

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020325\
 Data File : VD080230.D
 Acq On : 03 Feb 2025 17:57
 Operator : RP/MD
 Sample : Q1271-01
 Misc : 5.00G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 04 02:12:18 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)

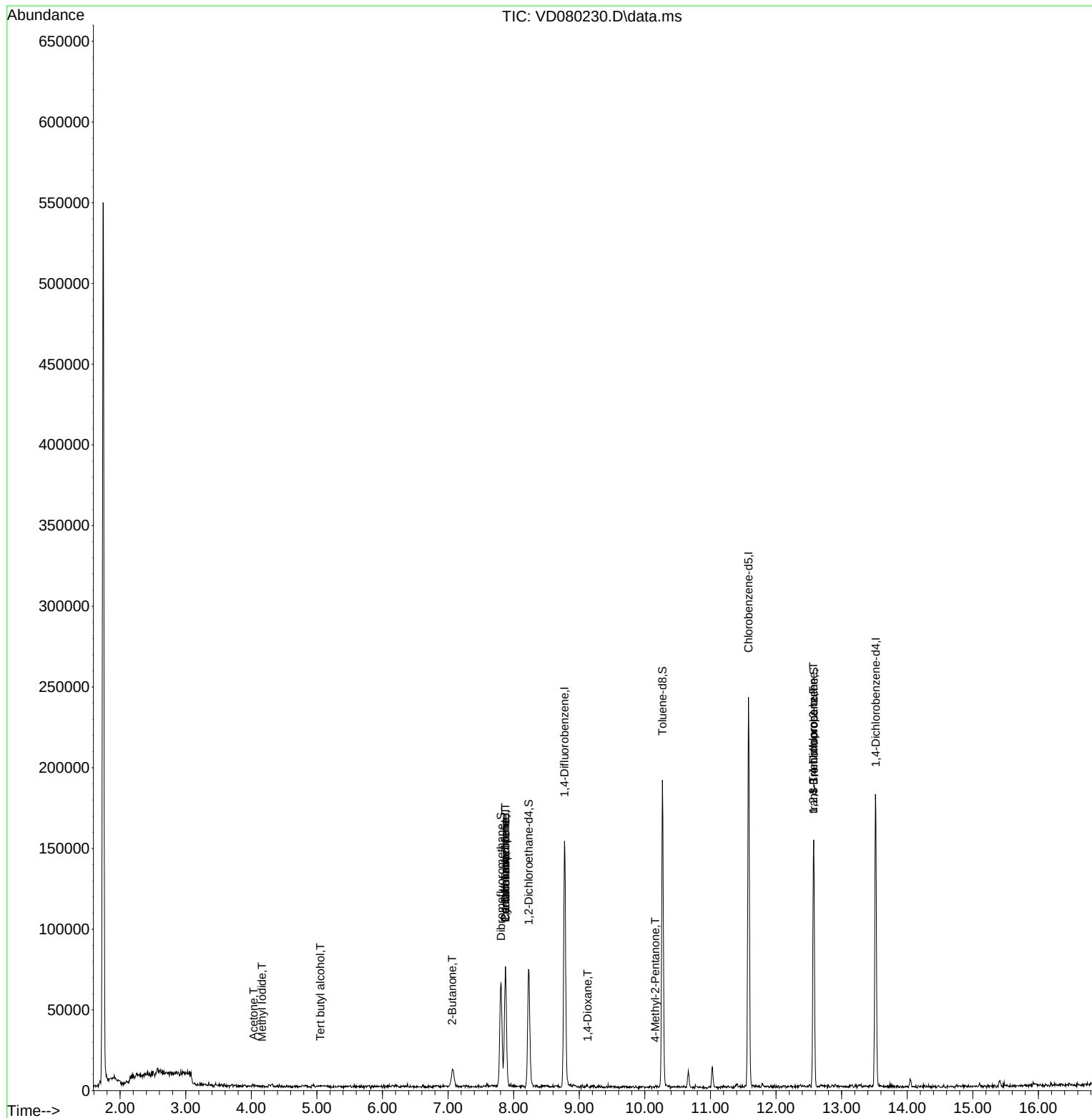
Internal Standards						
1) Pentafluorobenzene	7.875	168	53607	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	127589	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	131288	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.521	152	51348	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	58242	83.523	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 167.040%#	
35) Dibromofluoromethane	7.810	113	47593	52.632	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.260%	
50) Toluene-d8	10.269	98	128533	38.329	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 76.660%	
62) 4-Bromofluorobenzene	12.574	95	45527	42.312	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 84.620%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.652	85	60	Below Cal	#	43
5) Bromomethane	2.693	94	862	Below Cal		92
10) Methyl Iodide	4.163	142	77	4.307	ug/l #	40
11) Tert butyl alcohol	5.051	59	292	7.581	ug/l #	75
16) Acetone	4.034	43	1482	13.187	ug/l #	38
25) 2-Butanone	7.063	43	351	2.014	ug/l #	50
31) Cyclohexane	7.875	56	1645	1.592	ug/l #	47
36) 1,1-Dichloropropene	7.875	75	5102	3.939	ug/l #	44
38) Carbon Tetrachloride	7.875	117	5406	3.996	ug/l #	17
49) 1,4-Dioxane	9.128	88	54	8.725	ug/l #	2
51) 4-Methyl-2-Pentanone	10.157	43	870	1.526	ug/l #	77
76) 1,2,3-Trichloropropane	12.569	75	23710	45.769	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	23710	93.346	ug/l #	15
95) Naphthalene	15.333	128	998	Below Cal	#	68

