

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022525\
 Data File : VD080265.D
 Acq On : 25 Feb 2025 13:26
 Operator : RP/MD
 Sample : VD0225SBL01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0225SBL01

Quant Time: Feb 26 02:28:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D020325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 05:44:14 2025
 Response via : Initial Calibration

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

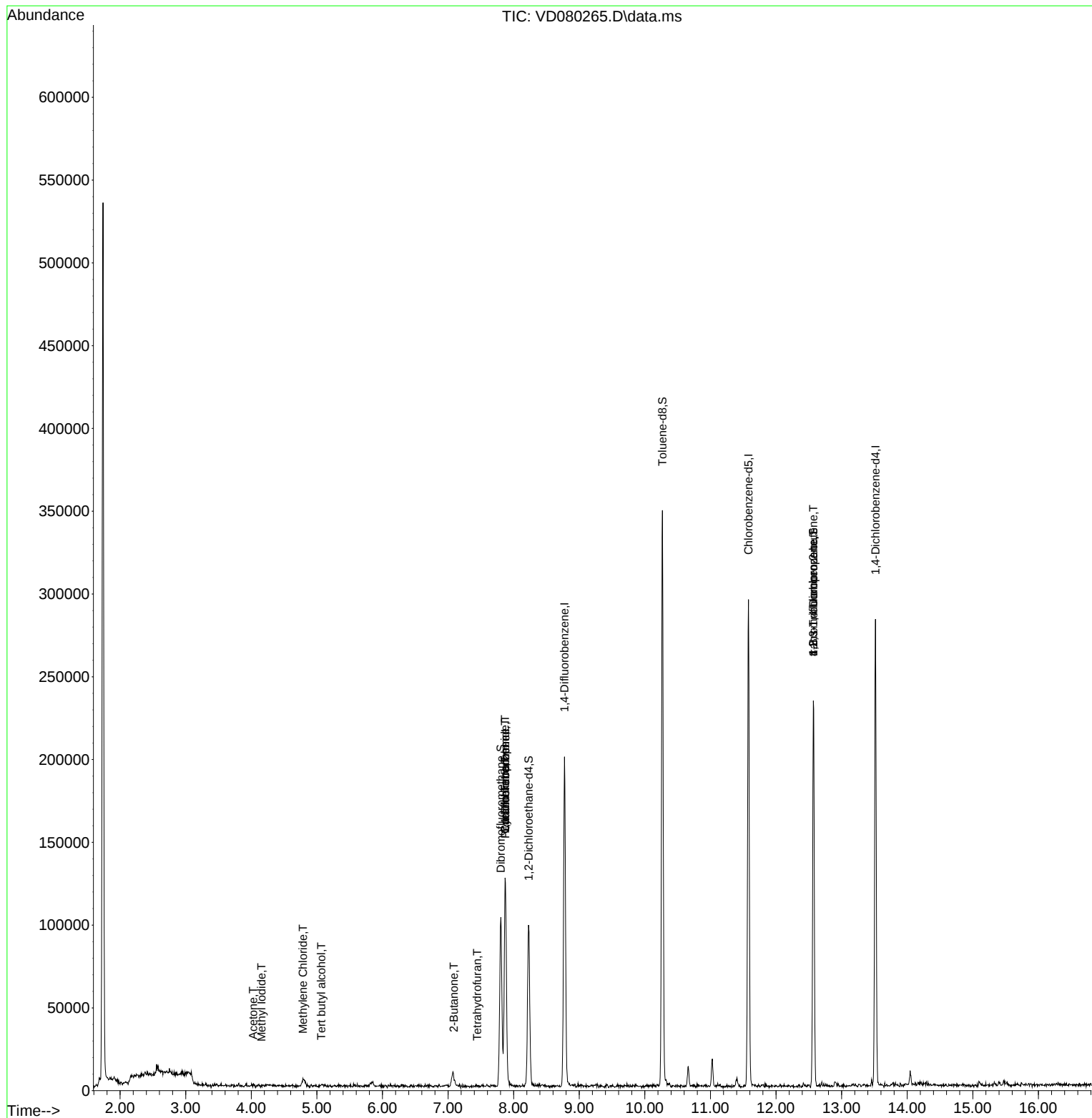
Internal Standards						
1) Pentafluorobenzene	7.875	168	95765	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	168908	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	161091	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	74926	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	78423	62.954	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 125.900%	
35) Dibromofluoromethane	7.804	113	71364	59.614	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 119.220%	
50) Toluene-d8	10.269	98	232790	52.438	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 104.880%	
62) 4-Bromofluorobenzene	12.569	95	71175	49.968	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 99.940%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	132	Below Cal	#	43
5) Bromomethane	2.705	94	1424	Below Cal		98
10) Methyl Iodide	4.158	142	304	4.479	ug/l #	40
11) Tert butyl alcohol	5.069	59	337	4.897	ug/l #	81
16) Acetone	4.028	43	1158	5.768	ug/l	94
20) Methylene Chloride	4.787	84	1393	1.022	ug/l #	89
25) 2-Butanone	7.087	43	658	2.113	ug/l #	50
29) Tetrahydrofuran	7.446	42	303	1.486	ug/l #	50
31) Cyclohexane	7.869	56	2874	1.557	ug/l #	1
36) 1,1-Dichloropropene	7.869	75	8441	4.923	ug/l #	49
38) Carbon Tetrachloride	7.869	117	9272	5.177	ug/l #	17
76) 1,2,3-Trichloropropane	12.569	75	36093	47.624	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	36093	97.382	ug/l #	15
95) Naphthalene	15.333	128	1205	Below Cal	#	59

