

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011425\
 Data File : VL041908.D
 Acq On : 15 Jan 2025 00:22
 Operator : SY/MD
 Sample : VIBLK
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jan 15 04:23:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Jan 14 23:15:42 2025
 Response via : Initial Calibration

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

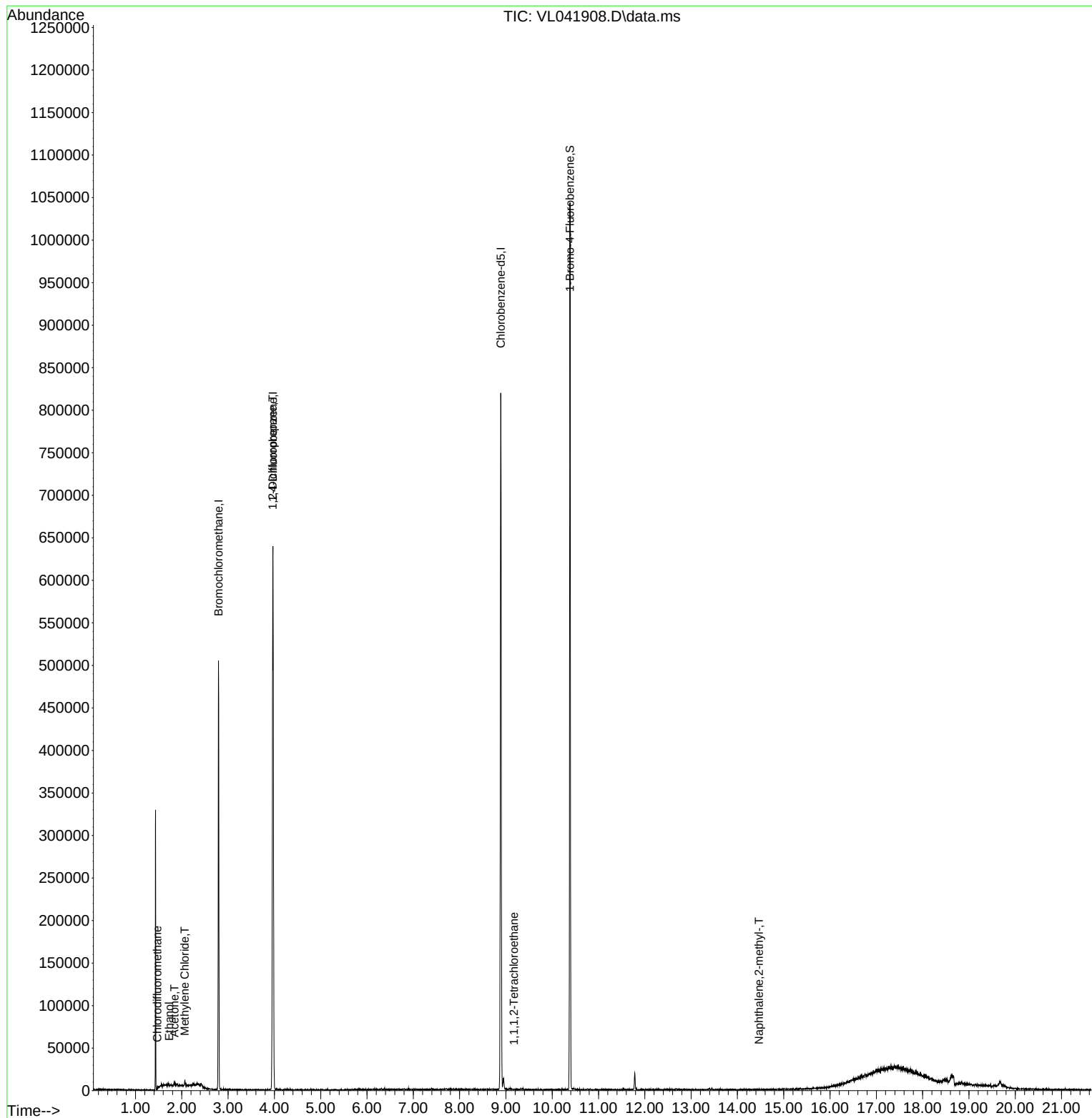
Internal Standards						
1) Bromochloromethane	2.794	49	134472	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.969	114	390434	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	340337	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.384	95	265432	9.902	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.000%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	1.470	51	591	0.031	ppbv #	66
13) Ethanol	1.726	45	148	0.256	ppbv	61
15) Acetone	1.842	43	1865	0.115	ppbv #	89
20) Methylene Chloride	2.065	84	968	0.152	ppbv #	75
39) 1,2-Dichloropropane	3.965	63	96293	7.666	ppbv #	22
56) 1,1,1,2-Tetrachloroethane	9.173	131	31	0.002	ppbv #	9
80) Naphthalene,2-methyl-	14.468	142	51	0.002	ppbv #	16