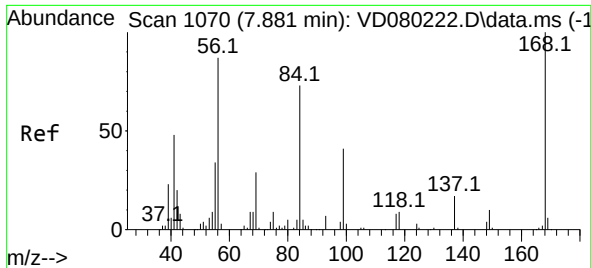
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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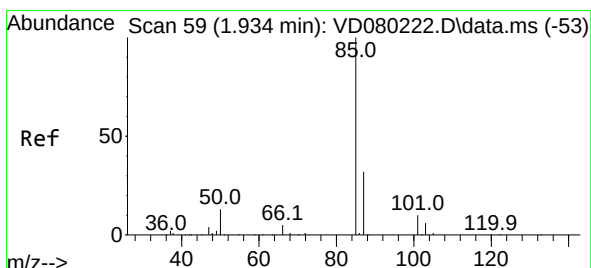
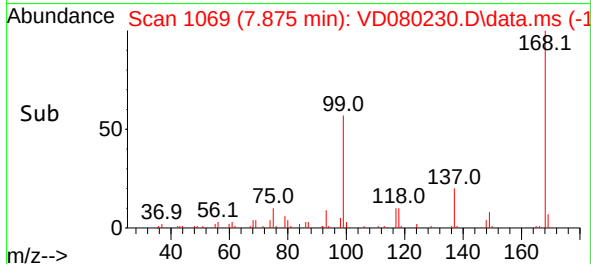
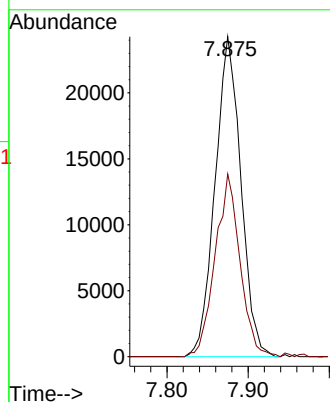
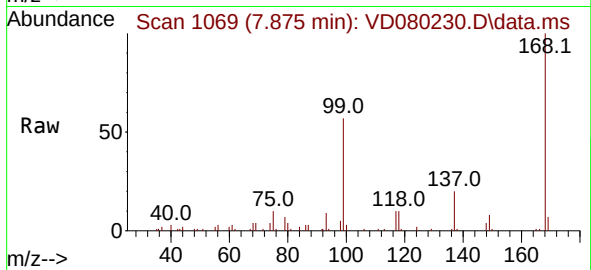




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD080230.D
Acq: 03 Feb 2025 17:57

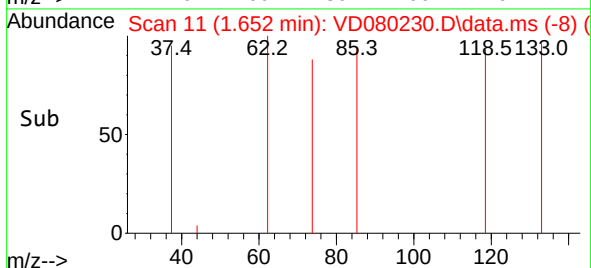
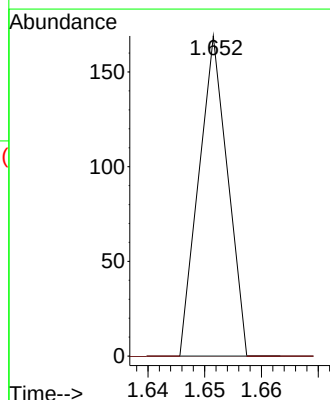
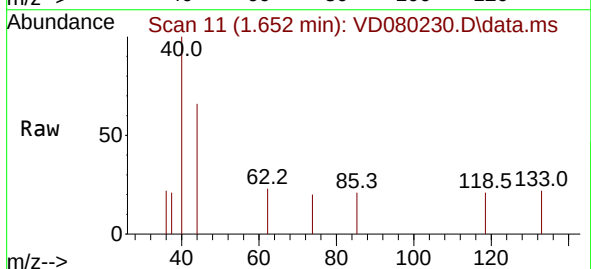
Instrument :
MSVOA_D
ClientSampleId :

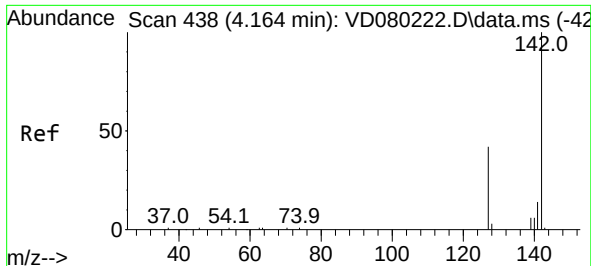
Tgt Ion:168 Resp: 53607
Ion Ratio Lower Upper
168 100
99 57.1 44.4 66.6



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.652 min Scan# 11
Delta R.T. -0.282 min
Lab File: VD080230.D
Acq: 03 Feb 2025 17:57

Tgt Ion: 85 Resp: 60
Ion Ratio Lower Upper
85 100
87 0.0 16.0 47.9#

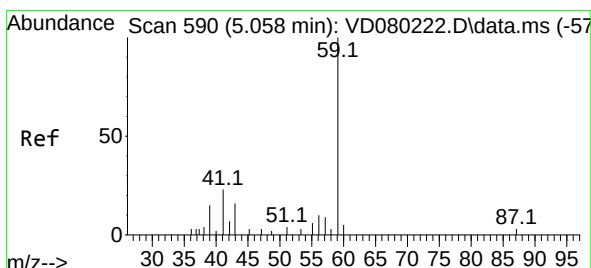
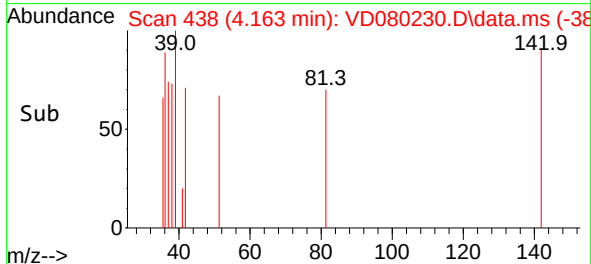
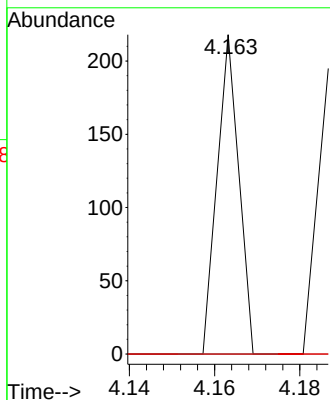
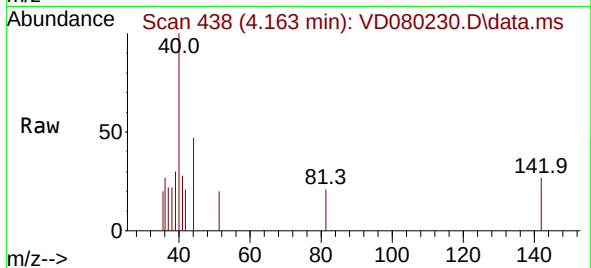




#10
Methyl Iodide
Concen: 4.307 ug/l
RT: 4.163 min Scan# 41
Delta R.T. -0.001 min
Lab File: VD080230.D
Acq: 03 Feb 2025 17:57