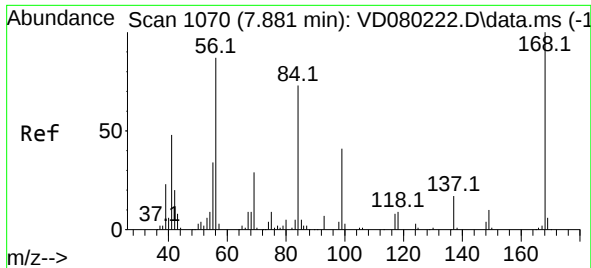
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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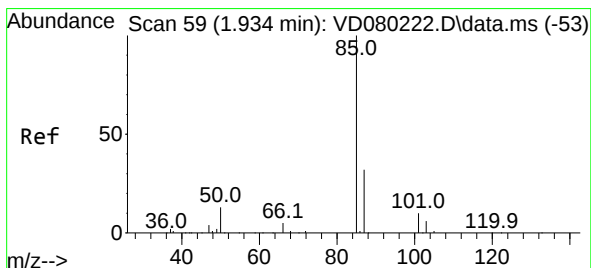
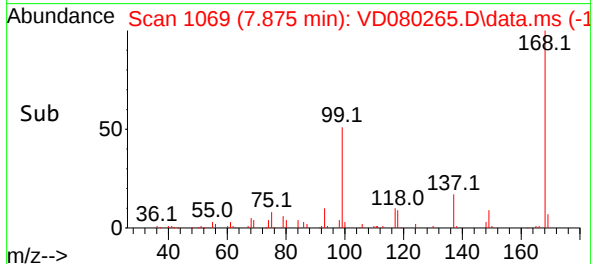
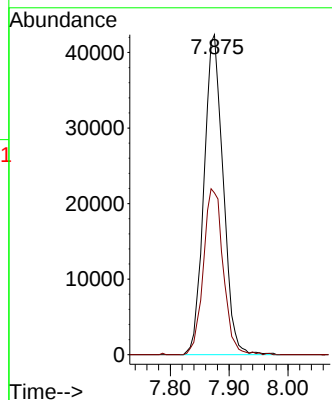
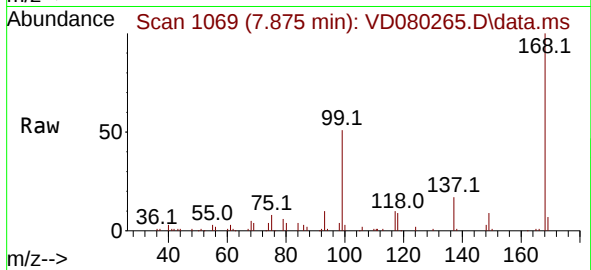




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1070
Delta R.T. -0.006 min
Lab File: VD080265.D
Acq: 25 Feb 2025 13:26

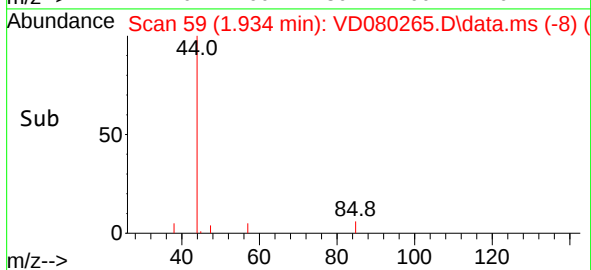
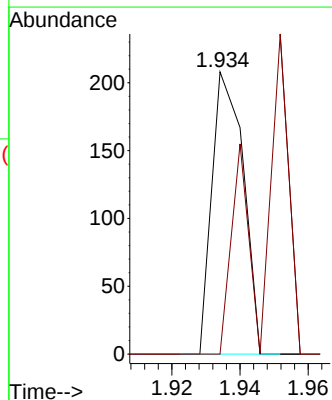
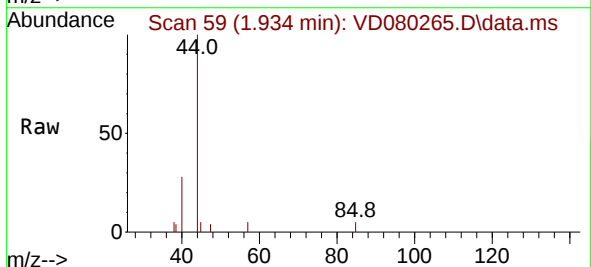
Instrument :
MSVOA_D
ClientSampleId :
VD0225SBL01

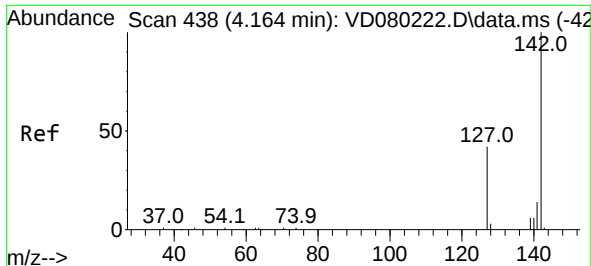
Tgt Ion:168 Resp: 95765
Ion Ratio Lower Upper
168 100
99 50.6 44.4 66.6



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.934 min Scan# 59
Delta R.T. 0.000 min
Lab File: VD080265.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 85 Resp: 132
Ion Ratio Lower Upper
85 100
87 0.0 16.0 47.9

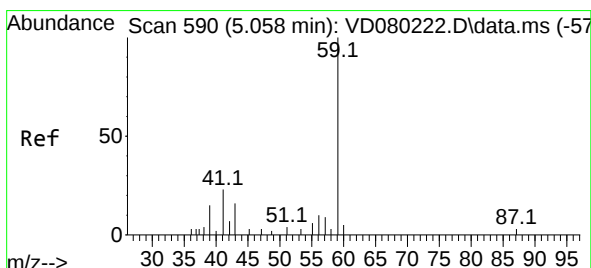
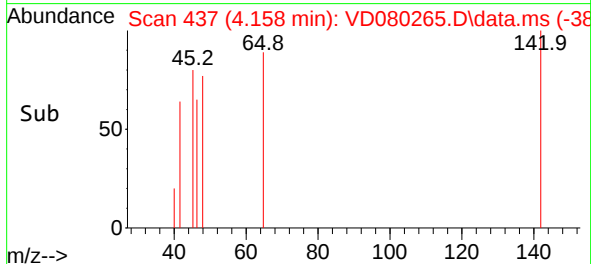
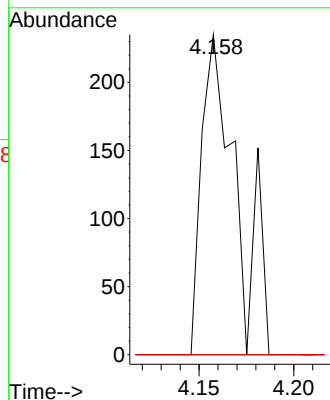
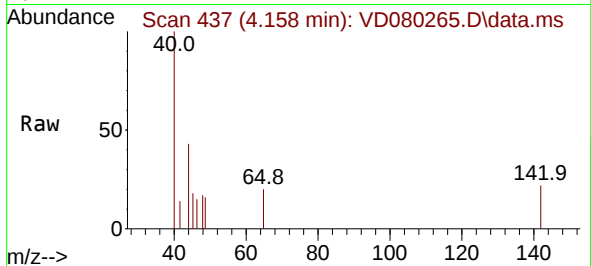




