

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
 Data File : VD080322.D
 Acq On : 14 May 2025 15:07
 Operator : RP/MD
 Sample : Q2004-11
 Misc : 6.19G/10ml/MSVOA_D/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 STONE-STOCK

Quant Time: May 15 03:35:56 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)

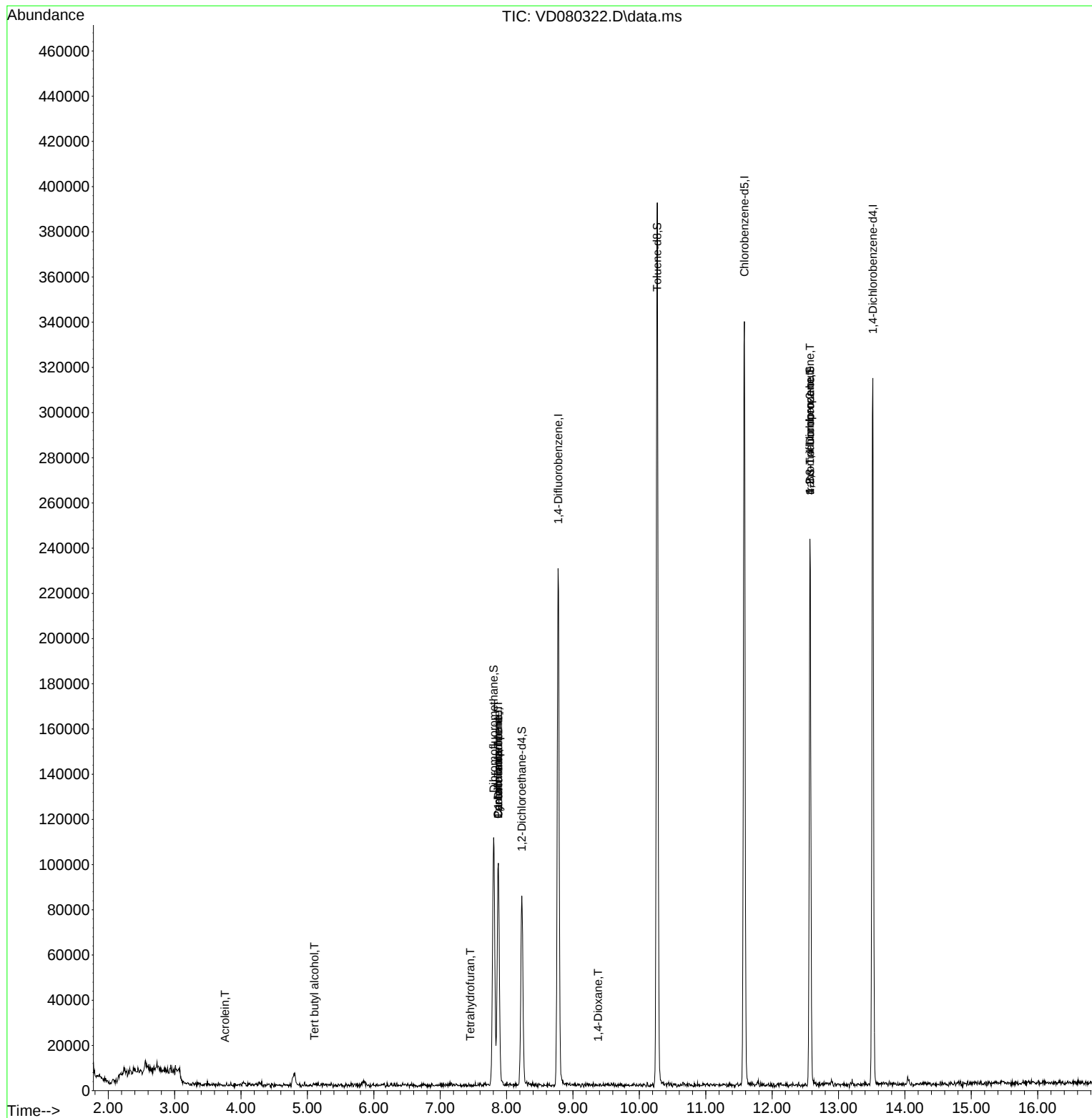
Internal Standards						
1) Pentafluorobenzene	7.876	168	74195	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	194129	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	191368	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	85298	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	67022	69.853	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 139.700%	
35) Dibromofluoromethane	7.806	113	76968	59.155	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 118.320%	
50) Toluene-d8	10.270	98	262378	51.180	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.360%	
62) 4-Bromofluorobenzene	12.570	95	75115	45.649	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 91.300%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.941	85	61	Below Cal	#	43
3) Chloromethane	2.159	50	444	Below Cal	#	70
11) Tert butyl alcohol	5.106	59	59	1.013	ug/l #	82
13) Acrolein	3.759	56	208	2.030	ug/l #	13
16) Acetone	4.023	43	1412	Below Cal	#	85
20) Methylene Chloride	4.788	84	1771	Below Cal	#	81
29) Tetrahydrofuran	7.453	42	327	1.900	ug/l #	32
31) Cyclohexane	7.876	56	1855	1.190	ug/l #	1
36) 1,1-Dichloropropene	7.876	75	6623	3.406	ug/l #	41
38) Carbon Tetrachloride	7.876	117	7137	3.519	ug/l #	20
49) 1,4-Dioxane	9.376	88	61	6.031	ug/l #	46
76) 1,2,3-Trichloropropane	12.570	75	37477	45.524	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.570	75	37477	86.412	ug/l #	15

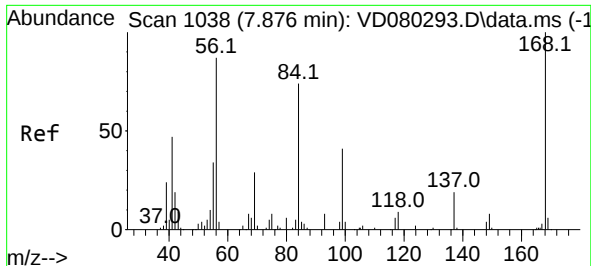
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 15 03:35:56 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

