

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020425\
 Data File : VD080234.D
 Acq On : 04 Feb 2025 12:31
 Operator : RP/MD
 Sample : VD0204SBL01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 05 00:39:18 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)

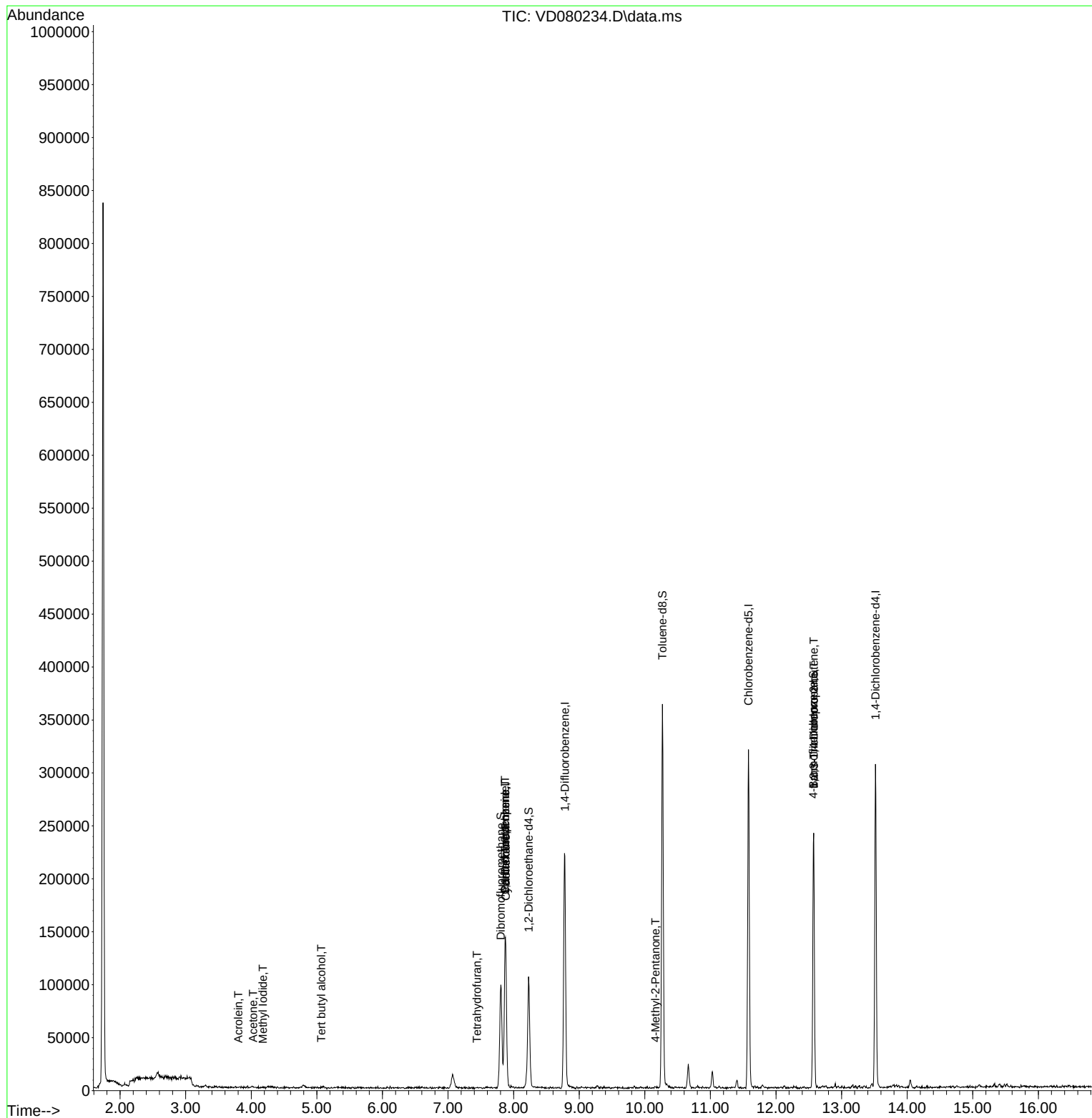
Internal Standards						
1) Pentafluorobenzene	7.875	168	108713	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	188910	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	172019	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	79252	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	76102	53.815	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.640%	
35) Dibromofluoromethane	7.805	113	68804	51.390	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.780%	
50) Toluene-d8	10.269	98	240894	48.518	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.040%	
62) 4-Bromofluorobenzene	12.569	95	70434	44.212	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 88.420%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	247	Below Cal	#	43
5) Bromomethane	2.699	94	1480	Below Cal		90
10) Methyl Iodide	4.175	142	421	4.548	ug/l #	75
11) Tert butyl alcohol	5.069	59	269	3.444	ug/l #	68
13) Acrolein	3.805	56	293	1.989	ug/l #	43
16) Acetone	4.028	43	2640	11.584	ug/l #	81
29) Tetrahydrofuran	7.440	42	648	2.799	ug/l #	42
31) Cyclohexane	7.881	56	3272	1.562	ug/l #	48
36) 1,1-Dichloropropene	7.869	75	9624	5.019	ug/l #	49
38) Carbon Tetrachloride	7.869	117	10599	5.291	ug/l #	16
51) 4-Methyl-2-Pentanone	10.163	43	1241	1.471	ug/l #	77
76) 1,2,3-Trichloropropane	12.575	75	37123	46.310	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	37123	94.694	ug/l #	15

