

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030325\
 Data File : VL042090.D
 Acq On : 03 Mar 2025 22:02
 Operator : SY/MD
 Sample : QC022625 CAN 10746
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC022625 CAN 10746

Quant Time: Mar 04 00:24:43 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)

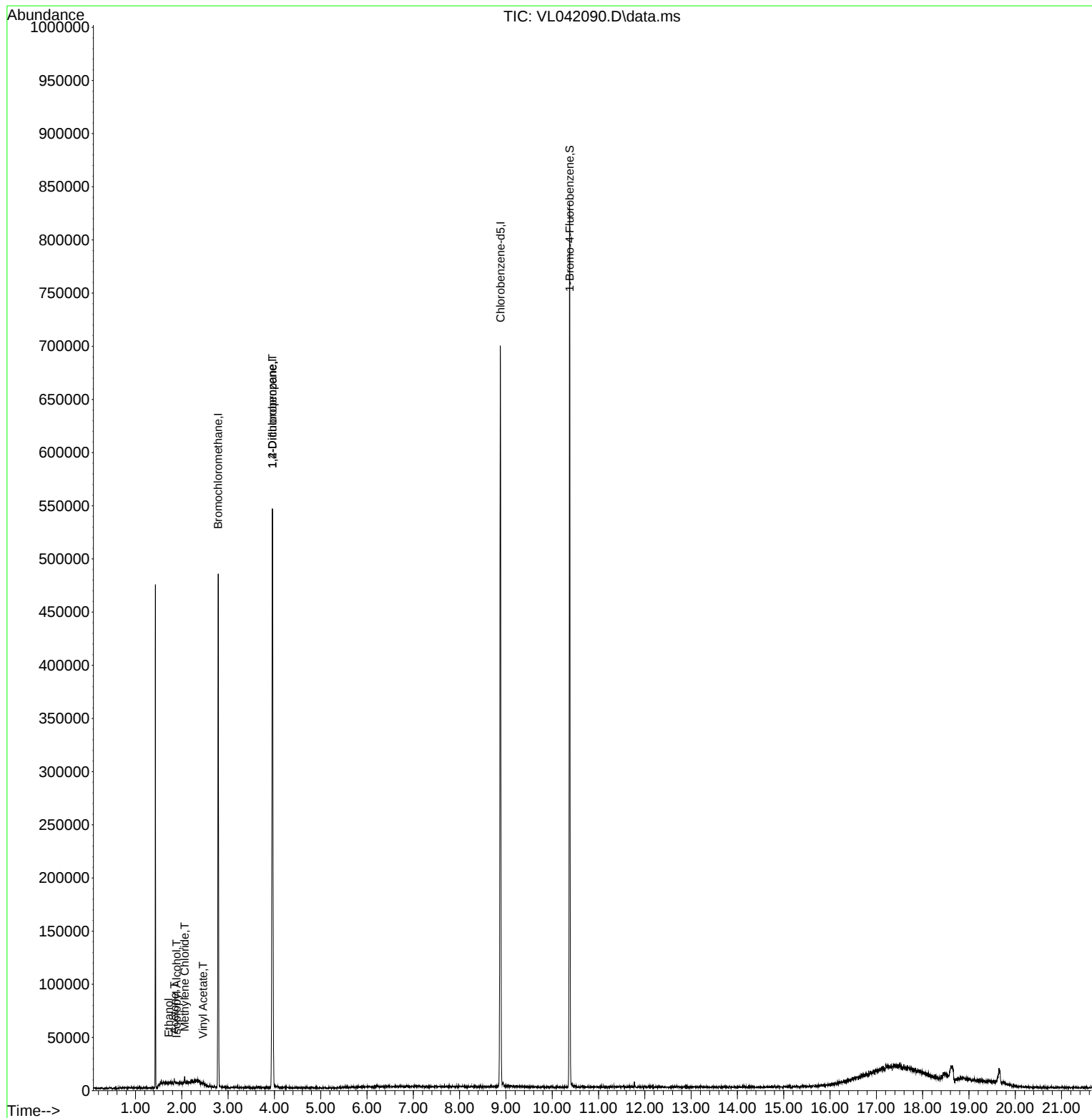
Internal Standards						
1) Bromochloromethane	2.787	49	146067	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	3.959	114	315381	10.000	ppbv	-0.02
55) Chlorobenzene-d5	8.882	117	272704	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	202629	9.658	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.600%
Target Compounds						
					Qvalue	
13) Ethanol	1.716	45	170	0.310	ppbv #	33
15) Acetone	1.839	43	1658	0.129	ppbv #	86
19) Isopropyl Alcohol	1.887	45	409	0.055	ppbv #	32
20) Methylene Chloride	2.062	84	737	0.151	ppbv #	78
23) Vinyl Acetate	2.457	43	436	0.048	ppbv #	77
39) 1,2-Dichloropropane	3.959	63	82566	6.589	ppbv #	23

