

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020725\
 Data File : VD080256.D
 Acq On : 07 Feb 2025 11:39
 Operator : RP/MD
 Sample : VD0207SBL01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 07 23:28:43 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)

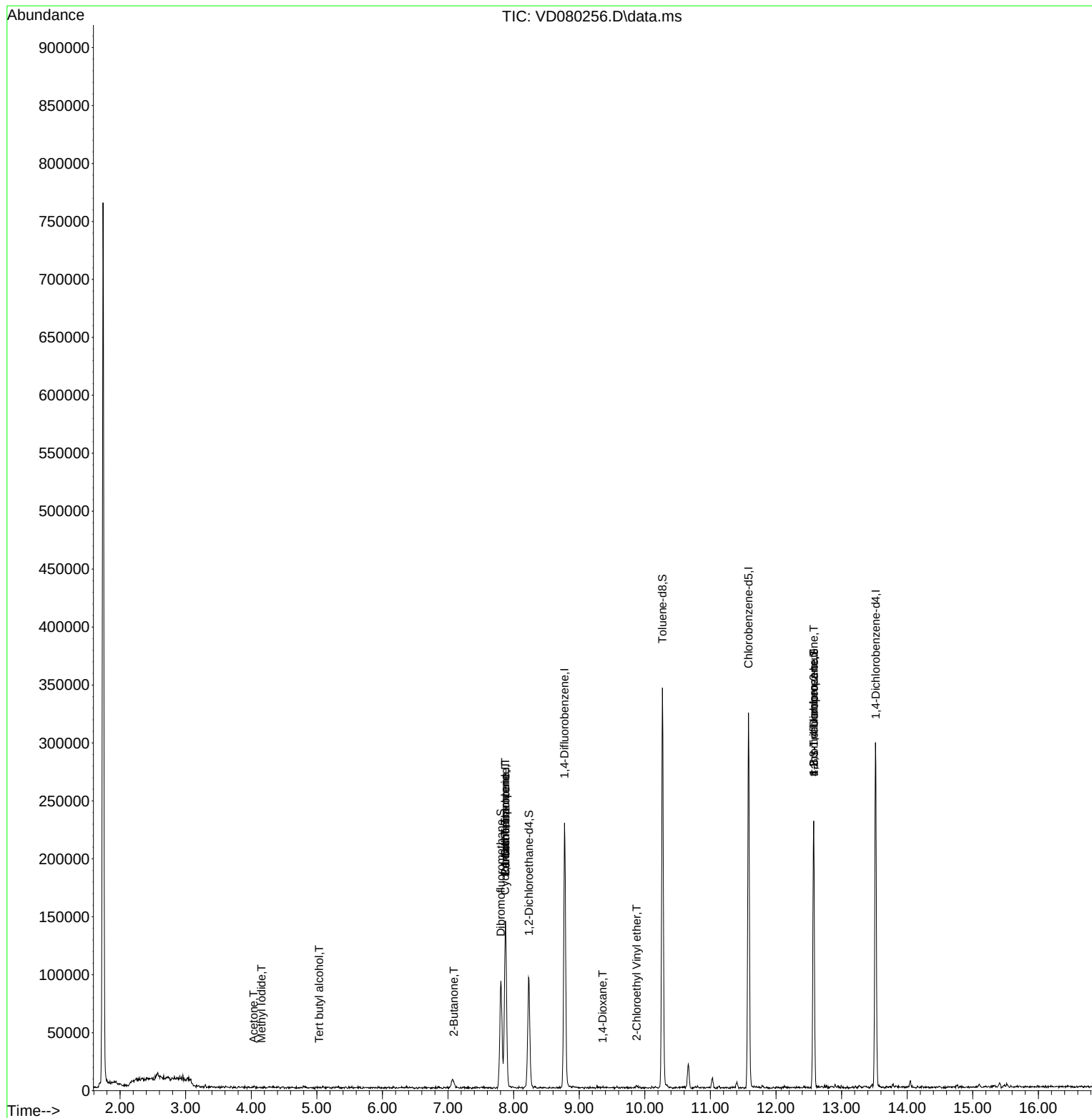
Internal Standards						
1) Pentafluorobenzene	7.875	168	108285	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	188012	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	177985	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	77378	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	73171	51.947	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.900%	
35) Dibromofluoromethane	7.805	113	67519	50.671	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.340%	
50) Toluene-d8	10.269	98	228549	46.251	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 92.500%	
62) 4-Bromofluorobenzene	12.575	95	65507	41.316	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 82.640%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.940	85	332	Below Cal	#	43
5) Bromomethane	2.705	94	1674	Below Cal		95
10) Methyl Iodide	4.158	142	72	4.230	ug/l #	40
11) Tert butyl alcohol	5.034	59	129	1.658	ug/l #	3
16) Acetone	4.034	43	1084	4.775	ug/l #	38
25) 2-Butanone	7.087	43	886	2.516	ug/l #	50
31) Cyclohexane	7.869	56	3171	1.519	ug/l #	43
36) 1,1-Dichloropropene	7.875	75	9536	4.996	ug/l #	48
38) Carbon Tetrachloride	7.875	117	10684	5.359	ug/l #	16
49) 1,4-Dioxane	9.357	88	74	8.114	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.875	63	744	1.403	ug/l #	64
76) 1,2,3-Trichloropropane	12.575	75	35607	45.494	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	35607	93.027	ug/l #	15
95) Naphthalene	15.322	128	1878	Below Cal	#	77