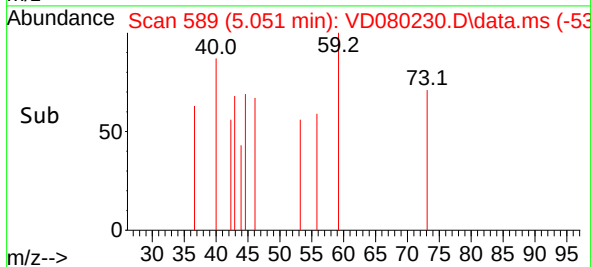
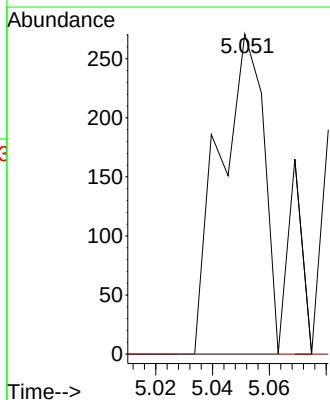
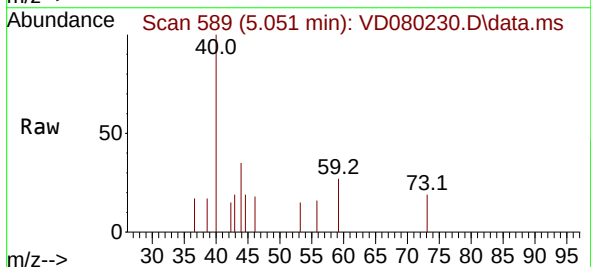
Instrument :
MSVOA_D
ClientSampleId :

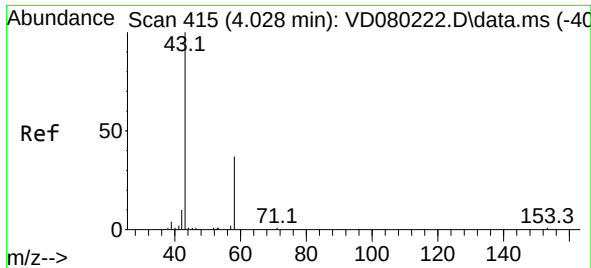
Tgt Ion:142 Resp: 77
Ion Ratio Lower Upper
142 100
127 0.0 35.4 53.2#
141 0.0 12.6 18.8#



#11
Tert butyl alcohol
Concen: 7.581 ug/l
RT: 5.051 min Scan# 589
Delta R.T. -0.006 min
Lab File: VD080230.D
Acq: 03 Feb 2025 17:57

Tgt Ion: 59 Resp: 292
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#

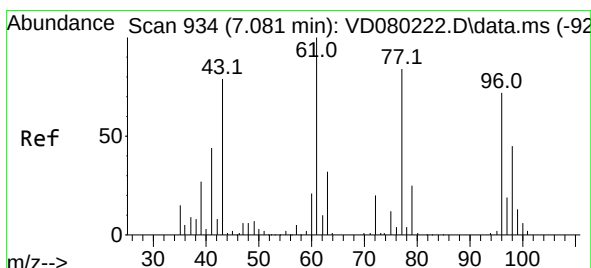
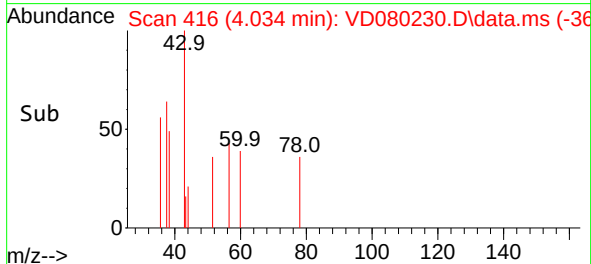
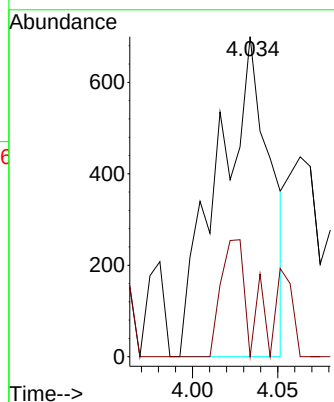
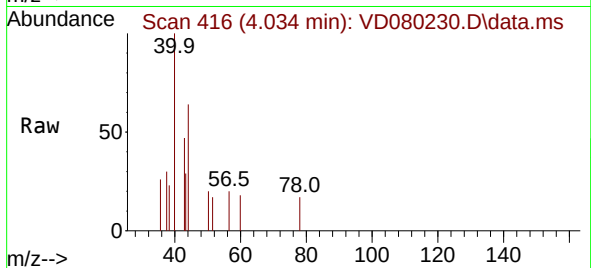




#16
Acetone
Concen: 13.187 ug/l
RT: 4.034 min Scan# 415
Delta R.T. 0.005 min
Lab File: VD080230.D
Acq: 03 Feb 2025 17:57

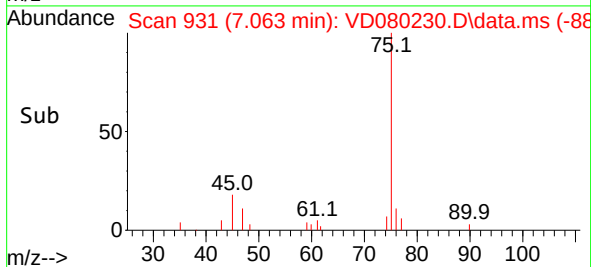
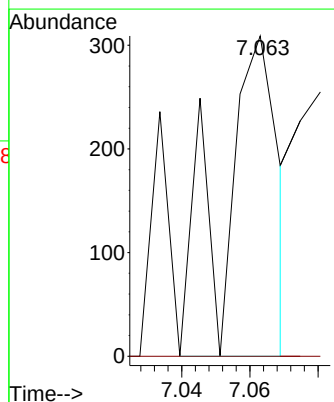
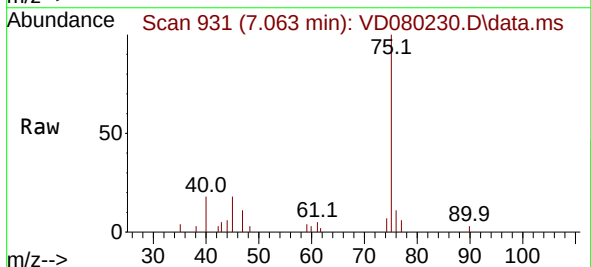
Instrument :
MSVOA_D
ClientSampleId :