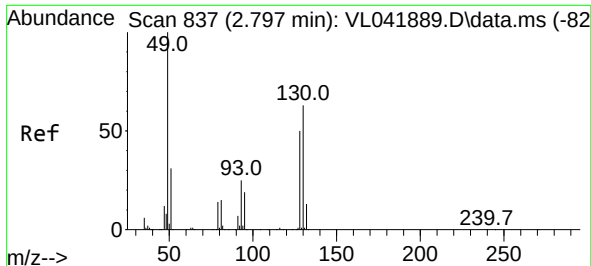
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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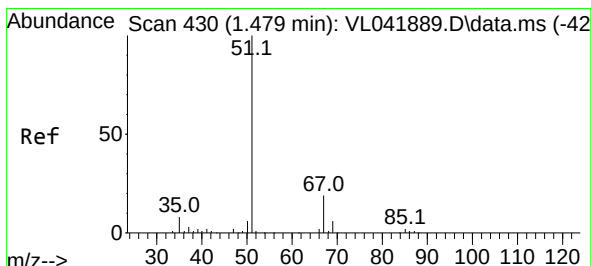
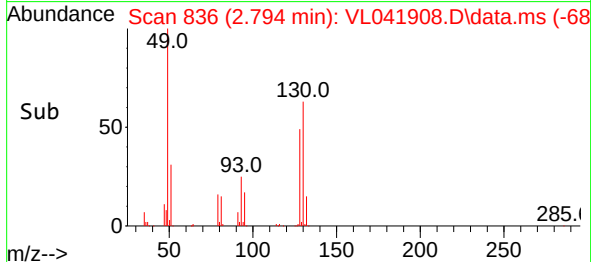
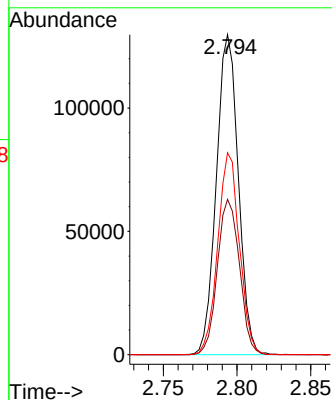
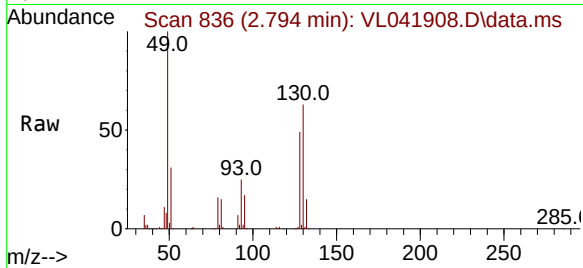




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL041908.D
Acq: 15 Jan 2025 00:22