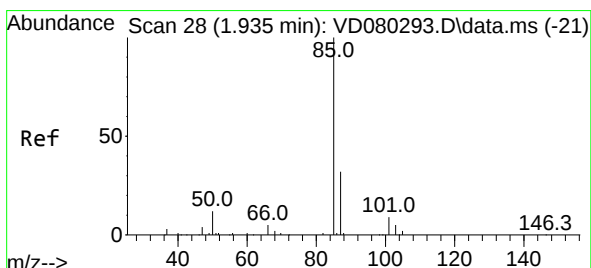
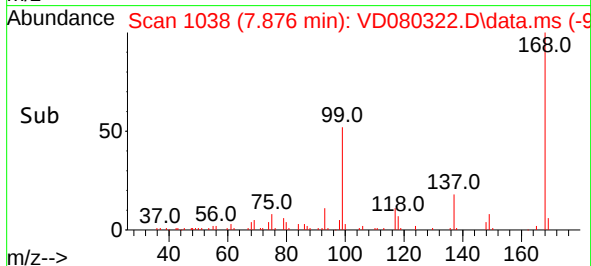
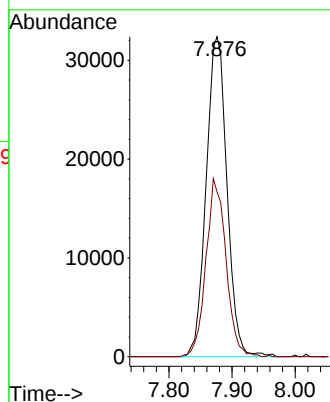
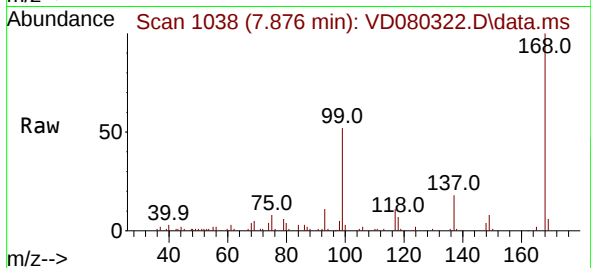




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. 0.001 min
Lab File: VD080322.D
Acq: 14 May 2025 15:07

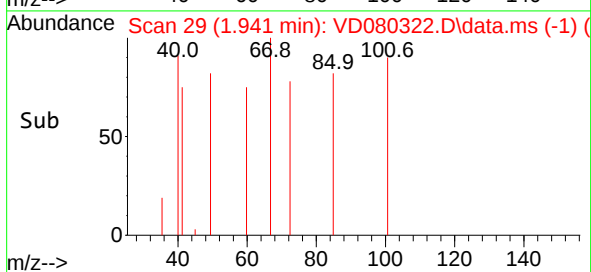
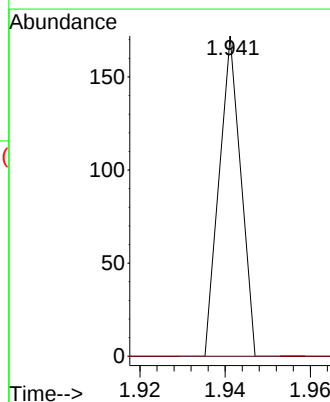
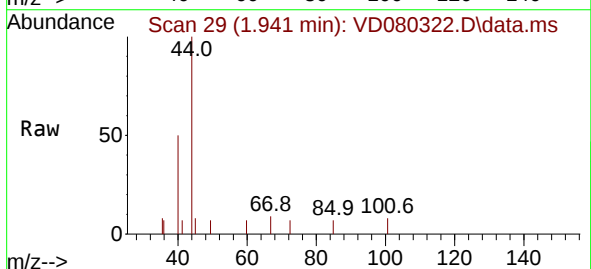
Instrument :
MSVOA_D
ClientSampleId :
STONE-STOCK

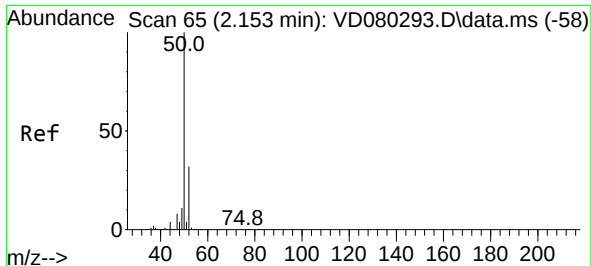
Tgt Ion:168 Resp: 74195
Ion Ratio Lower Upper
168 100
99 51.5 46.0 69.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.941 min Scan# 29
Delta R.T. 0.007 min
Lab File: VD080322.D
Acq: 14 May 2025 15:07

Tgt Ion: 85 Resp: 61
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

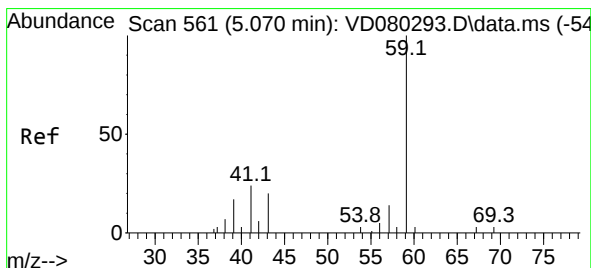
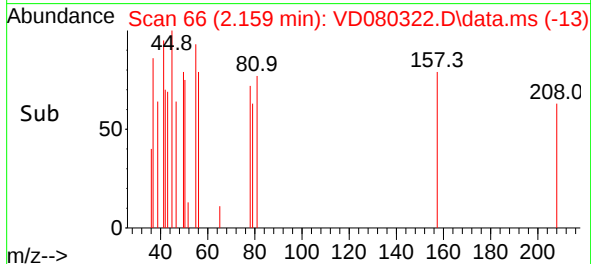
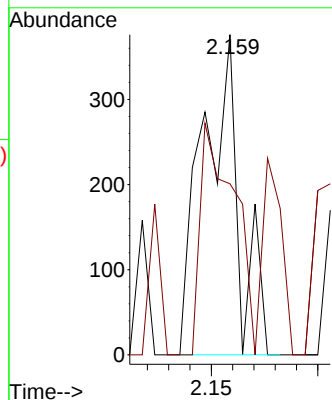
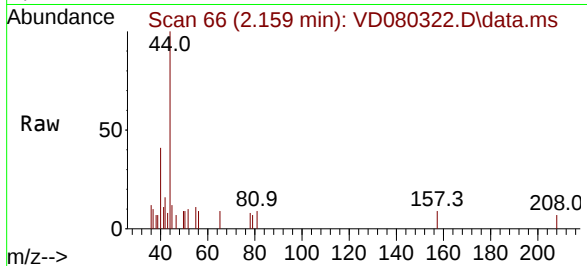




#3
Chloromethane
Concen: Below Cal
RT: 2.159 min Scan# 60
Delta R.T. 0.013 min
Lab File: VD080322.D
Acq: 14 May 2025 15:07

