

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020625\
 Data File : VD080247.D
 Acq On : 06 Feb 2025 12:10
 Operator : RP/MD
 Sample : VD0206SBL01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 07 00:27:00 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)

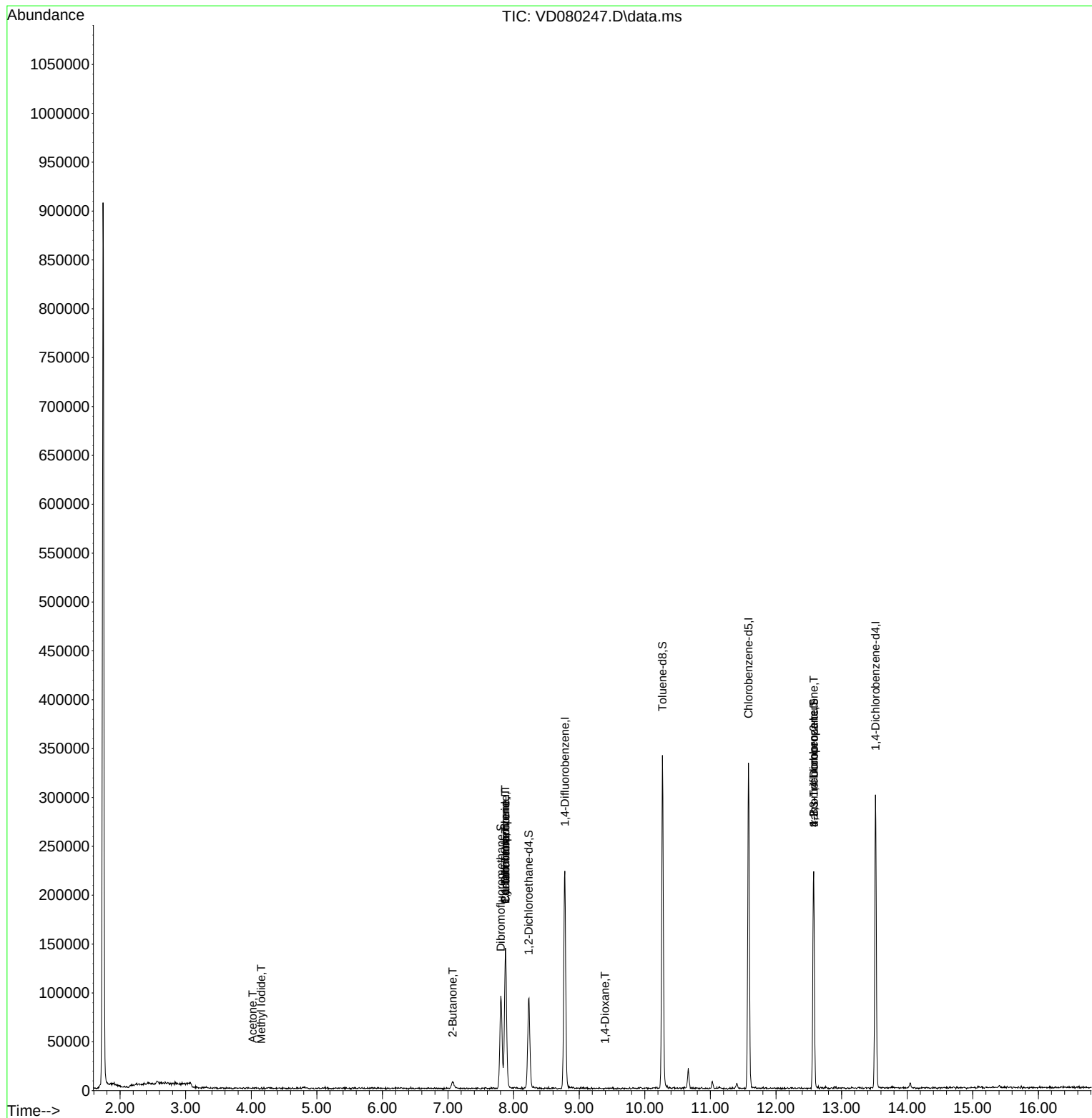
Internal Standards						
1) Pentafluorobenzene	7.875	168	107299	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	188998	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	180390	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	78085	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	72475	51.926	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.860%	
35) Dibromofluoromethane	7.805	113	68348	51.025	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.060%	
50) Toluene-d8	10.269	98	227269	45.752	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 91.500%	
62) 4-Bromofluorobenzene	12.575	95	65564	41.136	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 82.280%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	55	Below Cal	#	43
5) Bromomethane	2.693	94	549	Below Cal	#	17
10) Methyl Iodide	4.152	142	54	4.214	ug/l #	40
16) Acetone	4.022	43	621	2.761	ug/l #	38
25) 2-Butanone	7.069	43	423	1.212	ug/l #	68
31) Cyclohexane	7.875	56	3122	1.510	ug/l #	20
36) 1,1-Dichloropropene	7.875	75	9198	4.794	ug/l #	50
38) Carbon Tetrachloride	7.875	117	10583	5.281	ug/l #	17
49) 1,4-Dioxane	9.393	88	55	5.999	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	33232	42.075	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	33232	86.036	ug/l #	15
95) Naphthalene	15.334	128	891	Below Cal	#	60