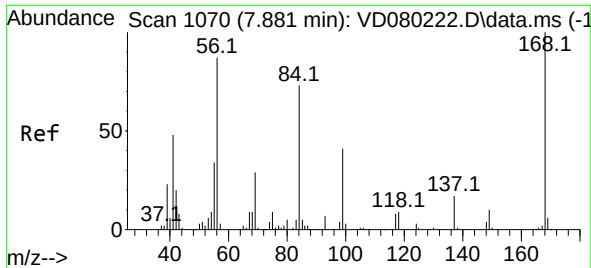
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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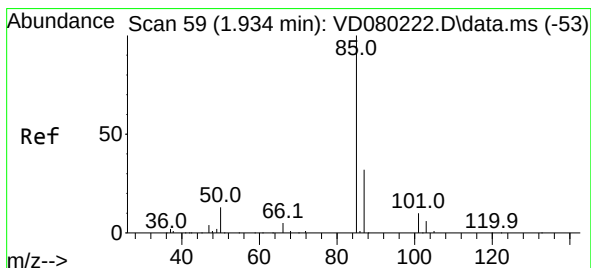
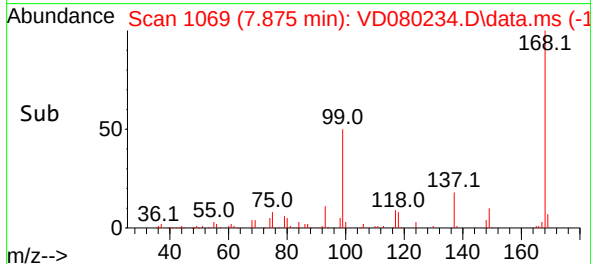
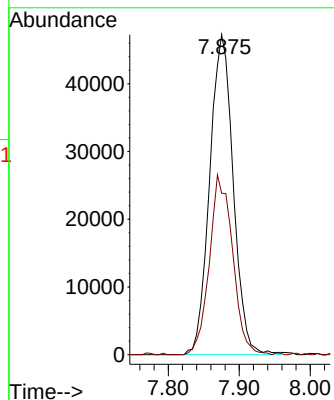
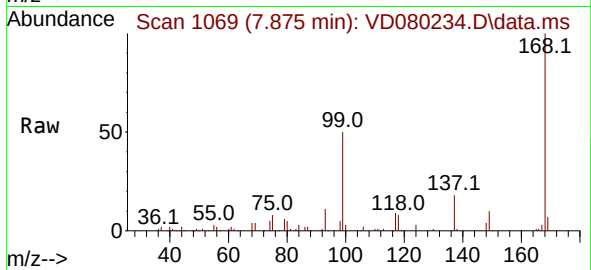




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD080234.D
Acq: 04 Feb 2025 12:31

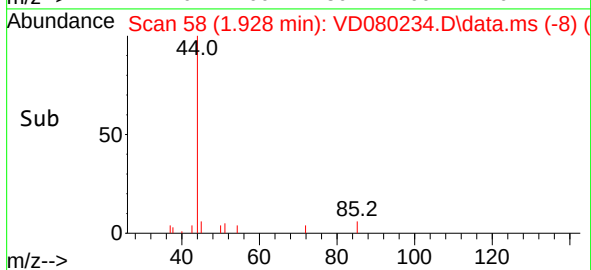
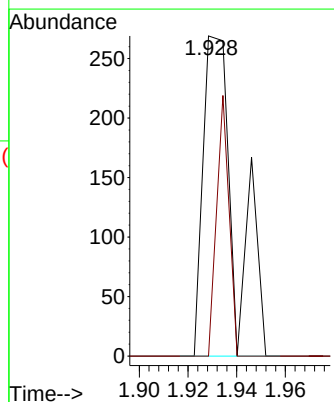
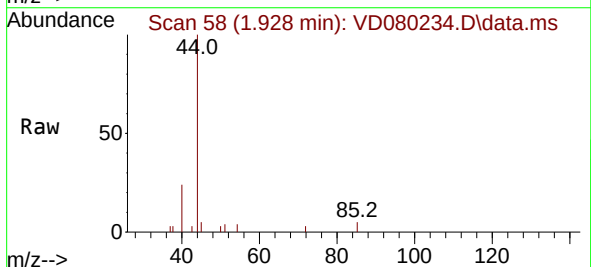
Instrument :
MSVOA_D
ClientSampleId :

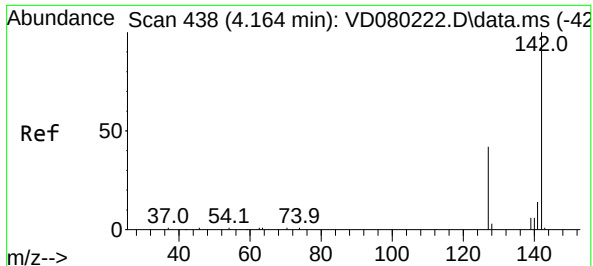
Tgt Ion:168 Resp: 108713
Ion Ratio Lower Upper
168 100
99 50.4 44.4 66.6



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.928 min Scan# 58
Delta R.T. -0.006 min
Lab File: VD080234.D
Acq: 04 Feb 2025 12:31

Tgt Ion: 85 Resp: 247
Ion Ratio Lower Upper
85 100
87 0.0 16.0 47.9#

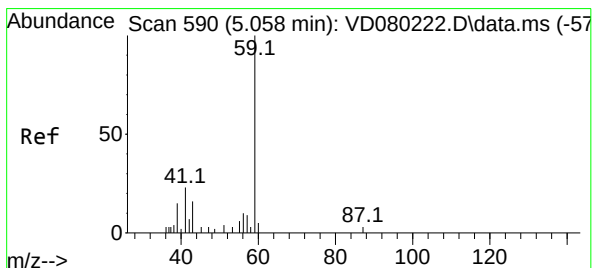
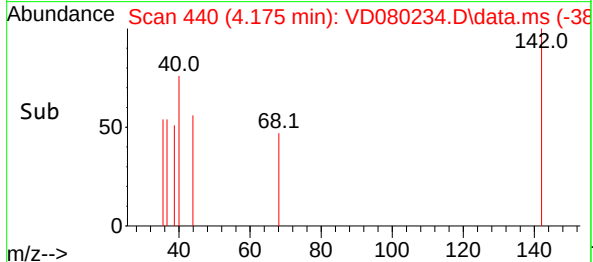
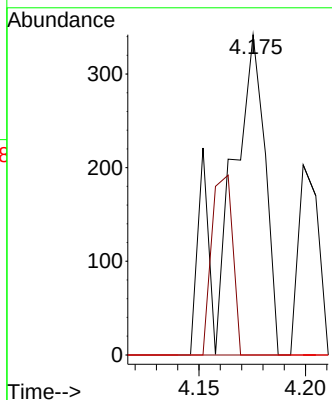
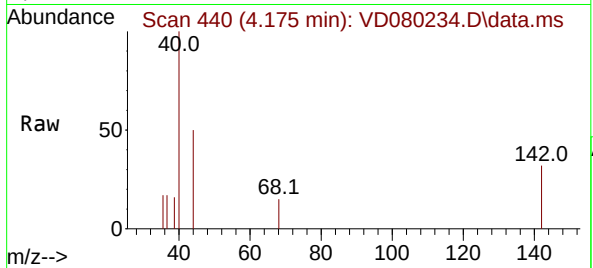




#10
Methyl Iodide
Concen: 4.548 ug/l
RT: 4.175 min Scan# 440
Delta R.T. 0.011 min
Lab File: VD080234.D
Acq: 04 Feb 2025 12:31