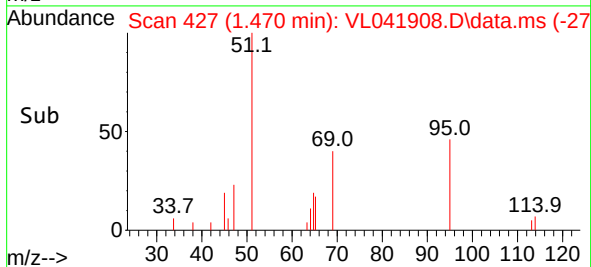
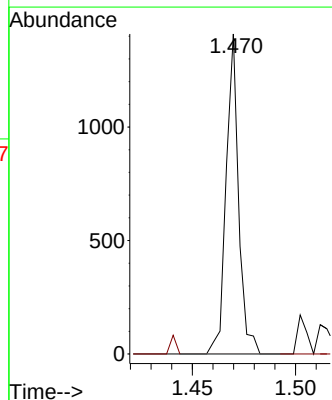
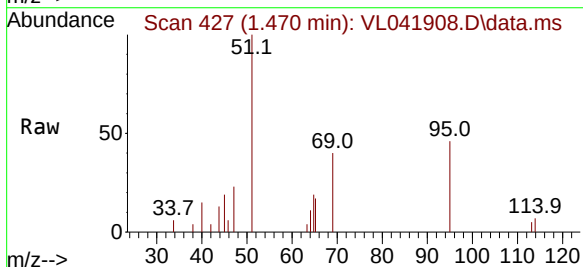
Instrument :
MSVOA_L
ClientSampleId :

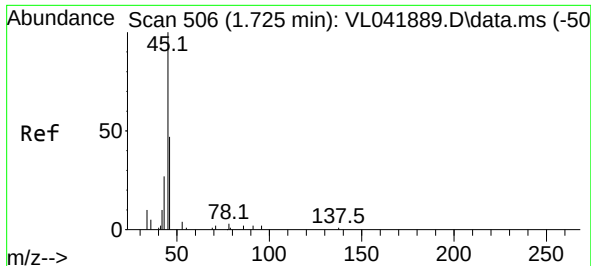
Tgt Ion: 49 Resp: 134472
Ion Ratio Lower Upper
49 100
128 48.9 24.3 73.0
130 62.2 31.1 93.2



#3
Chlorodifluoromethane
Concen: 0.031 ppbv
RT: 1.470 min Scan# 427
Delta R.T. -0.009 min
Lab File: VL041908.D
Acq: 15 Jan 2025 00:22

Tgt Ion: 51 Resp: 591
Ion Ratio Lower Upper
51 100
67 3.4 15.0 22.4#

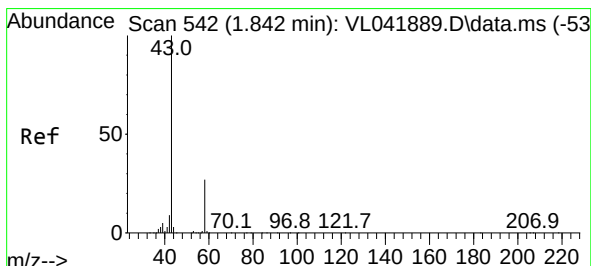
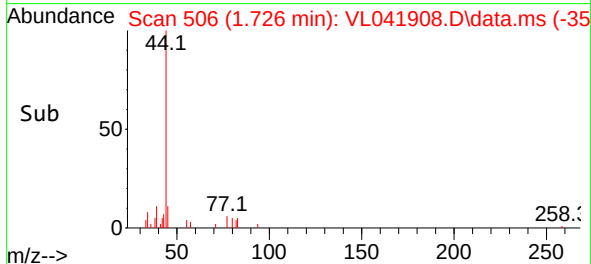
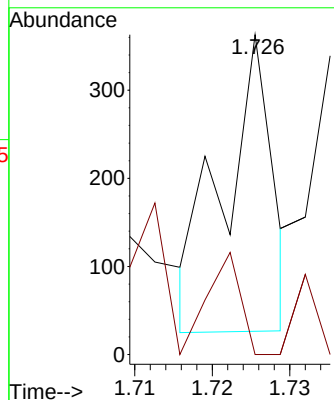
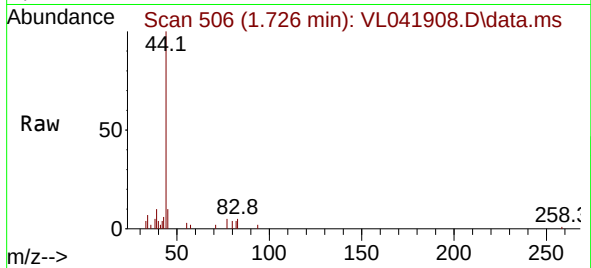