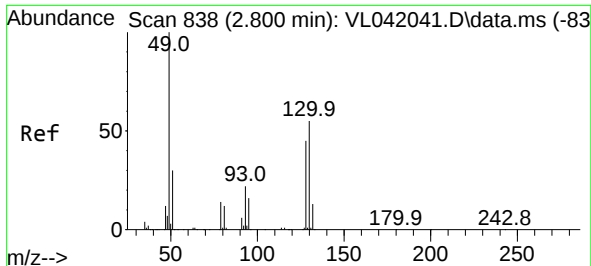
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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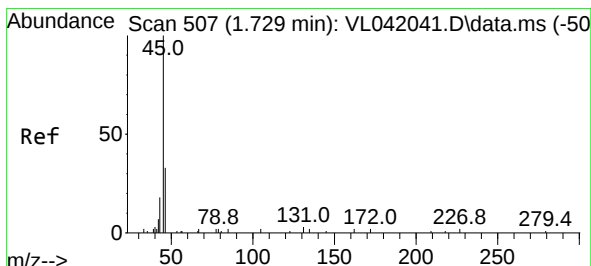
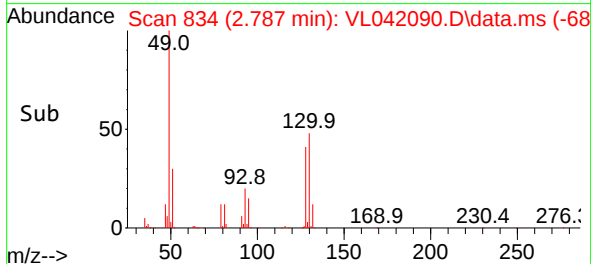
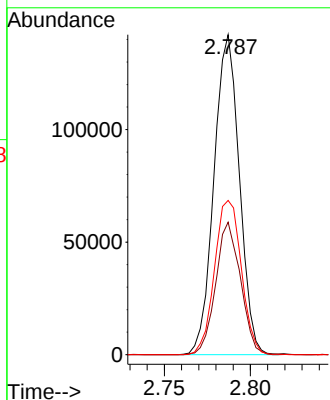
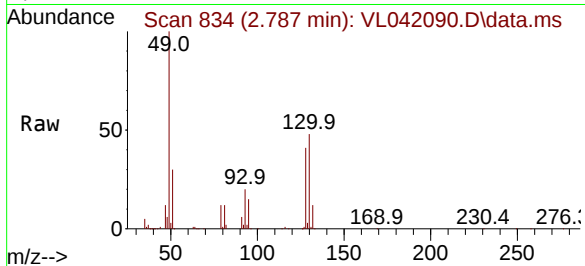




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. -0.013 min
Lab File: VL042090.D
Acq: 03 Mar 2025 22:02