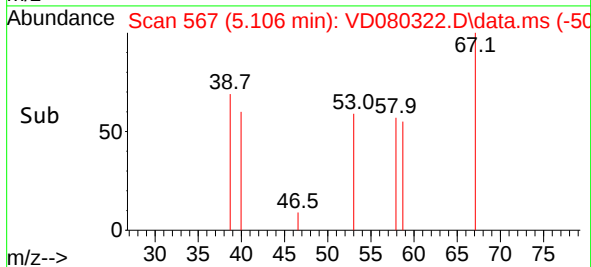
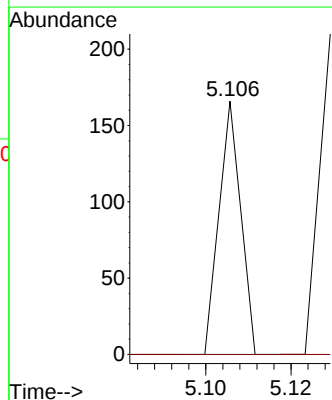
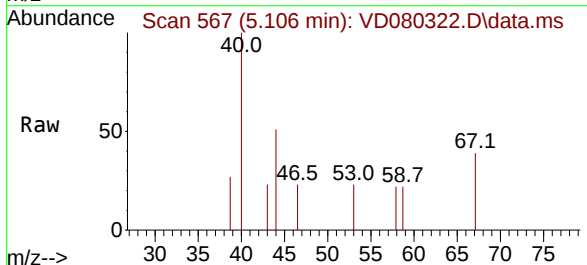
Instrument :
MSVOA_D
ClientSampleId :
STONE-STOCK

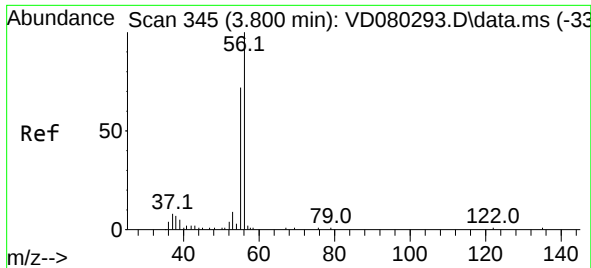
Tgt Ion: 50 Resp: 444
Ion Ratio Lower Upper
50 100
52 53.5 28.8 43.2#



#11
Tert butyl alcohol
Concen: 1.013 ug/l
RT: 5.106 min Scan# 567
Delta R.T. 0.048 min
Lab File: VD080322.D
Acq: 14 May 2025 15:07

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





#13

Acrolein

Concen: 2.030 ug/l

RT: 3.759 min Scan# 31

Delta R.T. -0.034 min

Lab File: VD080322.D

Acq: 14 May 2025 15:07

Instrument :

MSVOA_D

ClientSampleId :

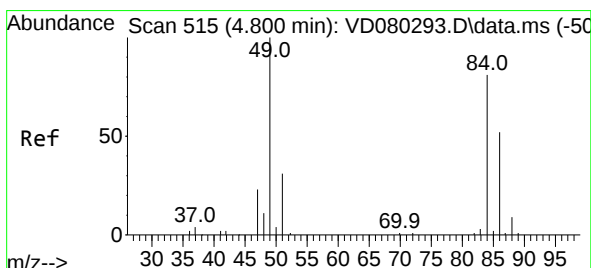
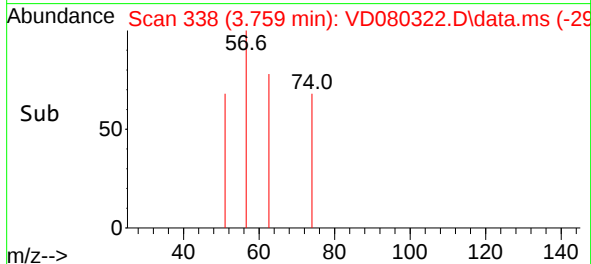
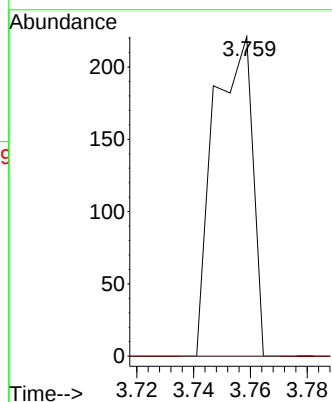
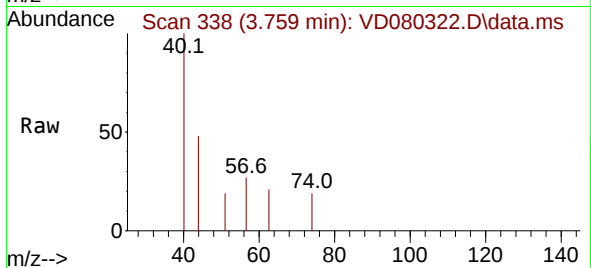
STONE-STOCK

Tgt Ion: 56 Resp: 208

Ion Ratio Lower Upper

56 100

55 0.0 58.2 87.2#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.788 min Scan# 513

Delta R.T. -0.017 min

Lab File: VD080322.D

Acq: 14 May 2025 15:07

Tgt Ion: 84 Resp: 1771

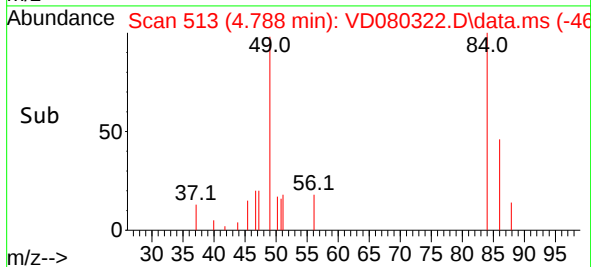
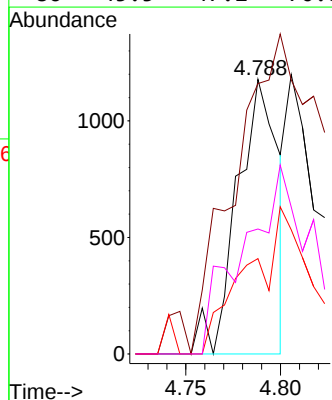
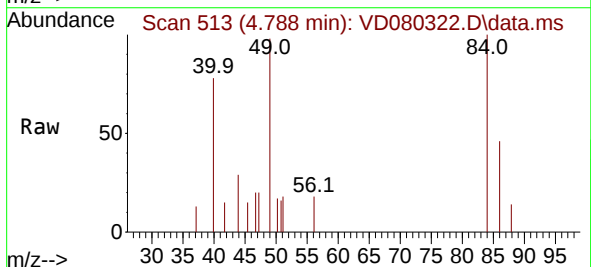
Ion Ratio Lower Upper