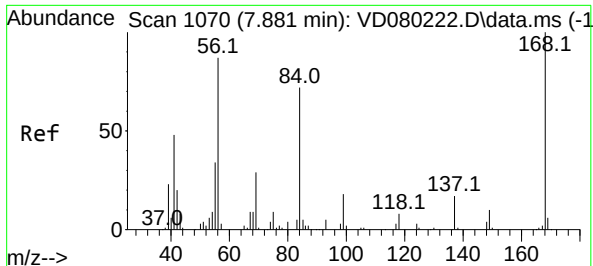
Tgt Ion: 43 Resp: 1482
Ion Ratio Lower Upper
43 100
58 0.0 29.5 44.3#



#25
2-Butanone
Concen: 2.014 ug/l
RT: 7.063 min Scan# 931
Delta R.T. -0.018 min
Lab File: VD080230.D
Acq: 03 Feb 2025 17:57

Tgt Ion: 43 Resp: 351
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#





#31

Cyclohexane

Concen: 1.592 ug/l

RT: 7.875 min Scan# 1109

Delta R.T. -0.006 min

Lab File: VD080230.D

Acq: 03 Feb 2025 17:57

Instrument :

MSVOA_D

ClientSampleId :

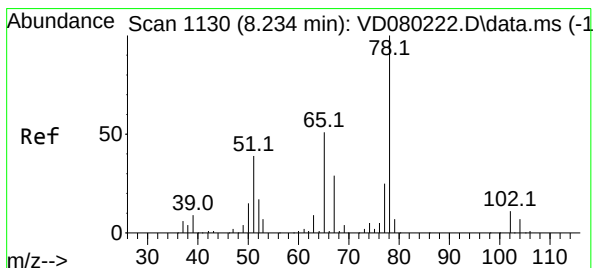
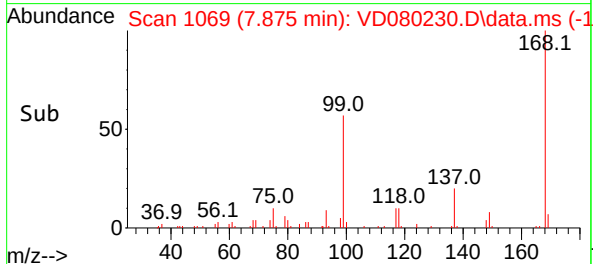
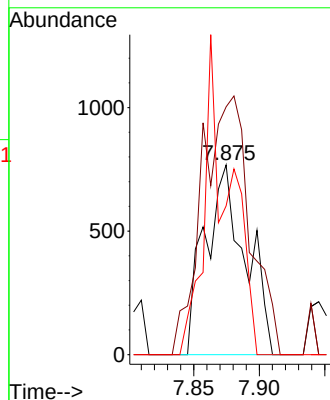
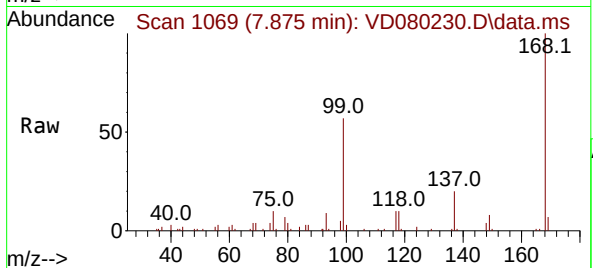
Tgt Ion: 56 Resp: 1645

Ion Ratio Lower Upper

56 100

69 130.6 27.0 40.4#

84 78.4 66.3 99.5



#33

1,2-Dichloroethane-d4

Concen: 83.523 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD080230.D

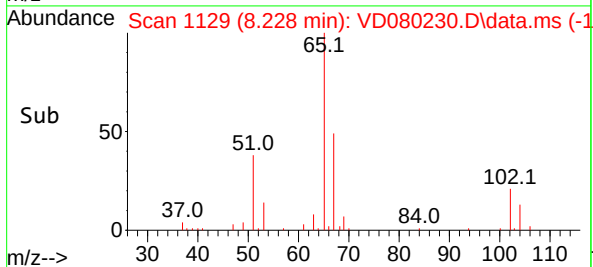
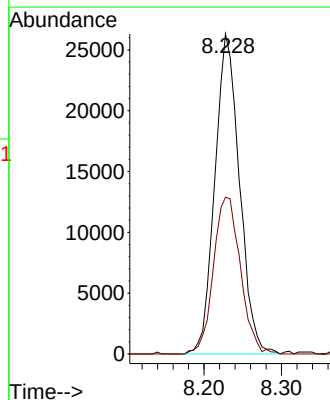
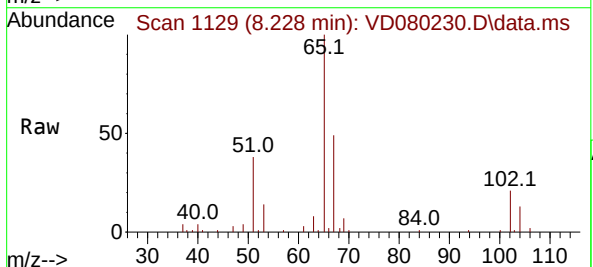
Acq: 03 Feb 2025 17:57

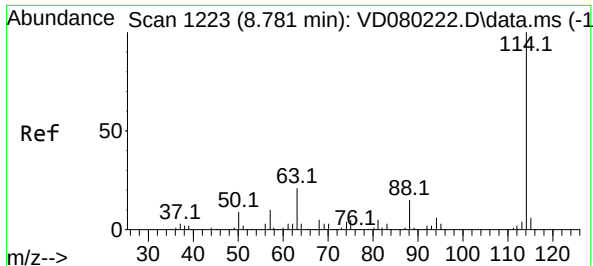
Tgt Ion: 65 Resp: 58242

Ion Ratio Lower Upper

65 100

67 53.6 0.0 107.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD080230.D

Acq: 03 Feb 2025 17:57

Instrument :

MSVOA_D

ClientSampleId :