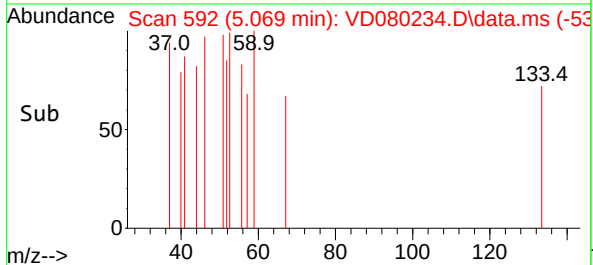
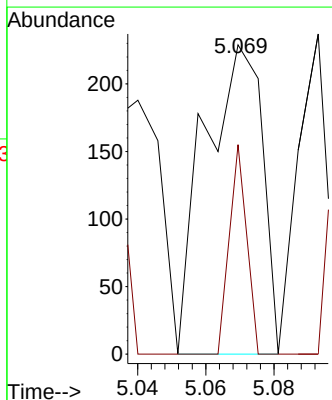
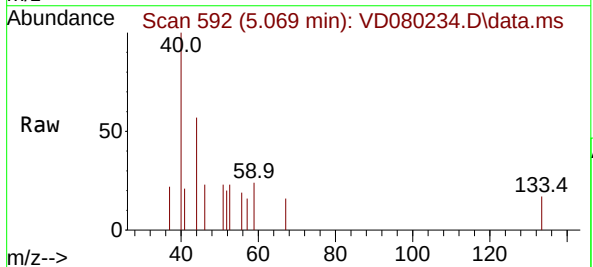
Instrument :
MSVOA_D
ClientSampleId :

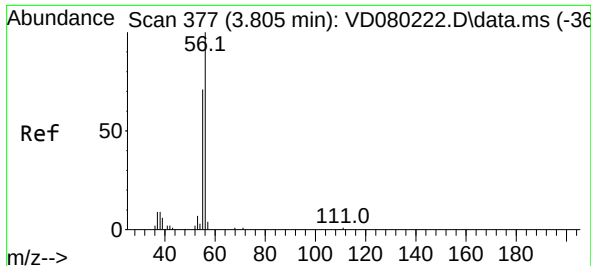
Tgt Ion:142 Resp: 421
Ion Ratio Lower Upper
142 100
127 31.1 35.4 53.2#
141 0.0 12.6 18.8#



#11
Tert butyl alcohol
Concen: 3.444 ug/l
RT: 5.069 min Scan# 592
Delta R.T. 0.012 min
Lab File: VD080234.D
Acq: 04 Feb 2025 12:31

Tgt Ion: 59 Resp: 269
Ion Ratio Lower Upper
59 100
57 20.4 7.2 10.8#

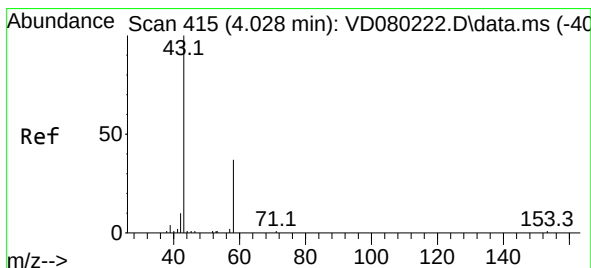
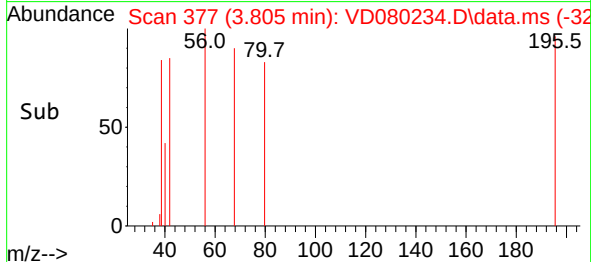
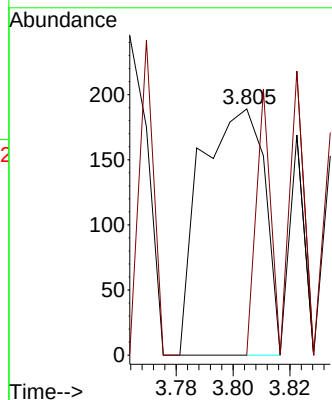
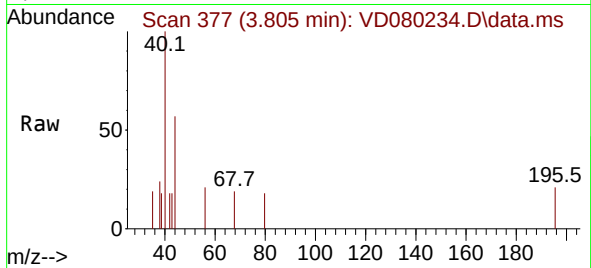




#13
Acrolein
Concen: 1.989 ug/l
RT: 3.805 min Scan# 31
Delta R.T. 0.000 min
Lab File: VD080234.D
Acq: 04 Feb 2025 12:31

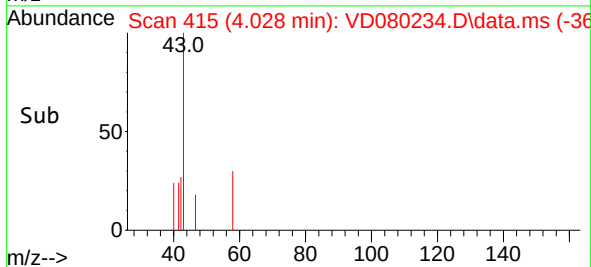
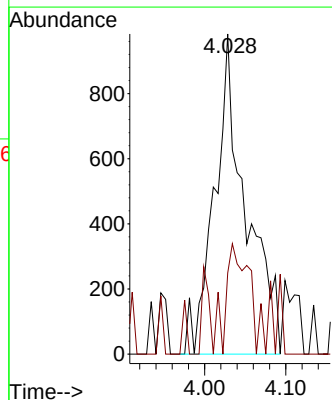
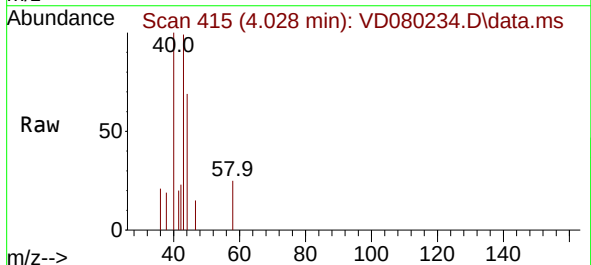
Instrument :
MSVOA_D
ClientSampleId :

