

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030325\
 Data File : VL042076.D
 Acq On : 03 Mar 2025 14:49
 Operator : SY/MD
 Sample : VL0303ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0303ABL01

Quant Time: Mar 04 00:17:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Feb 26 01:08:36 2025
 Response via : Initial Calibration

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

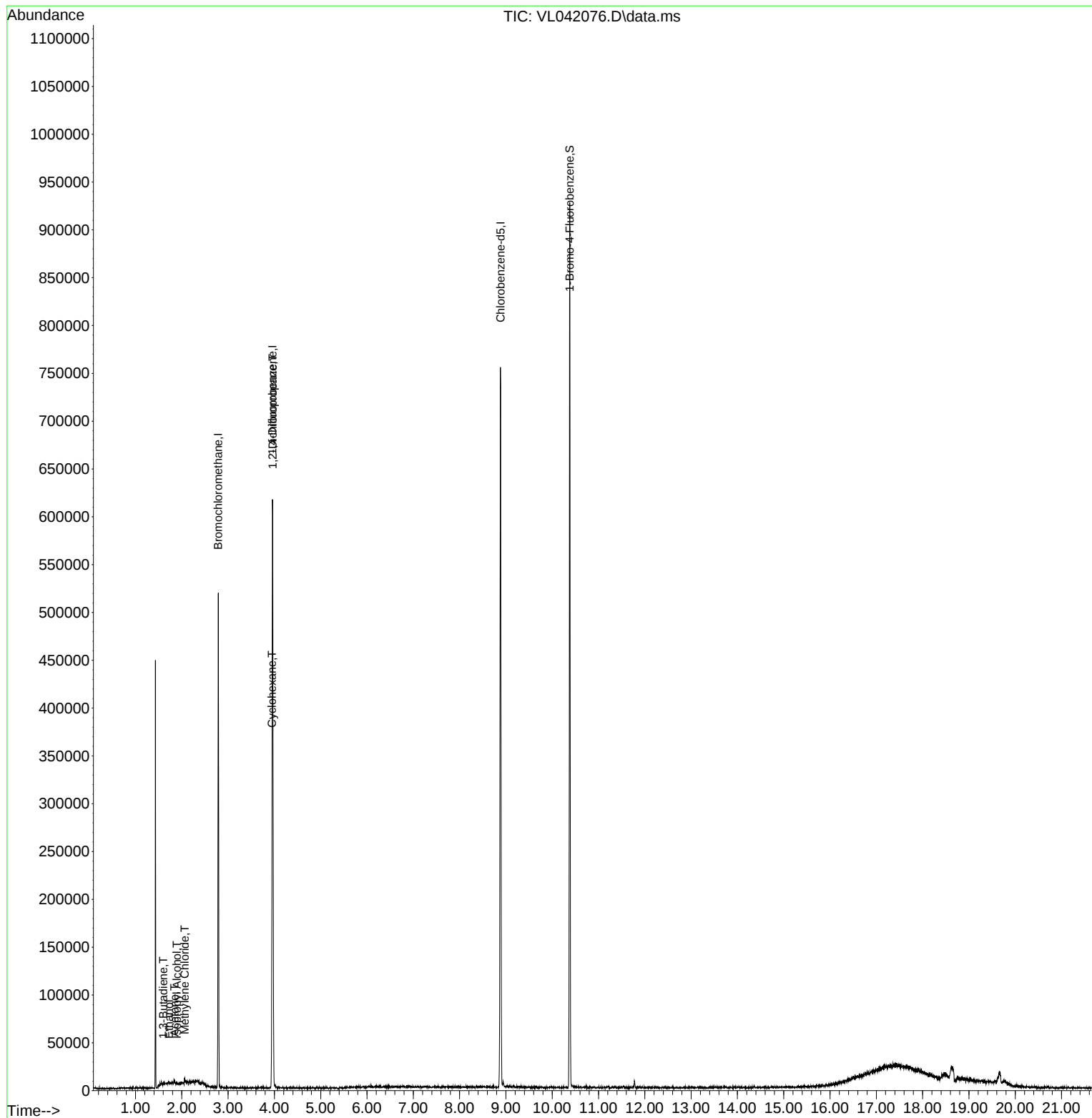
Internal Standards						
1) Bromochloromethane	2.787	49	156551	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	3.959	114	349743	10.000	ppbv	-0.02
55) Chlorobenzene-d5	8.882	117	302717	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	224142	9.624	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.200%
Target Compounds						
					Qvalue	
13) Ethanol	1.722	45	385	0.654	ppbv #	33
15) Acetone	1.839	43	1788	0.129	ppbv	91
16) 1,3-Butadiene	1.602	39	238	0.037	ppbv #	12
19) Isopropyl Alcohol	1.890	45	466	0.059	ppbv #	56
20) Methylene Chloride	2.062	84	741	0.142	ppbv #	71
30) Cyclohexane	3.949	84	739	0.041	ppbv #	1
39) 1,2-Dichloropropane	3.962	63	96309	6.930	ppbv #	23