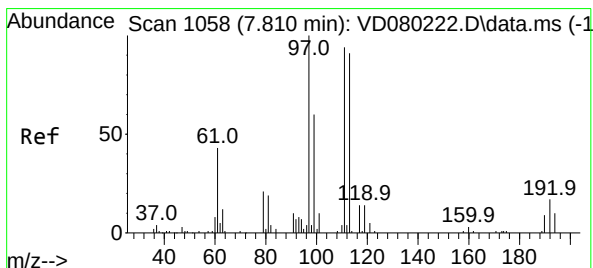
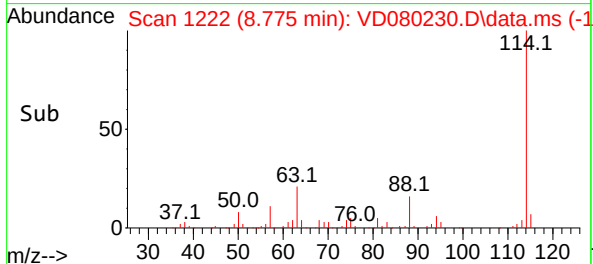
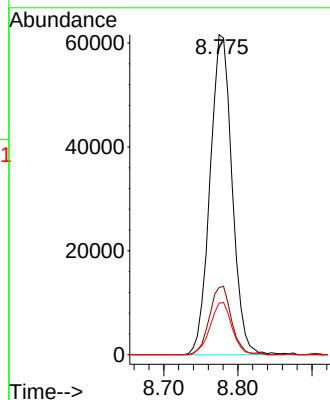
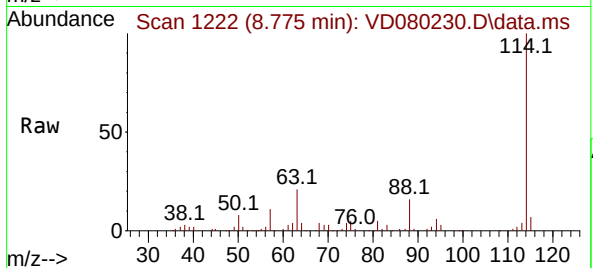
Tgt Ion:114 Resp: 127589

Ion Ratio Lower Upper

114 100

63 21.0 0.0 41.8

88 16.1 0.0 30.4



#35

Dibromofluoromethane

Concen: 52.632 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VD080230.D

Acq: 03 Feb 2025 17:57

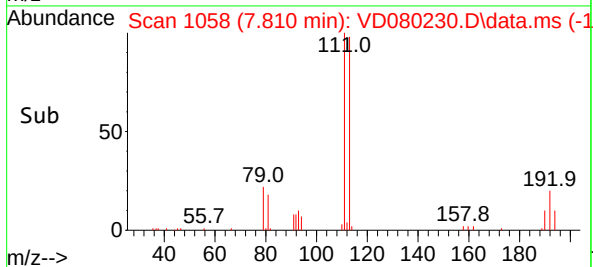
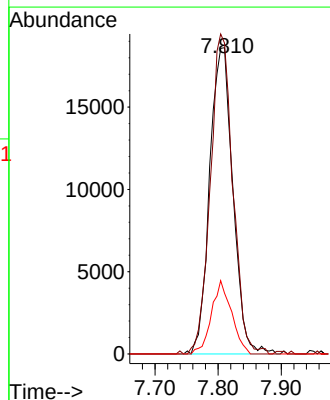
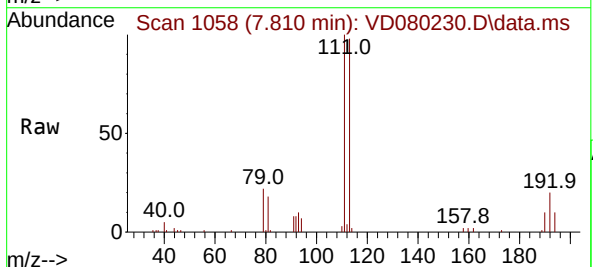
Tgt Ion:113 Resp: 47593

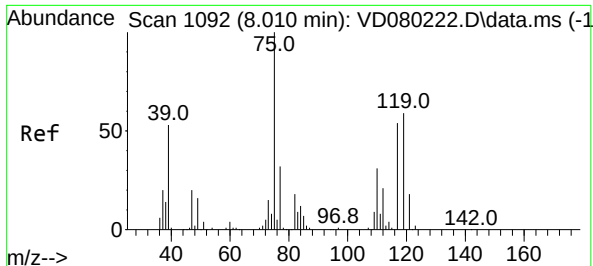
Ion Ratio Lower Upper

113 100

111 100.8 85.0 127.4

192 20.7 15.5 23.3





#36

1,1-Dichloropropene

Concen: 3.939 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.136 min

Lab File: VD080230.D

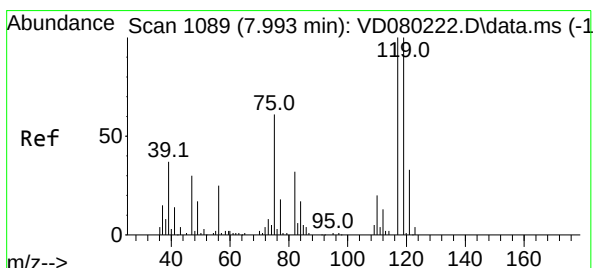
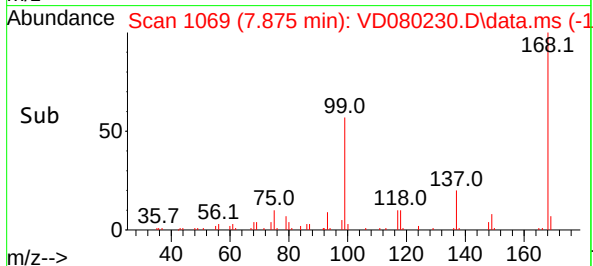
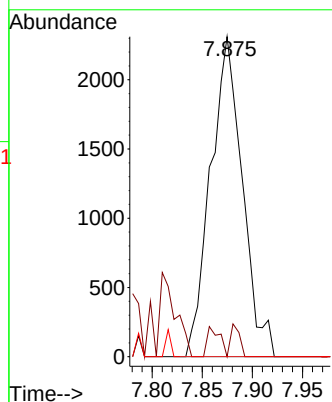
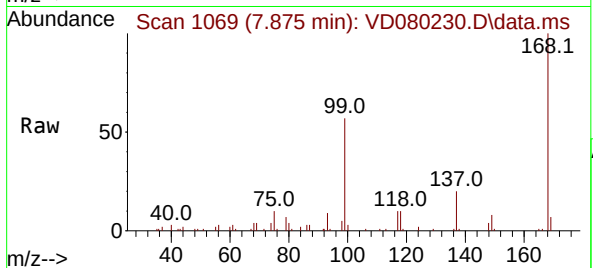
Acq: 03 Feb 2025 17:57

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 75	Resp: 5102
Ion Ratio	Lower Upper
75 100	
110 2.8	17.1 51.2#
77 0.0	25.6 38.4#