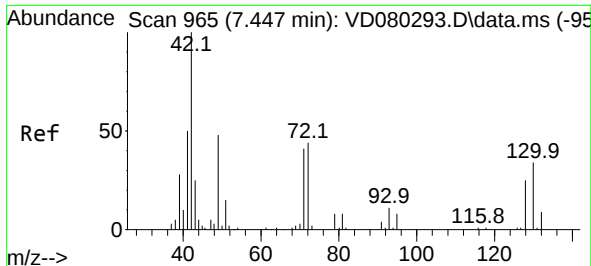
84 100

49 82.9 86.5 129.7#

51 34.7 26.9 40.3

86 45.5 47.2 70.8#





#29

Tetrahydrofuran

Concen: 1.900 ug/l

RT: 7.453 min Scan# 90

Delta R.T. 0.007 min

Lab File: VD080322.D

Acq: 14 May 2025 15:07

Instrument :

MSVOA_D

ClientSampleId :

STONE-STOCK

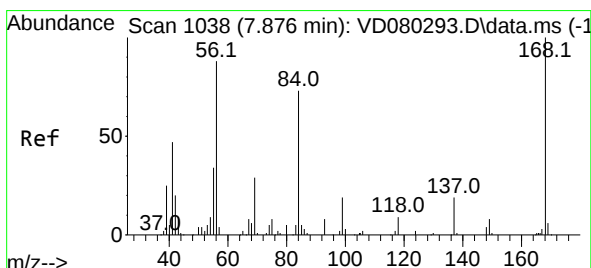
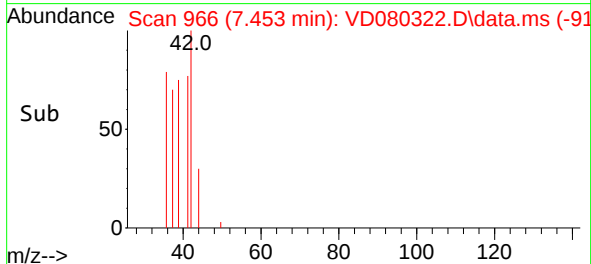
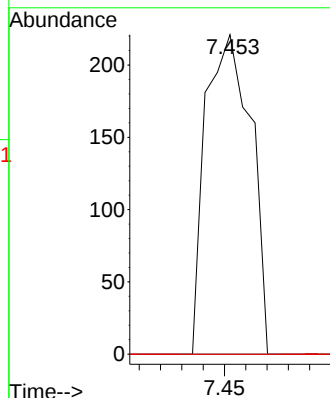
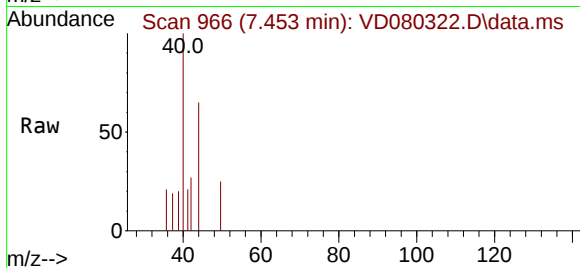
Tgt Ion: 42 Resp: 327

Ion Ratio Lower Upper

42 100

72 0.0 36.7 55.1#

71 0.0 34.4 51.6#



#31

Cyclohexane

Concen: 1.190 ug/l

RT: 7.876 min Scan# 1038

Delta R.T. -0.005 min

Lab File: VD080322.D

Acq: 14 May 2025 15:07

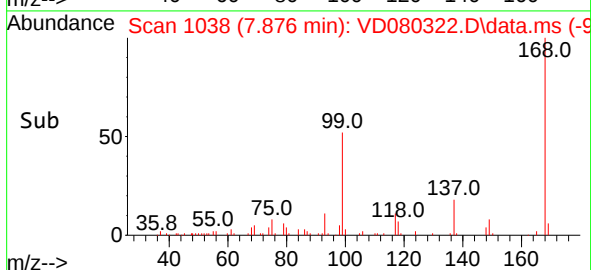
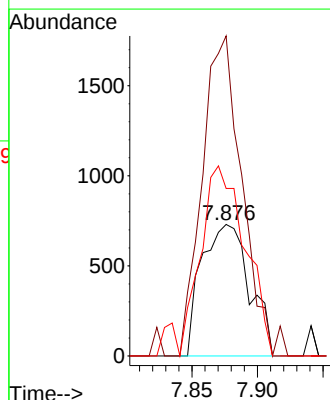
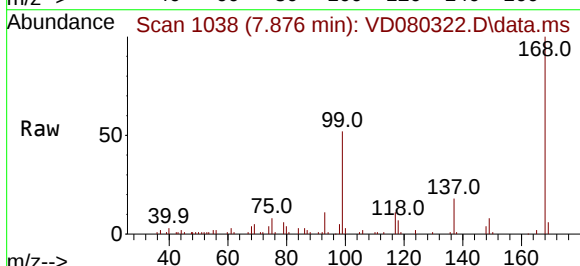
Tgt Ion: 56 Resp: 1855

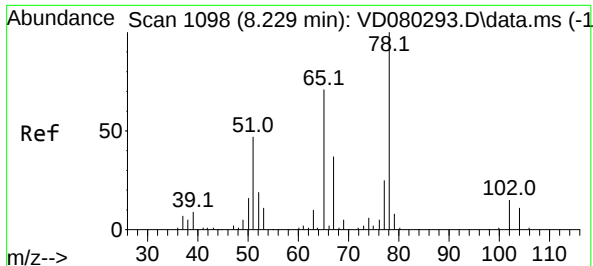
Ion Ratio Lower Upper

56 100

69 243.3 27.3 40.9#

84 127.4 70.2 105.4#





#33

1,2-Dichloroethane-d4

Concen: 69.853 ug/l

RT: 8.229 min Scan# 1109

Delta R.T. 0.001 min

Lab File: VD080322.D

Acq: 14 May 2025 15:07

Instrument :

MSVOA_D

ClientSampleId :