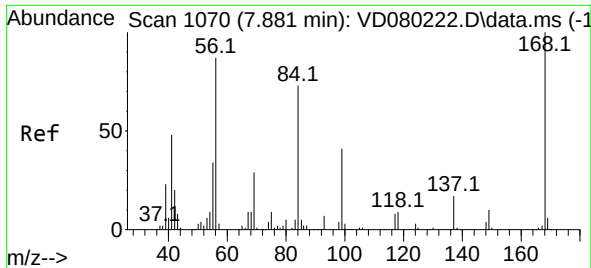
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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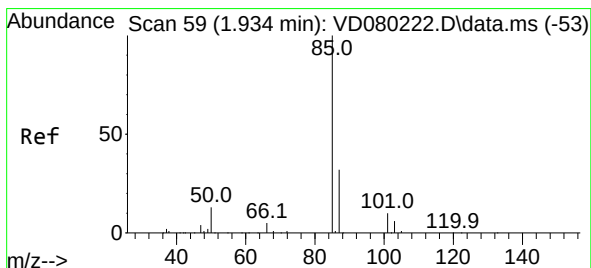
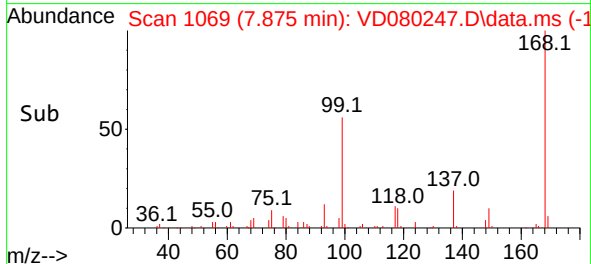
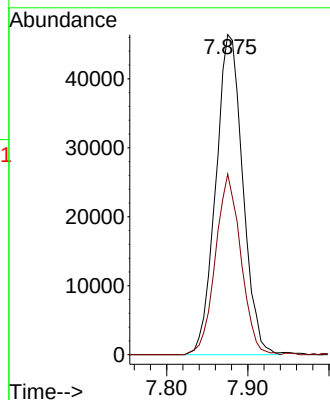
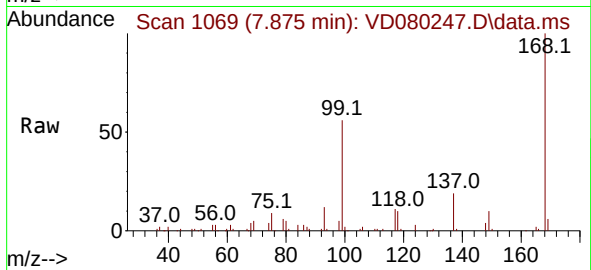




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD080247.D
Acq: 06 Feb 2025 12:10

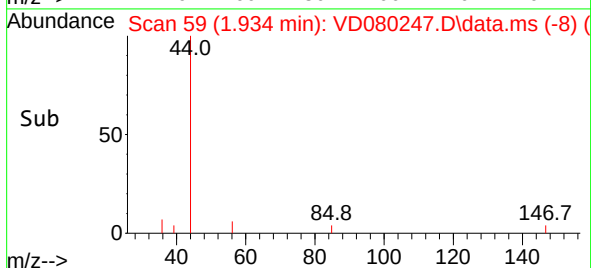
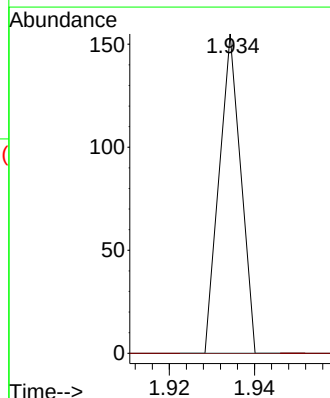
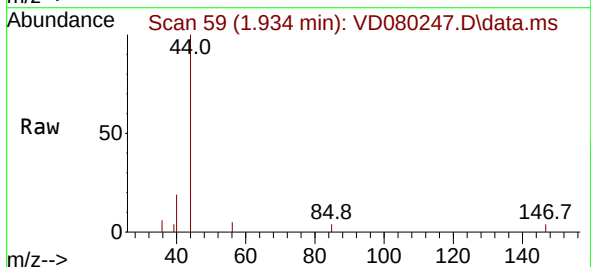
Instrument :
MSVOA_D
ClientSampleId :

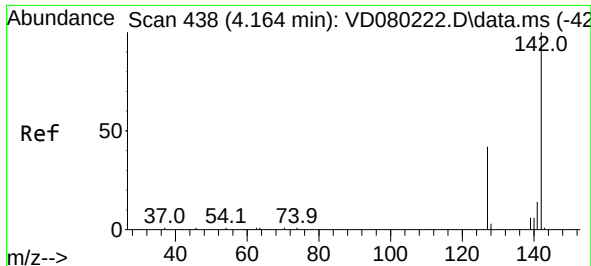
Tgt Ion:168 Resp: 107299
Ion Ratio Lower Upper
168 100
99 56.4 44.4 66.6



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.934 min Scan# 59
Delta R.T. 0.000 min
Lab File: VD080247.D
Acq: 06 Feb 2025 12:10

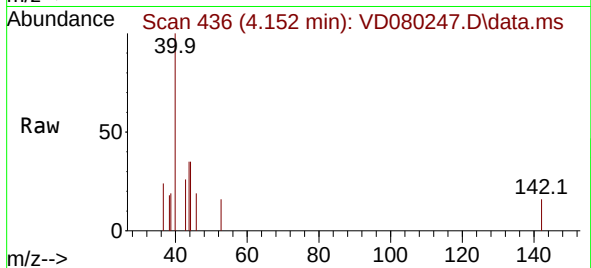
Tgt Ion: 85 Resp: 55
Ion Ratio Lower Upper
85 100
87 0.0 16.0 47.9#