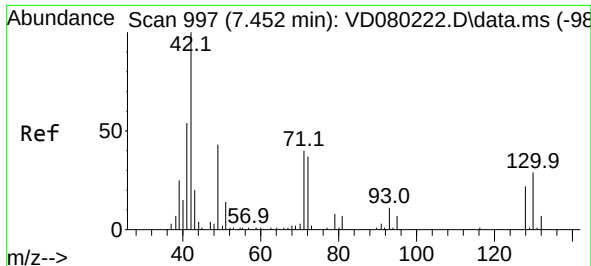
Tgt Ion: 56 Resp: 293
Ion Ratio Lower Upper
56 100
55 24.6 57.8 86.8#



#16
Acetone
Concen: 11.584 ug/l
RT: 4.028 min Scan# 415
Delta R.T. 0.000 min
Lab File: VD080234.D
Acq: 04 Feb 2025 12:31

Tgt Ion: 43 Resp: 2640
Ion Ratio Lower Upper
43 100
58 25.3 29.5 44.3#





#29

Tetrahydrofuran

Concen: 2.799 ug/l

RT: 7.440 min Scan# 995

Delta R.T. -0.012 min

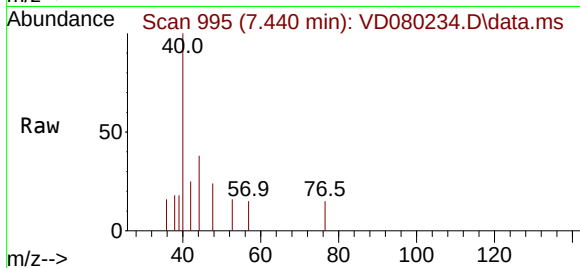
Lab File: VD080234.D

Acq: 04 Feb 2025 12:31

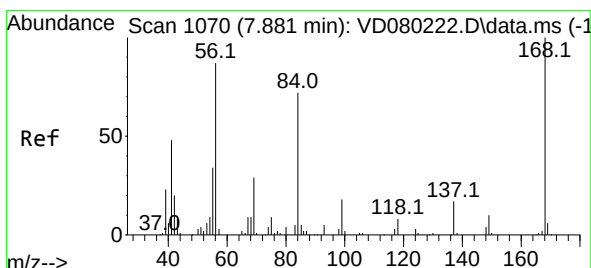
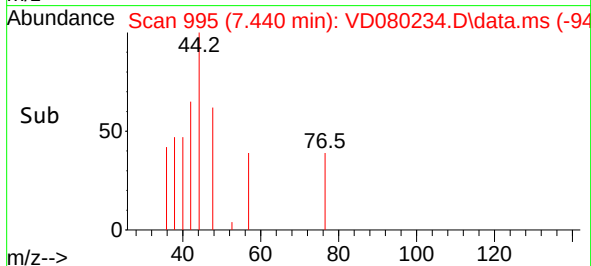
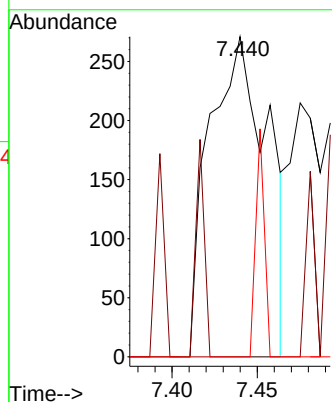
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	42	Resp:	648
Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.5	50.3#
71	10.5	32.9	49.3#



#31

Cyclohexane

Concen: 1.562 ug/l

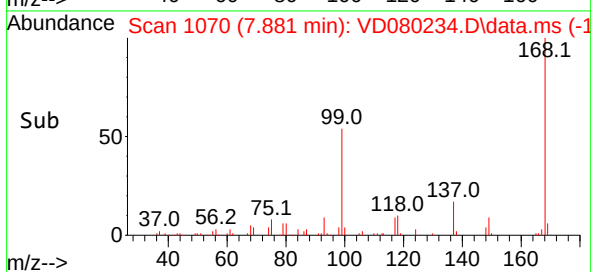
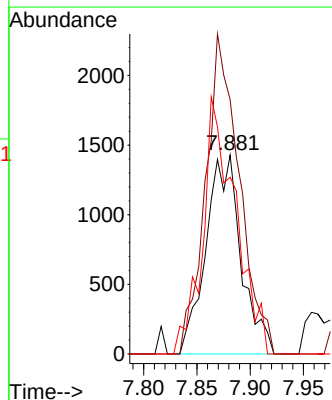
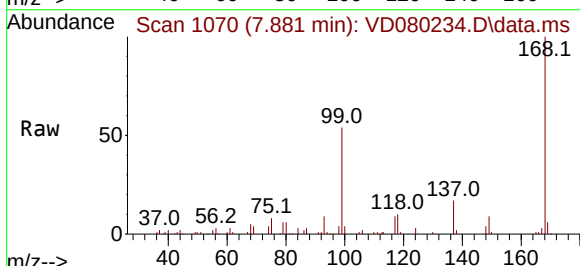
RT: 7.881 min Scan# 1070

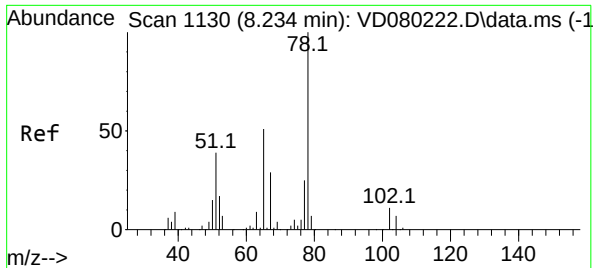
Delta R.T. 0.000 min

Lab File: VD080234.D

Acq: 04 Feb 2025 12:31

Tgt Ion:	56	Resp:	3272
Ion	Ratio	Lower	Upper
56	100		
69	127.9	27.0	40.4#
84	88.9	66.3	99.5





#33

1,2-Dichloroethane-d4

Concen: 53.815 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD080234.D

Acq: 04 Feb 2025 12:31

Instrument :