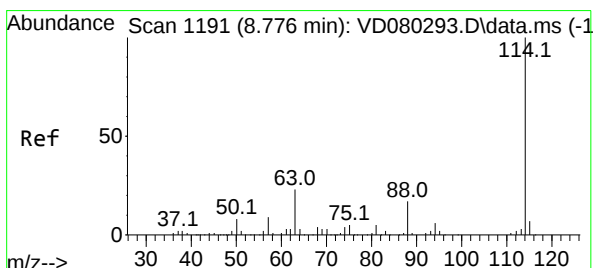
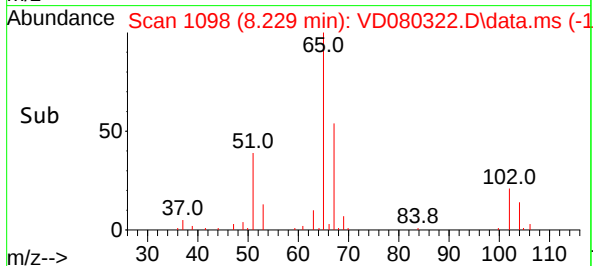
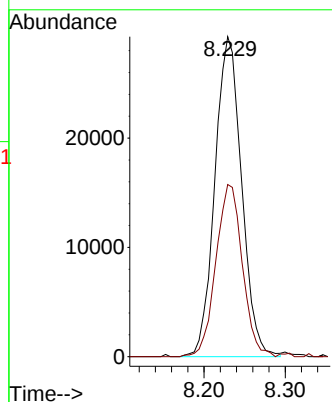
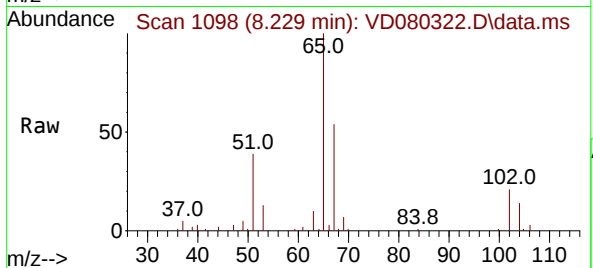
STONE-STOCK

Tgt Ion: 65 Resp: 67022

Ion Ratio Lower Upper

65 100

67 53.3 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: VD080322.D

Acq: 14 May 2025 15:07

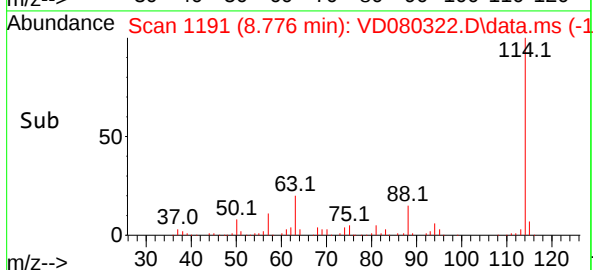
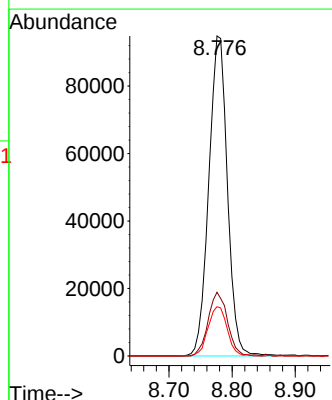
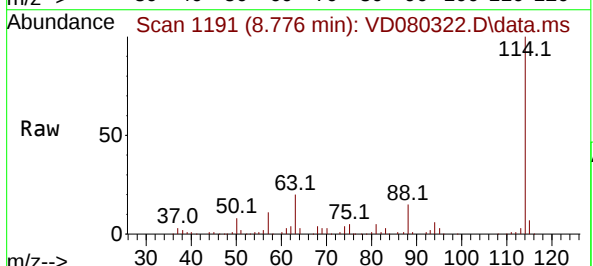
Tgt Ion: 114 Resp: 194129

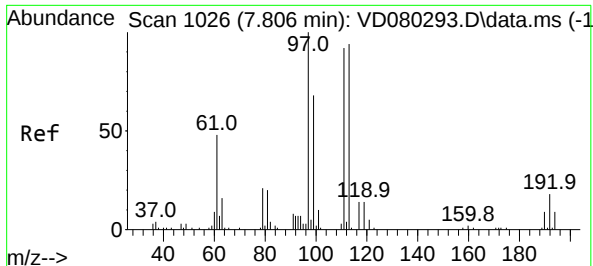
Ion Ratio Lower Upper

114 100

63 19.9 0.0 38.8

88 15.4 0.0 30.6





#35

Dibromofluoromethane

Concen: 59.155 ug/l

RT: 7.806 min Scan# 1038

Delta R.T. 0.001 min

Lab File: VD080322.D

Acq: 14 May 2025 15:07

Instrument :

MSVOA_D

ClientSampleId :

STONE-STOCK

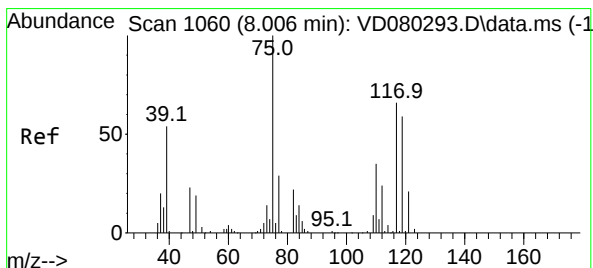
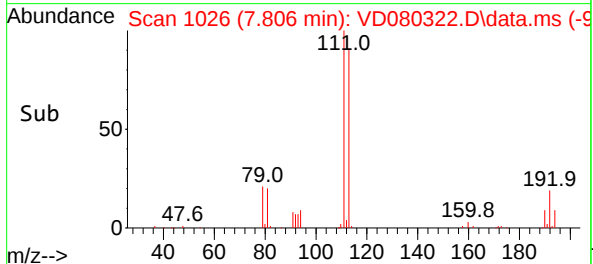
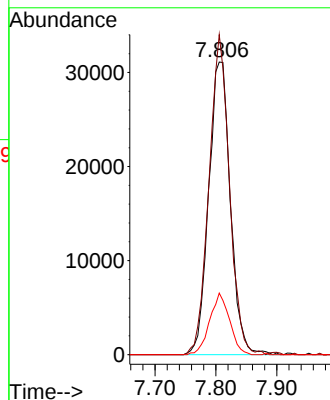
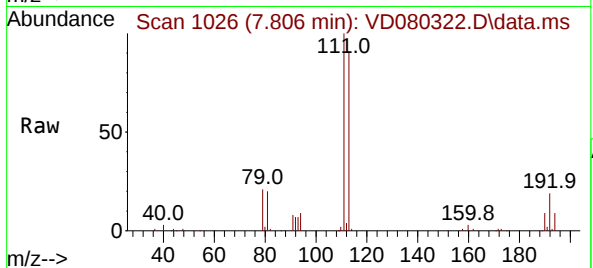
Tgt Ion:113 Resp: 76968