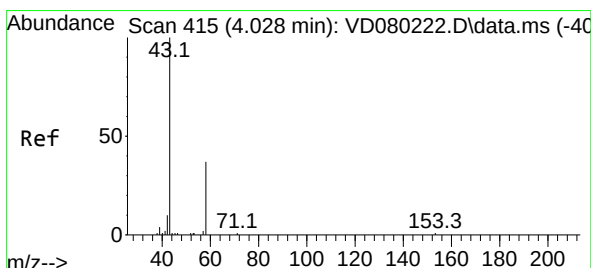
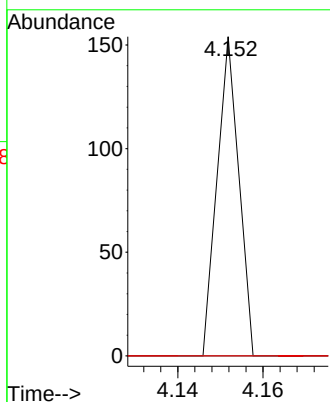
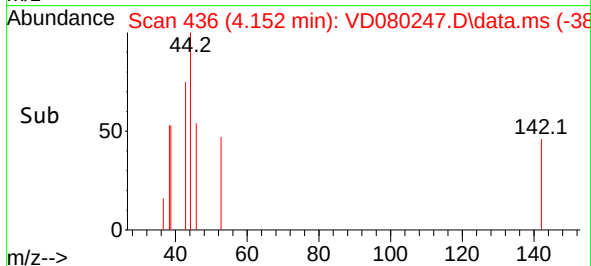


#10
Methyl Iodide
Concen: 4.214 ug/l
RT: 4.152 min Scan# 41
Delta R.T. -0.012 min
Lab File: VD080247.D
Acq: 06 Feb 2025 12:10

Instrument :
MSVOA_D
ClientSampleId :

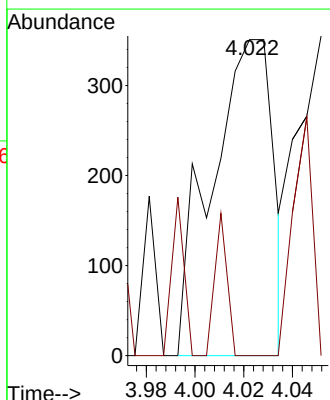
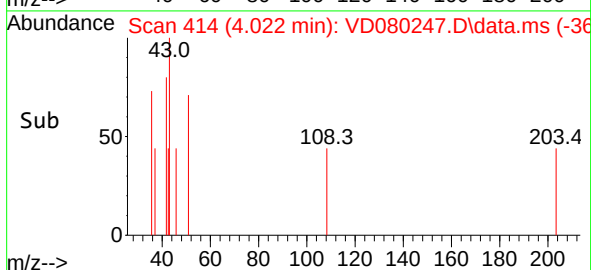
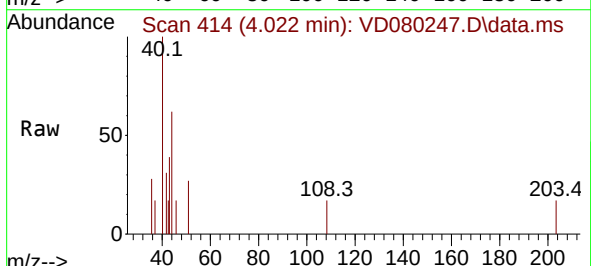


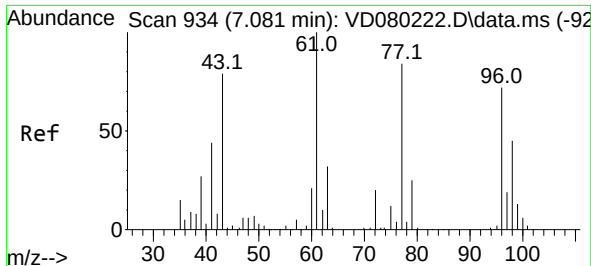
Tgt Ion:142 Resp: 54
Ion Ratio Lower Upper
142 100
127 0.0 35.4 53.2#
141 0.0 12.6 18.8#



#16
Acetone
Concen: 2.761 ug/l
RT: 4.022 min Scan# 414
Delta R.T. -0.006 min
Lab File: VD080247.D
Acq: 06 Feb 2025 12:10

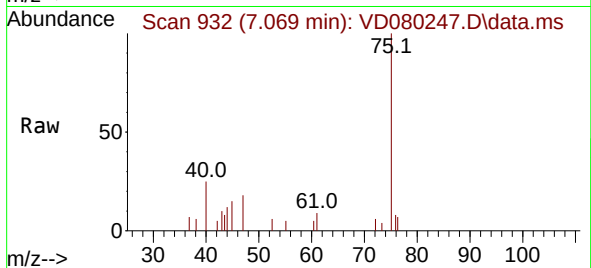
Tgt Ion: 43 Resp: 621
Ion Ratio Lower Upper
43 100
58 0.0 29.5 44.3#



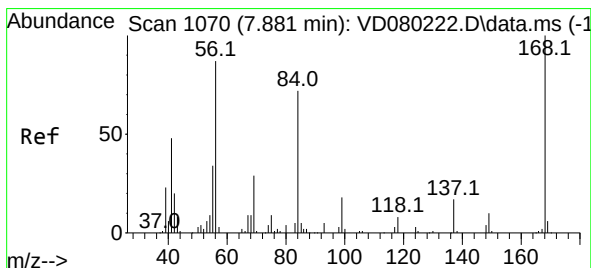
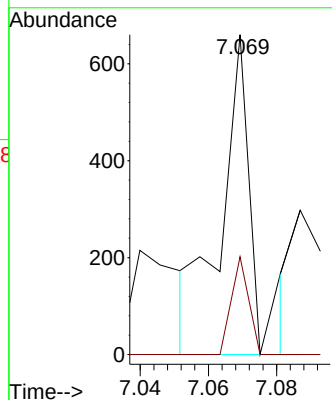
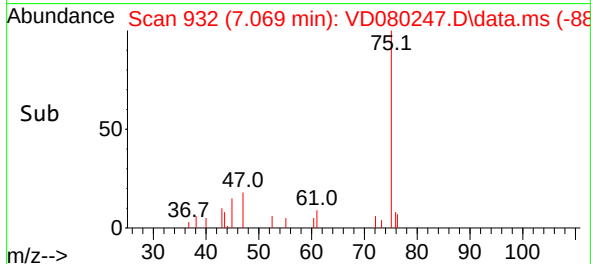