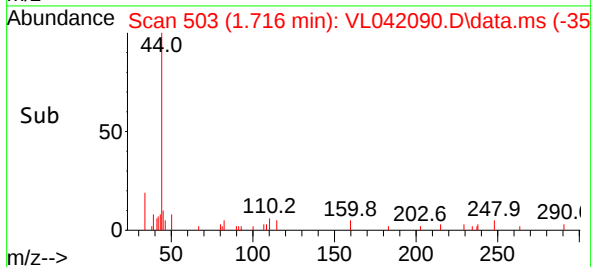
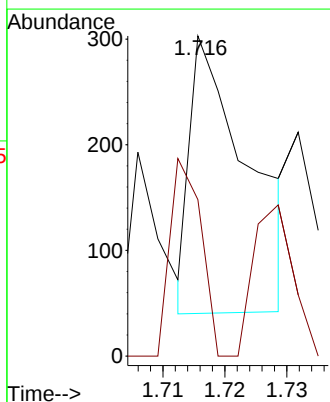
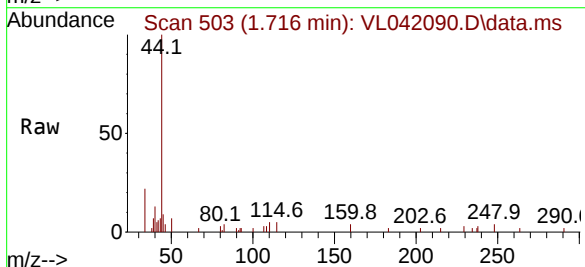
Instrument :
MSVOA_L
ClientSampleId :
QC022625 CAN 10746

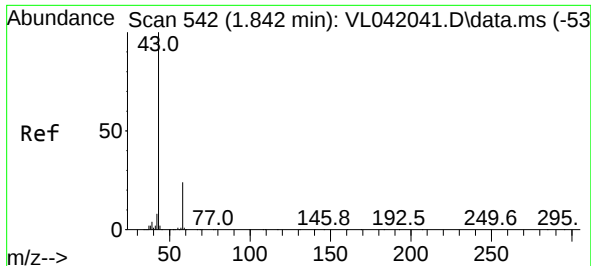
Tgt Ion: 49 Resp: 146067
Ion Ratio Lower Upper
49 100
128 40.4 21.6 64.8
130 50.9 27.8 83.4



#13
Ethanol
Concen: 0.310 ppbv
RT: 1.716 min Scan# 503
Delta R.T. -0.013 min
Lab File: VL042090.D
Acq: 03 Mar 2025 22:02

Tgt Ion: 45 Resp: 170
Ion Ratio Lower Upper
45 100
46 0.0 17.1 68.3#

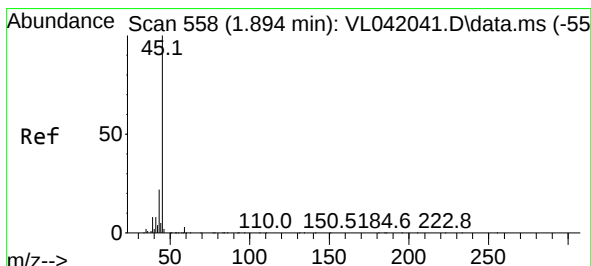
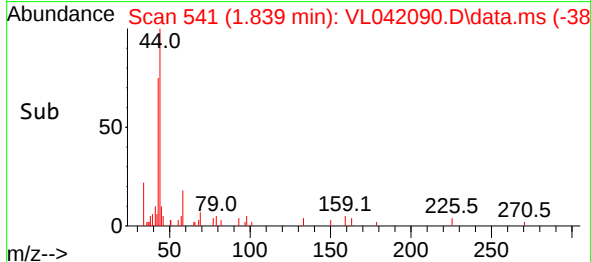
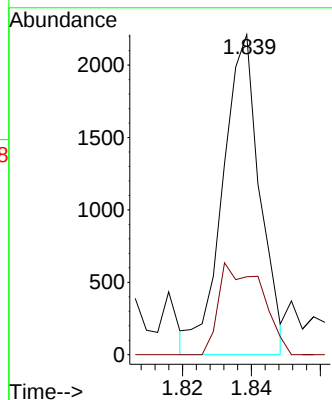
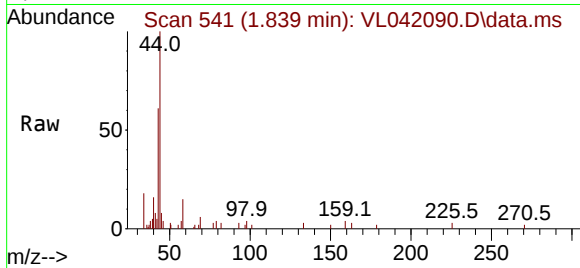