#13
Ethanol
Concen: 0.256 ppbv
RT: 1.726 min Scan# 506
Delta R.T. 0.000 min
Lab File: VL041908.D
Acq: 15 Jan 2025 00:22

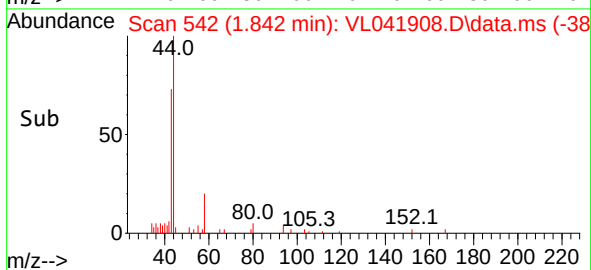
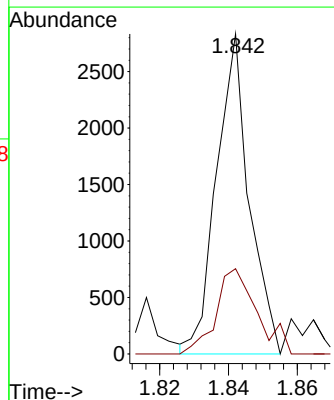
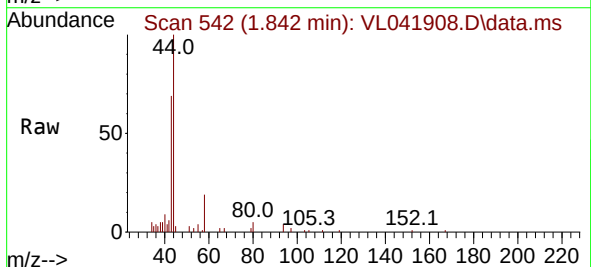
Instrument :
MSVOA_L
ClientSampleId :

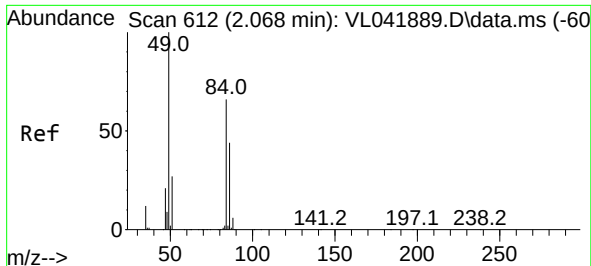
Tgt Ion: 45 Resp: 148
Ion Ratio Lower Upper
45 100
46 70.9 18.1 72.5



#15
Acetone
Concen: 0.115 ppbv
RT: 1.842 min Scan# 542
Delta R.T. 0.000 min
Lab File: VL041908.D
Acq: 15 Jan 2025 00:22

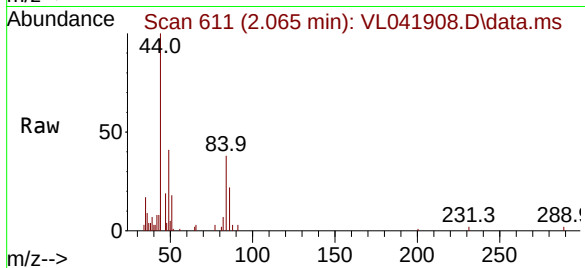
Tgt Ion: 43 Resp: 1865
Ion Ratio Lower Upper
43 100
58 33.2 21.9 32.9#