#25
2-Butanone
Concen: 1.212 ug/l
RT: 7.069 min Scan# 91
Delta R.T. -0.012 min
Lab File: VD080247.D
Acq: 06 Feb 2025 12:10

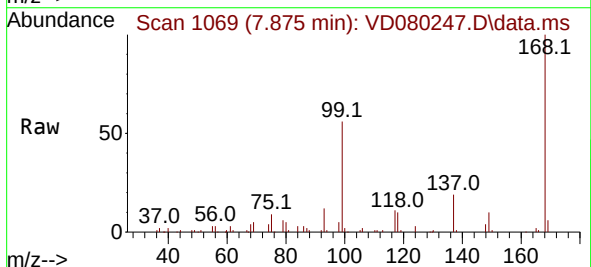
Instrument :
MSVOA_D
ClientSampleId :



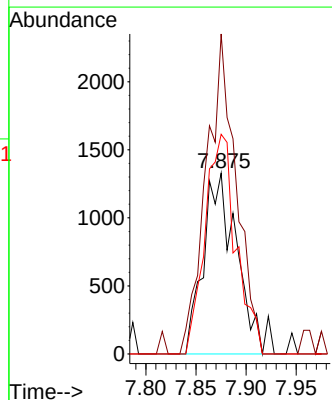
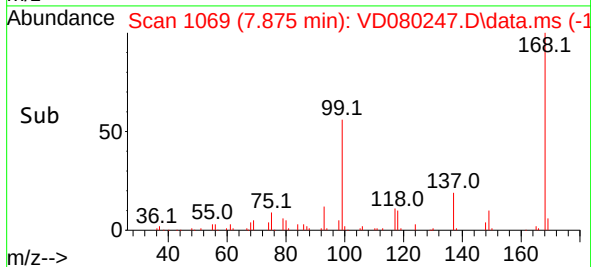
Tgt Ion: 43 Resp: 423
Ion Ratio Lower Upper
43 100
72 40.9 19.9 29.9#

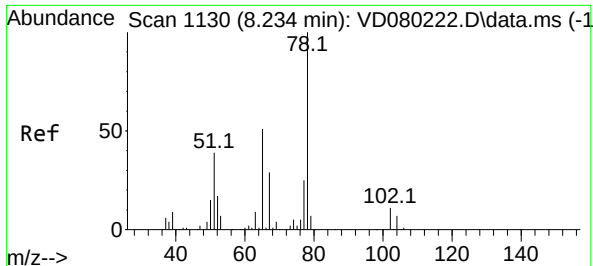


#31
Cyclohexane
Concen: 1.510 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD080247.D
Acq: 06 Feb 2025 12:10



Tgt Ion: 56 Resp: 3122
Ion Ratio Lower Upper
56 100
69 154.8 27.0 40.4#
84 106.3 66.3 99.5#





#33

1,2-Dichloroethane-d4

Concen: 51.926 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD080247.D

Acq: 06 Feb 2025 12:10

Instrument :

MSVOA_D

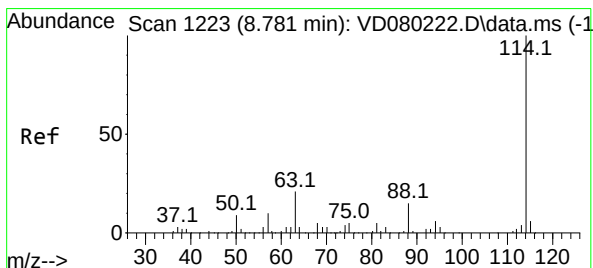
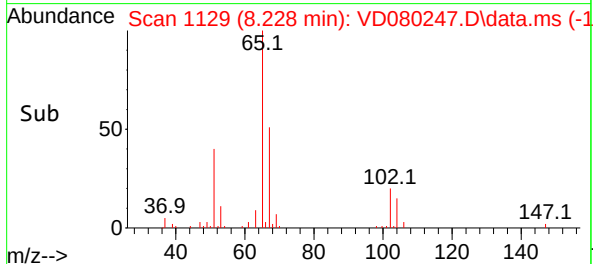
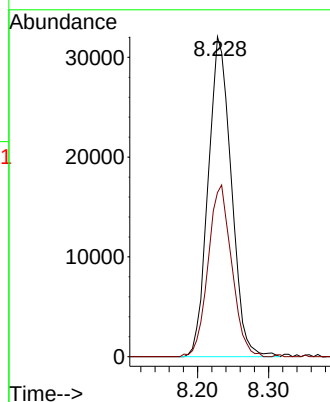
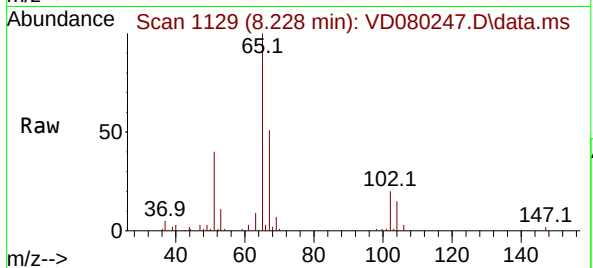
ClientSampleId :

Tgt Ion: 65 Resp: 72475

Ion Ratio Lower Upper

65 100

67 54.7 0.0 107.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. -0.000 min