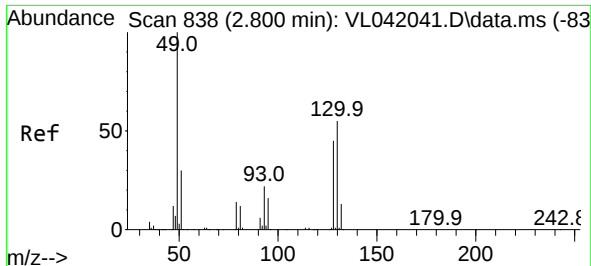
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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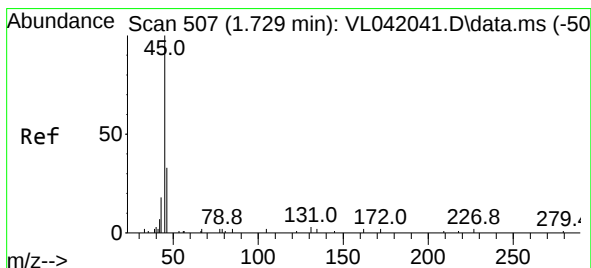
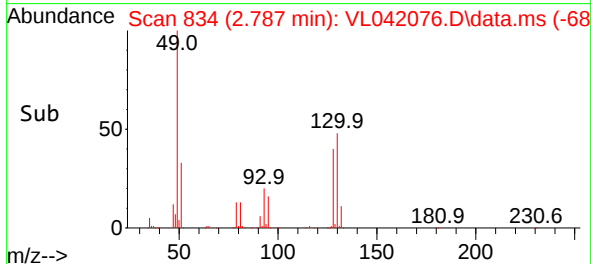
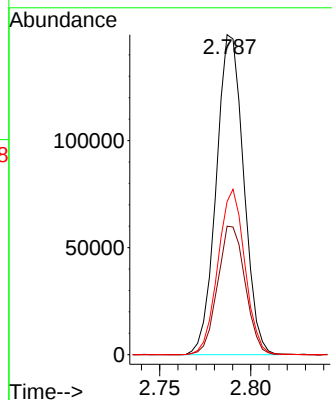
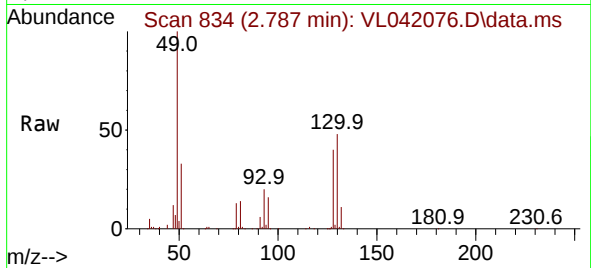




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. -0.013 min
Lab File: VL042076.D
Acq: 03 Mar 2025 14:49

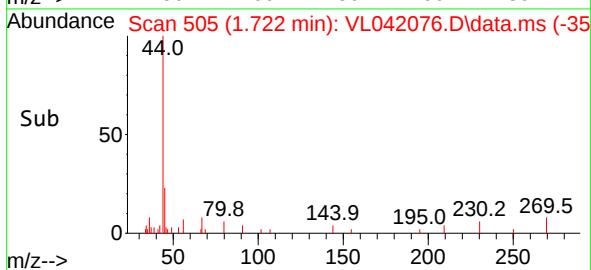
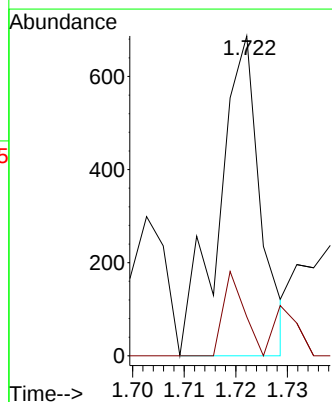
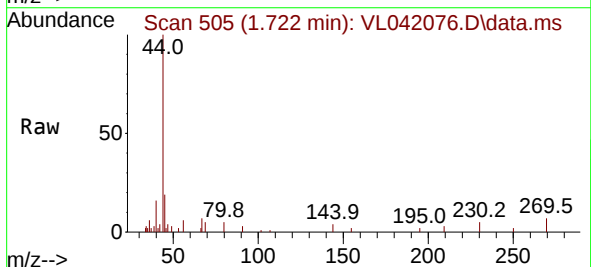
Instrument :
MSVOA_L
ClientSampleId :
VL0303ABL01

