

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020325\
 Data File : VD080225.D
 Acq On : 03 Feb 2025 13:10
 Operator : RP/MD
 Sample : VIBLK
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 04 02:08:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D020325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 02:06:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	138663	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	246408	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	203836	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	83291	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	91964	50.985	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.980%
35) Dibromofluoromethane	7.810	113	84767	48.539	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.080%
50) Toluene-d8	10.269	98	255643	39.474	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	78.940%
62) 4-Bromofluorobenzene	12.575	95	70663	34.006	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	68.020%

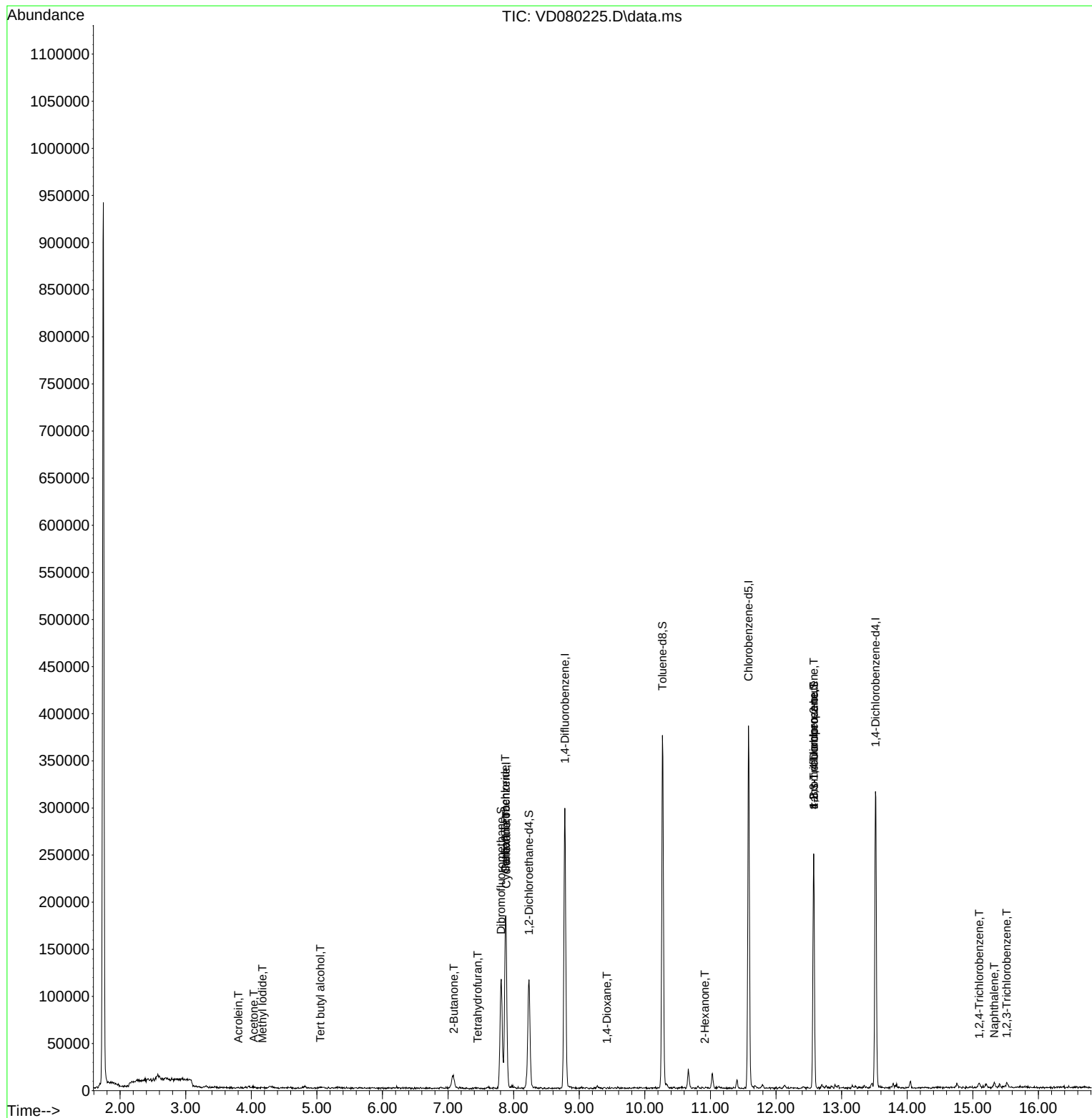
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.940	85	266	Below Cal	#	43
5) Bromomethane	2.693	94	875	Below Cal	#	1
10) Methyl Iodide	4.169	142	769	4.714	ug/l #	67
11) Tert butyl alcohol	5.052	59	614	6.162	ug/l #	19
13) Acrolein	3.805	56	283	1.506	ug/l #	75
16) Acetone	4.040	43	1745	6.003	ug/l #	84
25) 2-Butanone	7.087	43	843	1.870	ug/l #	43
29) Tetrahydrofuran	7.451	42	296	1.002	ug/l #	66
31) Cyclohexane	7.887	56	4198	1.571	ug/l #	8
38) Carbon Tetrachloride	7.875	117	14184	5.429	ug/l #	14
49) 1,4-Dioxane	9.422	88	56	4.685	ug/l #	1
59) 2-Hexanone	10.916	43	1096	1.517	ug/l	63
76) 1,2,3-Trichloropropane	12.575	75	37383	44.488	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	37383	90.733	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.098	180	2038	1.268	ug/l	87
95) Naphthalene	15.328	128	4307	1.023	ug/l	96
96) 1,2,3-Trichlorobenzene	15.516	180	1874	1.292	ug/l	95

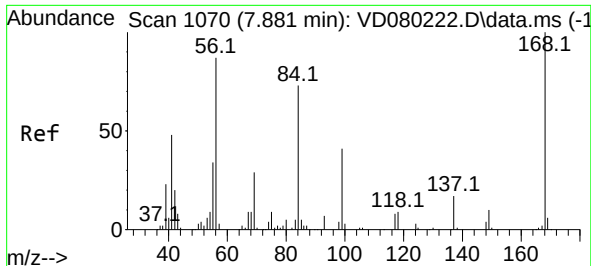
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

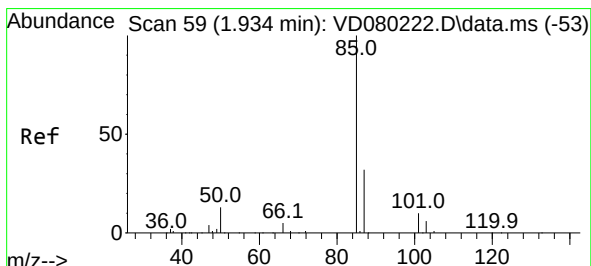
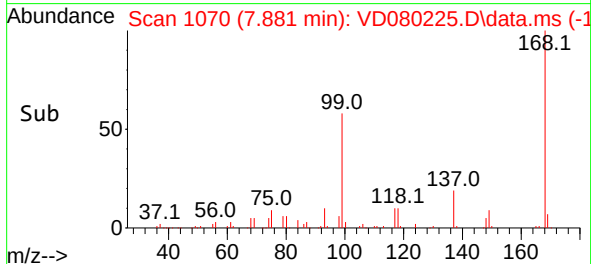
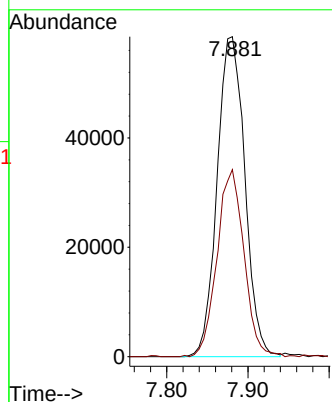
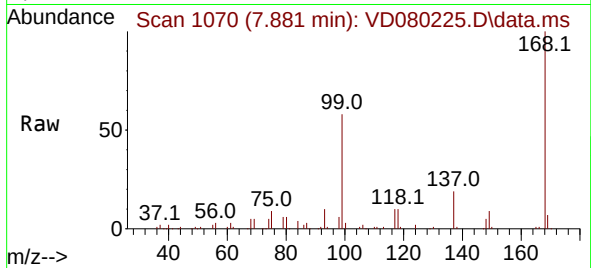