Lab File: VD080247.D

Acq: 06 Feb 2025 12:10

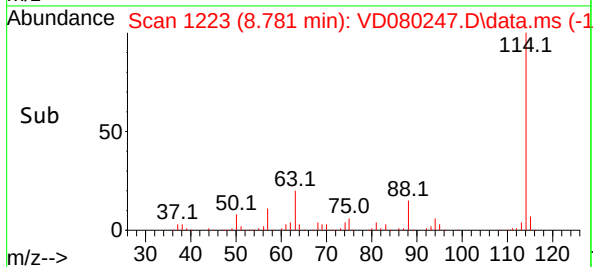
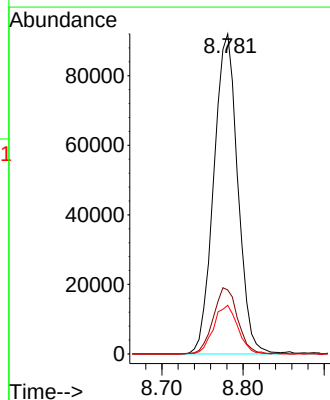
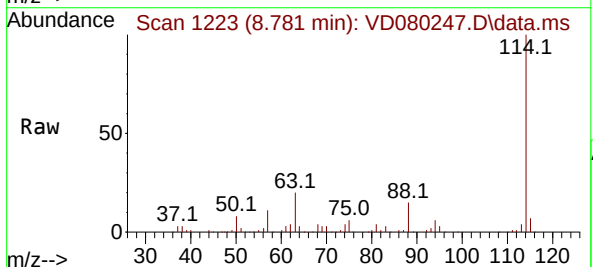
Tgt Ion: 114 Resp: 188998

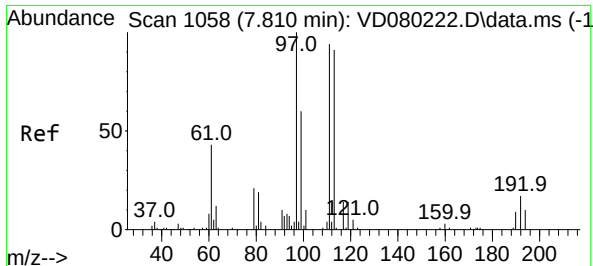
Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.8

88 15.2 0.0 30.4





#35

Dibromofluoromethane

Concen: 51.025 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.006 min

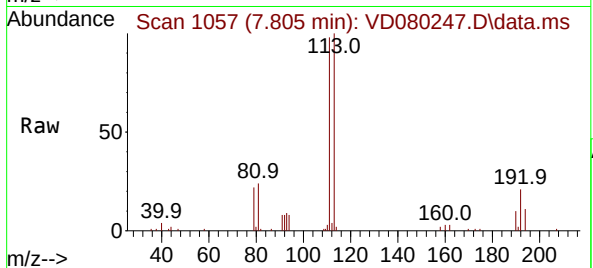
Lab File: VD080247.D

Acq: 06 Feb 2025 12:10

Instrument :

MSVOA_D

ClientSampleId :



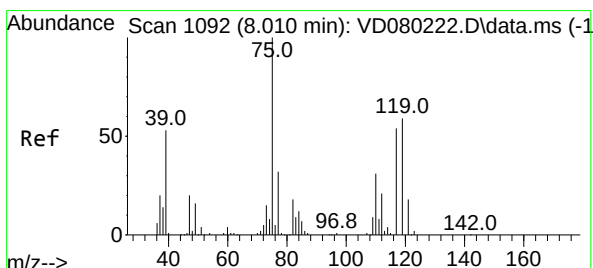
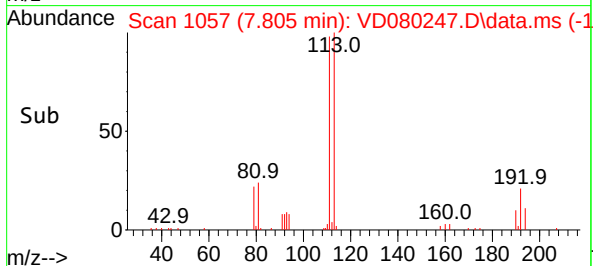
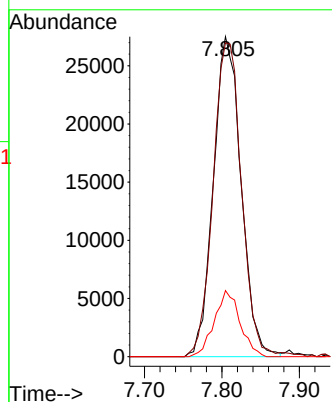
Tgt Ion:113 Resp: 68348

Ion Ratio Lower Upper

113 100

111 101.1 85.0 127.4

192 19.2 15.5 23.3



#36

1,1-Dichloropropene

Concen: 4.794 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD080247.D

Acq: 06 Feb 2025 12:10

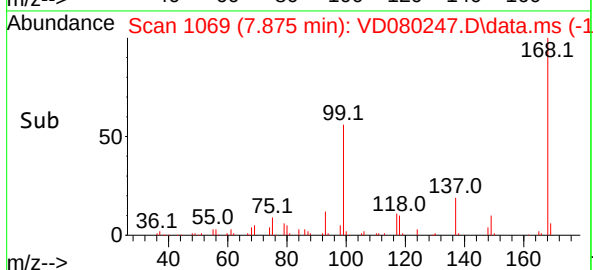
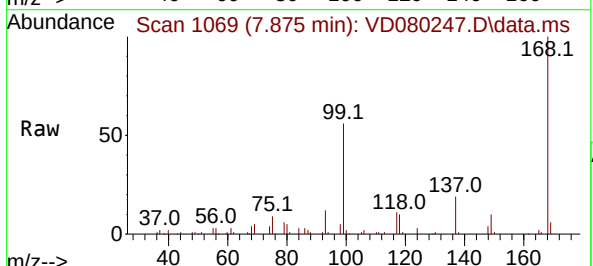
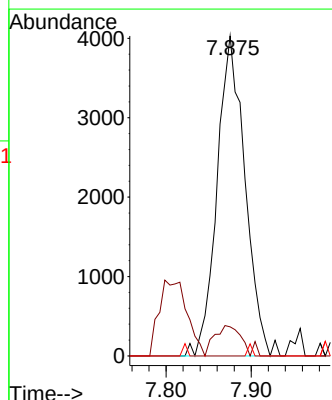
Tgt Ion: 75 Resp: 9198