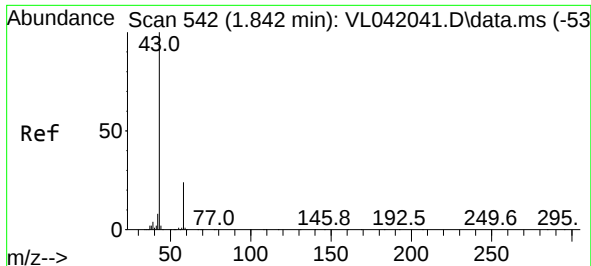
Tgt Ion: 49 Resp: 156551
Ion Ratio Lower Upper
49 100
128 40.3 21.6 64.8
130 50.7 27.8 83.4



#13
Ethanol
Concen: 0.654 ppbv
RT: 1.722 min Scan# 505
Delta R.T. -0.007 min
Lab File: VL042076.D
Acq: 03 Mar 2025 14:49

Tgt Ion: 45 Resp: 385
Ion Ratio Lower Upper
45 100
46 0.0 17.1 68.3#

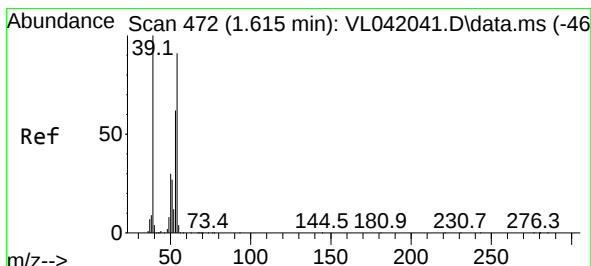
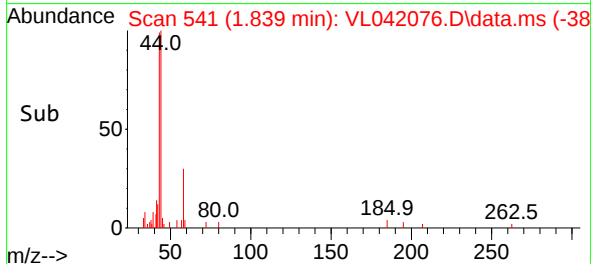
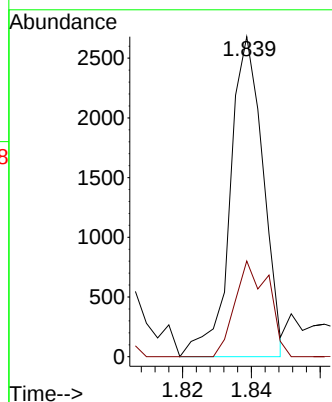
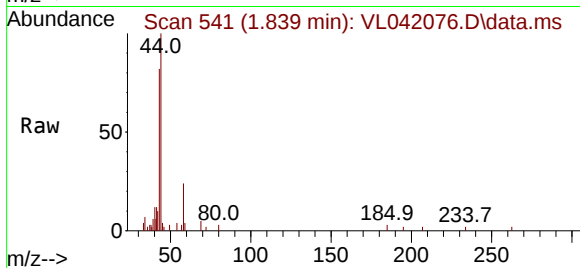




#15
Acetone
Concen: 0.129 ppbv
RT: 1.839 min Scan# 541
Delta R.T. -0.003 min
Lab File: VL042076.D
Acq: 03 Mar 2025 14:49