Ion Ratio Lower Upper

113 100

111 102.8 82.5 123.7

192 19.3 16.6 25.0



#36

1,1-Dichloropropene

Concen: 3.406 ug/l

RT: 7.876 min Scan# 1038

Delta R.T. -0.129 min

Lab File: VD080322.D

Acq: 14 May 2025 15:07

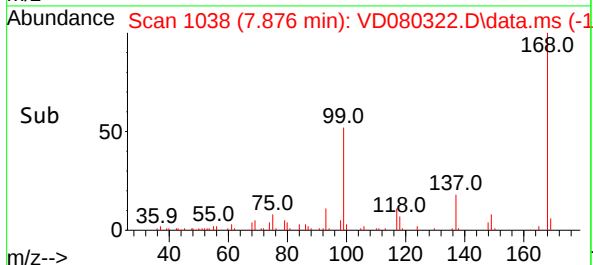
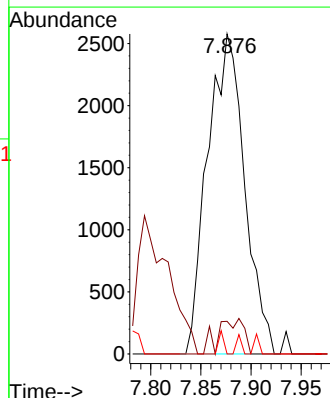
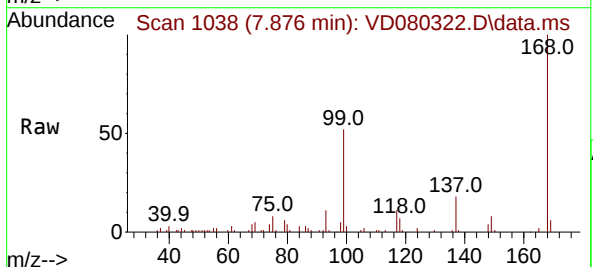
Tgt Ion: 75 Resp: 6623

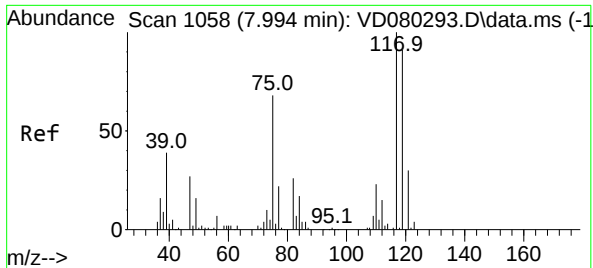
Ion Ratio Lower Upper

75 100

110 0.0 18.4 55.0#

77 1.0 25.6 38.4#

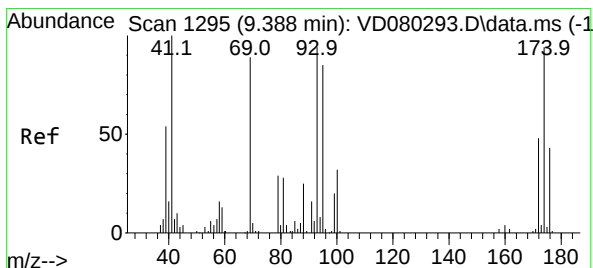
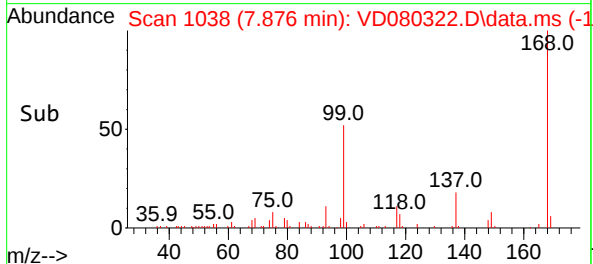
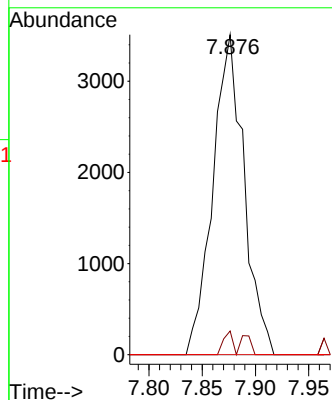
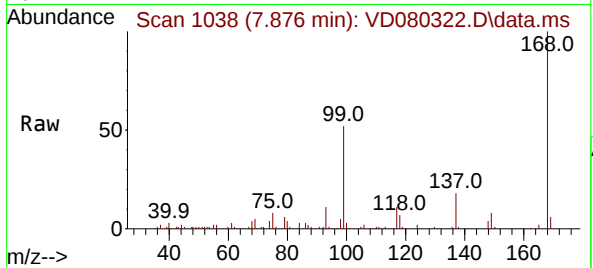




#38
Carbon Tetrachloride
Concen: 3.519 ug/l
RT: 7.876 min Scan# 1058
Delta R.T. -0.111 min
Lab File: VD080322.D
Acq: 14 May 2025 15:07

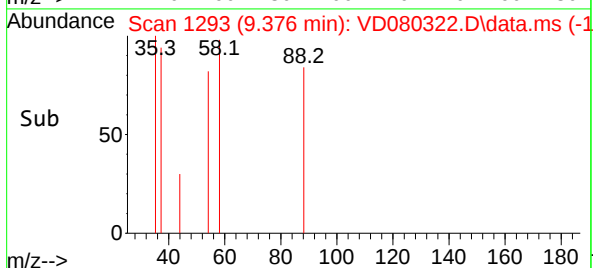
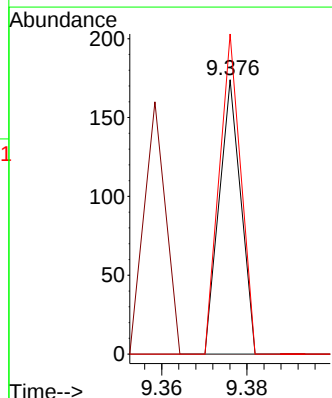
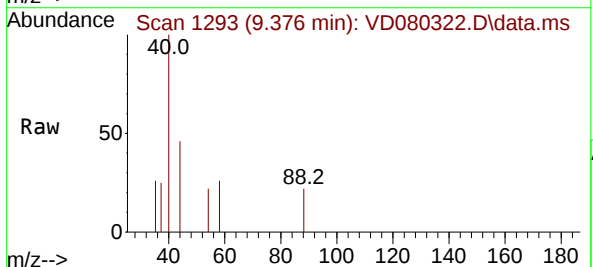
Instrument :
MSVOA_D
ClientSampleId :
STONE-STOCK