MSVOA_D

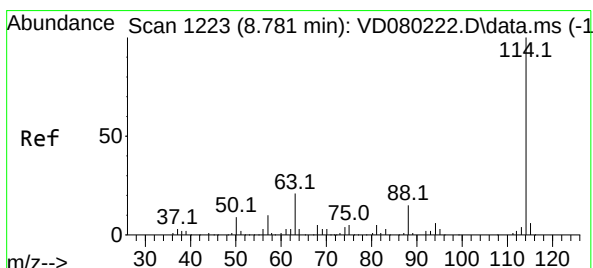
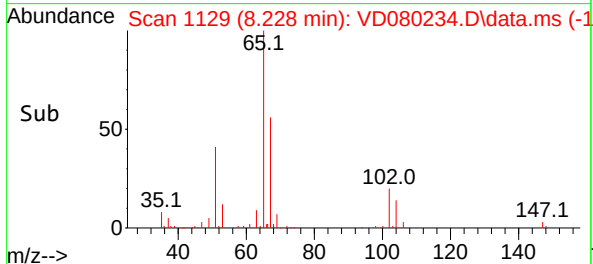
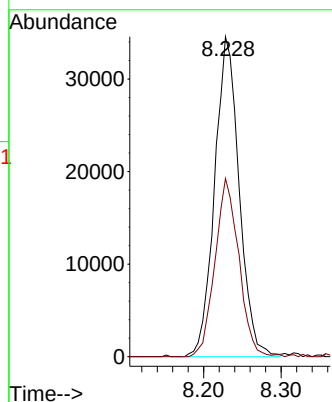
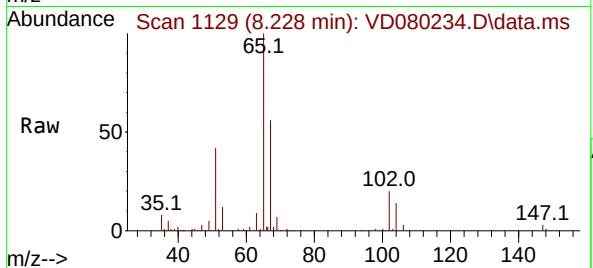
ClientSampleId :

Tgt Ion: 65 Resp: 76102

Ion Ratio Lower Upper

65 100

67 54.1 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: VD080234.D

Acq: 04 Feb 2025 12:31

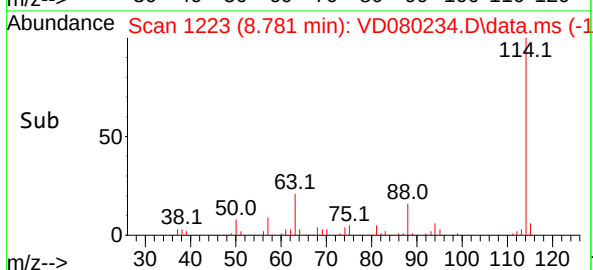
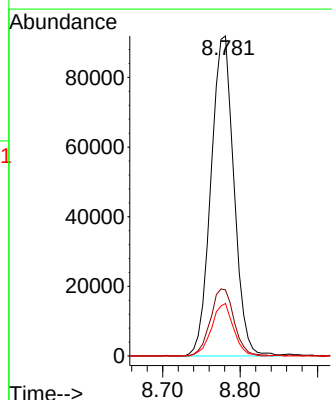
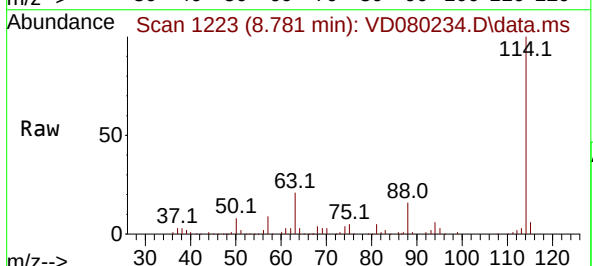
Tgt Ion: 114 Resp: 188910

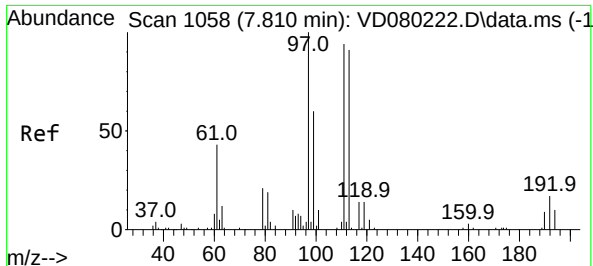
Ion Ratio Lower Upper

114 100

63 20.6 0.0 41.8

88 16.4 0.0 30.4





#35

Dibromofluoromethane

Concen: 51.390 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VD080234.D

Acq: 04 Feb 2025 12:31

Instrument :

MSVOA_D

ClientSampleId :

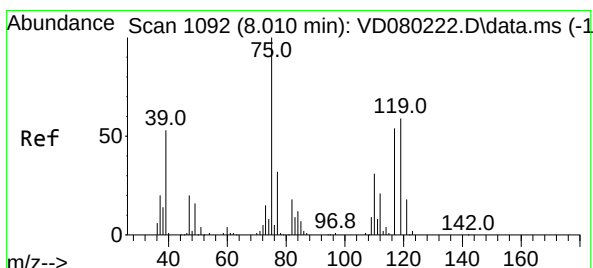
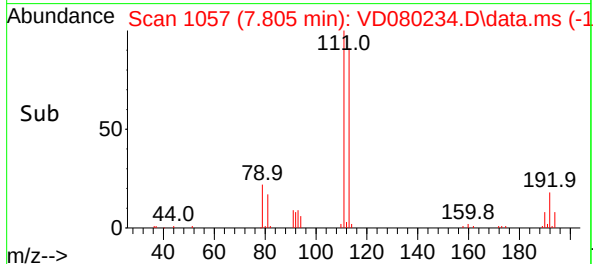
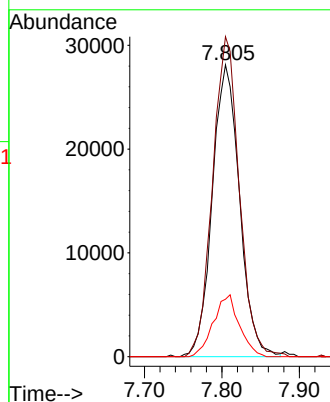
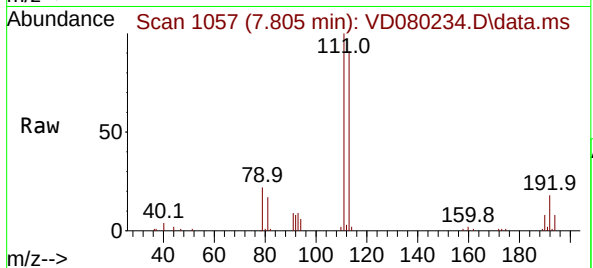
Tgt Ion:113 Resp: 68804