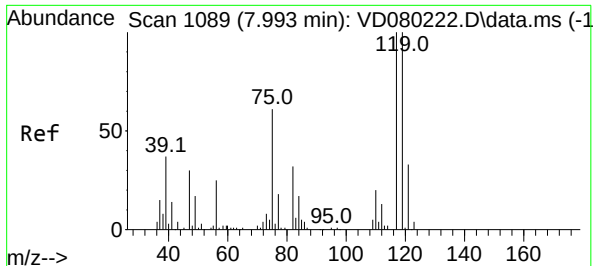
Ion Ratio Lower Upper

75 100

110 9.4 17.1 51.2#

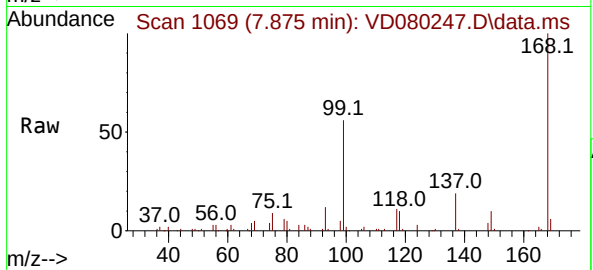
77 0.0 25.6 38.4#



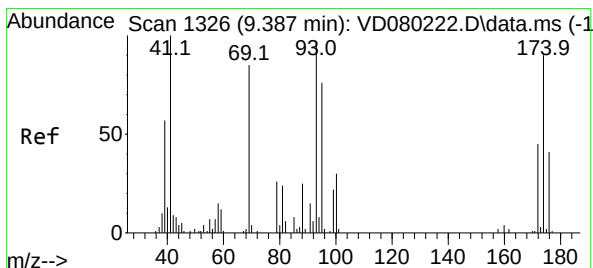
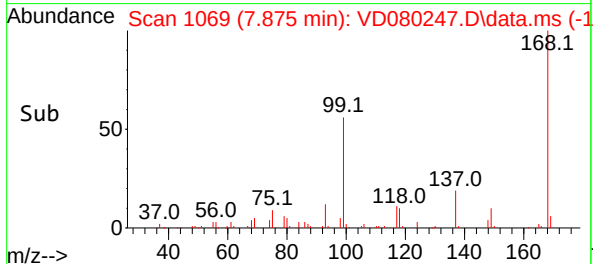
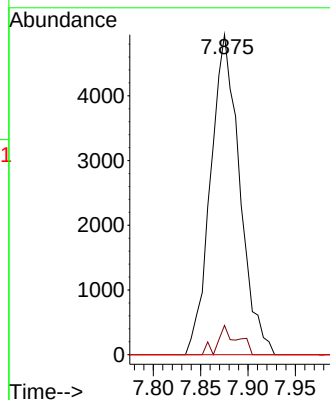


#38
Carbon Tetrachloride
Concen: 5.281 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.118 min
Lab File: VD080247.D
Acq: 06 Feb 2025 12:10

Instrument :
MSVOA_D
ClientSampleId :

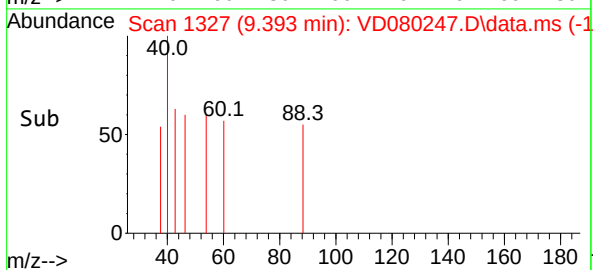
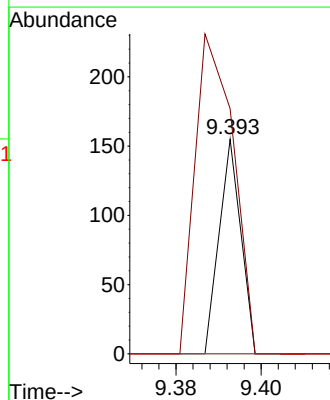
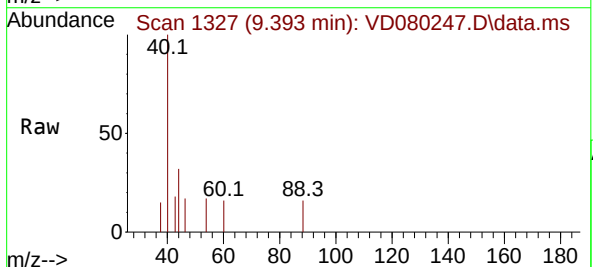


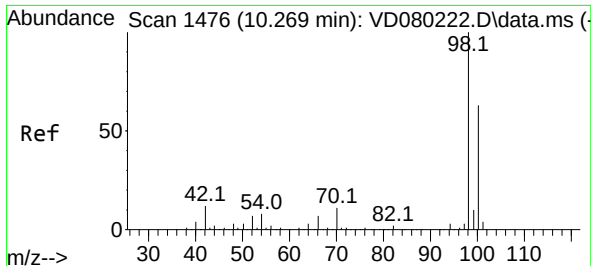
Tgt Ion:117 Resp: 10583
Ion Ratio Lower Upper
117 100
119 9.2 79.8 119.6#
121 0.0 26.6 39.8#



#49
1,4-Dioxane
Concen: 5.999 ug/l
RT: 9.393 min Scan# 1327
Delta R.T. 0.006 min
Lab File: VD080247.D
Acq: 06 Feb 2025 12:10

Tgt Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
43 261.8 28.5 42.7#
58 0.0 56.3 84.5#