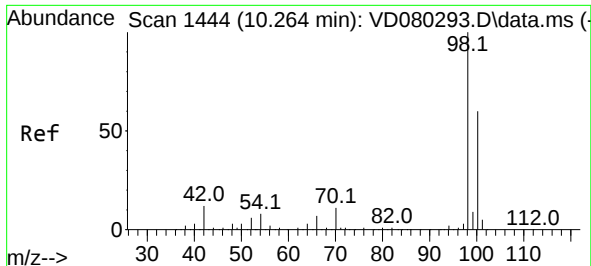
Tgt Ion:117 Resp: 7137
Ion Ratio Lower Upper
117 100
119 7.4 73.4 110.0#
121 0.0 24.5 36.7#



#49
1,4-Dioxane
Concen: 6.031 ug/l
RT: 9.376 min Scan# 1293
Delta R.T. -0.011 min
Lab File: VD080322.D
Acq: 14 May 2025 15:07

Tgt Ion: 88 Resp: 61
Ion Ratio Lower Upper
88 100
43 0.0 29.1 43.7#
58 118.0 59.9 89.9#

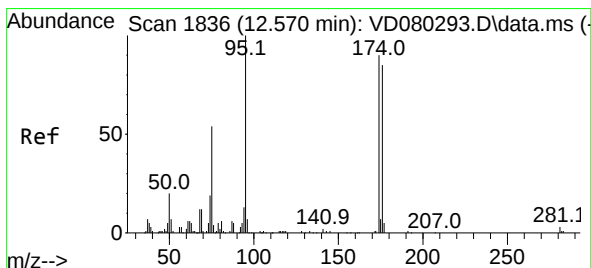
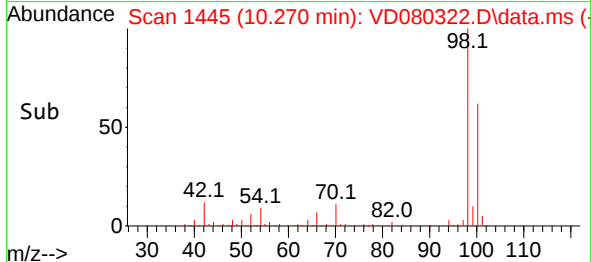
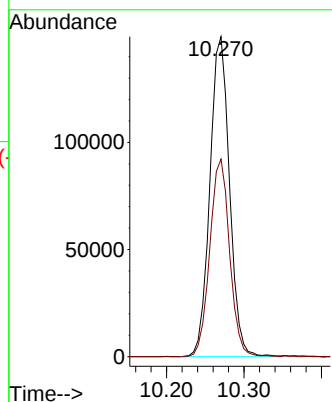
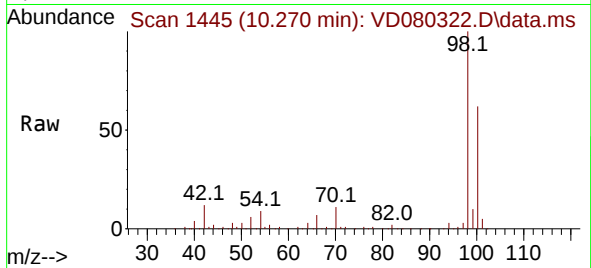




#50
Toluene-d8
Concen: 51.180 ug/l
RT: 10.270 min Scan# 1444
Delta R.T. 0.001 min
Lab File: VD080322.D
Acq: 14 May 2025 15:07

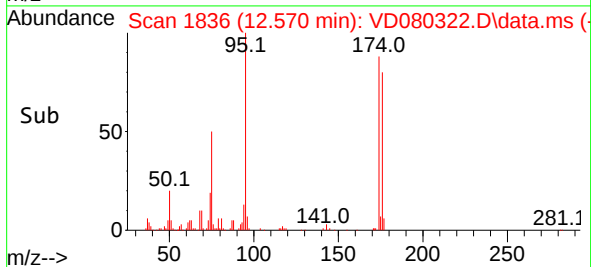
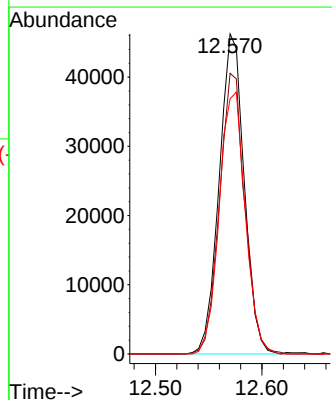
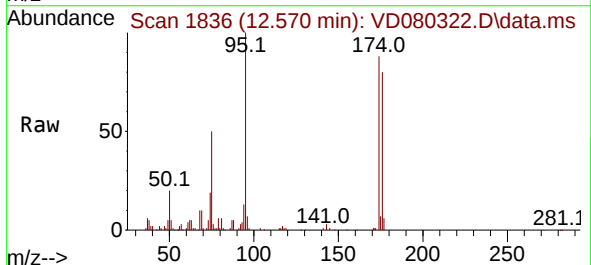
Instrument :
MSVOA_D
ClientSampleId :
STONE-STOCK

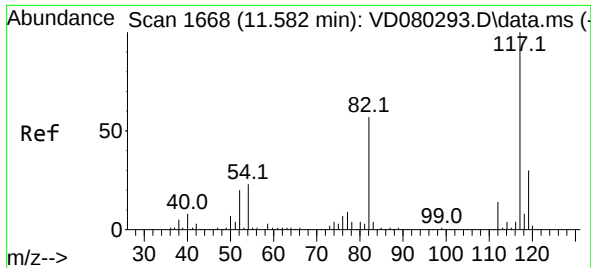
Tgt Ion: 98 Resp: 262378
Ion Ratio Lower Upper
98 100
100 62.4 50.2 75.4



#62
4-Bromofluorobenzene
Concen: 45.649 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.001 min
Lab File: VD080322.D
Acq: 14 May 2025 15:07

Tgt Ion: 95 Resp: 75115
Ion Ratio Lower Upper
95 100
174 89.0 0.0 173.4
176 85.3 0.0 166.6