Ion Ratio Lower Upper

113 100

111 107.4 85.0 127.4

192 20.1 15.5 23.3



#36

1,1-Dichloropropene

Concen: 5.019 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VD080234.D

Acq: 04 Feb 2025 12:31

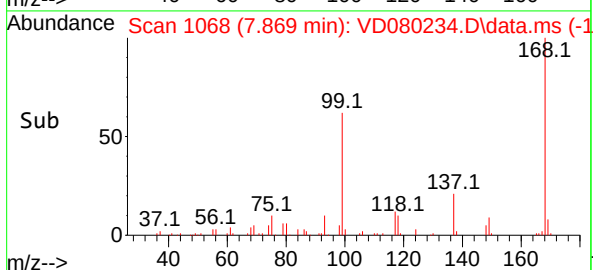
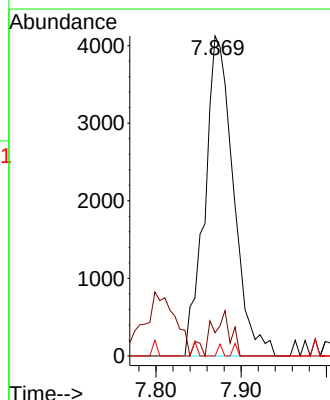
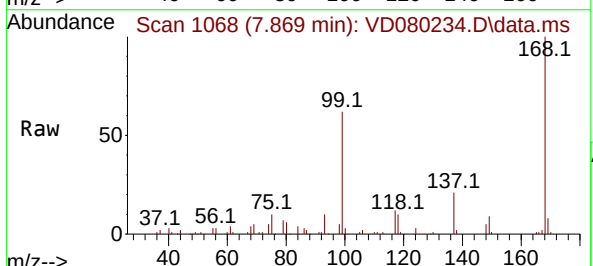
Tgt Ion: 75 Resp: 9624

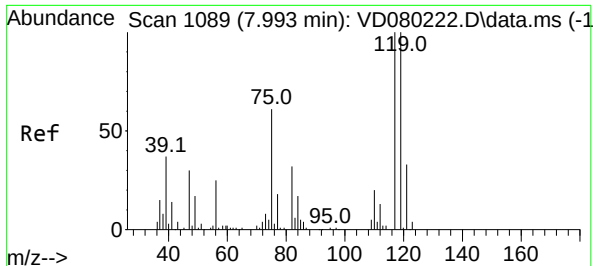
Ion Ratio Lower Upper

75 100

110 8.3 17.1 51.2#

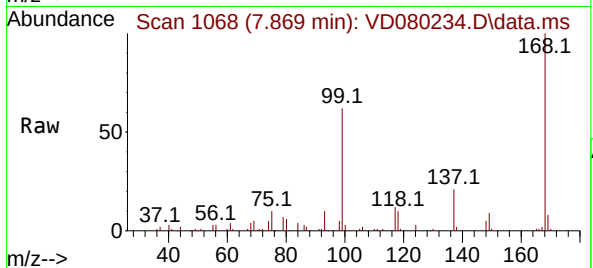
77 0.6 25.6 38.4#



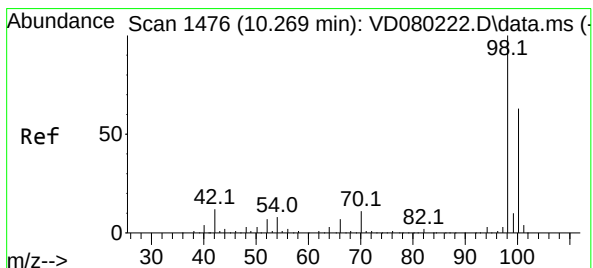
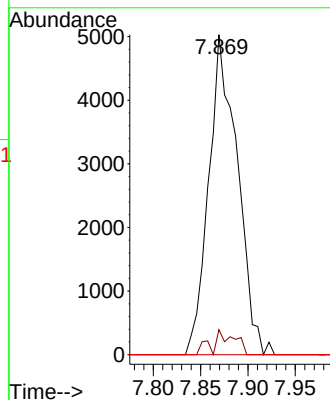
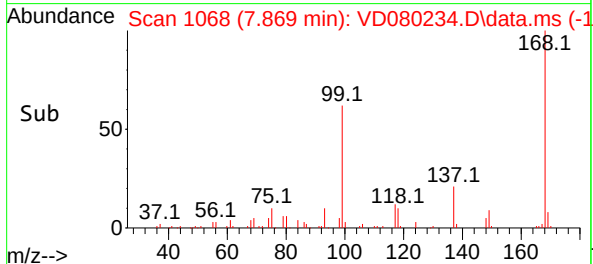


#38
Carbon Tetrachloride
Concen: 5.291 ug/l
RT: 7.869 min Scan# 1089
Delta R.T. -0.123 min
Lab File: VD080234.D
Acq: 04 Feb 2025 12:31

Instrument :
MSVOA_D
ClientSampleId :

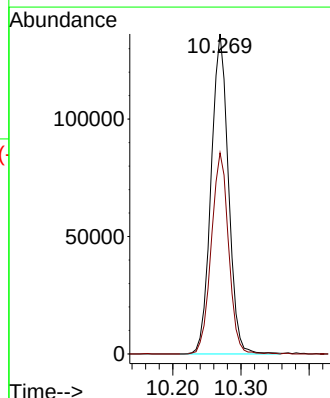
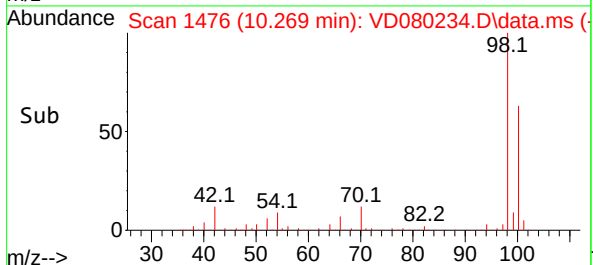
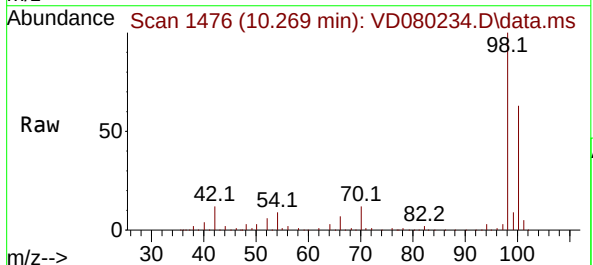