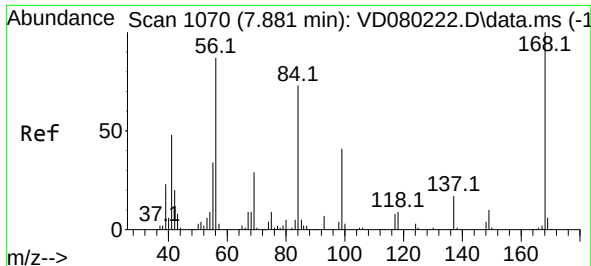
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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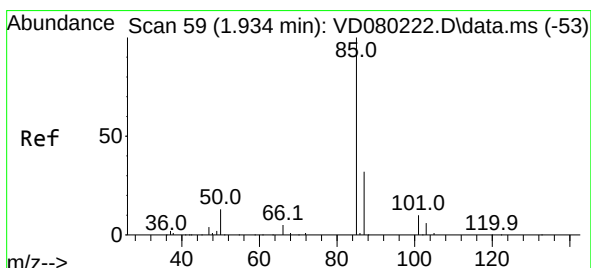
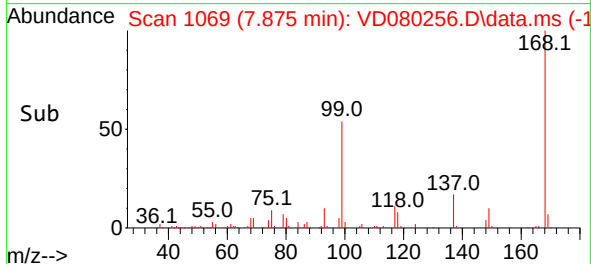
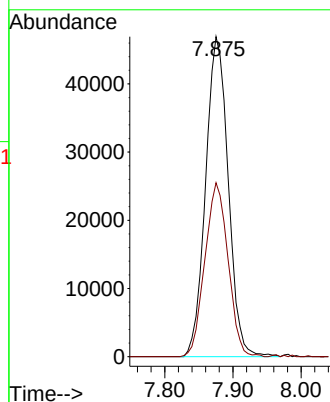
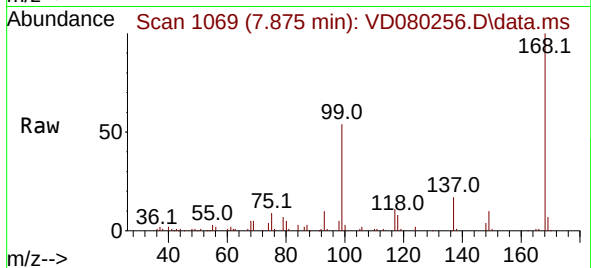




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD080256.D
Acq: 07 Feb 2025 11:39

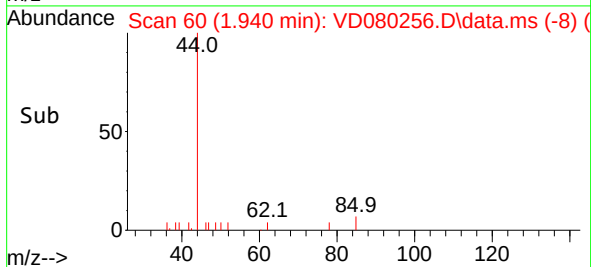
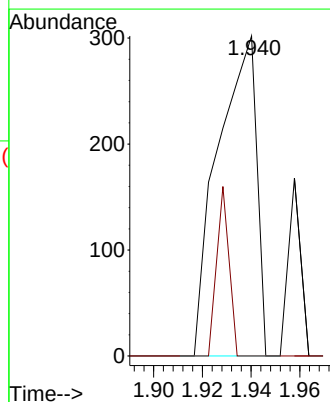
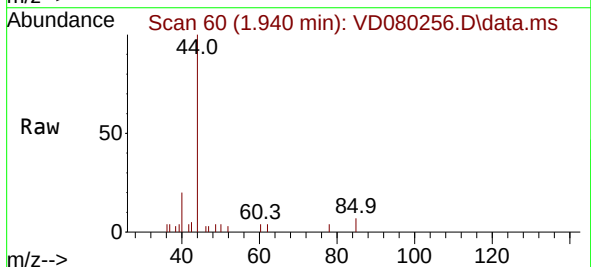
Instrument :
MSVOA_D
ClientSampleId :

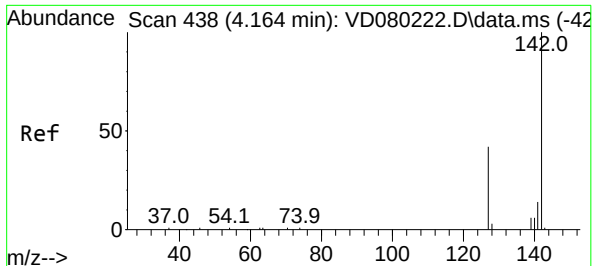
Tgt Ion:168 Resp: 108285
Ion Ratio Lower Upper
168 100
99 54.4 44.4 66.6



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.940 min Scan# 60
Delta R.T. 0.006 min
Lab File: VD080256.D
Acq: 07 Feb 2025 11:39

Tgt Ion: 85 Resp: 332
Ion Ratio Lower Upper
85 100
87 0.0 16.0 47.9#

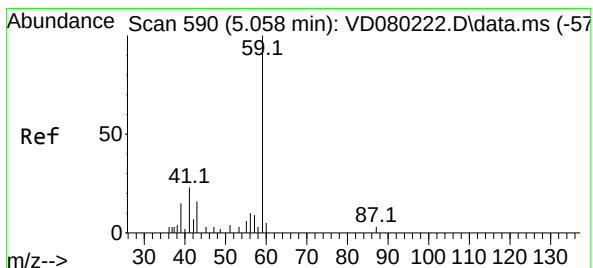
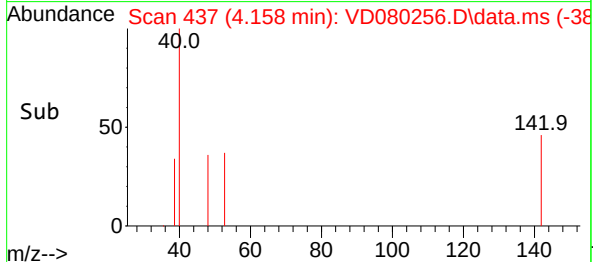
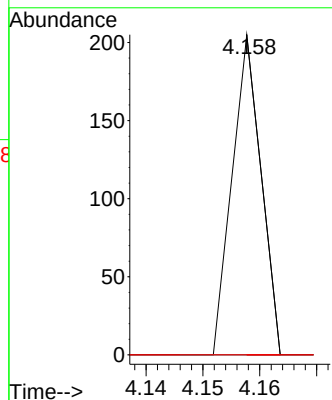
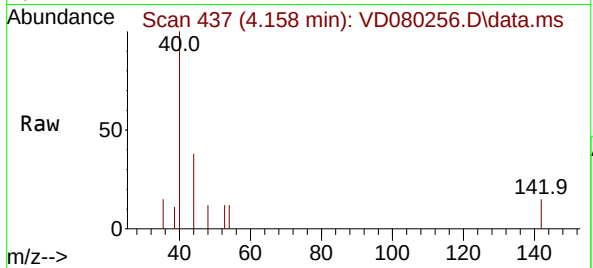




#10
Methyl Iodide
Concen: 4.230 ug/l
RT: 4.158 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD080256.D
Acq: 07 Feb 2025 11:39