#38

Carbon Tetrachloride

Concen: 3.996 ug/l

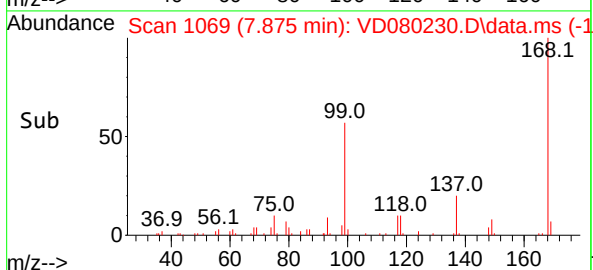
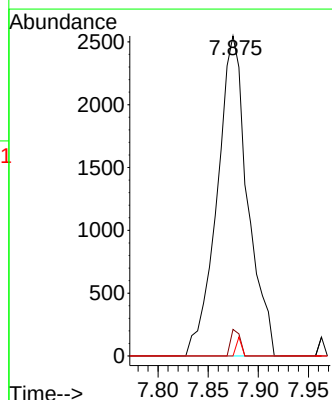
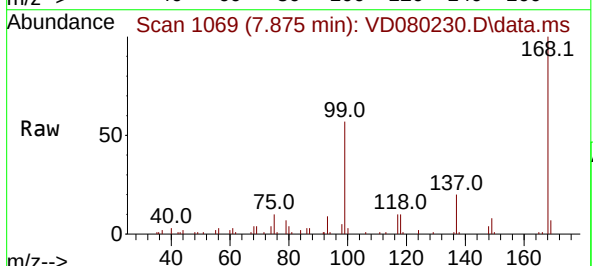
RT: 7.875 min Scan# 1069

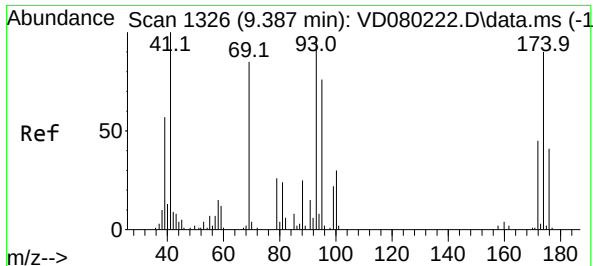
Delta R.T. -0.118 min

Lab File: VD080230.D

Acq: 03 Feb 2025 17:57

Tgt Ion: 117	Resp: 5406
Ion Ratio	Lower Upper
117 100	
119 8.3	79.8 119.6#
121 0.0	26.6 39.8#





#49

1,4-Dioxane

Concen: 8.725 ug/l

RT: 9.128 min Scan# 11

Delta R.T. -0.259 min

Lab File: VD080230.D

Acq: 03 Feb 2025 17:57

Instrument :

MSVOA_D

ClientSampleId :

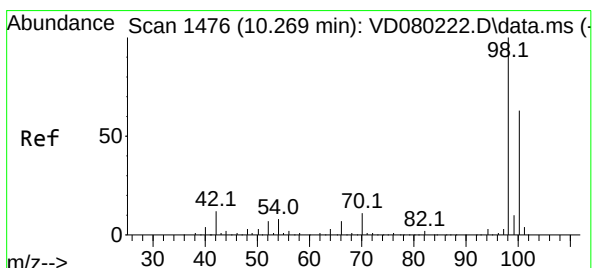
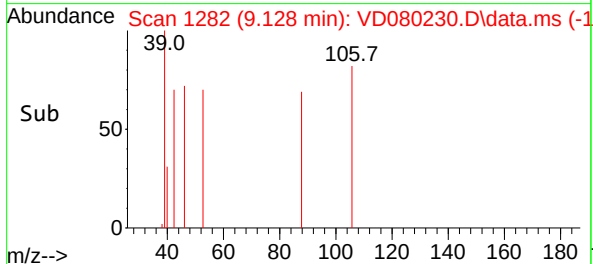
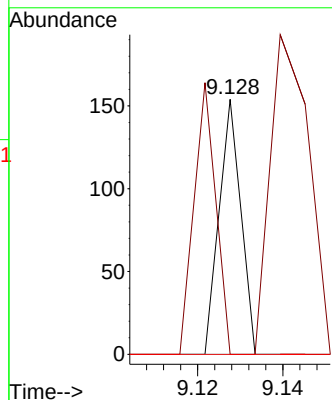
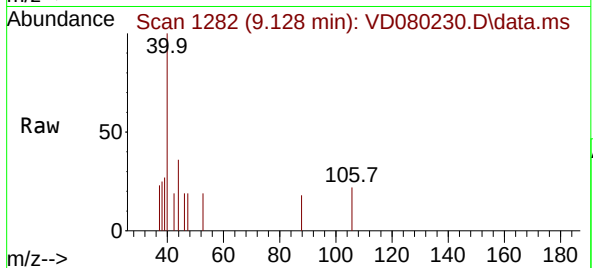
Tgt Ion: 88 Resp: 54

Ion Ratio Lower Upper

88 100

43 107.4 28.5 42.7#

58 0.0 56.3 84.5#



#50

Toluene-d8

Concen: 38.329 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD080230.D

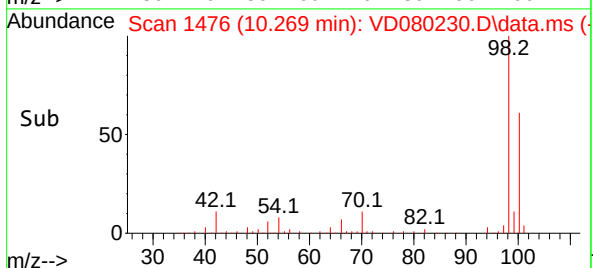
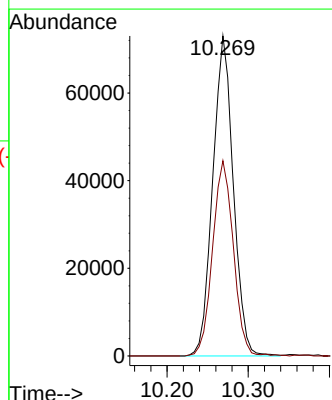
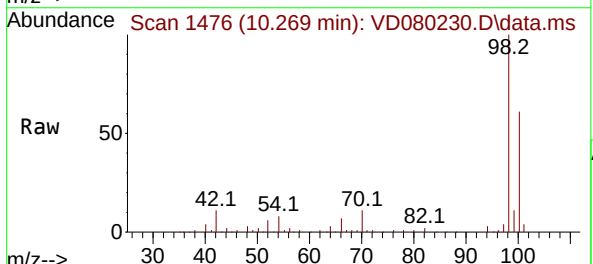
Acq: 03 Feb 2025 17:57