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 10
Delta R.T. -0.000 min
Lab File: VD080225.D
Acq: 03 Feb 2025 13:10

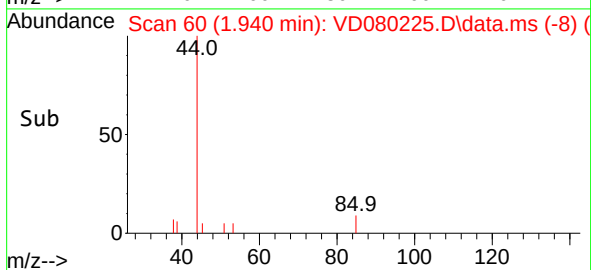
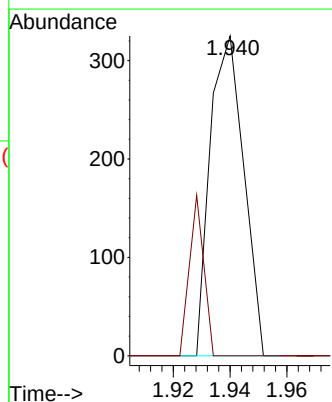
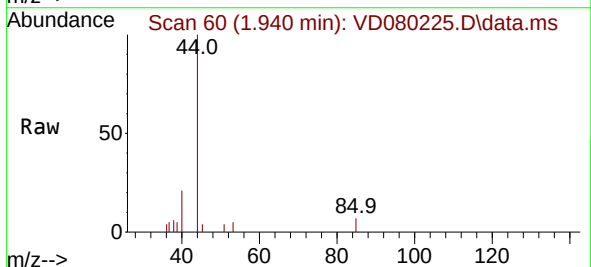
Instrument :
MSVOA_D
ClientSampleId :

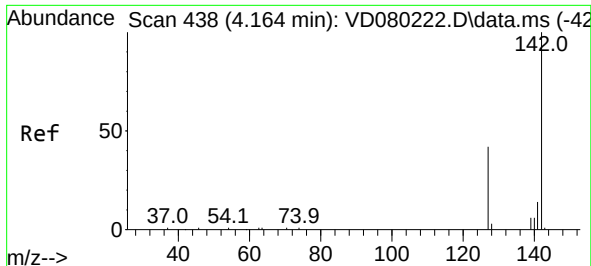
Tgt Ion:168 Resp: 138663
Ion Ratio Lower Upper
168 100
99 58.5 44.4 66.6



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.940 min Scan# 60
Delta R.T. 0.006 min
Lab File: VD080225.D
Acq: 03 Feb 2025 13:10

Tgt Ion: 85 Resp: 266
Ion Ratio Lower Upper
85 100
87 0.0 16.0 47.9#

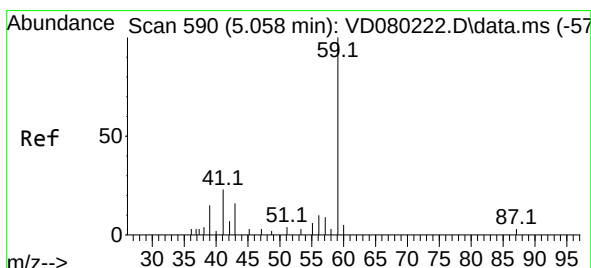
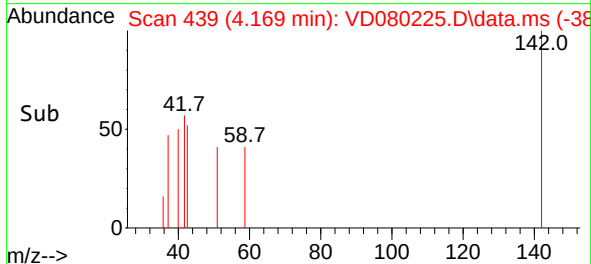
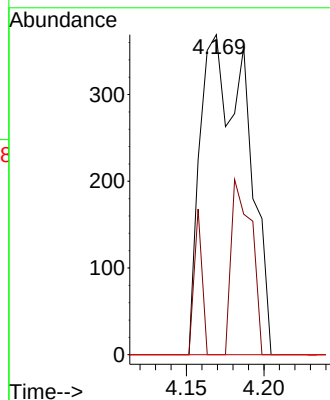
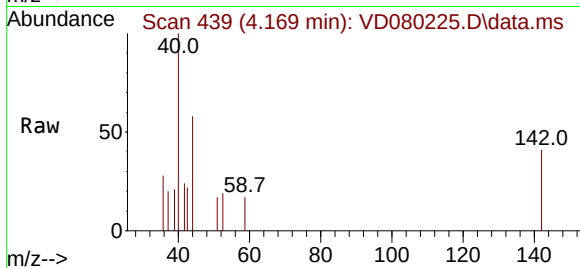




#10
Methyl Iodide
Concen: 4.714 ug/l
RT: 4.169 min Scan# 41
Delta R.T. 0.005 min
Lab File: VD080225.D
Acq: 03 Feb 2025 13:10

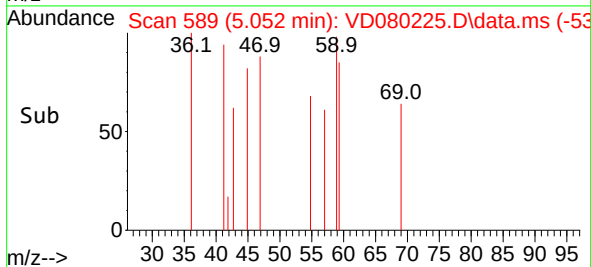
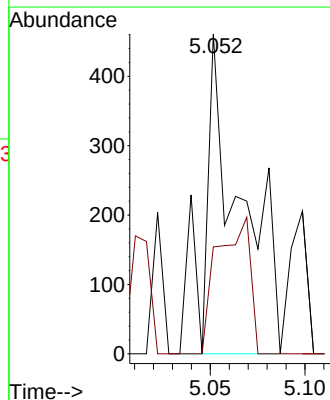
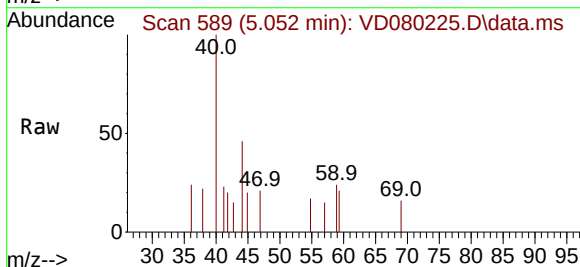
Instrument :
MSVOA_D
ClientSampleId :

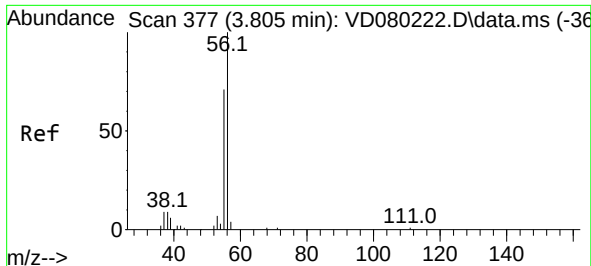
Tgt Ion:142 Resp: 769
Ion Ratio Lower Upper
142 100
127 23.8 35.4 53.2#
141 0.0 12.6 18.8#