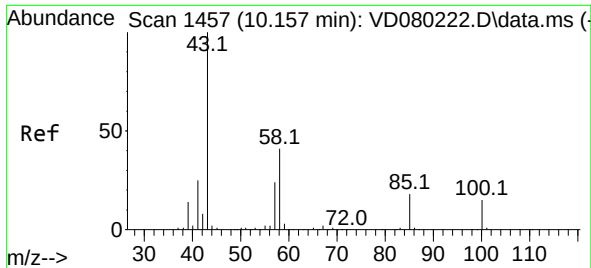
Tgt Ion:117 Resp: 10599
Ion Ratio Lower Upper
117 100
119 7.8 79.8 119.6#
121 0.0 26.6 39.8#



#50
Toluene-d8
Concen: 48.518 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD080234.D
Acq: 04 Feb 2025 12:31

Tgt Ion: 98 Resp: 240894
Ion Ratio Lower Upper
98 100
100 62.6 50.2 75.4

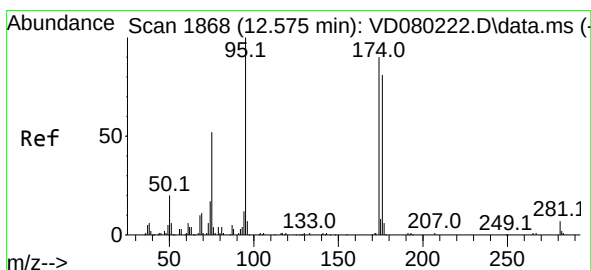
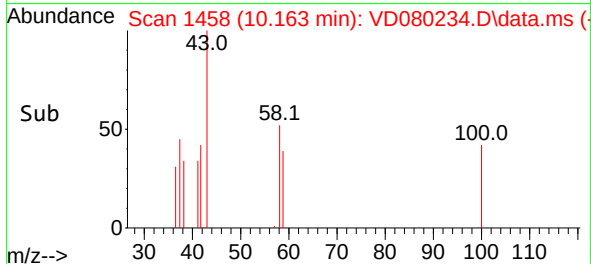
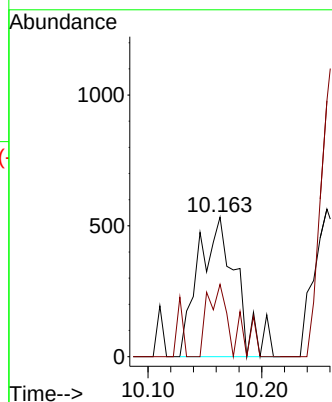
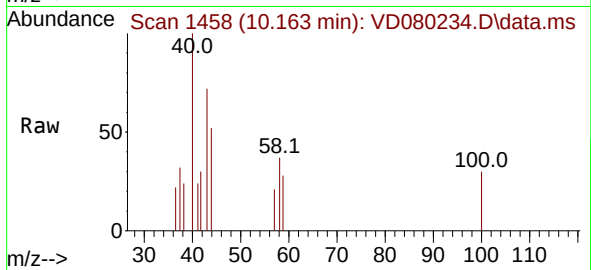




#51
4-Methyl-2-Pentanone
Concen: 1.471 ug/l
RT: 10.163 min Scan# 1457
Delta R.T. 0.006 min
Lab File: VD080234.D
Acq: 04 Feb 2025 12:31

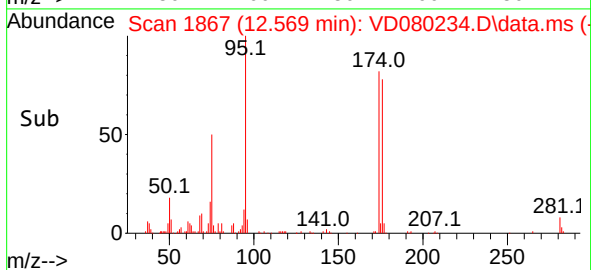
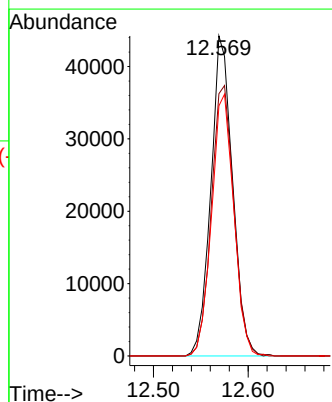
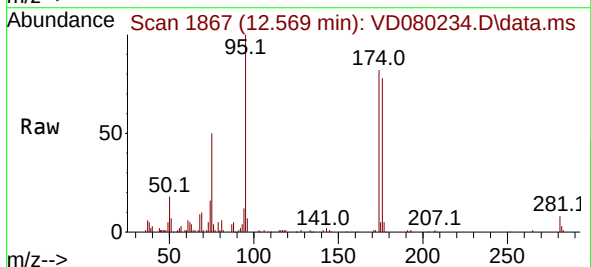
Instrument :
MSVOA_D
ClientSampleId :

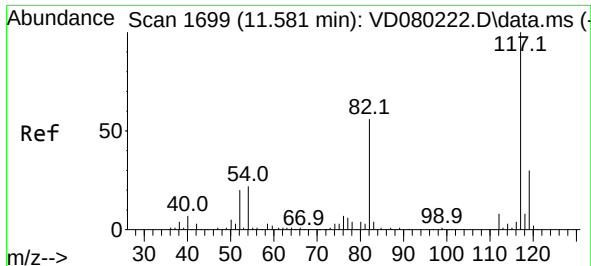
Tgt Ion: 43 Resp: 1241
Ion Ratio Lower Upper
43 100
58 24.7 31.1 46.7#



#62
4-Bromofluorobenzene
Concen: 44.212 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD080234.D
Acq: 04 Feb 2025 12:31

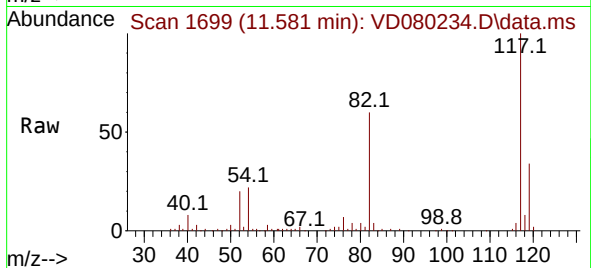
Tgt Ion: 95 Resp: 70434
Ion Ratio Lower Upper
95 100
174 88.0 0.0 171.8
176 83.7 0.0 159.6