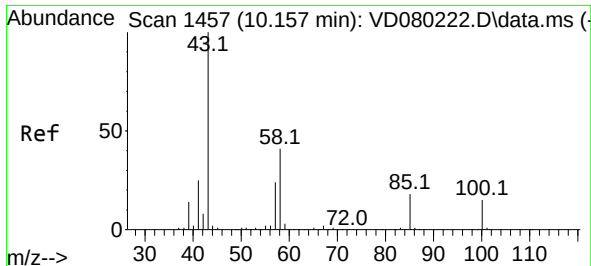
Tgt Ion: 98 Resp: 128533

Ion Ratio Lower Upper

98 100

100 61.7 50.2 75.4

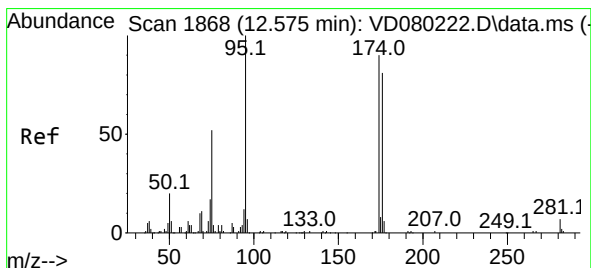
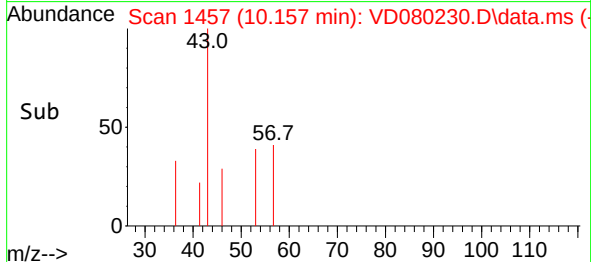
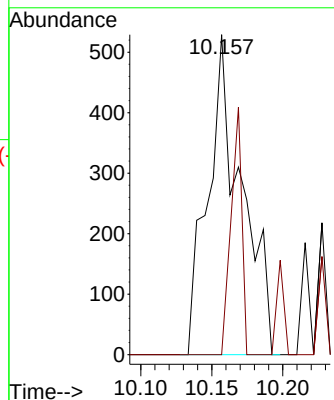
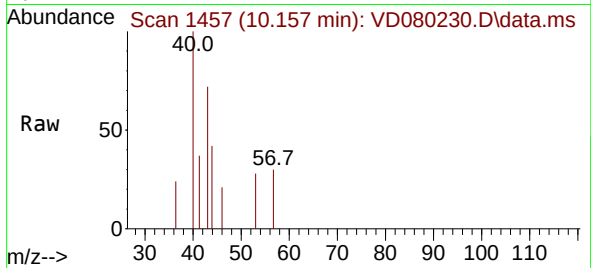




#51
4-Methyl-2-Pentanone
Concen: 1.526 ug/l
RT: 10.157 min Scan# 1457
Delta R.T. -0.000 min
Lab File: VD080230.D
Acq: 03 Feb 2025 17:57

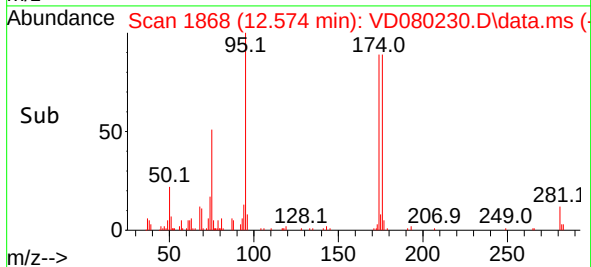
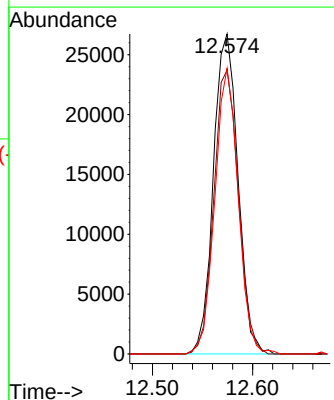
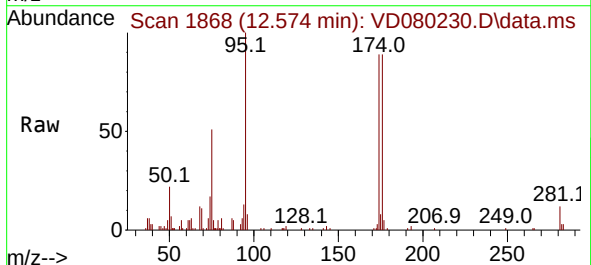
Instrument :
MSVOA_D
ClientSampleId :

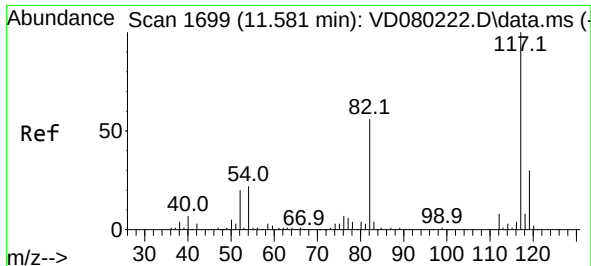
Tgt Ion: 43 Resp: 870
Ion Ratio Lower Upper
43 100
58 24.7 31.1 46.7#



#62
4-Bromofluorobenzene
Concen: 42.312 ug/l
RT: 12.574 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD080230.D
Acq: 03 Feb 2025 17:57

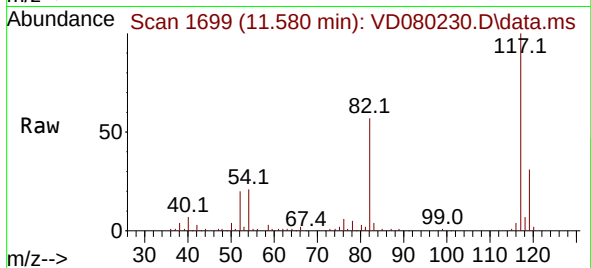
Tgt Ion: 95 Resp: 45527
Ion Ratio Lower Upper
95 100
174 88.8 0.0 171.8
176 84.8 0.0 159.6