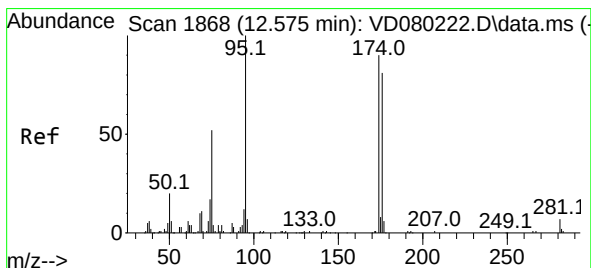
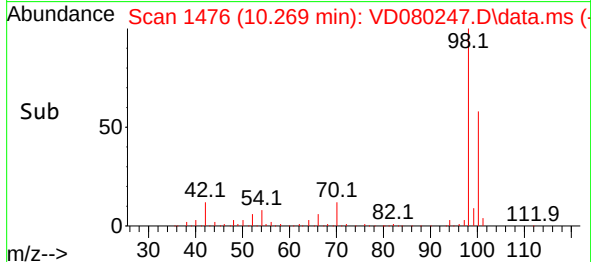
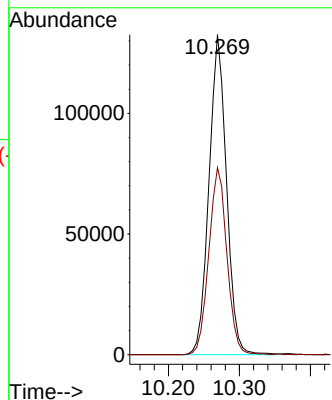
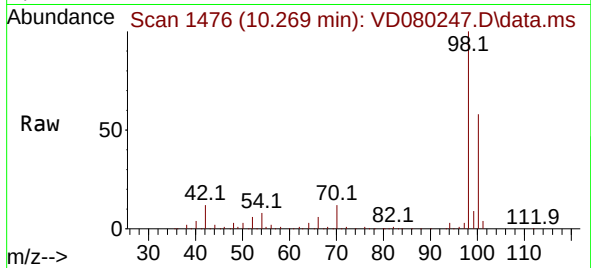




#50
Toluene-d8
Concen: 45.752 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD080247.D
Acq: 06 Feb 2025 12:10

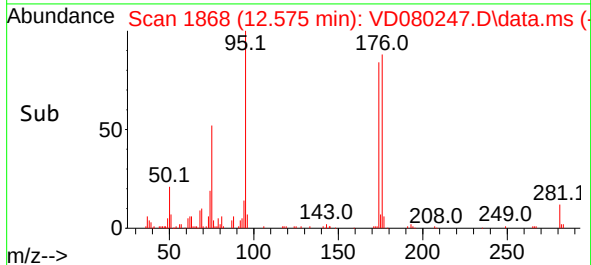
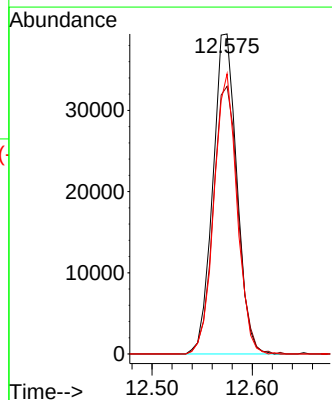
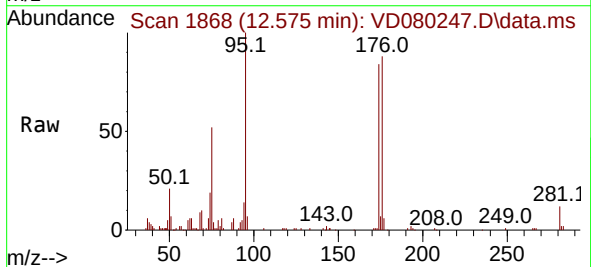
Instrument :
MSVOA_D
ClientSampleId :

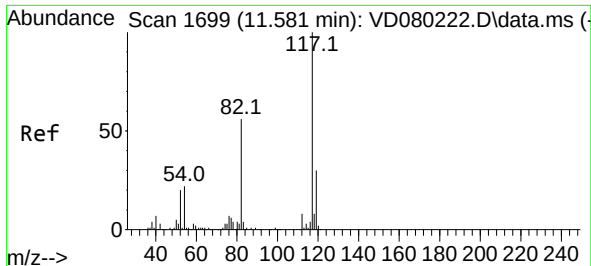
Tgt Ion: 98 Resp: 227269
Ion Ratio Lower Upper
98 100
100 60.3 50.2 75.4



#62
4-Bromofluorobenzene
Concen: 41.136 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD080247.D
Acq: 06 Feb 2025 12:10

Tgt Ion: 95 Resp: 65564
Ion Ratio Lower Upper
95 100
174 86.3 0.0 171.8
176 83.7 0.0 159.6

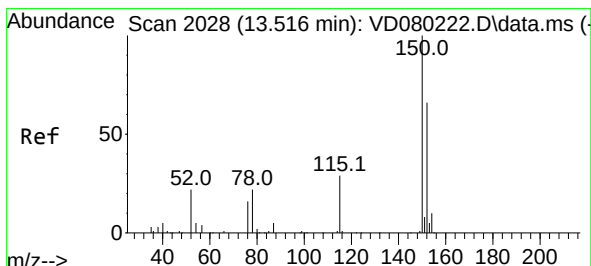
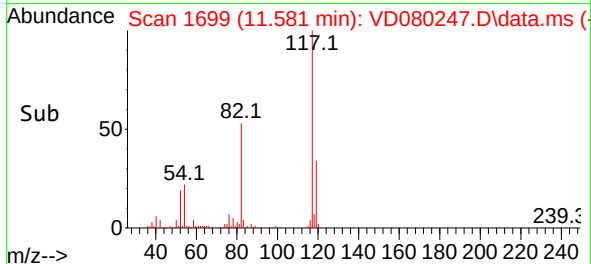
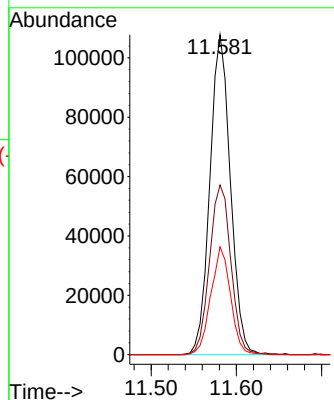
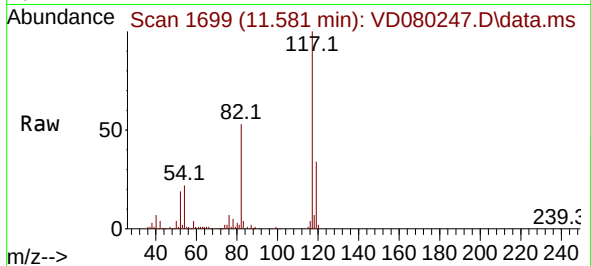