#15
Acetone
Concen: 0.129 ppbv
RT: 1.839 min Scan# 541
Delta R.T. -0.003 min
Lab File: VL042090.D
Acq: 03 Mar 2025 22:02

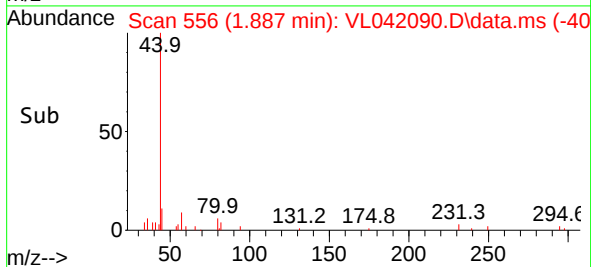
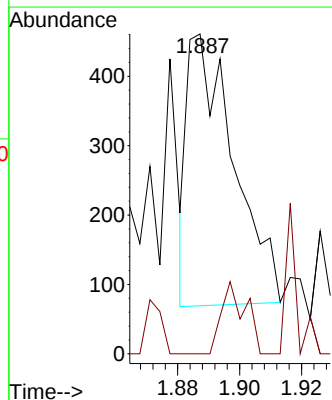
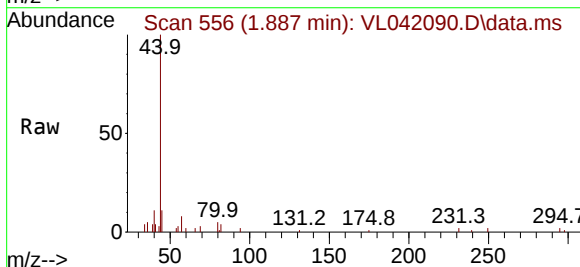
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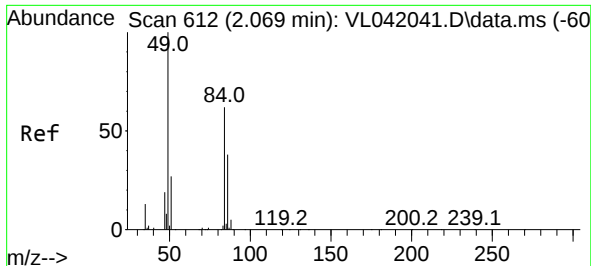
Tgt Ion: 43 Resp: 1658
Ion Ratio Lower Upper
43 100
58 33.0 20.7 31.1#



#19
Isopropyl Alcohol
Concen: 0.055 ppbv
RT: 1.887 min Scan# 556
Delta R.T. -0.007 min
Lab File: VL042090.D
Acq: 03 Mar 2025 22:02