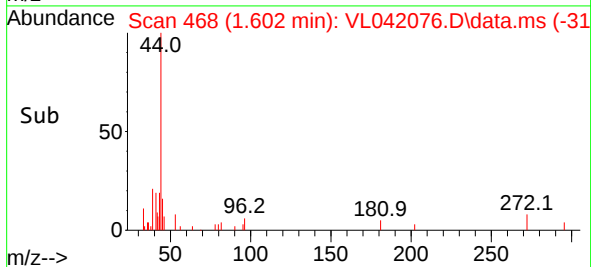
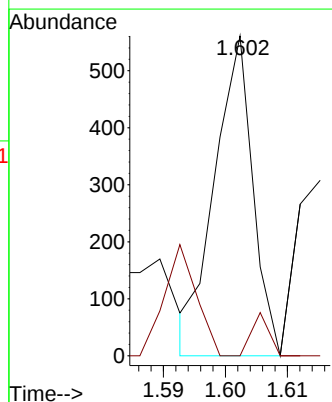
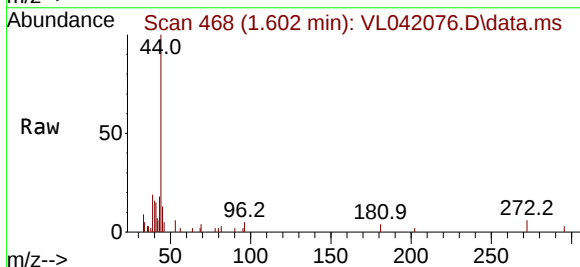
Instrument :
MSVOA_L
ClientSampleId :
VL0303ABL01

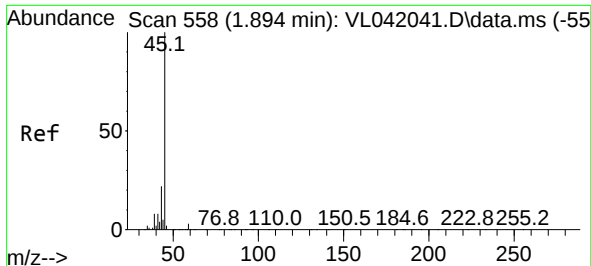
Tgt Ion: 43 Resp: 1788
Ion Ratio Lower Upper
43 100
58 30.5 20.7 31.1



#16
1,3-Butadiene
Concen: 0.037 ppbv
RT: 1.602 min Scan# 468
Delta R.T. -0.013 min
Lab File: VL042076.D
Acq: 03 Mar 2025 14:49

Tgt Ion: 39 Resp: 238
Ion Ratio Lower Upper
39 100
54 0.0 59.6 89.4#

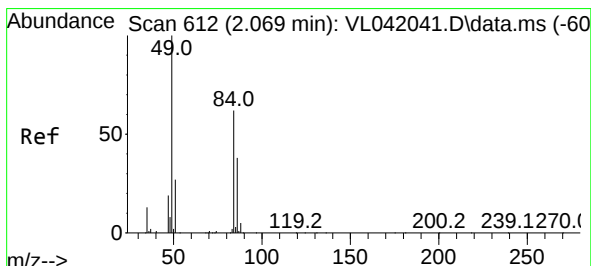
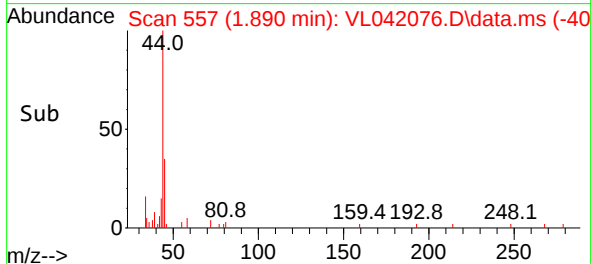
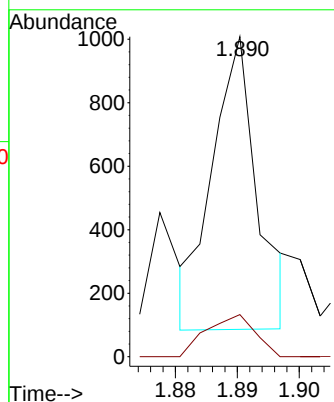
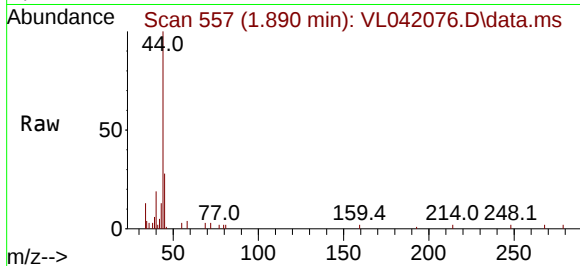