#11
Tert butyl alcohol
Concen: 6.162 ug/l
RT: 5.052 min Scan# 589
Delta R.T. -0.006 min
Lab File: VD080225.D
Acq: 03 Feb 2025 13:10

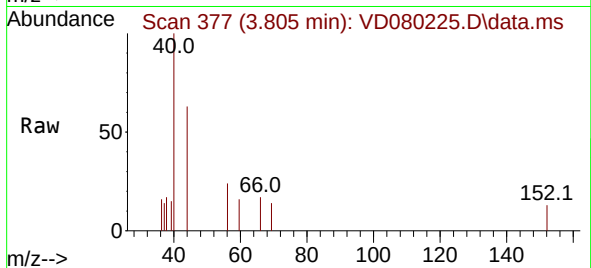
Tgt Ion: 59 Resp: 614
Ion Ratio Lower Upper
59 100
57 38.1 7.2 10.8#



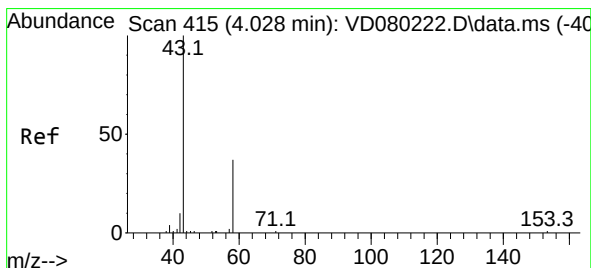
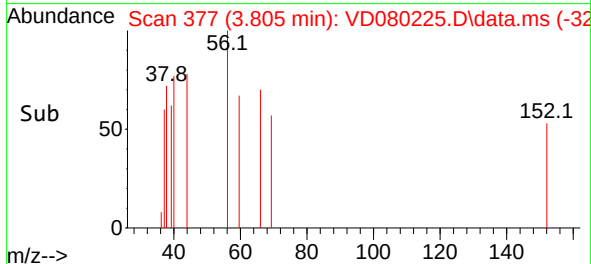
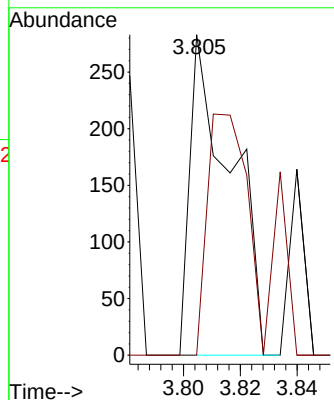


#13
Acrolein
Concen: 1.506 ug/l
RT: 3.805 min Scan# 31
Delta R.T. -0.000 min
Lab File: VD080225.D
Acq: 03 Feb 2025 13:10

Instrument :
MSVOA_D
ClientSampleId :

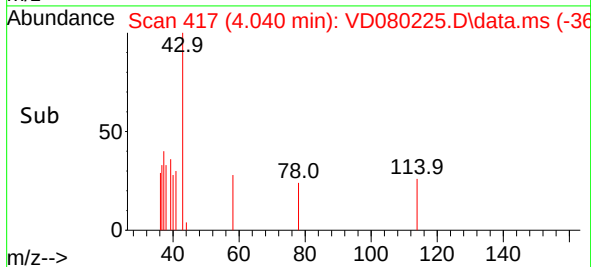
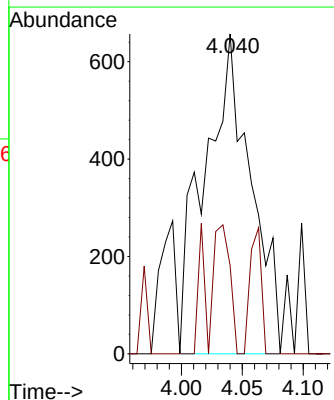
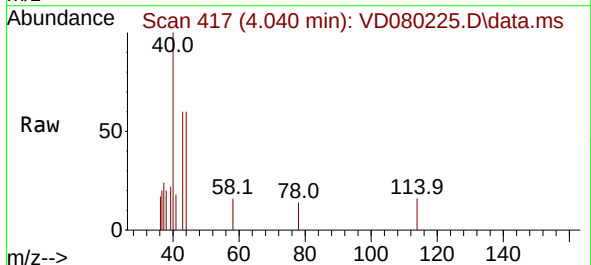


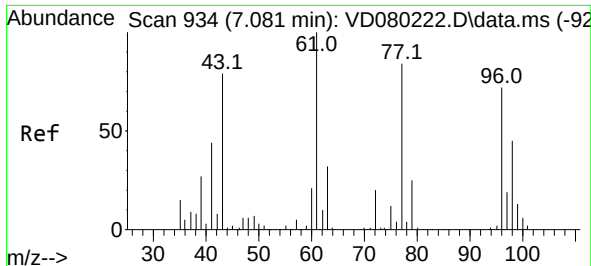
Tgt Ion: 56 Resp: 283
Ion Ratio Lower Upper
56 100
55 92.9 57.8 86.8#



#16
Acetone
Concen: 6.003 ug/l
RT: 4.040 min Scan# 417
Delta R.T. 0.012 min
Lab File: VD080225.D
Acq: 03 Feb 2025 13:10

Tgt Ion: 43 Resp: 1745
Ion Ratio Lower Upper
43 100
58 27.5 29.5 44.3#

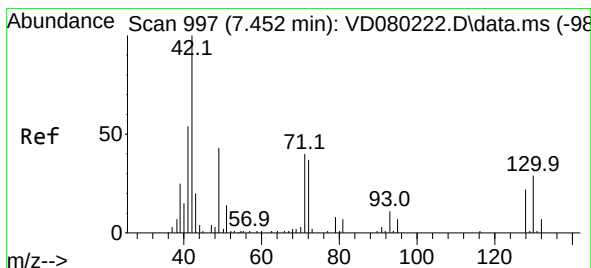
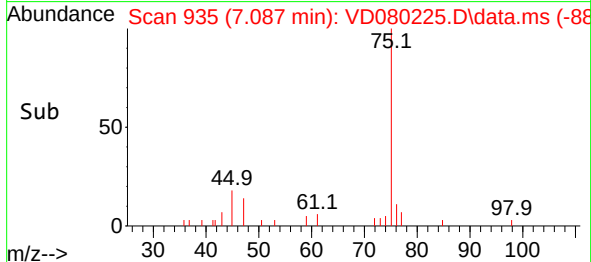
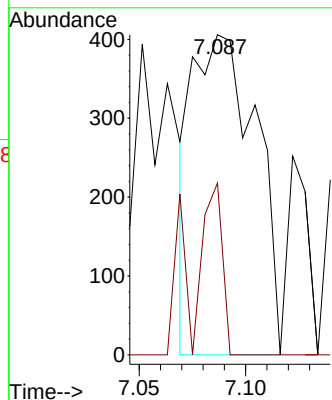
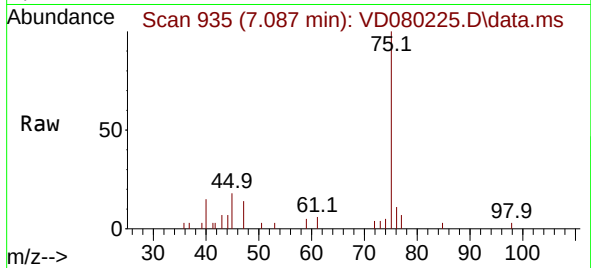




#25
2-Butanone
Concen: 1.870 ug/l
RT: 7.087 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD080225.D
Acq: 03 Feb 2025 13:10