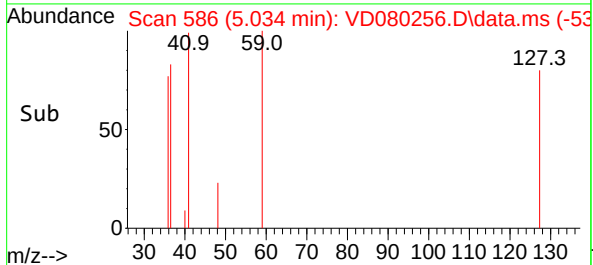
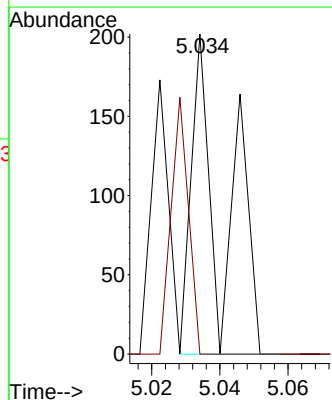
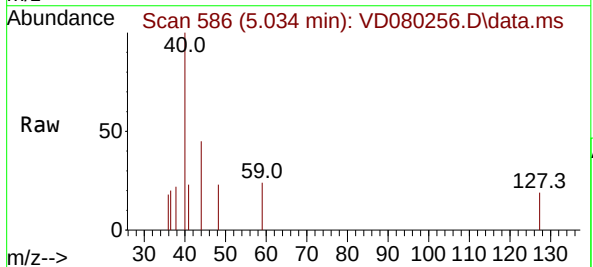
Instrument :
MSVOA_D
ClientSampleId :

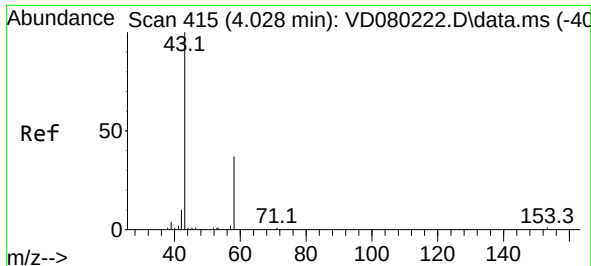
Tgt Ion:142 Resp: 72
Ion Ratio Lower Upper
142 100
127 0.0 35.4 53.2#
141 0.0 12.6 18.8#



#11
Tert butyl alcohol
Concen: 1.658 ug/l
RT: 5.034 min Scan# 586
Delta R.T. -0.024 min
Lab File: VD080256.D
Acq: 07 Feb 2025 11:39

Tgt Ion: 59 Resp: 129
Ion Ratio Lower Upper
59 100
57 44.2 7.2 10.8#

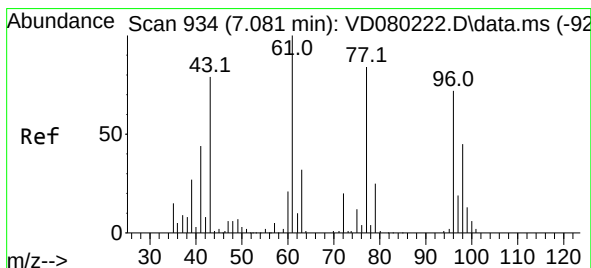
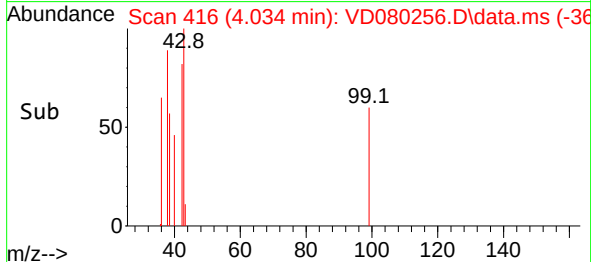
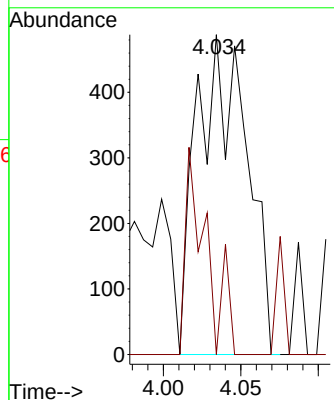
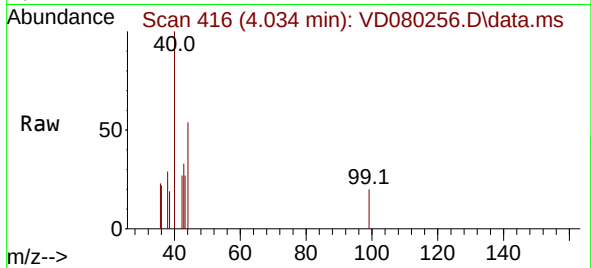




#16
Acetone
Concen: 4.775 ug/l
RT: 4.034 min Scan# 415
Delta R.T. 0.006 min
Lab File: VD080256.D
Acq: 07 Feb 2025 11:39

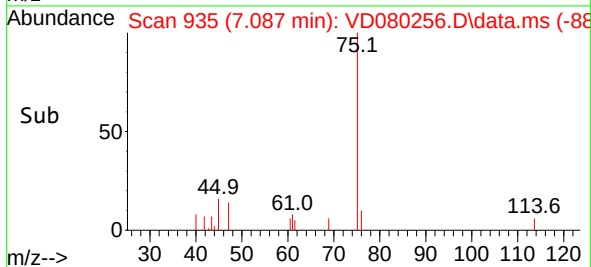
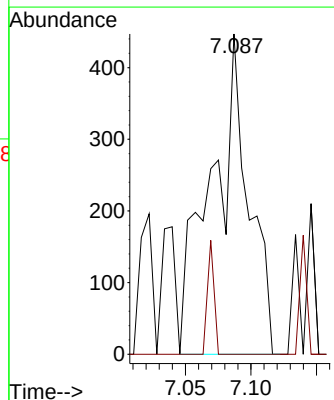
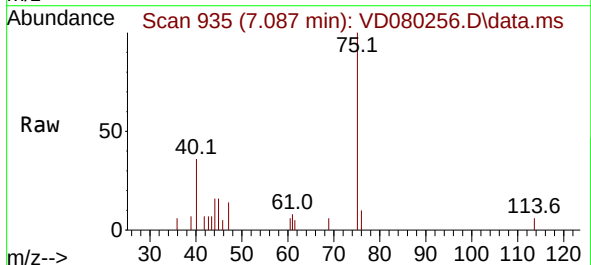
Instrument :
MSVOA_D
ClientSampleId :