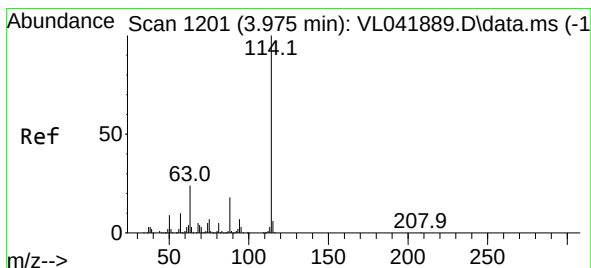
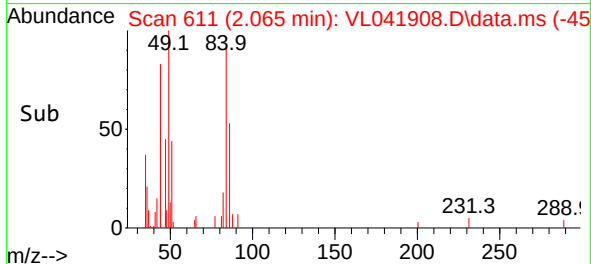
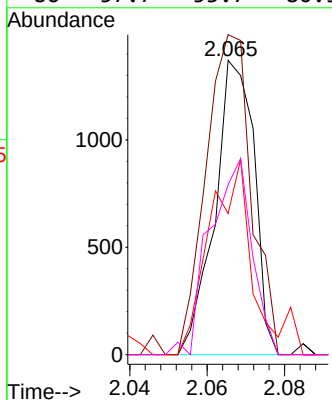


#20
Methylene Chloride
Concen: 0.152 ppbv
RT: 2.065 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL041908.D
Acq: 15 Jan 2025 00:22

Instrument :
MSVOA_L
ClientSampleId :

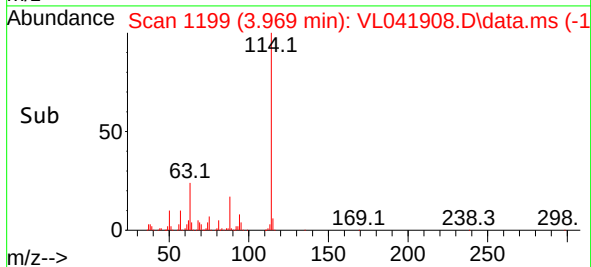
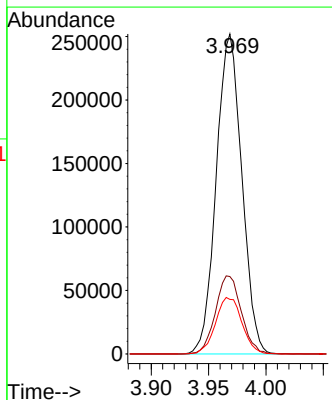
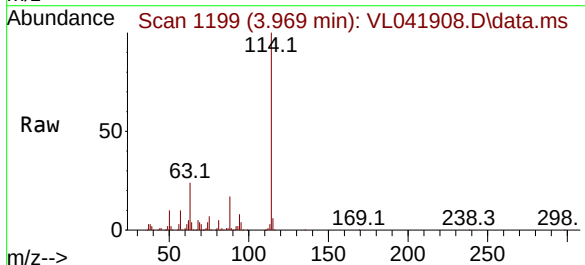