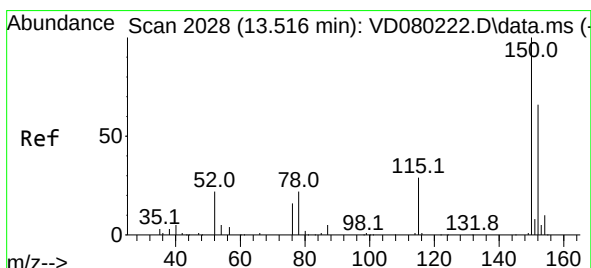
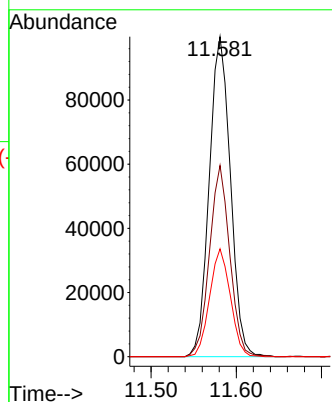
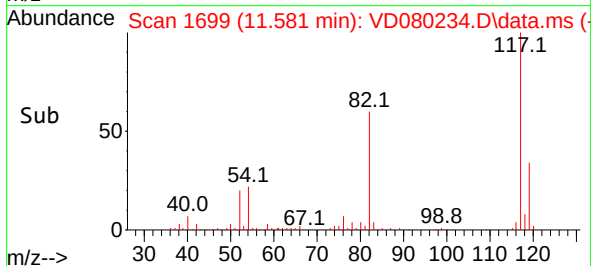


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD080234.D
Acq: 04 Feb 2025 12:31

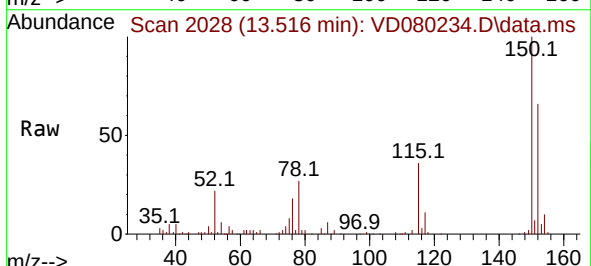
Instrument :
MSVOA_D
ClientSampleId :



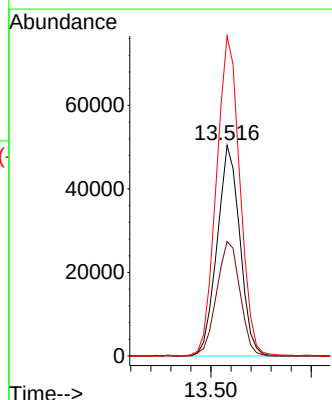
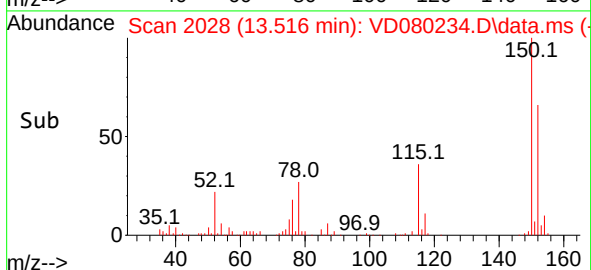
Tgt Ion:117 Resp: 172019
Ion Ratio Lower Upper
117 100
82 59.7 45.0 67.6
119 33.7 24.3 36.5

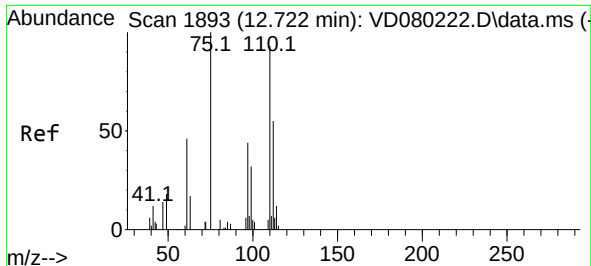


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.000 min
Lab File: VD080234.D
Acq: 04 Feb 2025 12:31



Tgt Ion:152 Resp: 79252
Ion Ratio Lower Upper
152 100
115 56.0 30.0 90.1
150 157.1 0.0 350.4

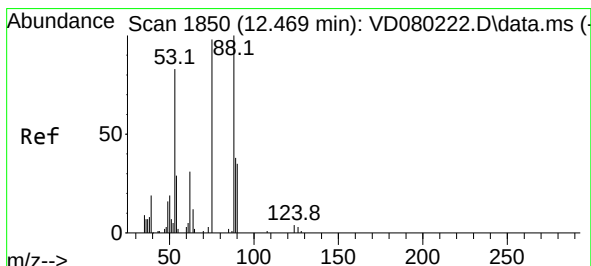
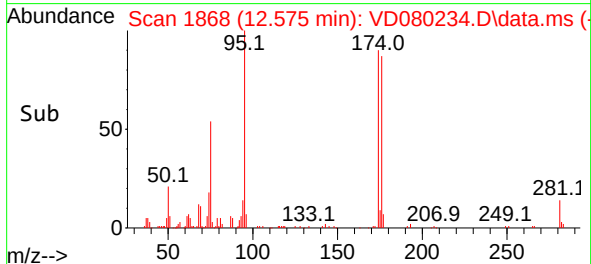
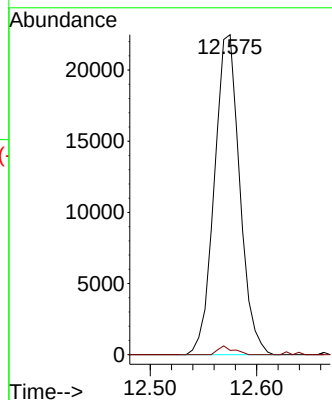
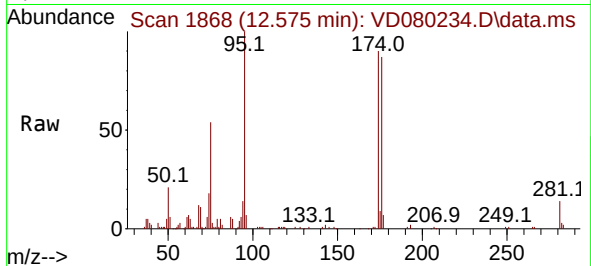




#76
1,2,3-Trichloropropane
Concen: 46.310 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD080234.D
Acq: 04 Feb 2025 12:31

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 37123
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.694 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD080234.D
Acq: 04 Feb 2025 12:31

Tgt Ion: 75 Resp: 37123
Ion Ratio Lower Upper
75 100
53 0.3 69.1 103.7#
89 0.2 36.5 54.7#