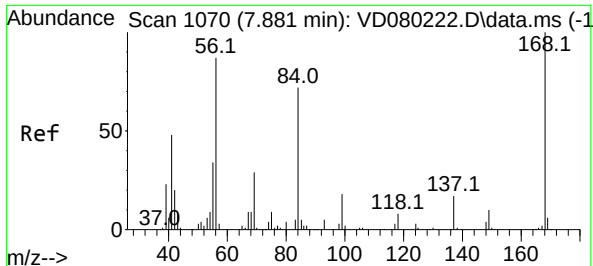
Tgt Ion: 43 Resp: 1084
Ion Ratio Lower Upper
43 100
58 0.0 29.5 44.3#



#25
2-Butanone
Concen: 2.516 ug/l
RT: 7.087 min Scan# 935
Delta R.T. 0.006 min
Lab File: VD080256.D
Acq: 07 Feb 2025 11:39

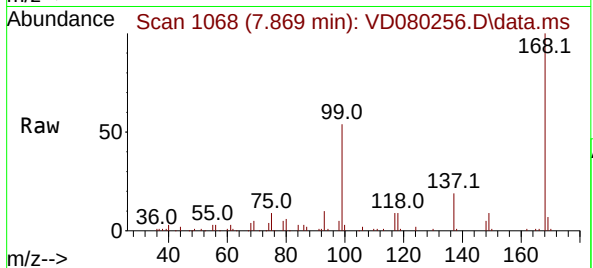
Tgt Ion: 43 Resp: 886
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#



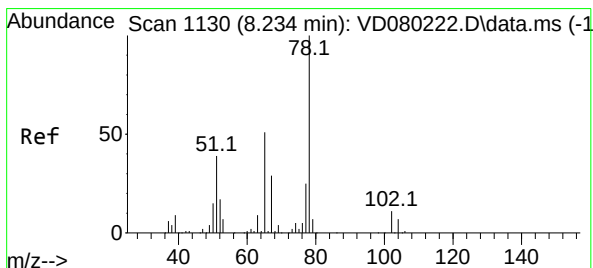
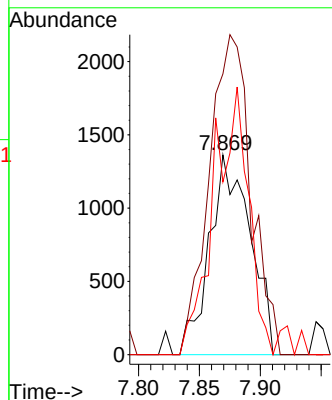
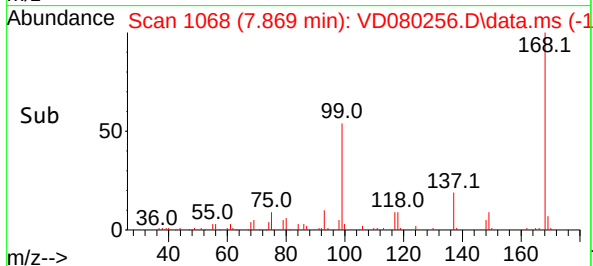


#31
Cyclohexane
Concen: 1.519 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.012 min
Lab File: VD080256.D
Acq: 07 Feb 2025 11:39

Instrument :
MSVOA_D
ClientSampleId :

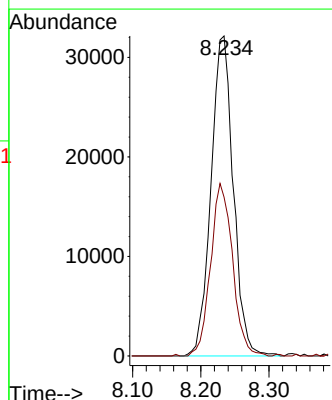
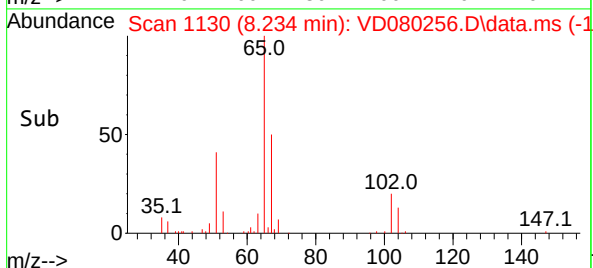
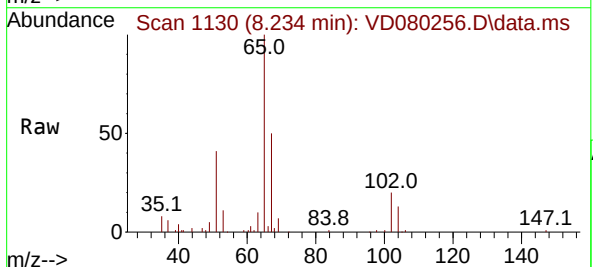


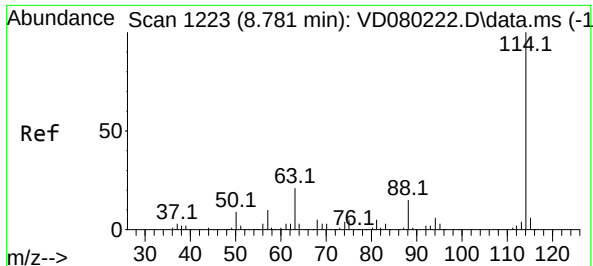
Tgt Ion: 56 Resp: 3171
Ion Ratio Lower Upper
56 100
69 140.6 27.0 40.4#
84 86.5 66.3 99.5



#33
1,2-Dichloroethane-d4
Concen: 51.947 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VD080256.D
Acq: 07 Feb 2025 11:39

Tgt Ion: 65 Resp: 73171
Ion Ratio Lower Upper
65 100
67 53.1 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: VD080256.D

Acq: 07 Feb 2025 11:39

Instrument :

MSVOA_D

ClientSampleId :