#19
Isopropyl Alcohol
Concen: 0.059 ppbv
RT: 1.890 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL042076.D
Acq: 03 Mar 2025 14:49

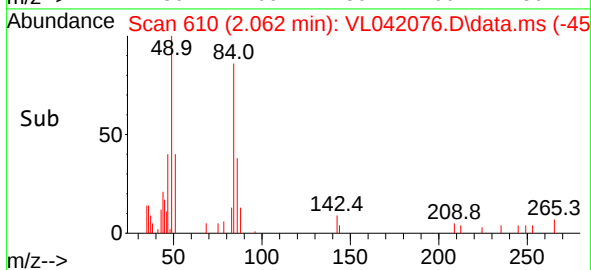
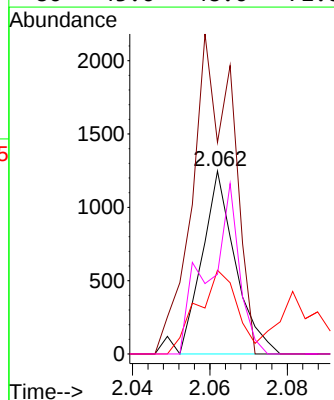
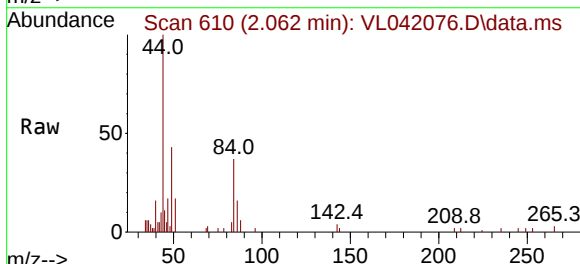
Instrument :
MSVOA_L
ClientSampleId :
VL0303ABL01

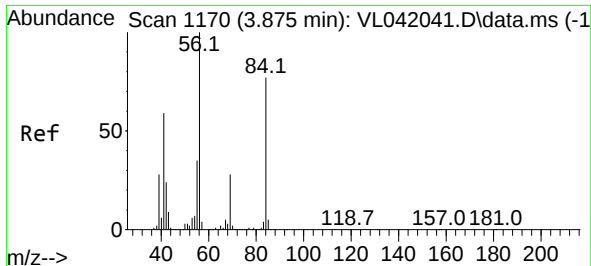
Tgt Ion: 45 Resp: 466
Ion Ratio Lower Upper
45 100
58 15.5 35.3 52.9#



#20
Methylene Chloride
Concen: 0.142 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.007 min
Lab File: VL042076.D
Acq: 03 Mar 2025 14:49

Tgt Ion: 84 Resp: 741
Ion Ratio Lower Upper
84 100
49 115.7 130.0 195.0#
51 36.8 37.4 56.0#
86 43.6 48.6 72.8#

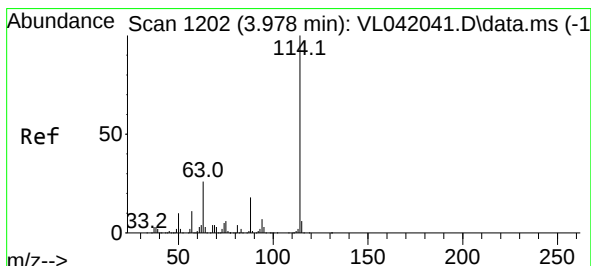
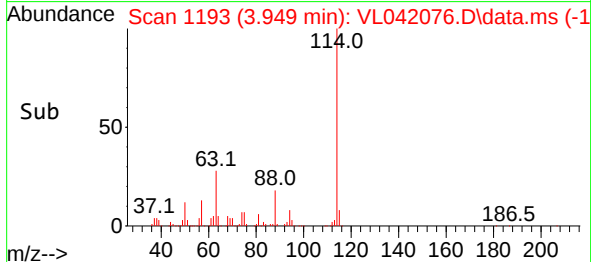
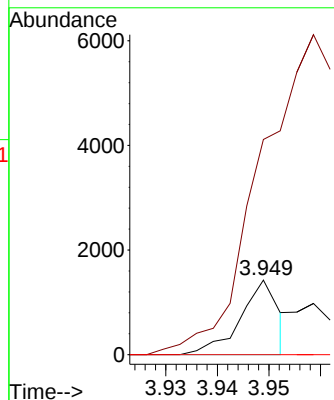
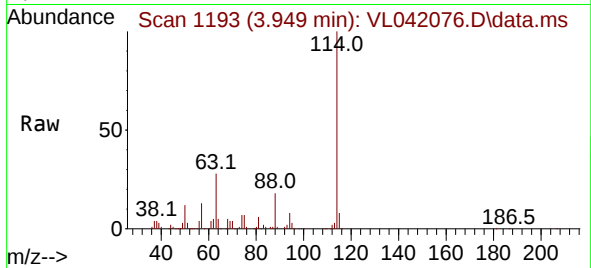