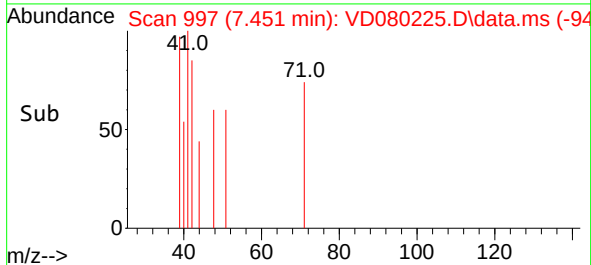
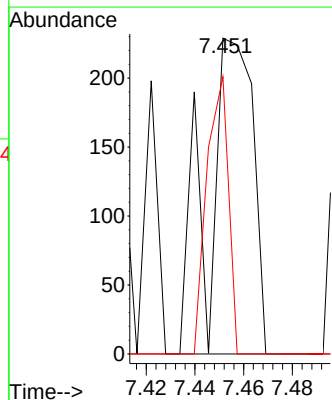
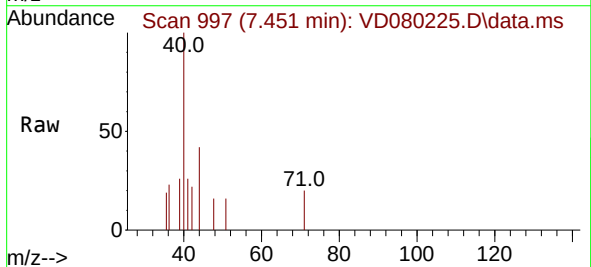
Instrument :
MSVOA_D
ClientSampleId :

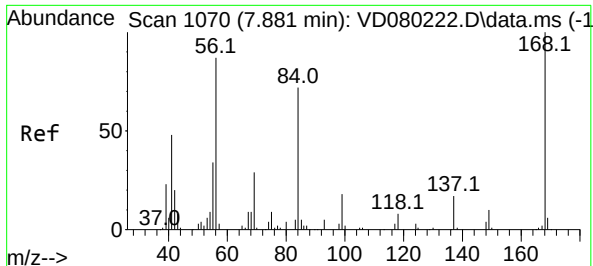
Tgt Ion: 43 Resp: 843
Ion Ratio Lower Upper
43 100
72 53.7 19.9 29.9#



#29
Tetrahydrofuran
Concen: 1.002 ug/l
RT: 7.451 min Scan# 997
Delta R.T. -0.000 min
Lab File: VD080225.D
Acq: 03 Feb 2025 13:10

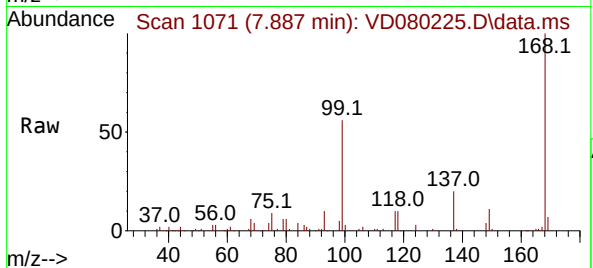
Tgt Ion: 42 Resp: 296
Ion Ratio Lower Upper
42 100
72 0.0 33.5 50.3#
71 41.9 32.9 49.3



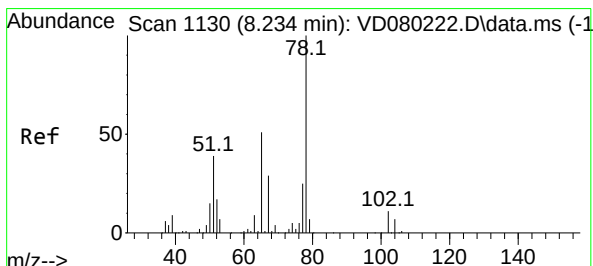
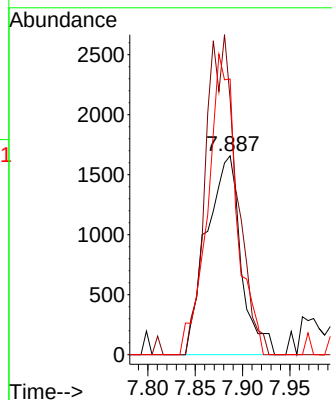
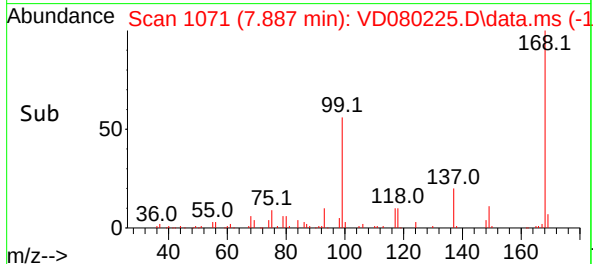


#31
Cyclohexane
Concen: 1.571 ug/l
RT: 7.887 min Scan# 1070
Delta R.T. 0.006 min
Lab File: VD080225.D
Acq: 03 Feb 2025 13:10

Instrument :
MSVOA_D
ClientSampleId :

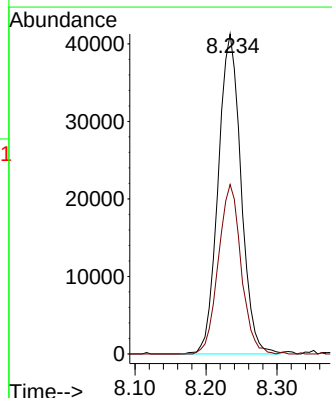
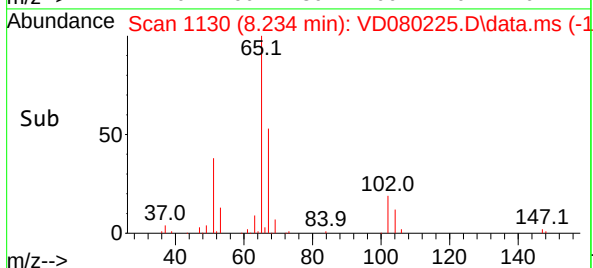
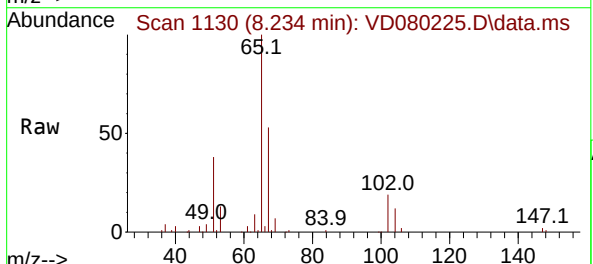


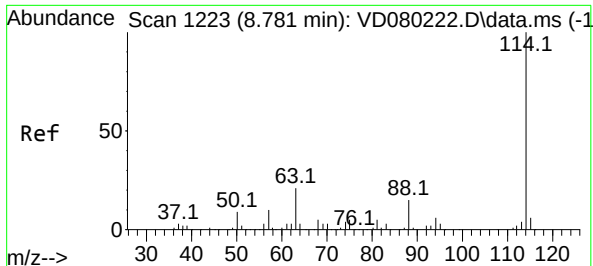
Tgt Ion: 56 Resp: 4198
Ion Ratio Lower Upper
56 100
69 128.5 27.0 40.4#
84 138.6 66.3 99.5#



#33
1,2-Dichloroethane-d4
Concen: 50.985 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VD080225.D
Acq: 03 Feb 2025 13:10

Tgt Ion: 65 Resp: 91964
Ion Ratio Lower Upper
65 100
67 52.8 0.0 107.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD080225.D

Acq: 03 Feb 2025 13:10

Instrument :

MSVOA_D

ClientSampleId :