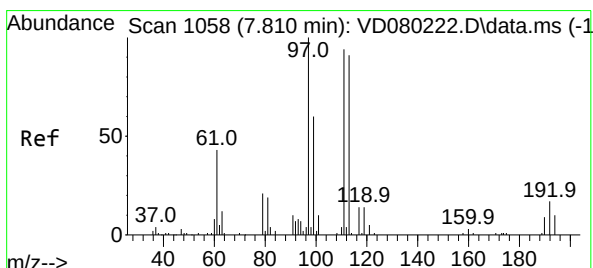
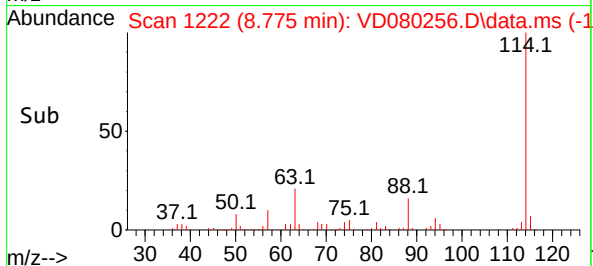
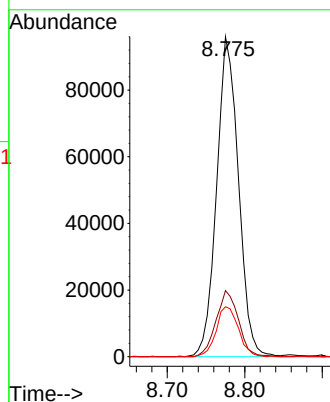
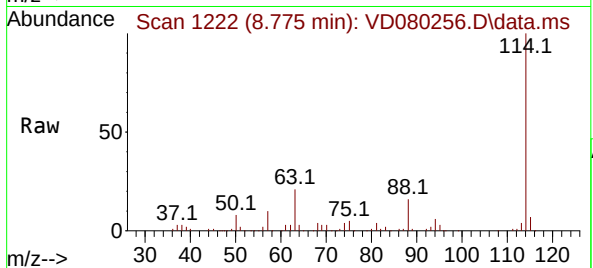
Tgt Ion:114 Resp: 188012

Ion Ratio Lower Upper

114 100

63 20.7 0.0 41.8

88 15.6 0.0 30.4



#35

Dibromofluoromethane

Concen: 50.671 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VD080256.D

Acq: 07 Feb 2025 11:39

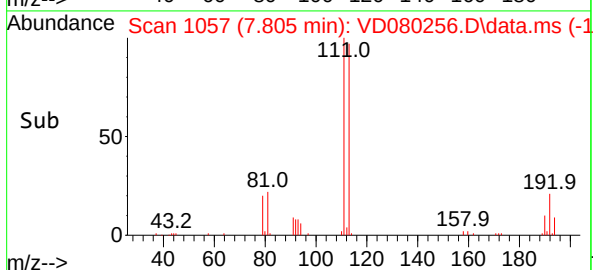
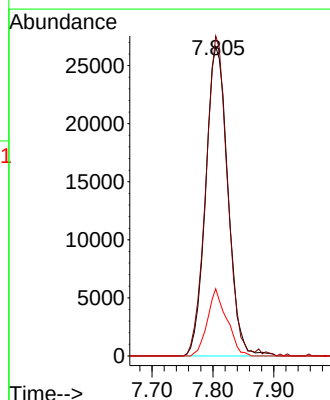
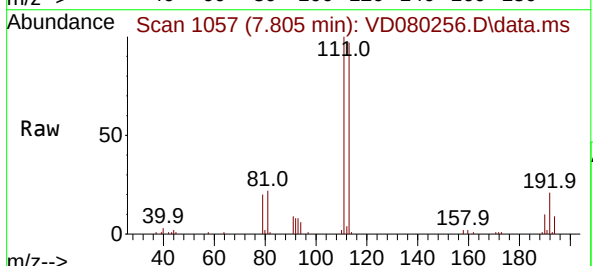
Tgt Ion:113 Resp: 67519

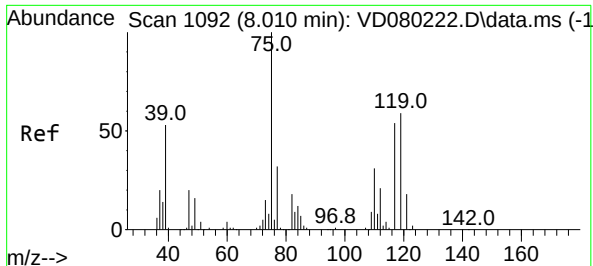
Ion Ratio Lower Upper

113 100

111 100.3 85.0 127.4

192 18.9 15.5 23.3





#36

1,1-Dichloropropene

Concen: 4.996 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD080256.D

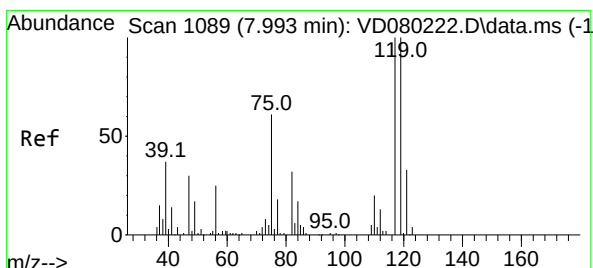
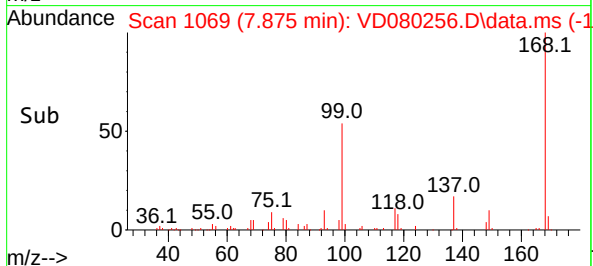
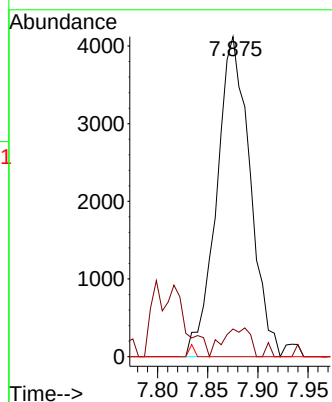
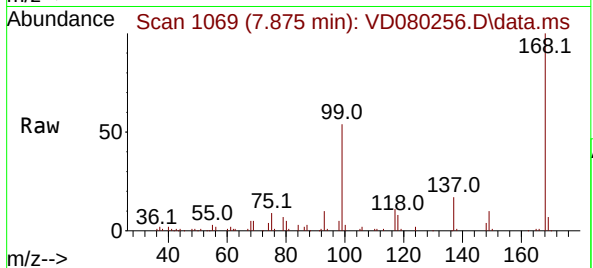
Acq: 07 Feb 2025 11:39

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	75	Resp:	9536
Ion	Ratio	Lower	Upper
75	100		
110	7.3	17.1	51.2#
77	0.0	25.6	38.4#