#30
Cyclohexane
Concen: 0.041 ppbv
RT: 3.949 min Scan# 1170
Delta R.T. 0.074 min
Lab File: VL042076.D
Acq: 03 Mar 2025 14:49

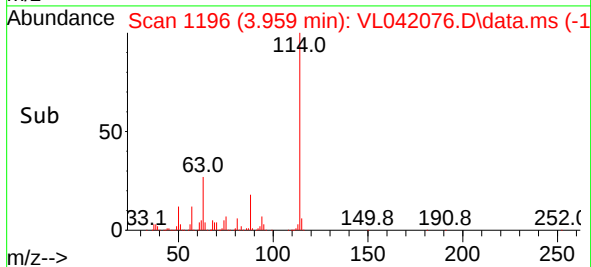
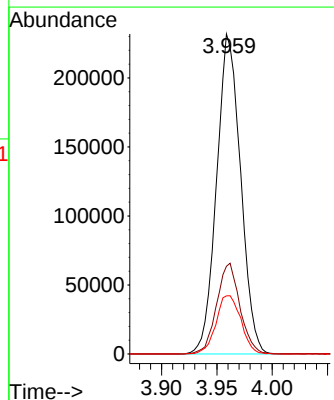
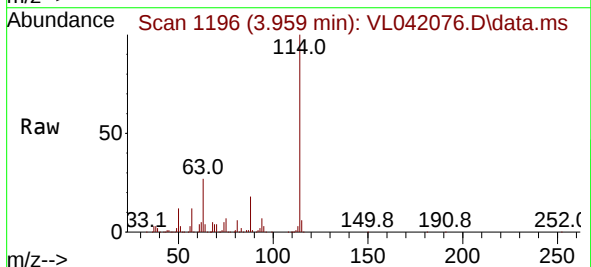
Instrument :
MSVOA_L
ClientSampleId :
VL0303ABL01

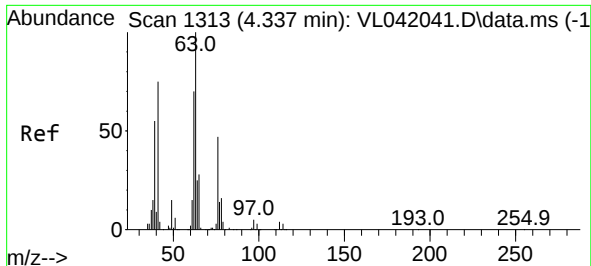
Tgt Ion: 84 Resp: 739
Ion Ratio Lower Upper
84 100
56 0.0 101.5 152.3#
41 3.5 62.6 93.8#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. -0.020 min
Lab File: VL042076.D
Acq: 03 Mar 2025 14:49

Tgt Ion: 114 Resp: 349743
Ion Ratio Lower Upper
114 100
63 27.5 20.1 30.1
88 18.9 14.3 21.5





#39

1,2-Dichloropropane

Concen: 6.930 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. -0.376 min

Lab File: VL042076.D

Acq: 03 Mar 2025 14:49

Instrument :

MSVOA_L

ClientSampleId :