#10
Methyl Iodide
Concen: 4.479 ug/l
RT: 4.158 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD080265.D
Acq: 25 Feb 2025 13:26

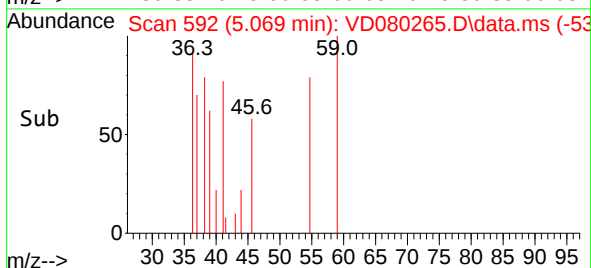
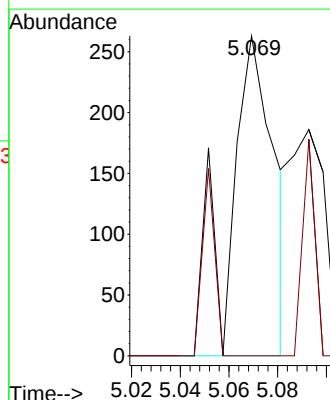
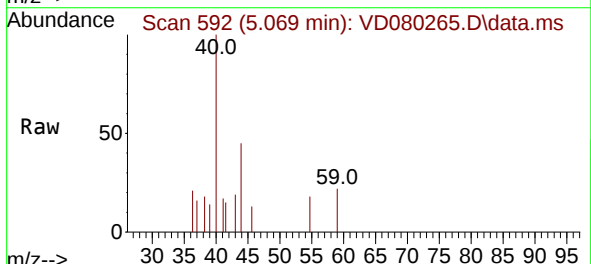
Instrument :
MSVOA_D
ClientSampleId :
VD0225SBL01

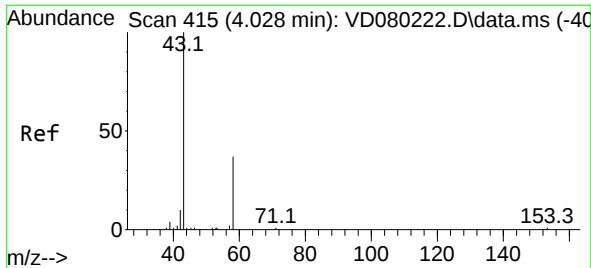
Tgt Ion:142 Resp: 304
Ion Ratio Lower Upper
142 100
127 0.0 35.4 53.2#
141 0.0 12.6 18.8#



#11
Tert butyl alcohol
Concen: 4.897 ug/l
RT: 5.069 min Scan# 592
Delta R.T. 0.012 min
Lab File: VD080265.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 59 Resp: 337
Ion Ratio Lower Upper
59 100
57 16.0 7.2 10.8#





#16

Acetone

Concen: 5.768 ug/l

RT: 4.028 min Scan# 41

Delta R.T. -0.000 min

Lab File: VD080265.D

Acq: 25 Feb 2025 13:26

Instrument :

MSVOA_D

ClientSampleId :

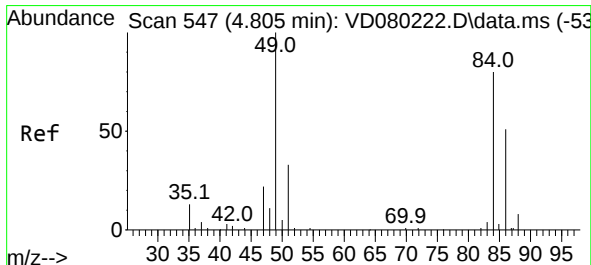
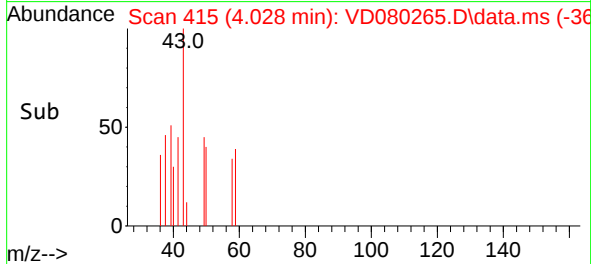
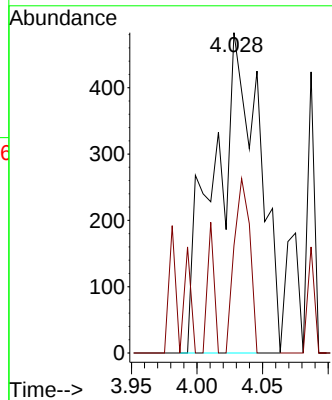
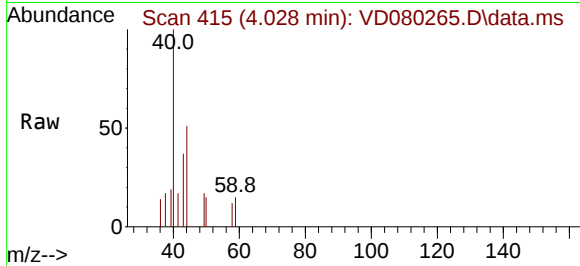
VD0225SBL01

Tgt Ion: 43 Resp: 1158

Ion Ratio Lower Upper

43 100

58 33.5 29.5 44.3



#20

Methylene Chloride

Concen: 1.022 ug/l

RT: 4.787 min Scan# 544

Delta R.T. -0.018 min

Lab File: VD080265.D

Acq: 25 Feb 2025 13:26

Tgt Ion: 84 Resp: 1393

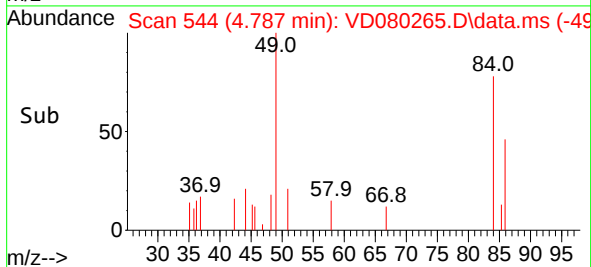
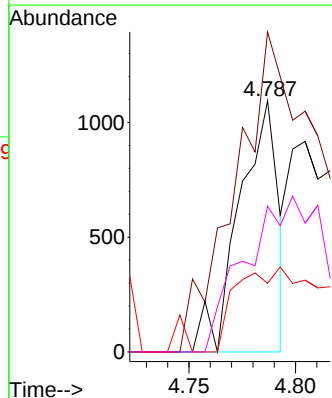
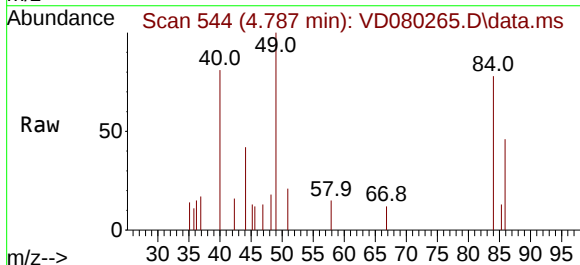
Ion Ratio Lower Upper