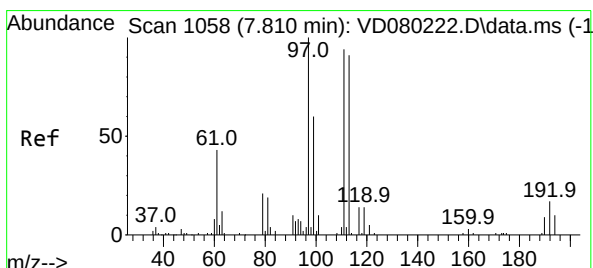
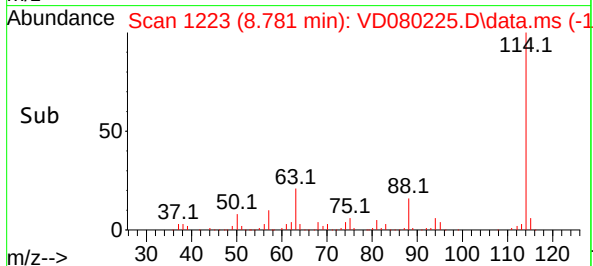
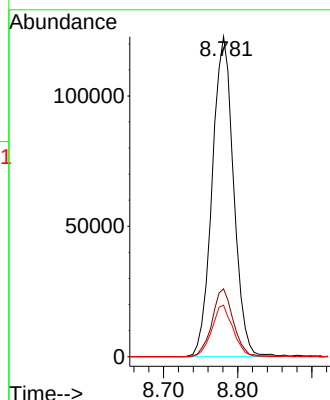
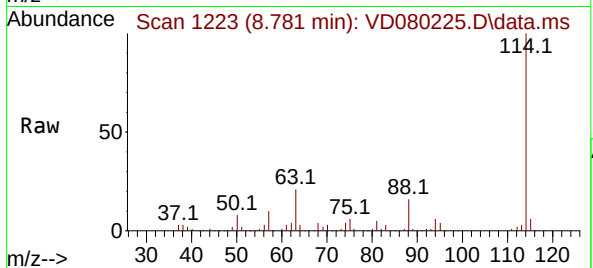
Tgt Ion:114 Resp: 246408

Ion Ratio Lower Upper

114 100

63 21.2 0.0 41.8

88 16.1 0.0 30.4



#35

Dibromofluoromethane

Concen: 48.539 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VD080225.D

Acq: 03 Feb 2025 13:10

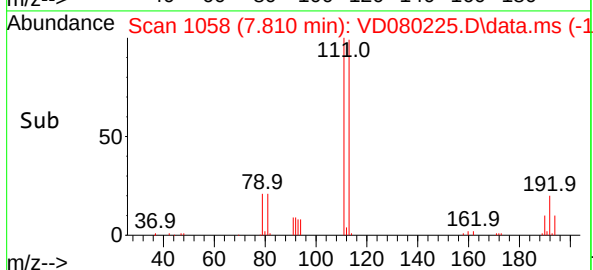
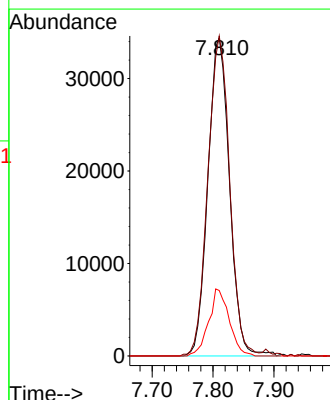
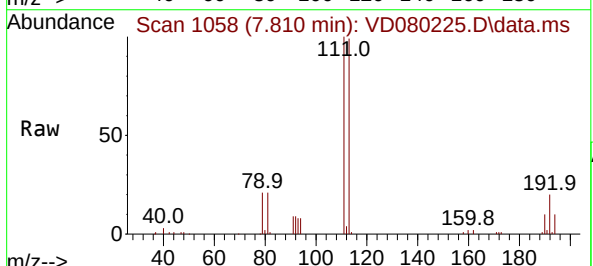
Tgt Ion:113 Resp: 84767

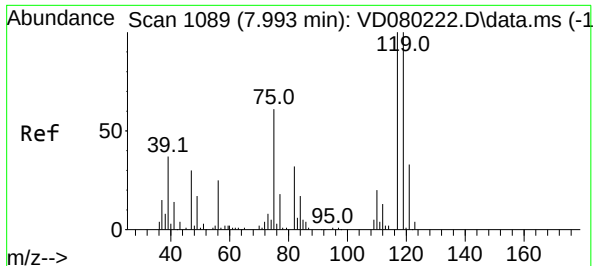
Ion Ratio Lower Upper

113 100

111 101.6 85.0 127.4

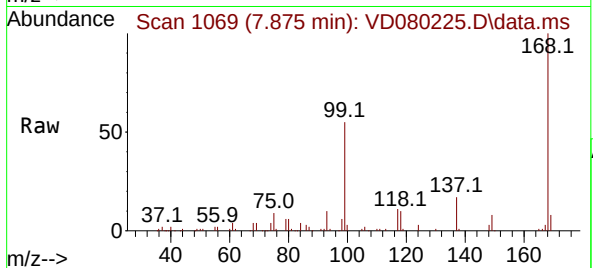
192 20.0 15.5 23.3



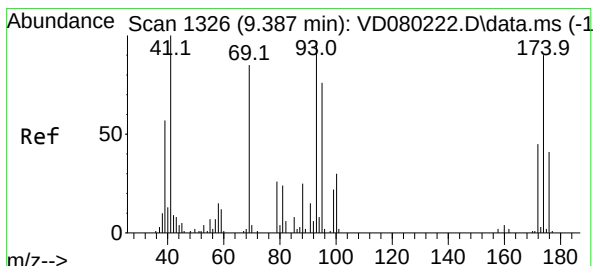
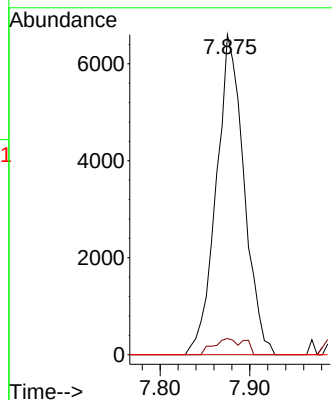
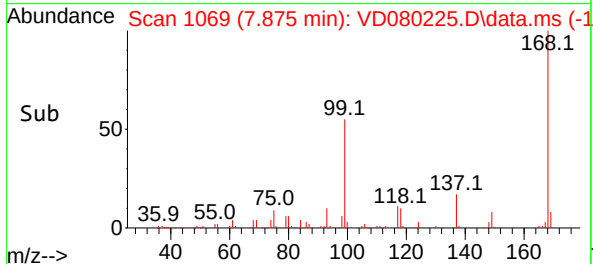


#38
Carbon Tetrachloride
Concen: 5.429 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.118 min
Lab File: VD080225.D
Acq: 03 Feb 2025 13:10

Instrument :
MSVOA_D
ClientSampleId :

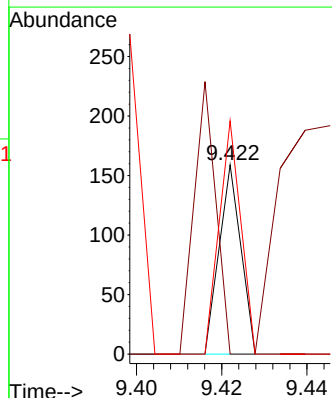
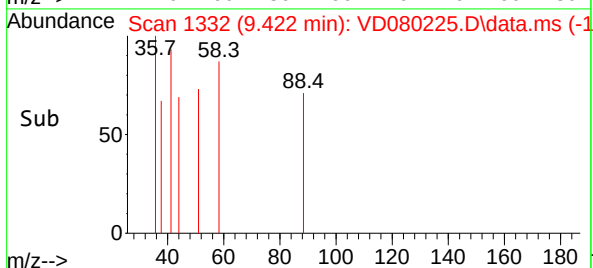
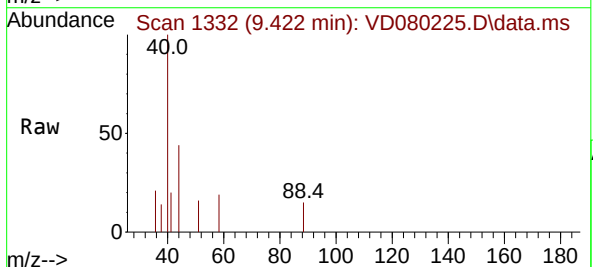