VL0303ABL01

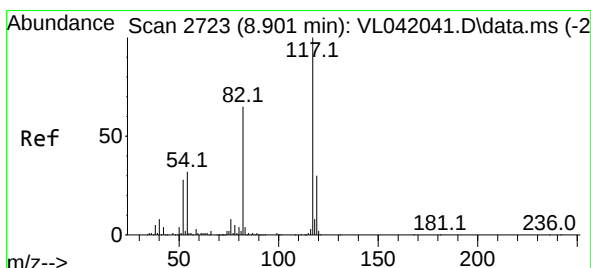
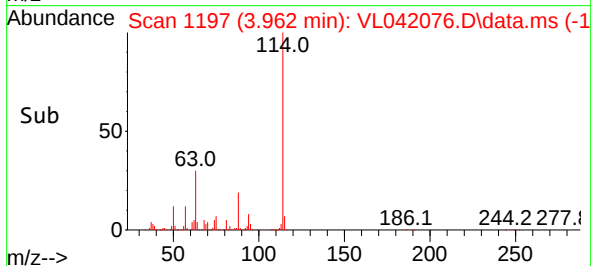
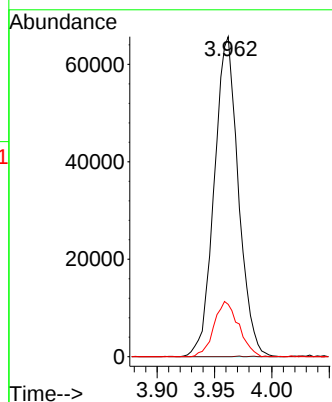
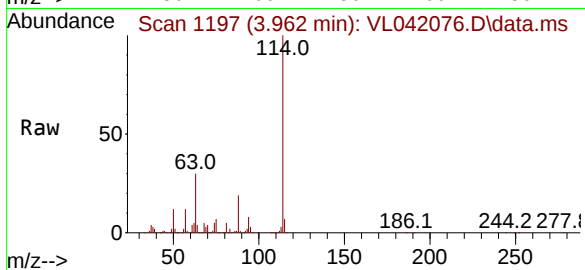
Tgt Ion: 63 Resp: 96309

Ion Ratio Lower Upper

63 100

41 0.0 60.1 90.1#

62 16.4 55.8 83.8#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.882 min Scan# 2717

Delta R.T. -0.020 min

Lab File: VL042076.D

Acq: 03 Mar 2025 14:49

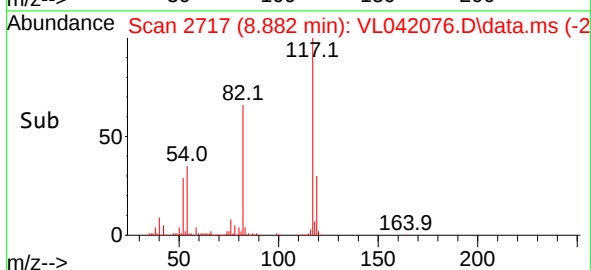
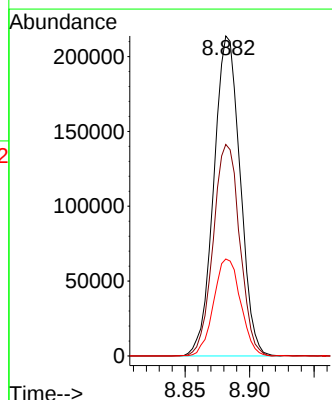
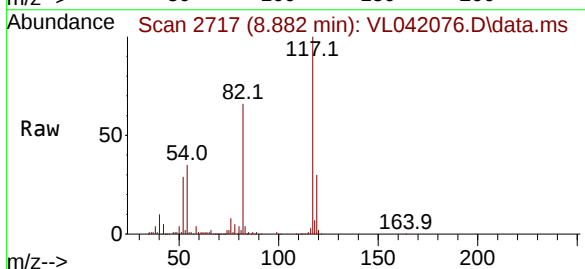
Tgt Ion: 117 Resp: 302717

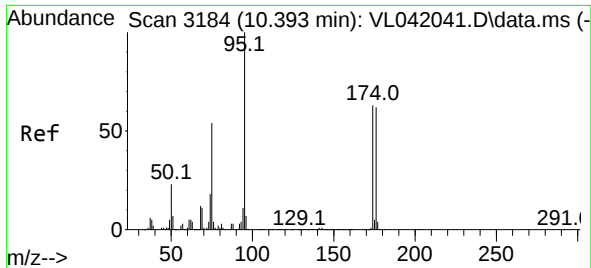
Ion Ratio Lower Upper

117 100

82 66.7 55.0 82.6

119 31.1 25.9 38.9





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.624 ppbv
 RT: 10.377 min Scan# 31
 Delta R.T. -0.016 min
 Lab File: VL042076.D
 Acq: 03 Mar 2025 14:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0303ABL01

Tgt Ion: 95 Resp: 224142
 Ion Ratio Lower Upper
 95 100
 174 62.6 51.8 77.6
 175 4.4 3.9 5.9