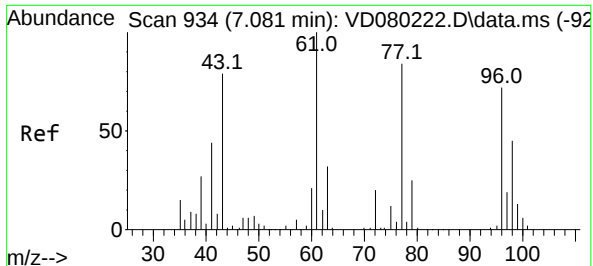
84 100

49 127.4 99.4 149.2

51 12.6 32.6 49.0#

86 58.0 50.6 75.8

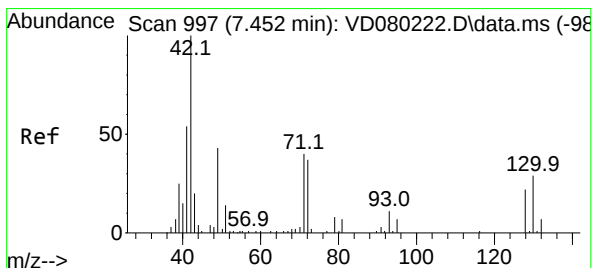
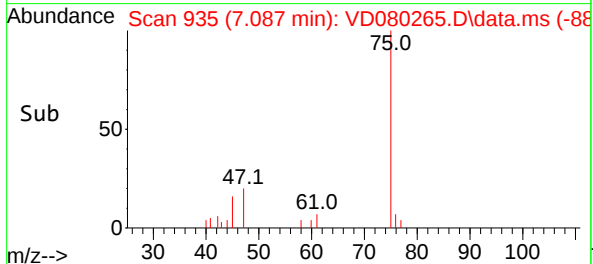
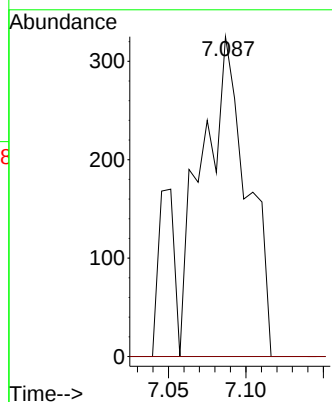
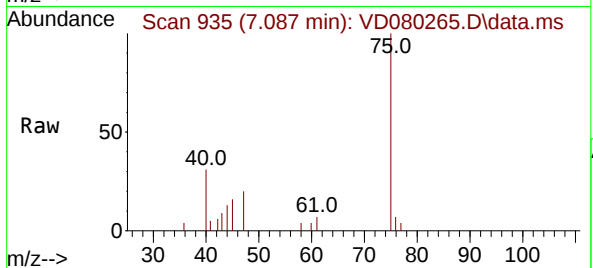




#25
2-Butanone
Concen: 2.113 ug/l
RT: 7.087 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD080265.D
Acq: 25 Feb 2025 13:26

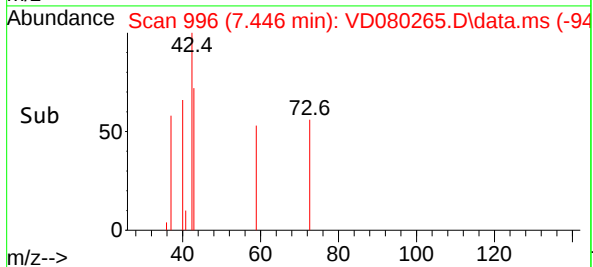
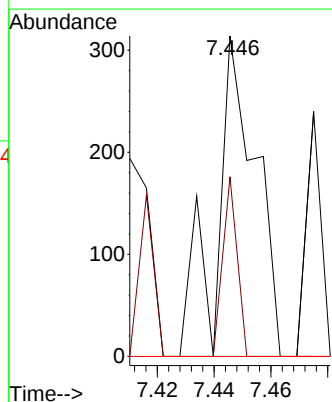
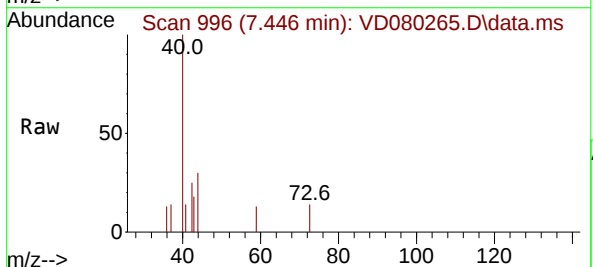
Instrument :
MSVOA_D
ClientSampleId :
VD0225SBL01

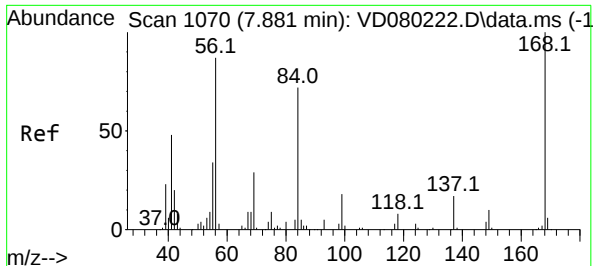
Tgt Ion: 43 Resp: 658
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#



#29
Tetrahydrofuran
Concen: 1.486 ug/l
RT: 7.446 min Scan# 996
Delta R.T. -0.006 min
Lab File: VD080265.D
Acq: 25 Feb 2025 13:26

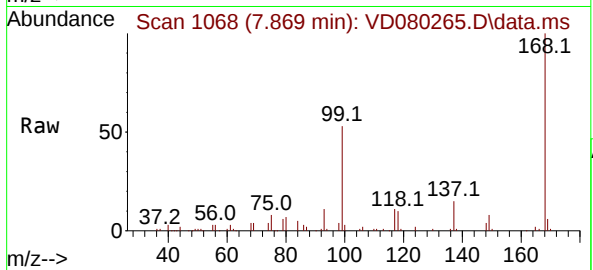
Tgt Ion: 42 Resp: 303
Ion Ratio Lower Upper
42 100
72 20.5 33.5 50.3#
71 0.0 32.9 49.3#