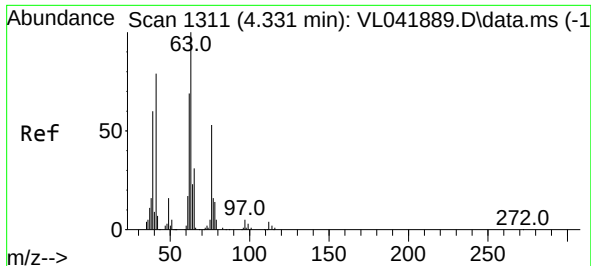
Tgt Ion: 84 Resp: 968
Ion Ratio Lower Upper
84 100
49 108.8 123.1 184.7#
51 51.6 35.8 53.8
86 57.7 53.7 80.5



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.969 min Scan# 1199
Delta R.T. -0.006 min
Lab File: VL041908.D
Acq: 15 Jan 2025 00:22

Tgt Ion: 114 Resp: 390434
Ion Ratio Lower Upper
114 100
63 24.7 19.8 29.6
88 18.3 14.4 21.6





#39

1,2-Dichloropropane

Concen: 7.666 ppbv

RT: 3.965 min Scan# 1198

Delta R.T. -0.366 min

Lab File: VL041908.D

Acq: 15 Jan 2025 00:22

Instrument :

MSVOA_L

ClientSampleId :

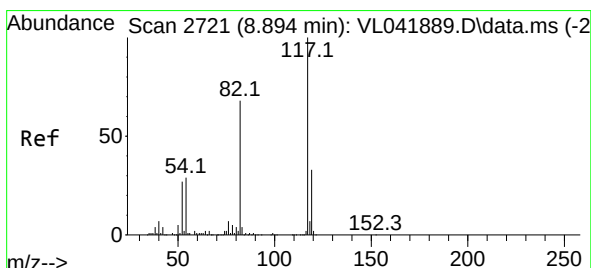
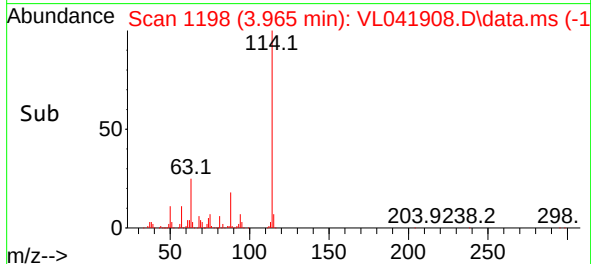
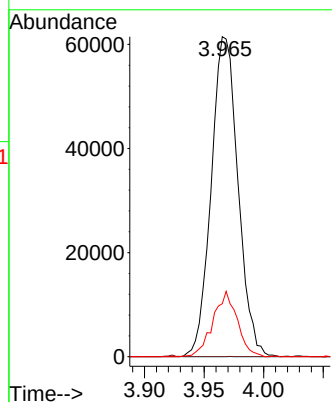
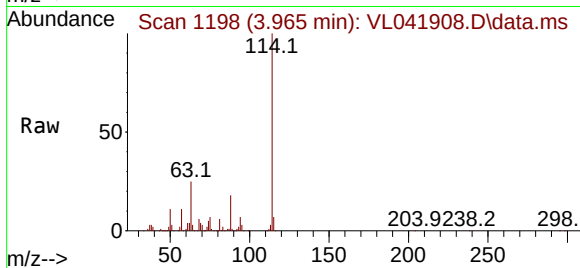
Tgt Ion: 63 Resp: 96293

Ion Ratio Lower Upper

63 100

41 0.0 63.7 95.5#

62 16.5 55.4 83.2#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.888 min Scan# 2719