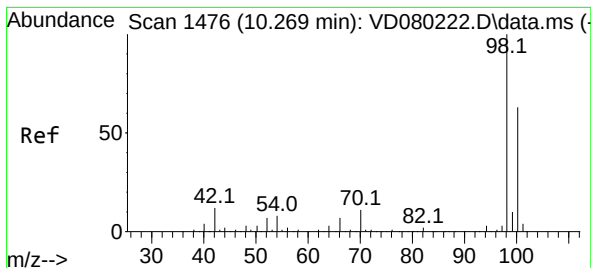
Tgt Ion:117 Resp: 14184
Ion Ratio Lower Upper
117 100
119 5.1 79.8 119.6#
121 0.0 26.6 39.8#



#49
1,4-Dioxane
Concen: 4.685 ug/l
RT: 9.422 min Scan# 1332
Delta R.T. 0.035 min
Lab File: VD080225.D
Acq: 03 Feb 2025 13:10

Tgt Ion: 88 Resp: 56
Ion Ratio Lower Upper
88 100
43 144.6 28.5 42.7#
58 123.2 56.3 84.5#

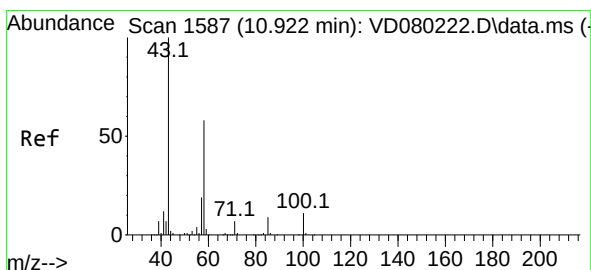
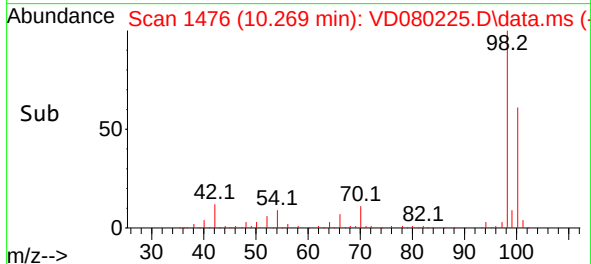
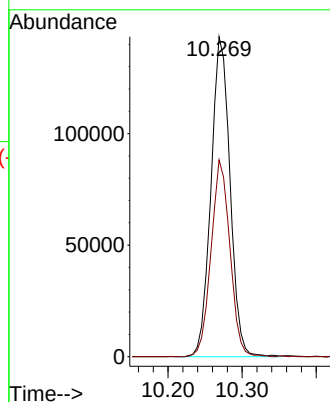
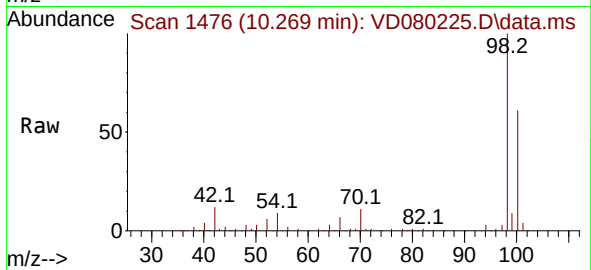




#50
Toluene-d8
Concen: 39.474 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD080225.D
Acq: 03 Feb 2025 13:10

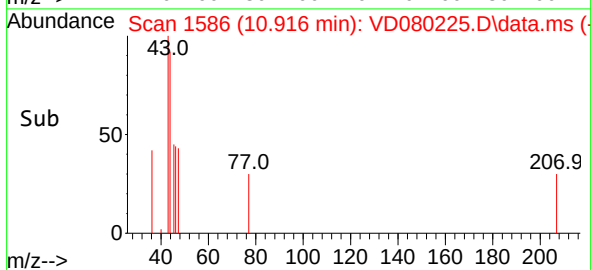
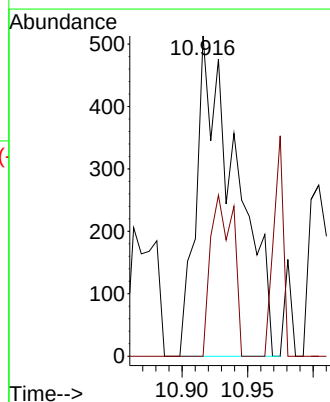
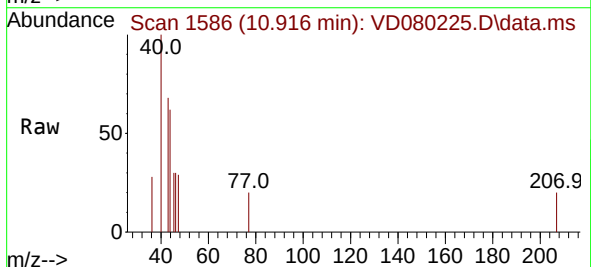
Instrument :
MSVOA_D
ClientSampleId :

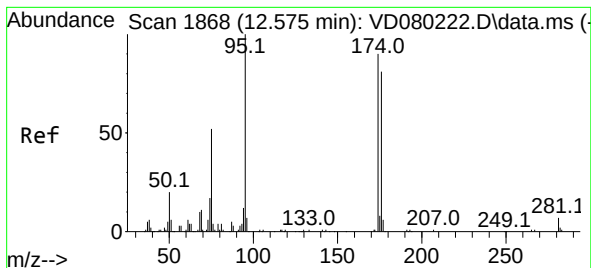
Tgt Ion: 98 Resp: 255643
Ion Ratio Lower Upper
98 100
100 61.1 50.2 75.4



#59
2-Hexanone
Concen: 1.517 ug/l
RT: 10.916 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VD080225.D
Acq: 03 Feb 2025 13:10

Tgt Ion: 43 Resp: 1096
Ion Ratio Lower Upper
43 100
58 28.2 27.4 82.2

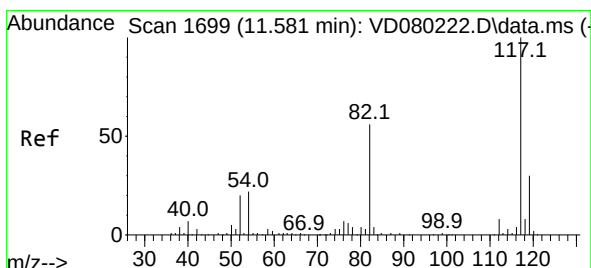
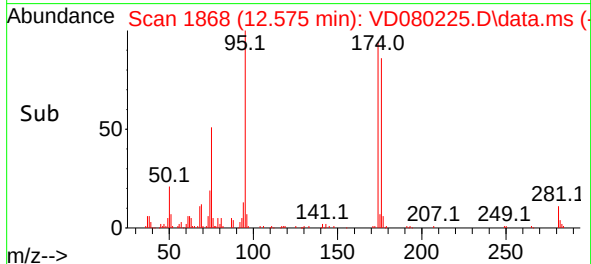
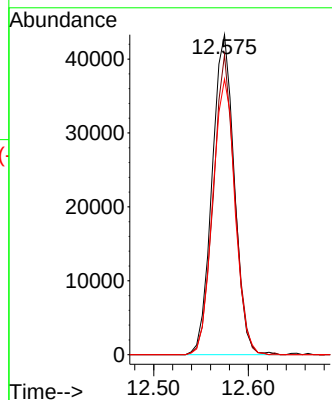
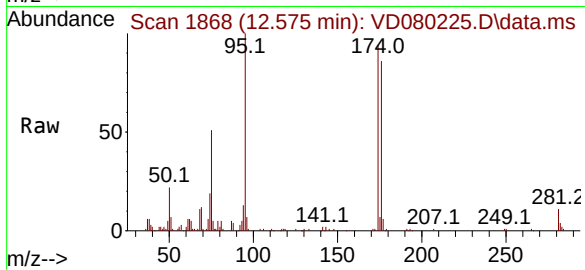