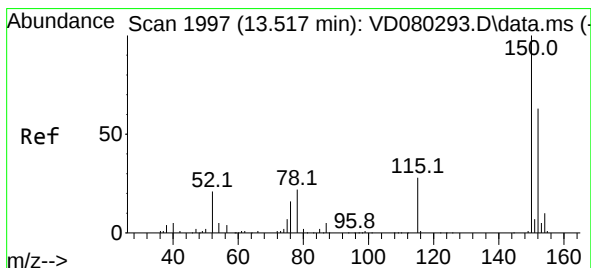
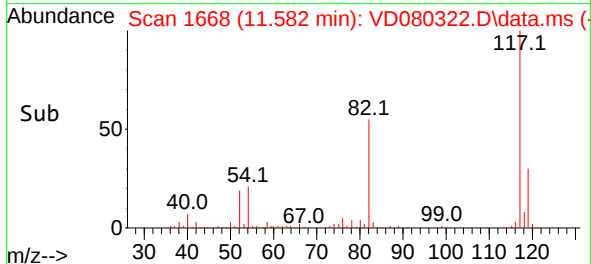
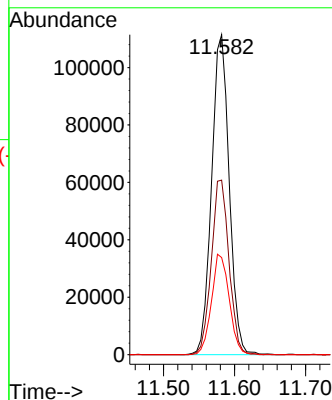
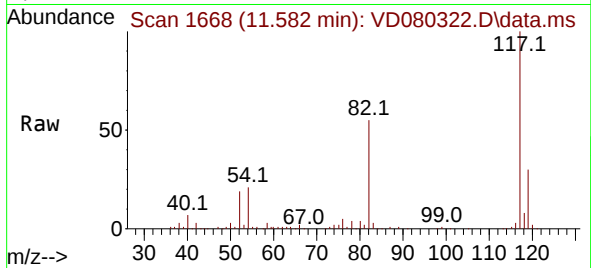




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 1
Delta R.T. 0.001 min
Lab File: VD080322.D
Acq: 14 May 2025 15:07

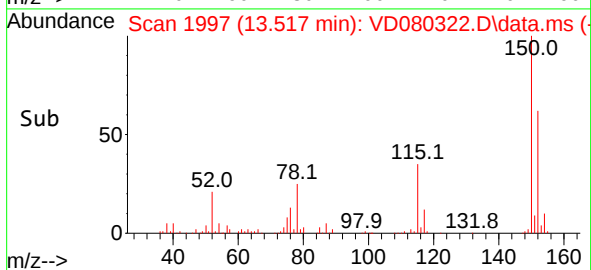
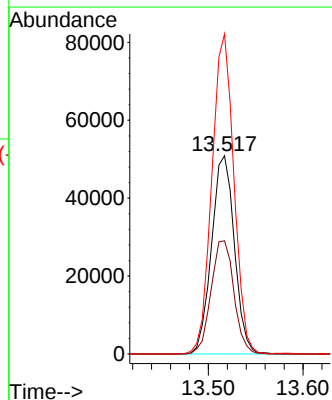
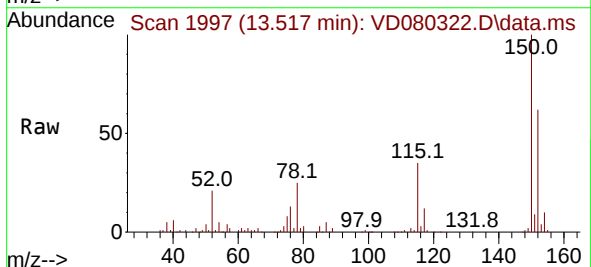
Instrument :
MSVOA_D
ClientSampleId :
STONE-STOCK

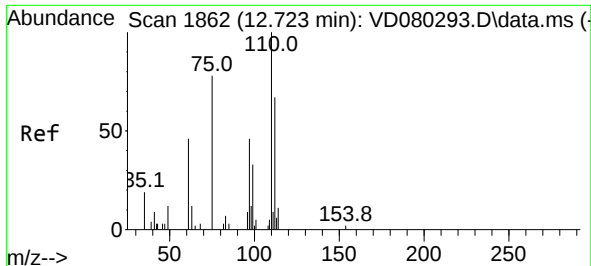
Tgt Ion:117 Resp: 191368
Ion Ratio Lower Upper
117 100
82 54.6 45.8 68.6
119 30.3 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.517 min Scan# 1997
Delta R.T. 0.001 min
Lab File: VD080322.D
Acq: 14 May 2025 15:07

Tgt Ion:152 Resp: 85298
Ion Ratio Lower Upper
152 100
115 57.2 28.9 86.8
150 155.4 0.0 354.8

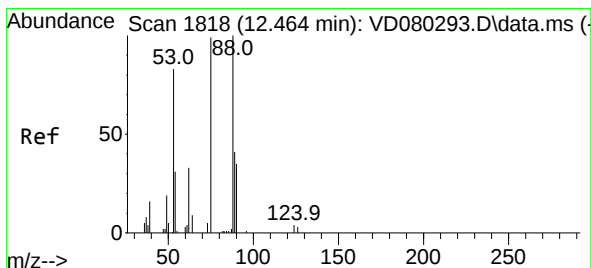
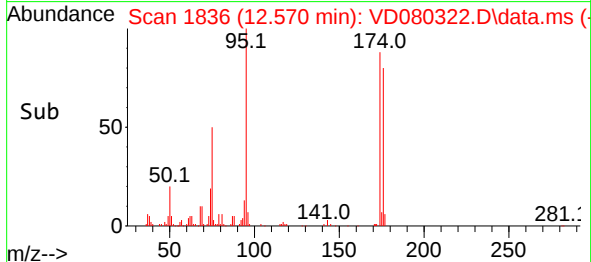
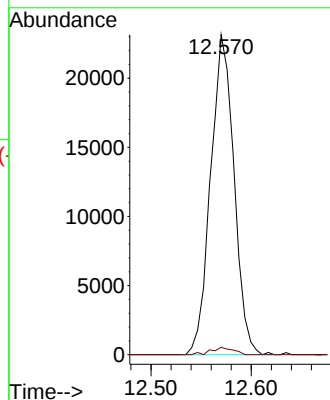
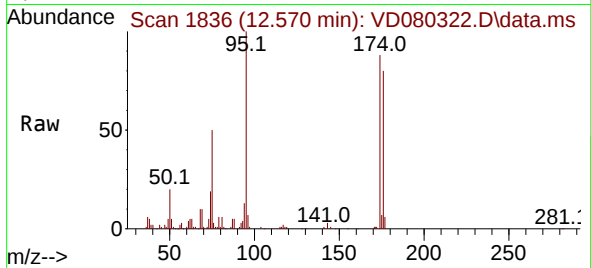




#76
1,2,3-Trichloropropane
Concen: 45.524 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. -0.152 min
Lab File: VD080322.D
Acq: 14 May 2025 15:07

Instrument :
MSVOA_D
ClientSampleId :
STONE-STOCK

Tgt Ion: 75 Resp: 37477
Ion Ratio Lower Upper
75 100
77 2.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.412 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.101 min
Lab File: VD080322.D
Acq: 14 May 2025 15:07

Tgt Ion: 75 Resp: 37477
Ion Ratio Lower Upper
75 100
53 0.0 68.7 103.1#
89 0.2 36.1 54.1#