#38

Carbon Tetrachloride

Concen: 5.359 ug/l

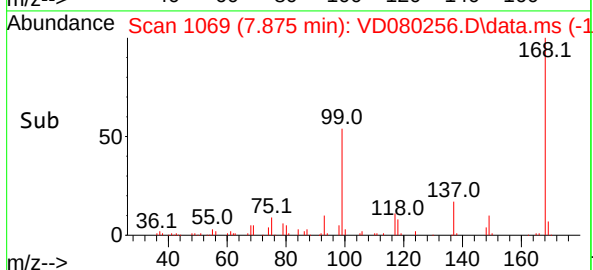
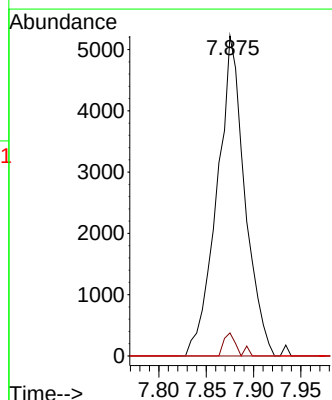
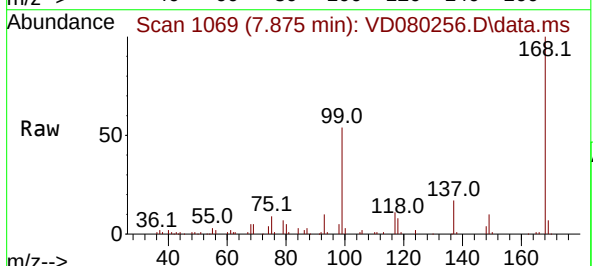
RT: 7.875 min Scan# 1069

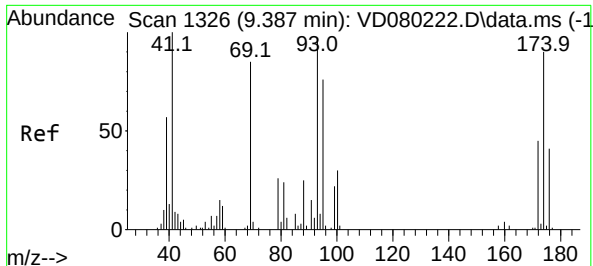
Delta R.T. -0.118 min

Lab File: VD080256.D

Acq: 07 Feb 2025 11:39

Tgt Ion:	117	Resp:	10684
Ion	Ratio	Lower	Upper
117	100		
119	7.2	79.8	119.6#
121	0.0	26.6	39.8#





#49

1,4-Dioxane

Concen: 8.114 ug/l

RT: 9.357 min Scan# 11

Delta R.T. -0.029 min

Lab File: VD080256.D

Acq: 07 Feb 2025 11:39

Instrument :

MSVOA_D

ClientSampleId :

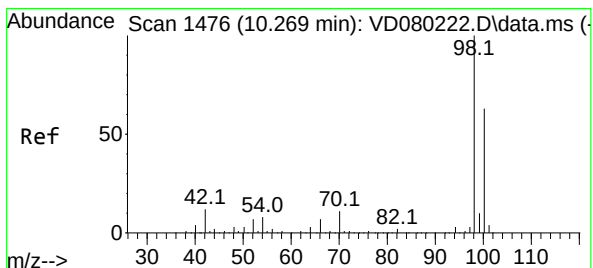
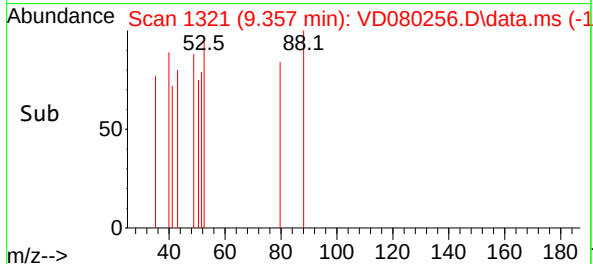
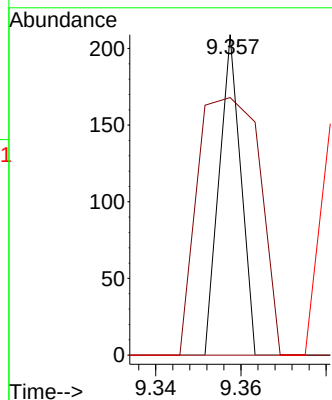
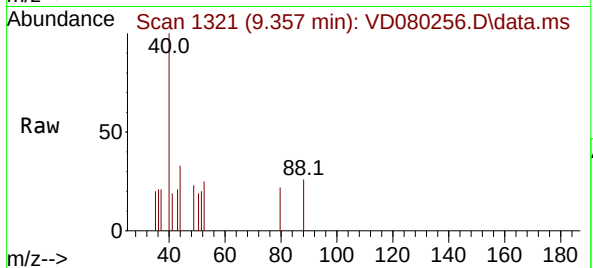
Tgt Ion: 88 Resp: 74

Ion Ratio Lower Upper

88 100

43 229.7 28.5 42.7#

58 0.0 56.3 84.5#



#50

Toluene-d8

Concen: 46.251 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD080256.D

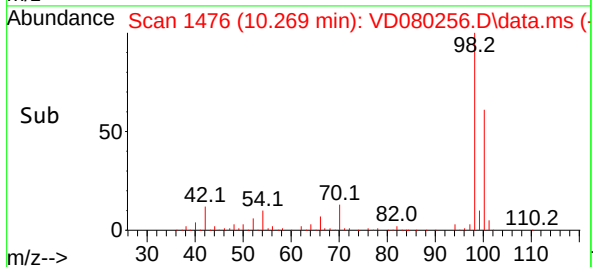
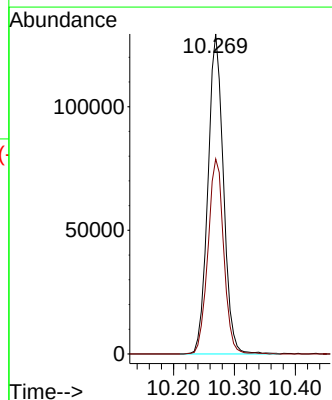
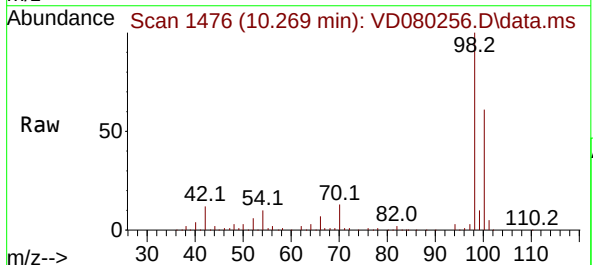
Acq: 07 Feb 2025 11:39