Delta R.T. -0.006 min

Lab File: VL041908.D

Acq: 15 Jan 2025 00:22

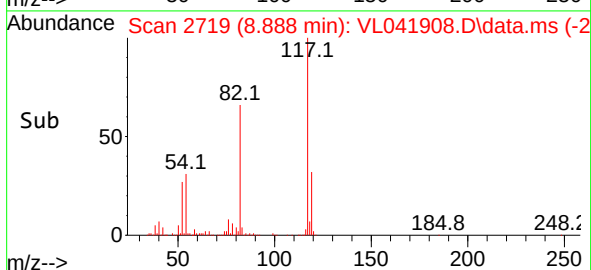
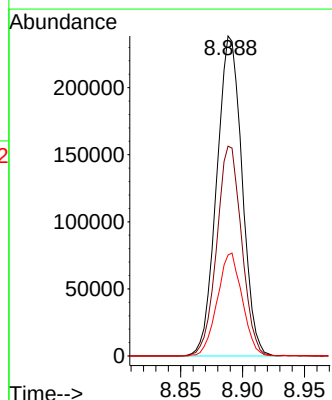
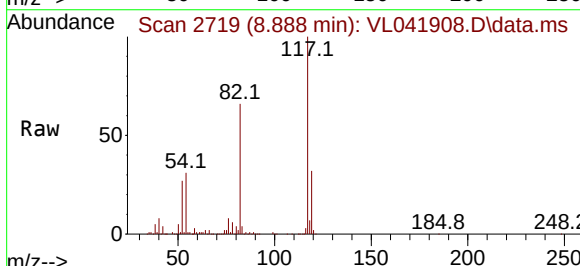
Tgt Ion: 117 Resp: 340337

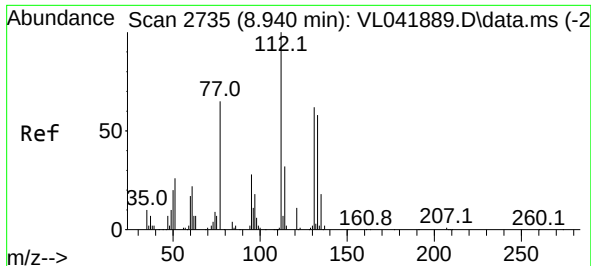
Ion Ratio Lower Upper

117 100

82 64.5 54.2 81.4

119 31.6 25.0 37.6

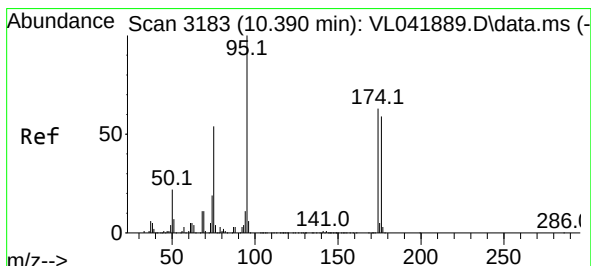
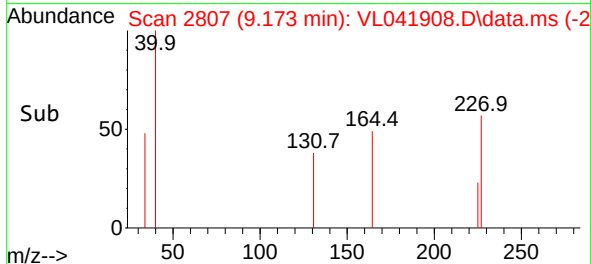
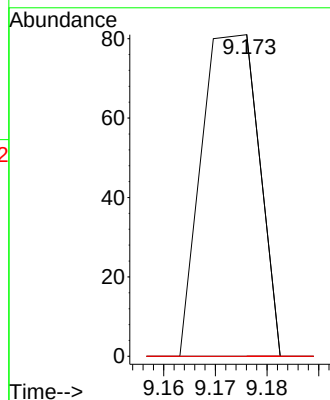
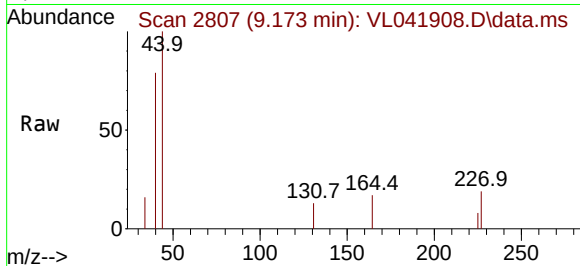