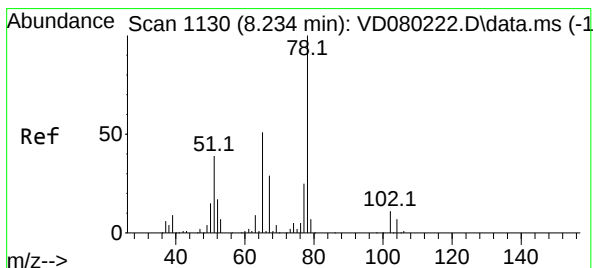
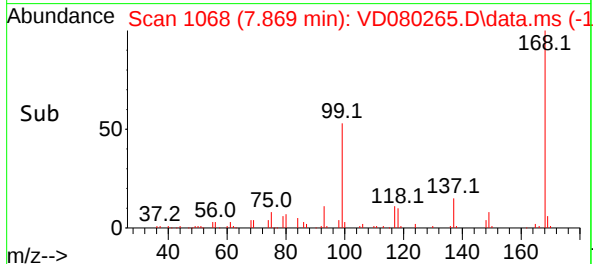
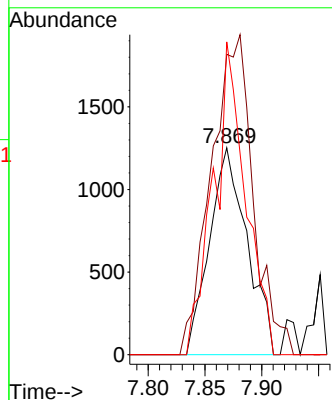


#31
Cyclohexane
Concen: 1.557 ug/l
RT: 7.869 min Scan# 1109
Delta R.T. -0.012 min
Lab File: VD080265.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_D
ClientSampleId :
VD0225SBL01

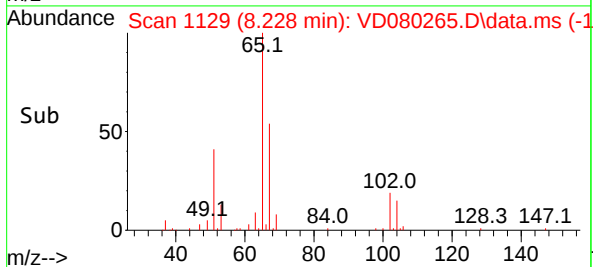
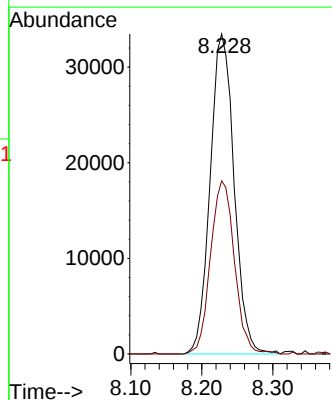
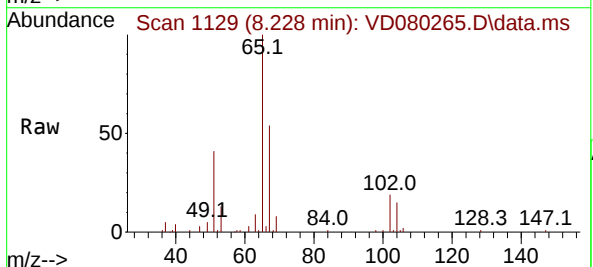


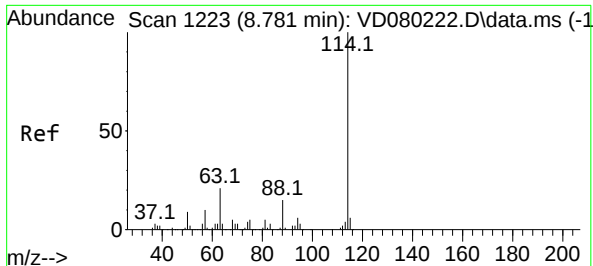
Tgt Ion: 56 Resp: 2874
Ion Ratio Lower Upper
56 100
69 145.2 27.0 40.4#
84 151.2 66.3 99.5#



#33
1,2-Dichloroethane-d4
Concen: 62.954 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD080265.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 65 Resp: 78423
Ion Ratio Lower Upper
65 100
67 54.0 0.0 107.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD080265.D

Acq: 25 Feb 2025 13:26

Instrument :

MSVOA_D

ClientSampleId :

VD0225SBL01

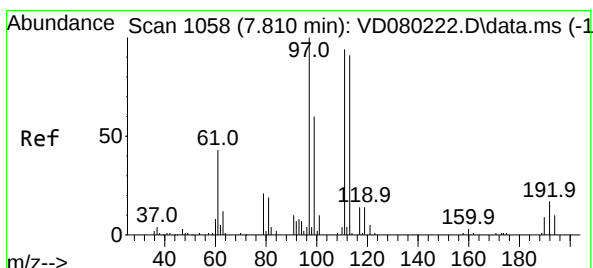
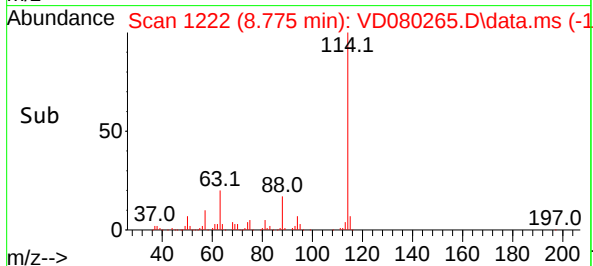
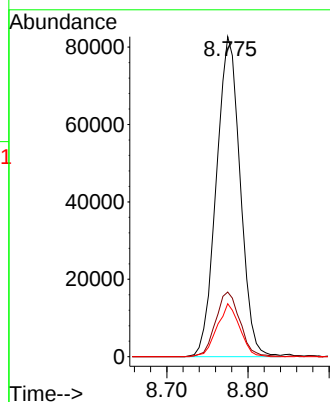
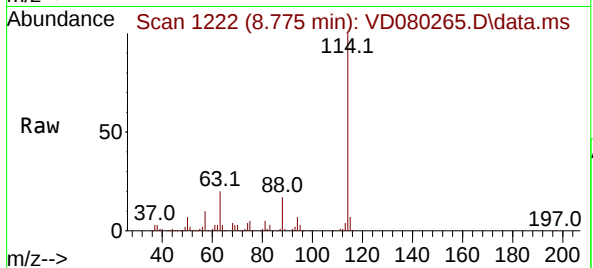
Tgt Ion:114 Resp: 168908

Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.8

88 16.6 0.0 30.4



#35

Dibromofluoromethane

Concen: 59.614 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VD080265.D

Acq: 25 Feb 2025 13:26

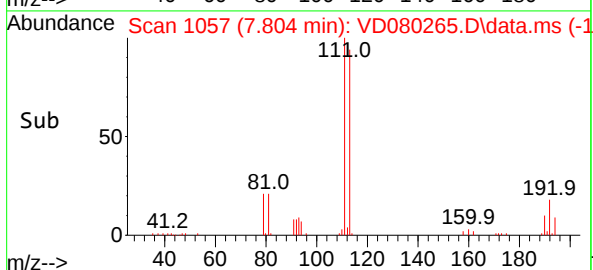
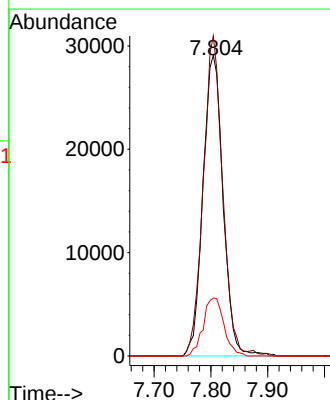
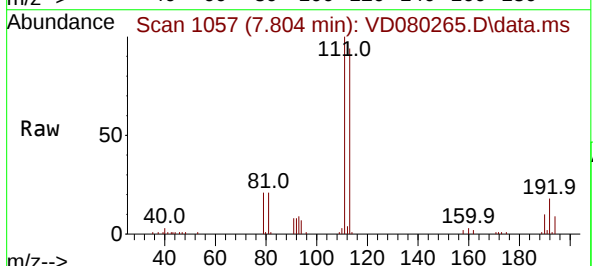
Tgt Ion:113 Resp: 71364

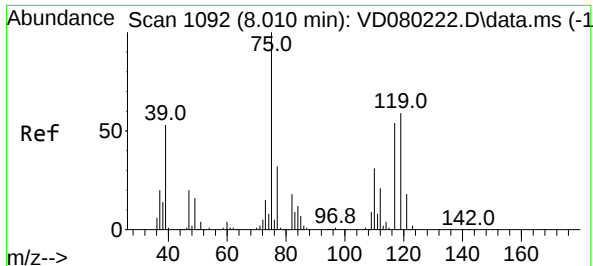
Ion Ratio Lower Upper

113 100

111 101.9 85.0 127.4

192 19.9 15.5 23.3





#36

1,1-Dichloropropene

Concen: 4.923 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VD080265.D

Acq: 25 Feb 2025 13:26

Instrument :

MSVOA_D

ClientSampleId :

VD0225SBL01

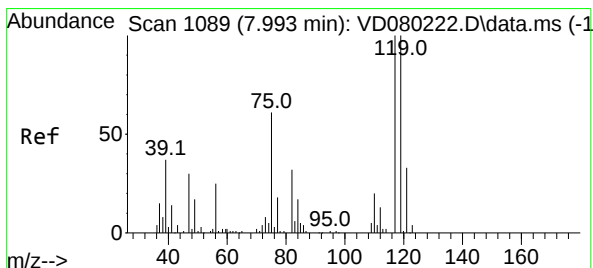
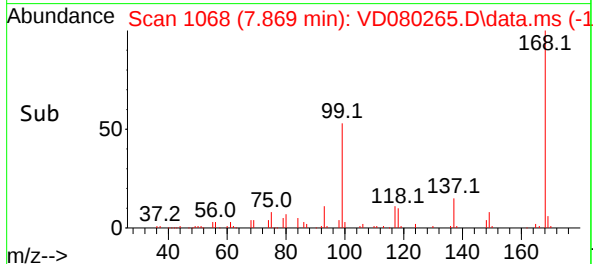
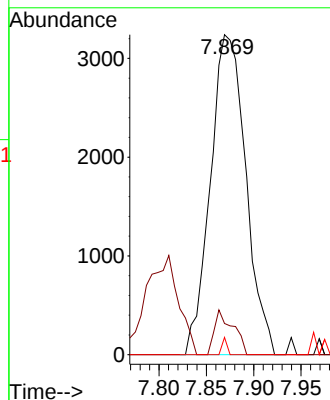
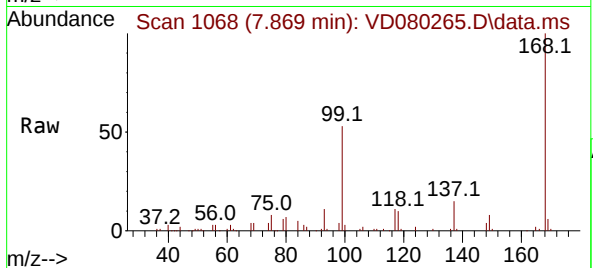
Tgt Ion: 75 Resp: 8441

Ion Ratio Lower Upper

75 100

110 7.3 17.1 51.2#

77 0.7 25.6 38.4#



#38

Carbon Tetrachloride

Concen: 5.177 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.124 min

Lab File: VD080265.D

Acq: 25 Feb 2025 13:26

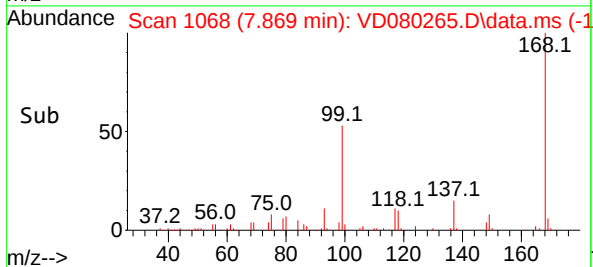
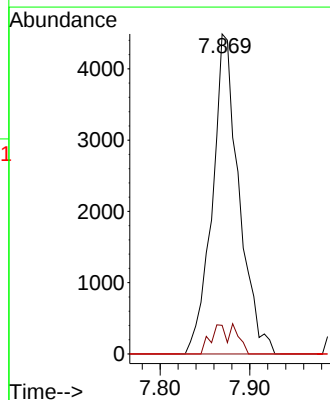
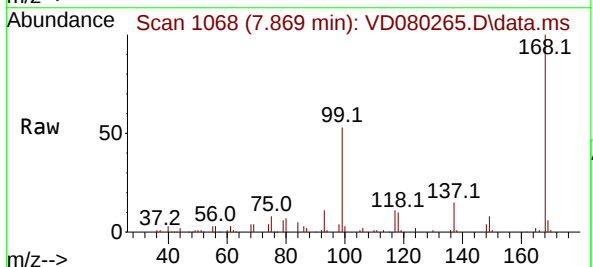
Tgt Ion: 117 Resp: 9272