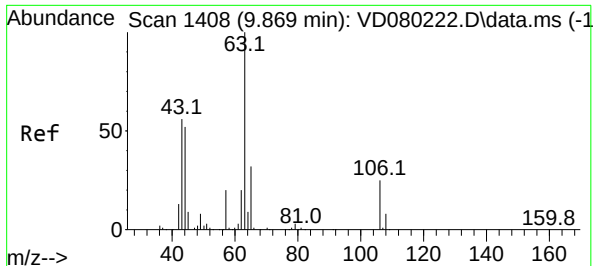
Tgt Ion: 98 Resp: 228549

Ion Ratio Lower Upper

98 100

100 62.1 50.2 75.4

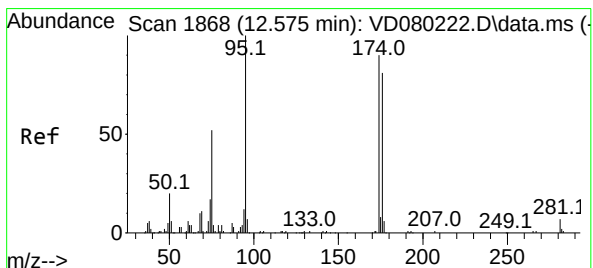
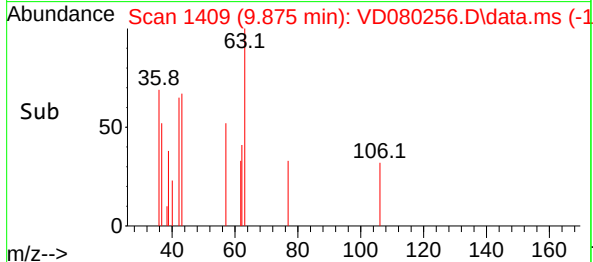
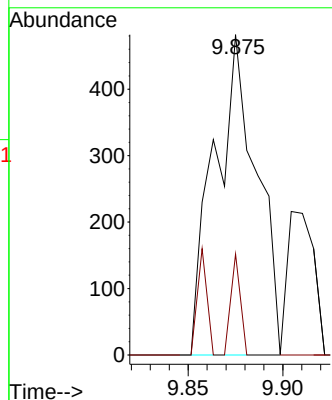
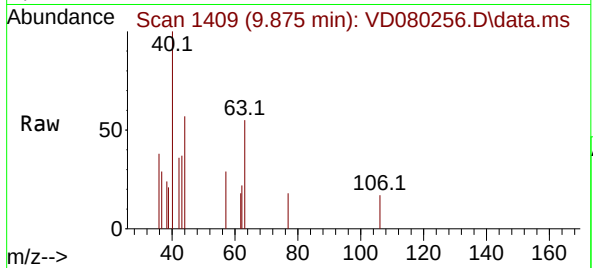




#58
2-Chloroethyl Vinyl ether
Concen: 1.403 ug/l
RT: 9.875 min Scan# 1408
Delta R.T. 0.006 min
Lab File: VD080256.D
Acq: 07 Feb 2025 11:39

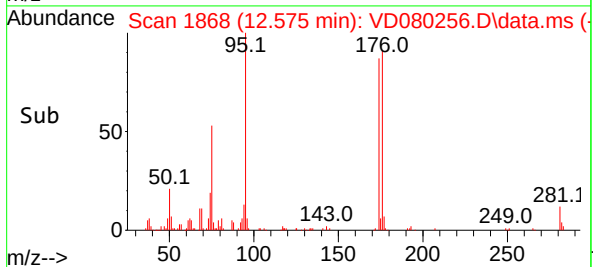
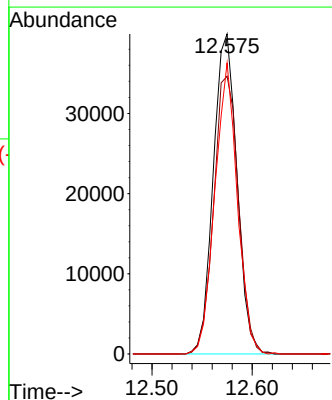
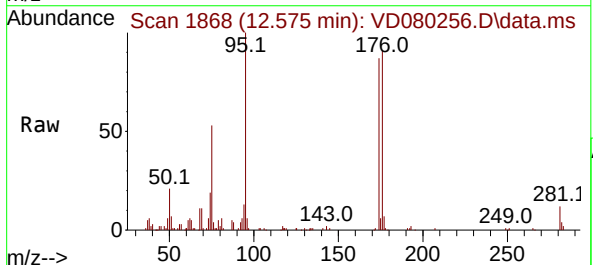
Instrument :
MSVOA_D
ClientSampleId :

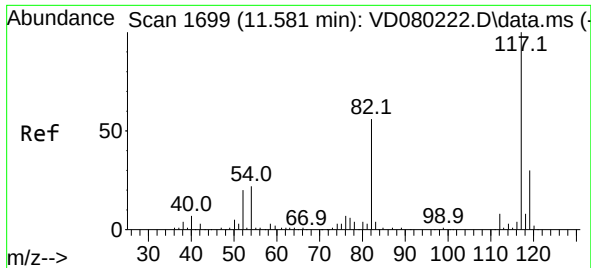
Tgt Ion: 63 Resp: 744
Ion Ratio Lower Upper
63 100
106 7.3 20.6 30.8#



#62
4-Bromofluorobenzene
Concen: 41.316 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD080256.D
Acq: 07 Feb 2025 11:39

Tgt Ion: 95 Resp: 65507
Ion Ratio Lower Upper
95 100
174 91.0 0.0 171.8
176 86.3 0.0 159.6