#62
4-Bromofluorobenzene
Concen: 34.006 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD080225.D
Acq: 03 Feb 2025 13:10

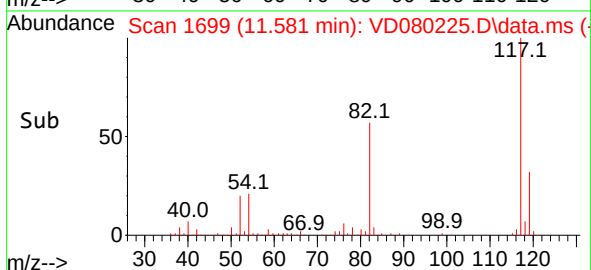
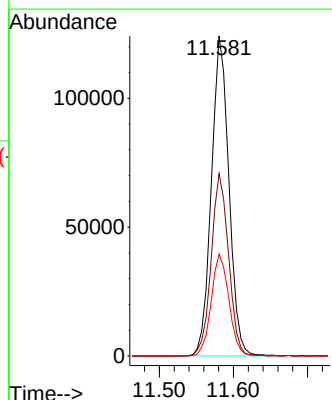
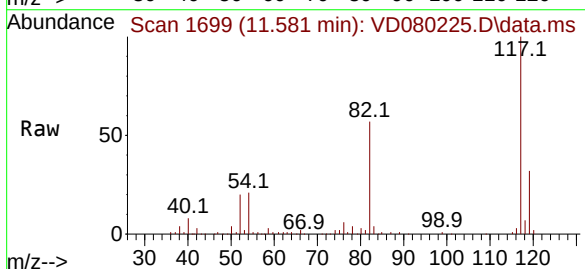
Instrument :
MSVOA_D
ClientSampleId :

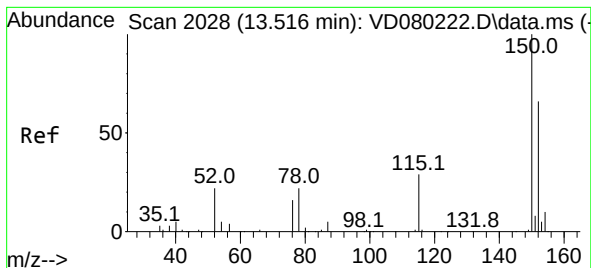
Tgt Ion: 95 Resp: 70663
Ion Ratio Lower Upper
95 100
174 90.0 0.0 171.8
176 86.9 0.0 159.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD080225.D
Acq: 03 Feb 2025 13:10

Tgt Ion: 117 Resp: 203836
Ion Ratio Lower Upper
117 100
82 57.0 45.0 67.6
119 31.8 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: VD080225.D

Acq: 03 Feb 2025 13:10

Instrument :

MSVOA_D

ClientSampleId :

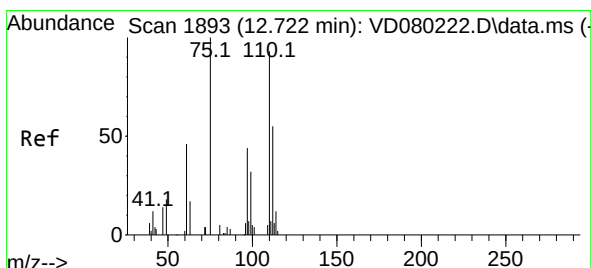
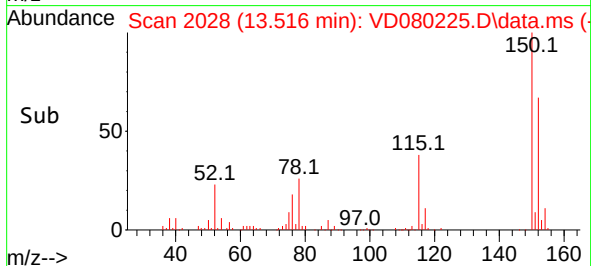
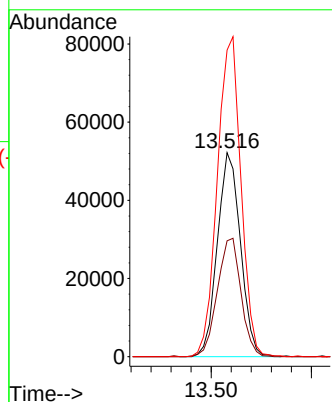
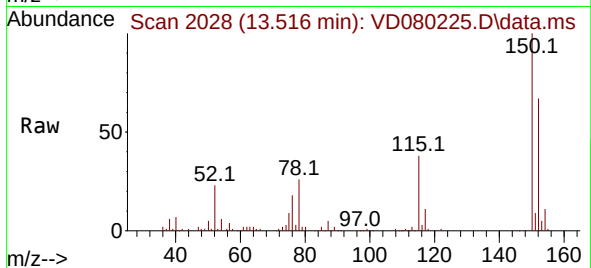
Tgt Ion:152 Resp: 83291

Ion Ratio Lower Upper

152 100

115 59.4 30.0 90.1

150 160.6 0.0 350.4



#76

1,2,3-Trichloropropane

Concen: 44.488 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD080225.D

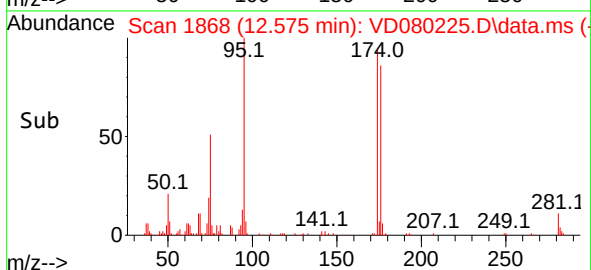
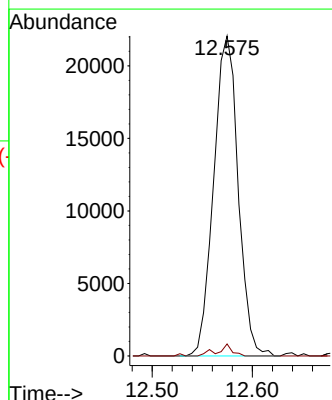
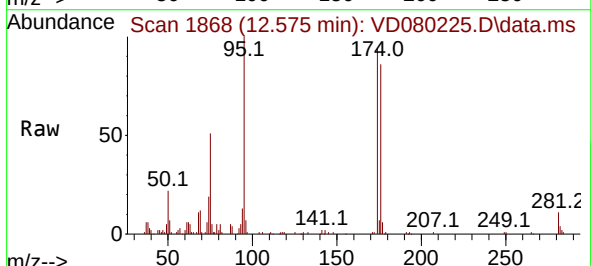
Acq: 03 Feb 2025 13:10