Tgt Ion: 45 Resp: 409
Ion Ratio Lower Upper
45 100
58 0.0 35.3 52.9#

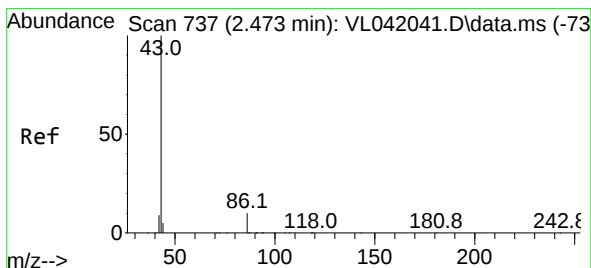
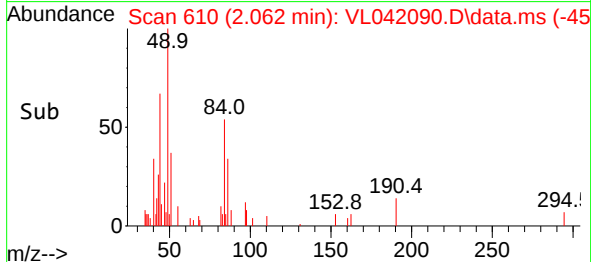
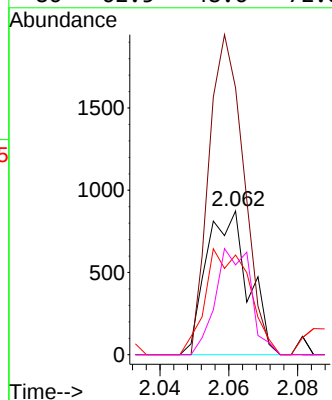
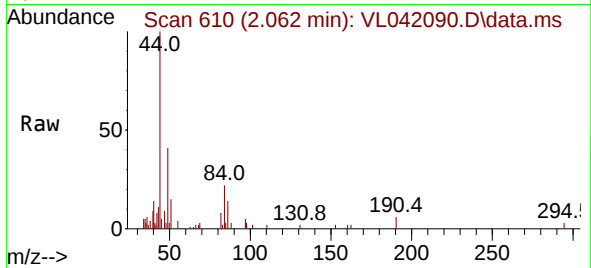




#20
Methylene Chloride
Concen: 0.151 ppbv
RT: 2.062 min Scan# 612
Delta R.T. -0.007 min
Lab File: VL042090.D
Acq: 03 Mar 2025 22:02

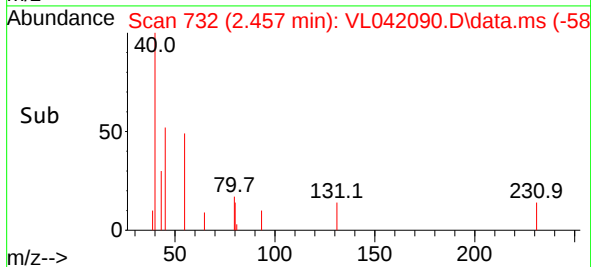
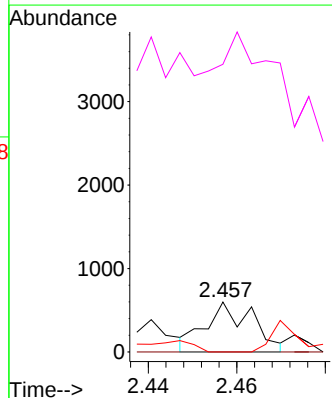
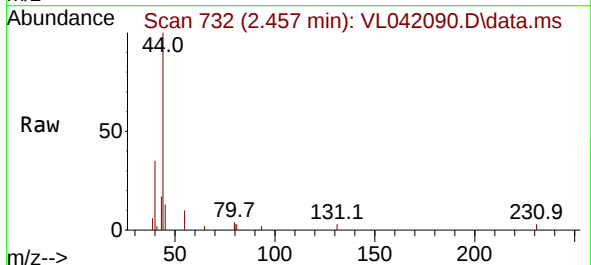
Instrument :
MSVOA_L
ClientSampleId :
QC022625 CAN 10746

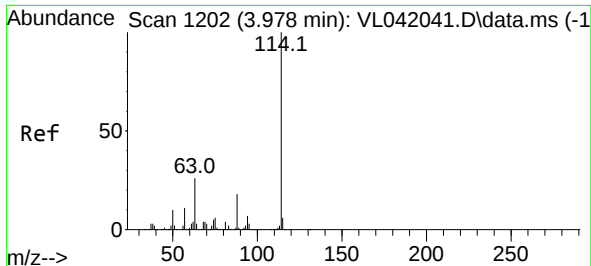
Tgt Ion: 84 Resp: 737
Ion Ratio Lower Upper
84 100
49 197.7 130.0 195.0#
51 69.3 37.4 56.0#
86 62.5 48.6 72.8