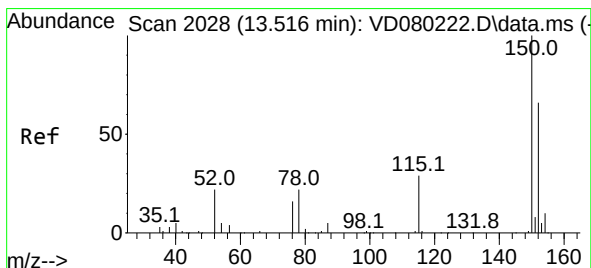
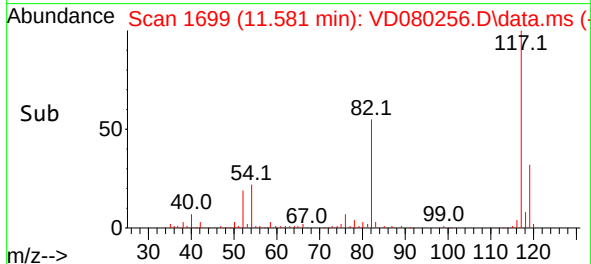
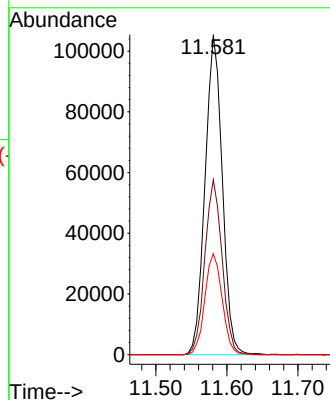
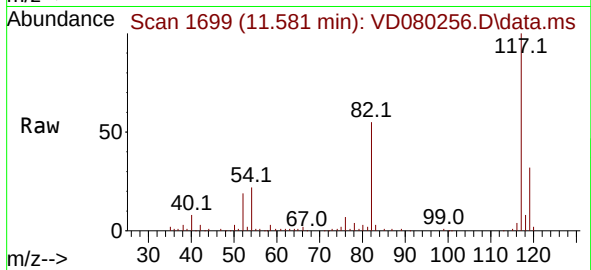




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD080256.D
Acq: 07 Feb 2025 11:39

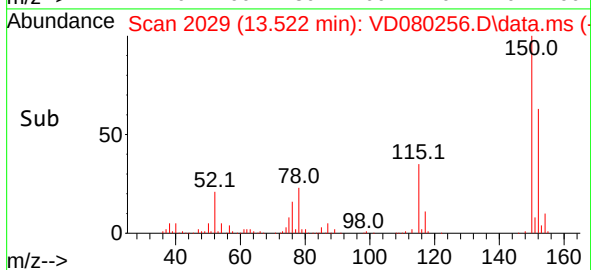
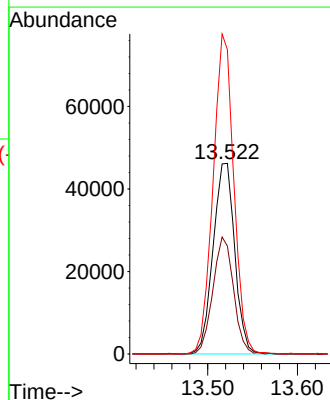
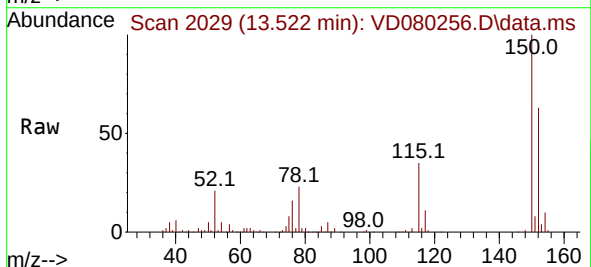
Instrument :
MSVOA_D
ClientSampleId :

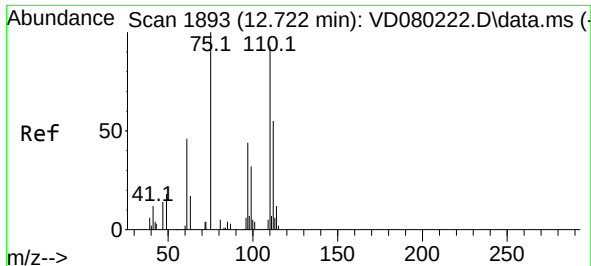
Tgt Ion:117 Resp: 177985
Ion Ratio Lower Upper
117 100
82 54.6 45.0 67.6
119 31.6 24.3 36.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD080256.D
Acq: 07 Feb 2025 11:39

Tgt Ion:152 Resp: 77378
Ion Ratio Lower Upper
152 100
115 58.7 30.0 90.1
150 160.6 0.0 350.4

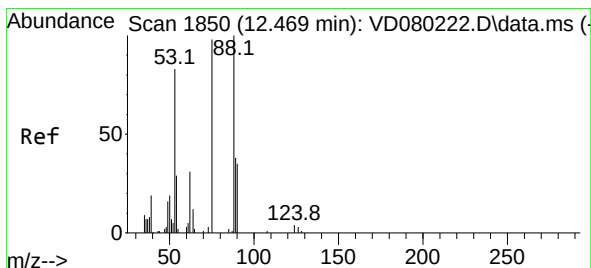
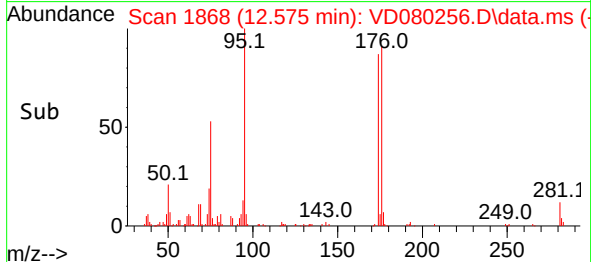
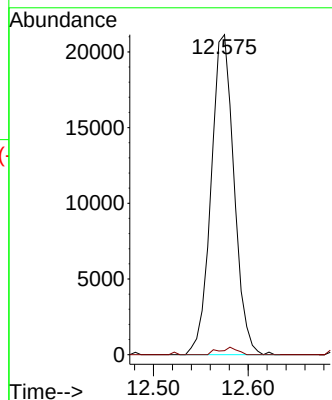
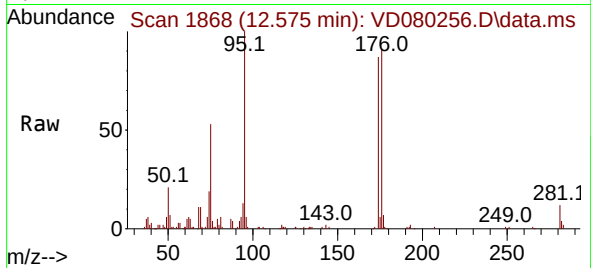




#76
1,2,3-Trichloropropane
Concen: 45.494 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD080256.D
Acq: 07 Feb 2025 11:39

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 35607
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.027 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD080256.D
Acq: 07 Feb 2025 11:39

Tgt Ion: 75 Resp: 35607
Ion Ratio Lower Upper
75 100
53 0.2 69.1 103.7#
89 0.0 36.5 54.7#