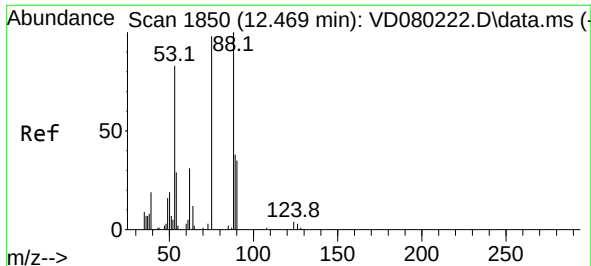
Tgt Ion: 75 Resp: 37383

Ion Ratio Lower Upper

75 100

77 2.1 0.0 0.0#

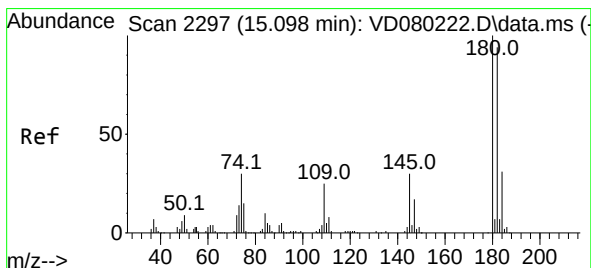
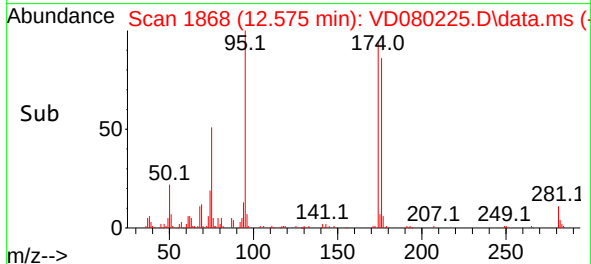
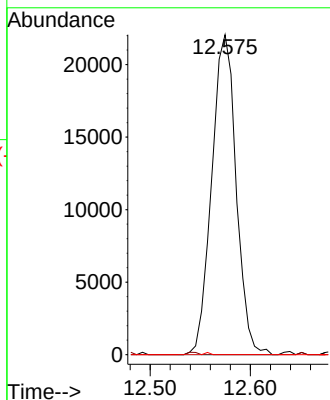
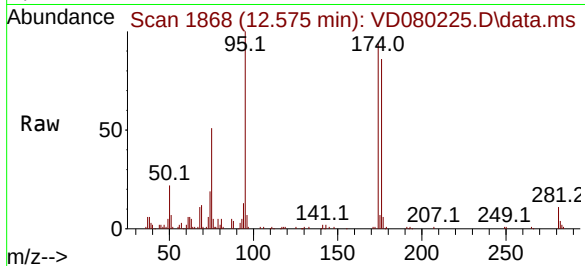




#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.733 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. 0.106 min
 Lab File: VD080225.D
 Acq: 03 Feb 2025 13:10

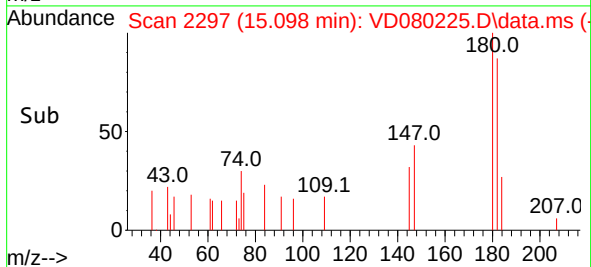
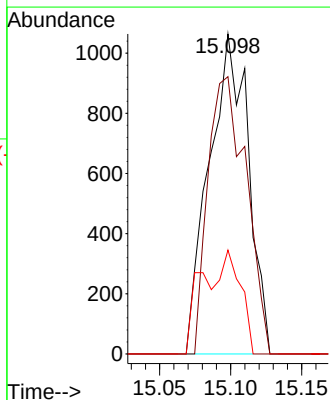
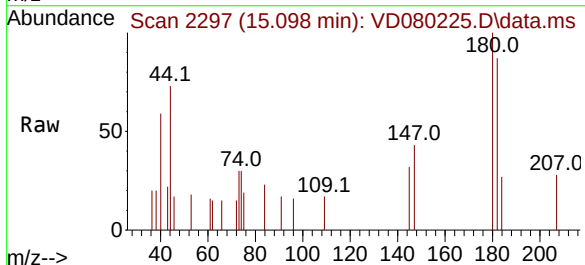
Instrument :
 MSVOA_D
 ClientSampleId :

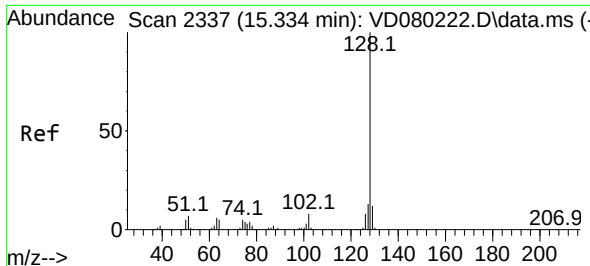
Tgt Ion: 75 Resp: 37383
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.1 103.7#
 89 0.1 36.5 54.7#



#93
 1,2,4-Trichlorobenzene
 Concen: 1.268 ug/l
 RT: 15.098 min Scan# 2297
 Delta R.T. -0.000 min
 Lab File: VD080225.D
 Acq: 03 Feb 2025 13:10

Tgt Ion: 180 Resp: 2038
 Ion Ratio Lower Upper
 180 100
 182 84.4 47.5 142.5
 145 18.2 14.6 44.0

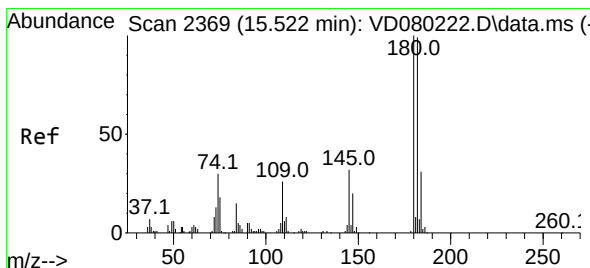
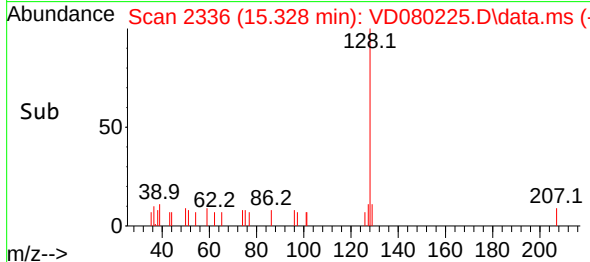
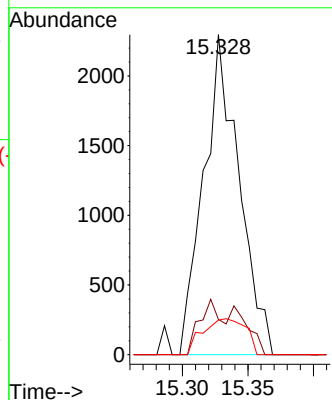
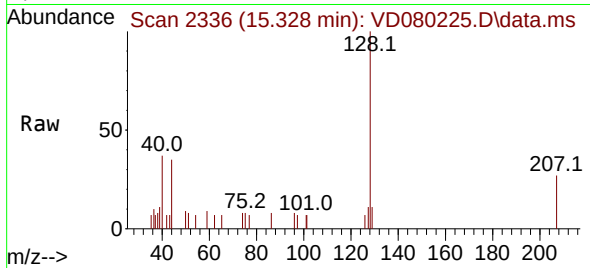




#95
Naphthalene
Concen: 1.023 ug/l
RT: 15.328 min Scan# 21
Delta R.T. -0.006 min
Lab File: VD080225.D
Acq: 03 Feb 2025 13:10

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128	Resp:	4307
Ion	Ratio	Lower Upper
128	100	
127	11.0	10.6 15.8
129	10.8	9.4 14.0



#96
1,2,3-Trichlorobenzene
Concen: 1.292 ug/l
RT: 15.516 min Scan# 2368
Delta R.T. -0.006 min
Lab File: VD080225.D
Acq: 03 Feb 2025 13:10

Tgt Ion:180	Resp:	1874
Ion	Ratio	Lower Upper
180	100	
182	89.6	47.3 142.0
145	28.8	15.6 46.7