#23
Vinyl Acetate
Concen: 0.048 ppbv
RT: 2.457 min Scan# 732
Delta R.T. -0.016 min
Lab File: VL042090.D
Acq: 03 Mar 2025 22:02

Tgt Ion: 43 Resp: 436
Ion Ratio Lower Upper
43 100
86 0.0 7.0 10.4#
42 0.0 7.6 11.4#
44 0.0 5.0 7.4#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. -0.020 min

Lab File: VL042090.D

Acq: 03 Mar 2025 22:02

Instrument :

MSVOA_L

ClientSampleId :

QC022625 CAN 10746

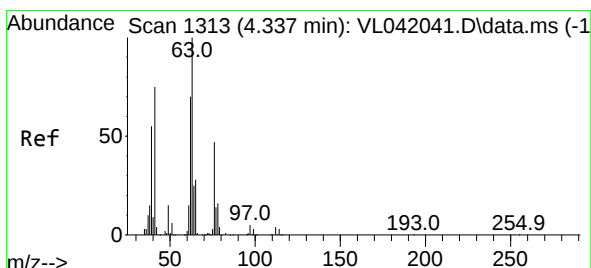
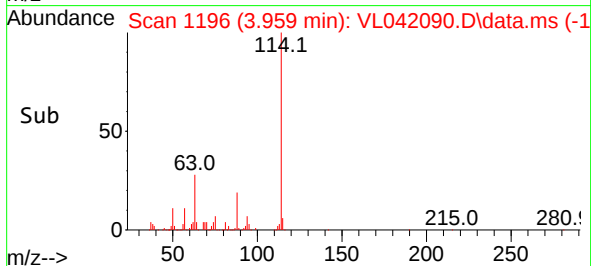
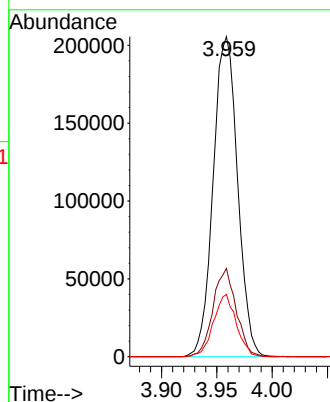
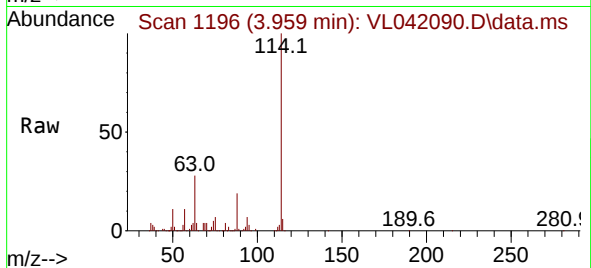
Tgt Ion:114 Resp: 315381

Ion Ratio Lower Upper

114 100

63 26.2 20.1 30.1

88 18.2 14.3 21.5



#39

1,2-Dichloropropane

Concen: 6.589 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. -0.379 min

Lab File: VL042090.D

Acq: 03 Mar 2025 22:02

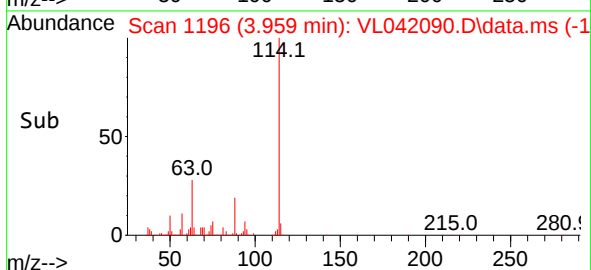
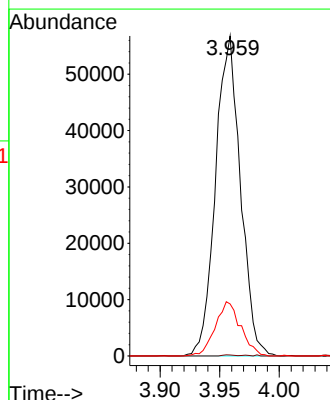
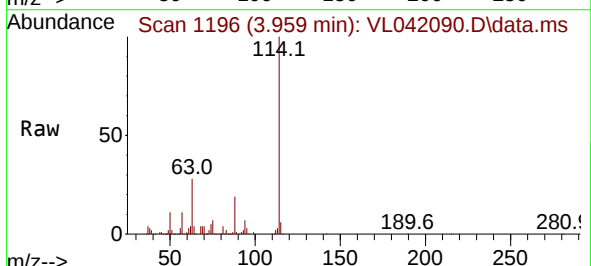
Tgt Ion: 63 Resp: 82566