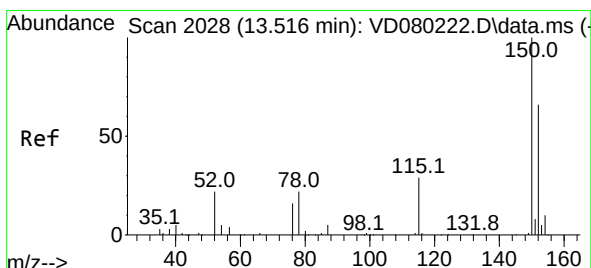
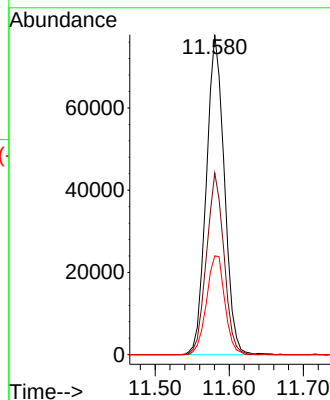
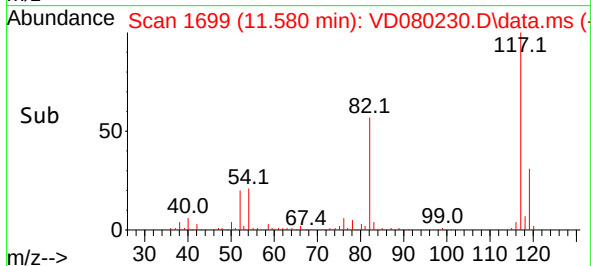


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.580 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080230.D
Acq: 03 Feb 2025 17:57

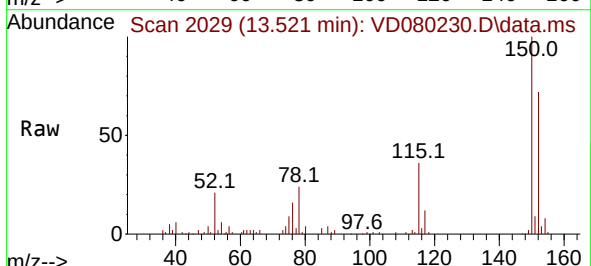
Instrument :
MSVOA_D
ClientSampleId :



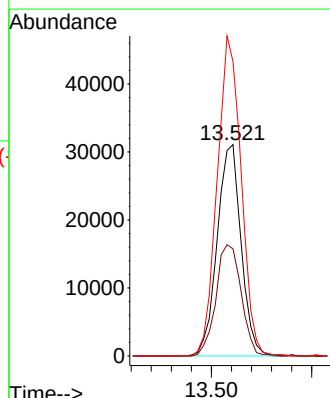
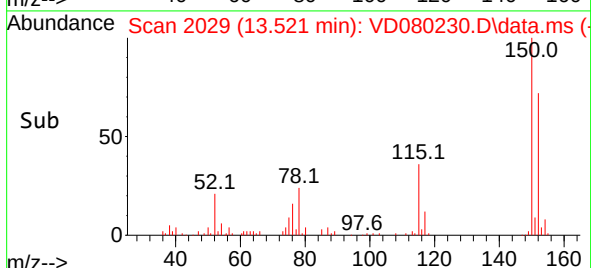
Tgt Ion:117 Resp: 131288
Ion Ratio Lower Upper
117 100
82 56.8 45.0 67.6
119 30.9 24.3 36.5

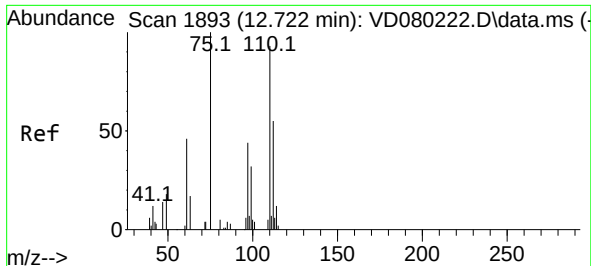


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.521 min Scan# 2029
Delta R.T. 0.005 min
Lab File: VD080230.D
Acq: 03 Feb 2025 17:57



Tgt Ion:152 Resp: 51348
Ion Ratio Lower Upper
152 100
115 55.6 30.0 90.1
150 151.5 0.0 350.4

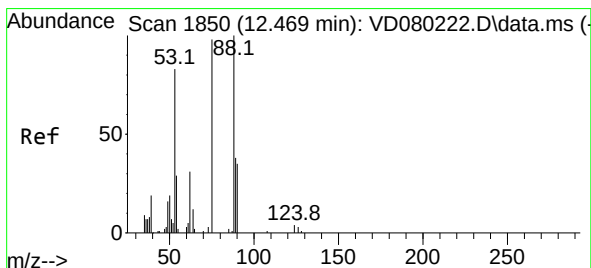
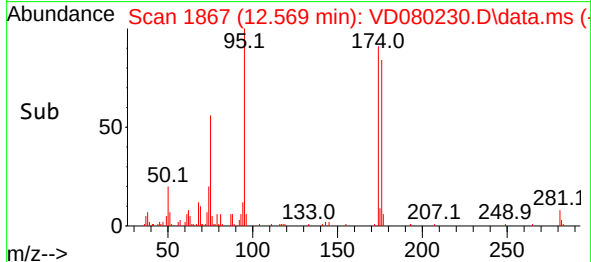
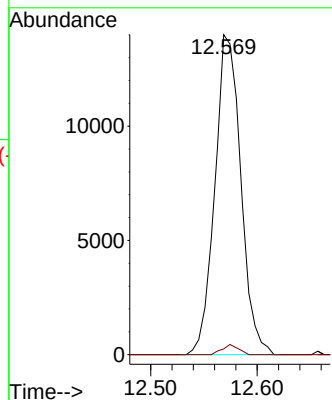
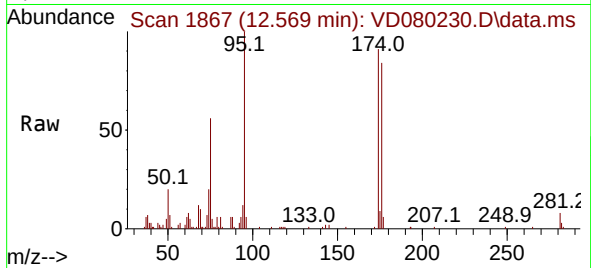




#76
1,2,3-Trichloropropane
Concen: 45.769 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD080230.D
Acq: 03 Feb 2025 17:57

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 23710
Ion Ratio Lower Upper
75 100
77 2.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.346 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD080230.D
Acq: 03 Feb 2025 17:57

Tgt Ion: 75 Resp: 23710
Ion Ratio Lower Upper
75 100
53 0.3 69.1 103.7#
89 0.5 36.5 54.7#

