower Upper
75 100
53 0.5 68.7 103.1#
89 0.0 36.1 54.1#