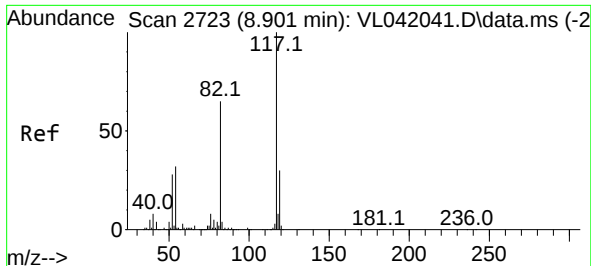
Ion Ratio Lower Upper

63 100

41 0.3 60.1 90.1#

62 16.2 55.8 83.8#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.882 min Scan# 21

Delta R.T. -0.020 min

Lab File: VL042090.D

Acq: 03 Mar 2025 22:02

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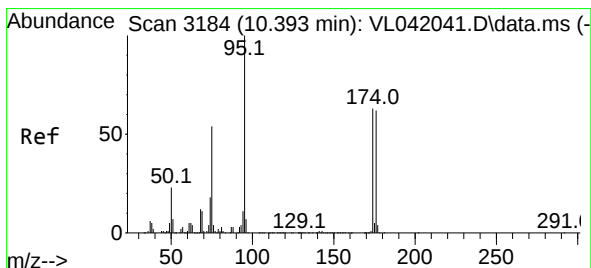
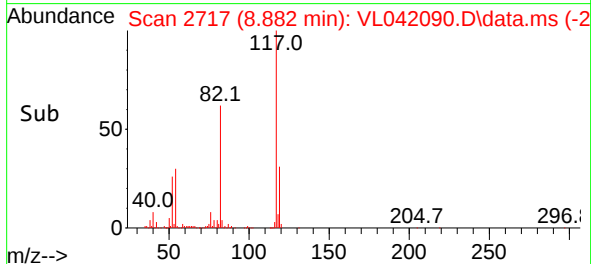
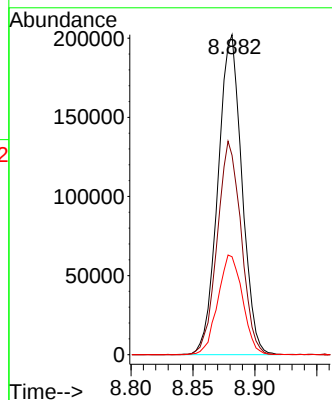
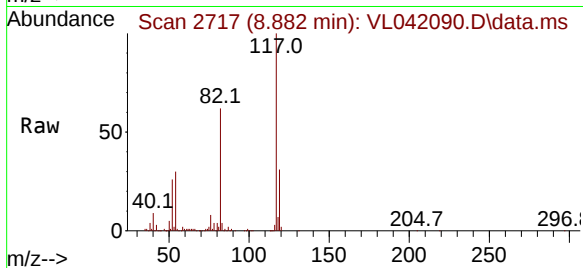
Tgt Ion:117 Resp: 272704

Ion Ratio Lower Upper

117 100

82 66.9 55.0 82.6

119 32.2 25.9 38.9



#68

1-Bromo-4-Fluorobenzene

Concen: 9.658 ppbv

RT: 10.374 min Scan# 3178

Delta R.T. -0.020 min

Lab File: VL042090.D

Acq: 03 Mar 2025 22:02

Tgt Ion: 95 Resp: 202629

Ion Ratio Lower Upper

95 100

174 62.7 51.8 77.6

175 4.3 3.9 5.9