#56
 1,1,1,2-Tetrachloroethane
 Concen: 0.002 ppbv
 RT: 9.173 min Scan# 21
 Delta R.T. 0.233 min
 Lab File: VL041908.D
 Acq: 15 Jan 2025 00:22

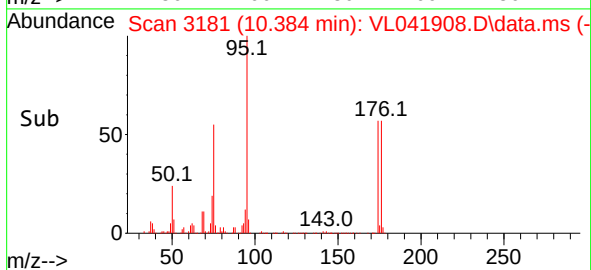
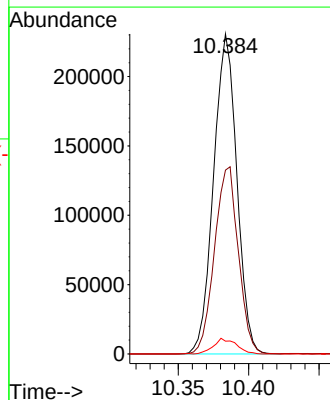
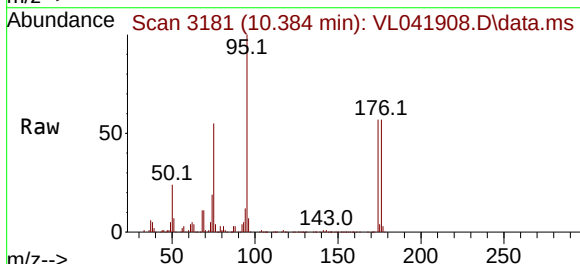
Instrument :
 MSVOA_L
 ClientSampleId :

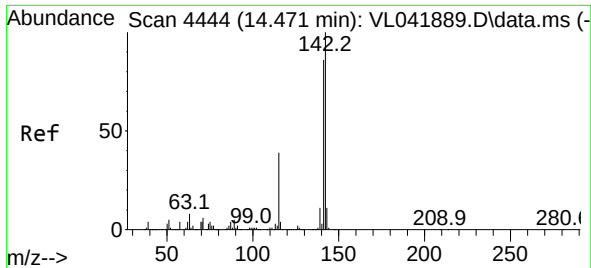
Tgt Ion:131 Resp: 31
 Ion Ratio Lower Upper
 131 100
 133 0.0 76.0 114.0#
 119 0.0 49.7 74.5#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.902 ppbv
 RT: 10.384 min Scan# 3181
 Delta R.T. -0.006 min
 Lab File: VL041908.D
 Acq: 15 Jan 2025 00:22

Tgt Ion: 95 Resp: 265432
 Ion Ratio Lower Upper
 95 100
 174 60.1 49.0 73.4
 175 4.8 3.8 5.8





#80

Naphthalene, 2-methyl-

Concen: 0.002 ppbv

RT: 14.468 min Scan# 44

Delta R.T. -0.003 min

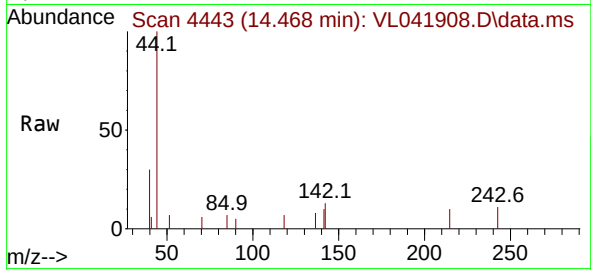
Lab File: VL041908.D

Acq: 15 Jan 2025 00:22

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:142 Resp: 51

Ion Ratio Lower Upper

142 100

141 0.0 68.1 102.1#

115 0.0 31.7 47.5#