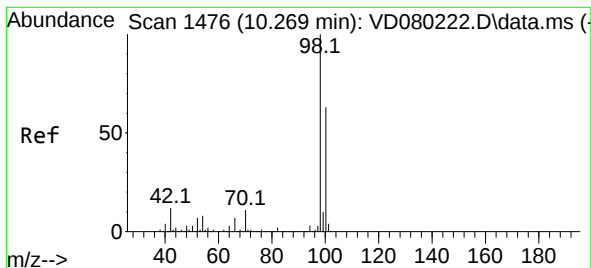
Ion Ratio Lower Upper

117 100

119 9.0 79.8 119.6#

121 0.0 26.6 39.8#





#50

Toluene-d8

Concen: 52.438 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD080265.D

Acq: 25 Feb 2025 13:26

Instrument :

MSVOA_D

ClientSampleId :

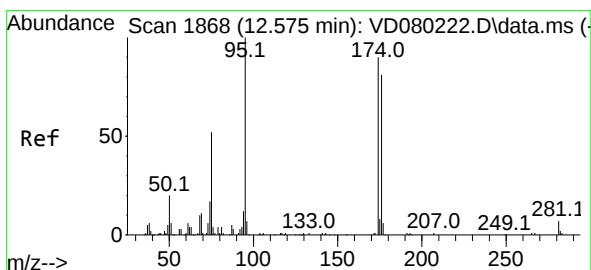
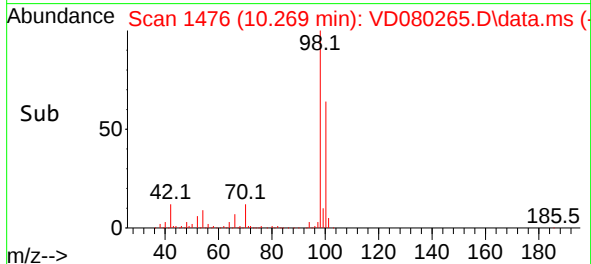
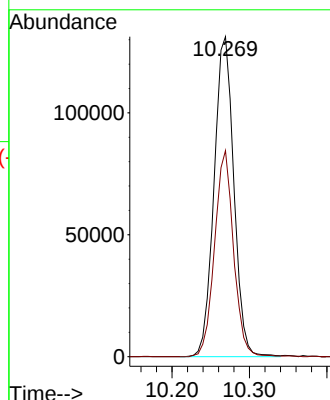
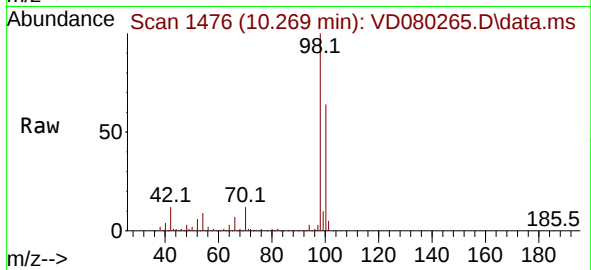
VD0225SBL01

Tgt Ion: 98 Resp: 232790

Ion Ratio Lower Upper

98 100

100 61.7 50.2 75.4



#62

4-Bromofluorobenzene

Concen: 49.968 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.006 min

Lab File: VD080265.D

Acq: 25 Feb 2025 13:26

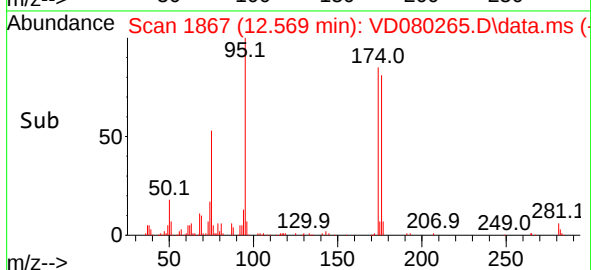
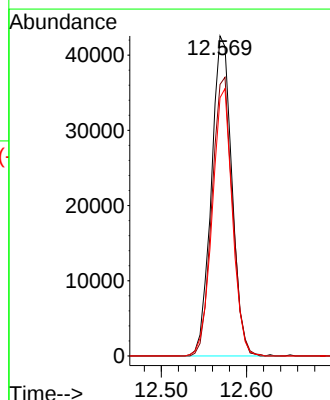
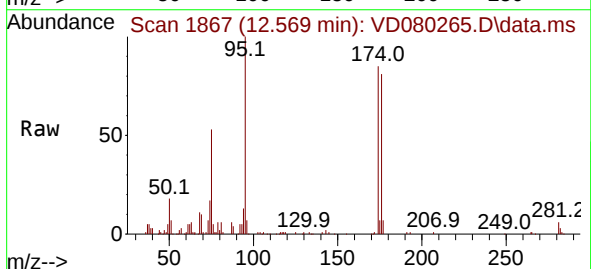
Tgt Ion: 95 Resp: 71175