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080247.D
Acq: 06 Feb 2025 12:10

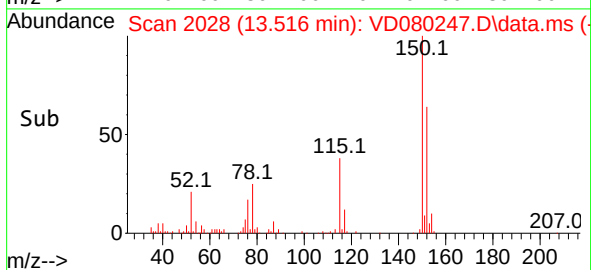
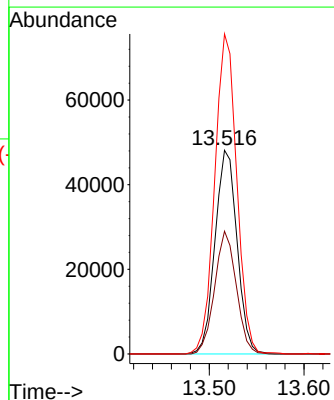
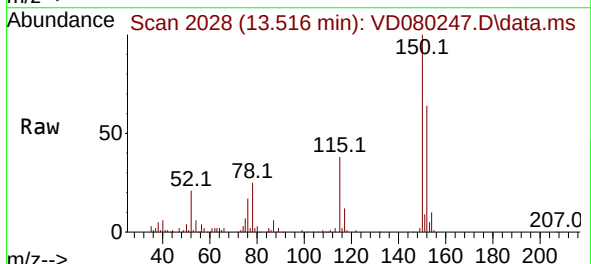
Instrument :
MSVOA_D
ClientSampleId :

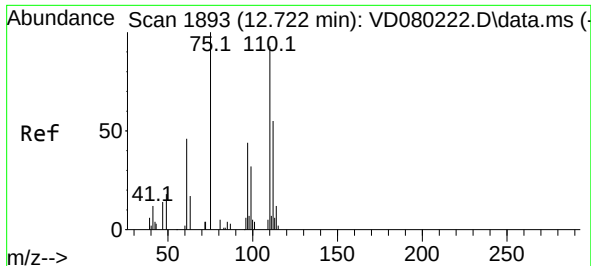
Tgt Ion:117 Resp: 180390
Ion Ratio Lower Upper
117 100
82 53.0 45.0 67.6
119 33.7 24.3 36.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD080247.D
Acq: 06 Feb 2025 12:10

Tgt Ion:152 Resp: 78085
Ion Ratio Lower Upper
152 100
115 59.0 30.0 90.1
150 156.5 0.0 350.4

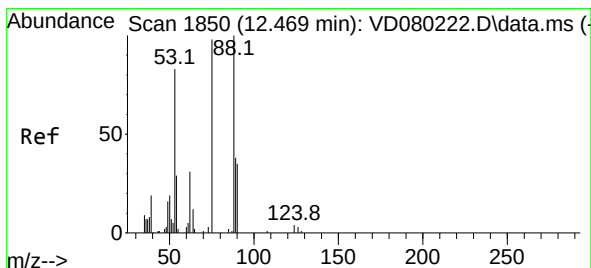
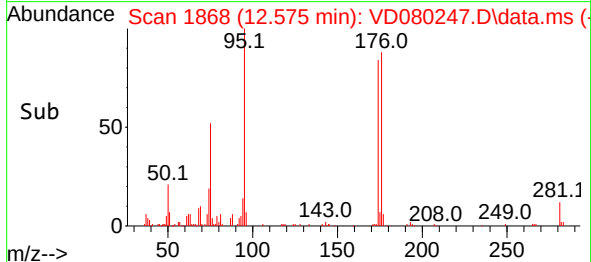
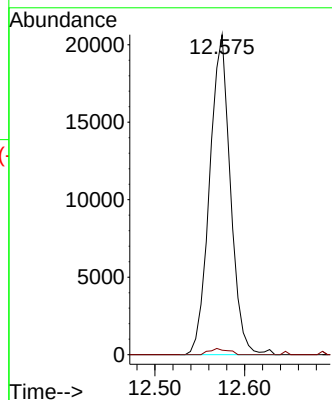
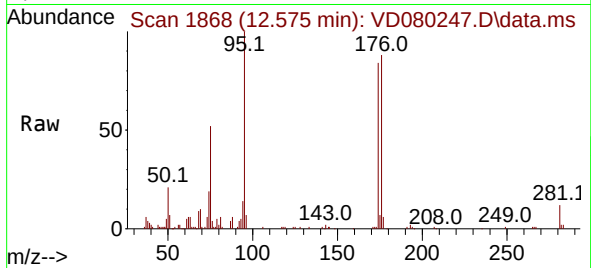




#76
1,2,3-Trichloropropane
Concen: 42.075 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD080247.D
Acq: 06 Feb 2025 12:10

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 33232
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.036 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD080247.D
Acq: 06 Feb 2025 12:10

Tgt Ion: 75 Resp: 33232
Ion Ratio Lower Upper
75 100
53 0.4 69.1 103.7#
89 0.2 36.5 54.7#