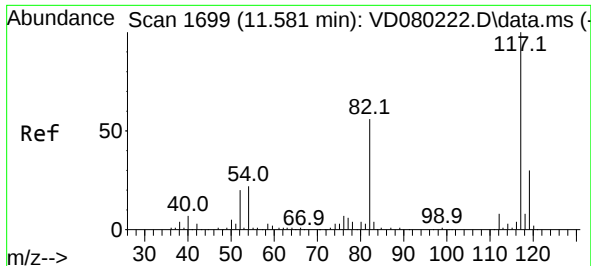
Ion Ratio Lower Upper

95 100

174 87.0 0.0 171.8

176 82.0 0.0 159.6

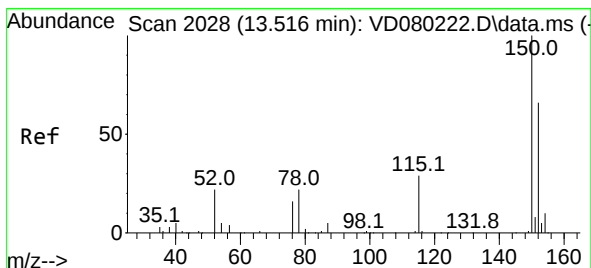
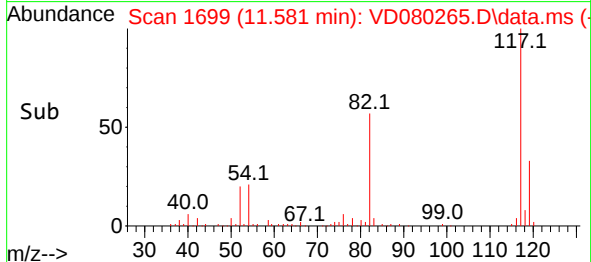
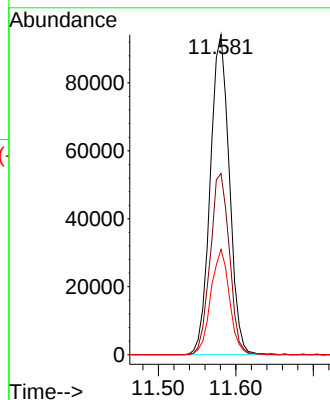
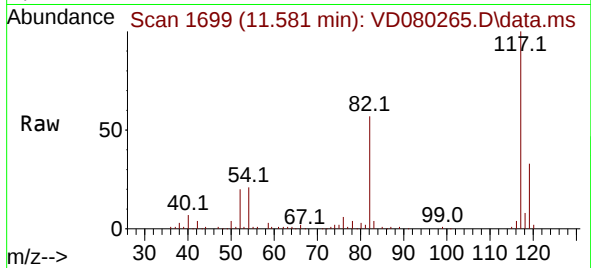




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD080265.D
Acq: 25 Feb 2025 13:26

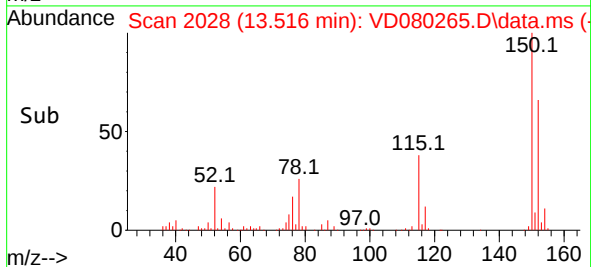
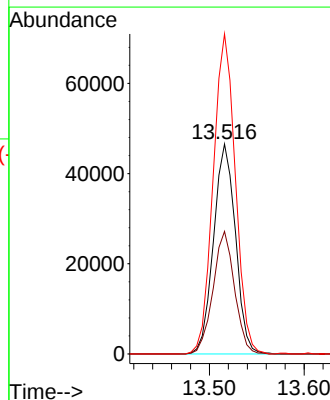
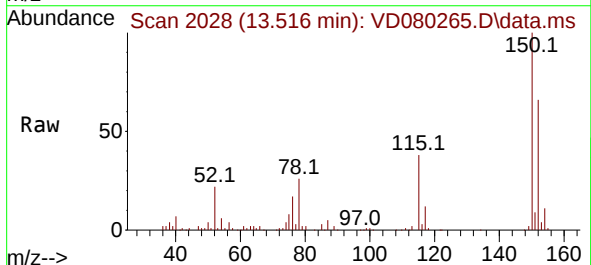
Instrument :
MSVOA_D
ClientSampleId :
VD0225SBL01

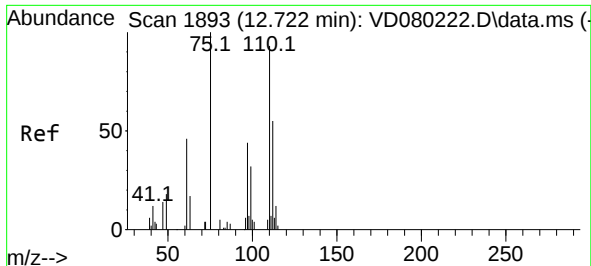
Tgt Ion:117 Resp: 161091
Ion Ratio Lower Upper
117 100
82 56.6 45.0 67.6
119 32.9 24.3 36.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD080265.D
Acq: 25 Feb 2025 13:26

Tgt Ion:152 Resp: 74926
Ion Ratio Lower Upper
152 100
115 57.3 30.0 90.1
150 154.0 0.0 350.4

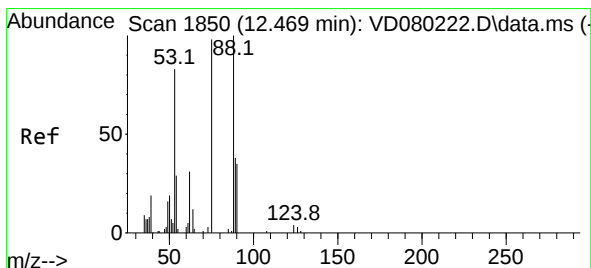
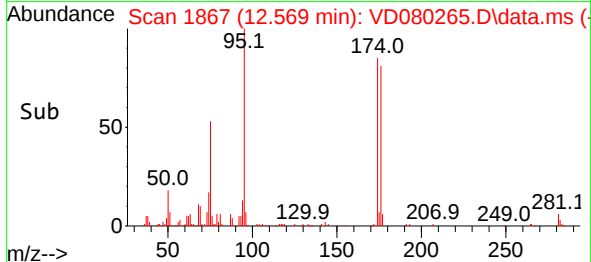
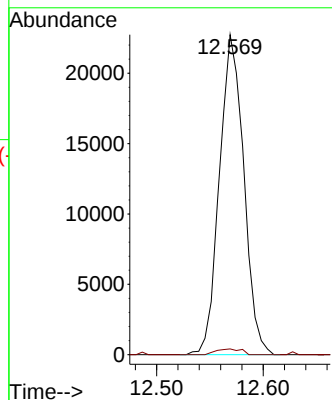
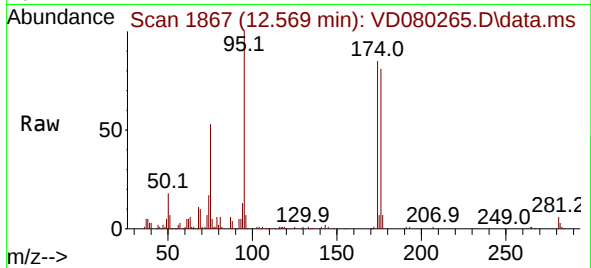




#76
1,2,3-Trichloropropane
Concen: 47.624 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD080265.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_D
ClientSampleId :
VD0225SBL01

Tgt Ion: 75 Resp: 36093
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 97.382 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD080265.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 75 Resp: 36093
Ion Ratio Lower Upper
75 100
53 0.6 69.1 103.7#
89 0.0 36.5 54.7#

