

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070325\
 Data File : VL042702.D
 Acq On : 03 Jul 2025 10:38
 Operator : SY/MD
 Sample : QC063025 CAN 10606
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC063025 CAN 10606

Quant Time: Jul 04 03:55:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL070225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jul 03 01:50:16 2025
 Response via : Initial Calibration

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

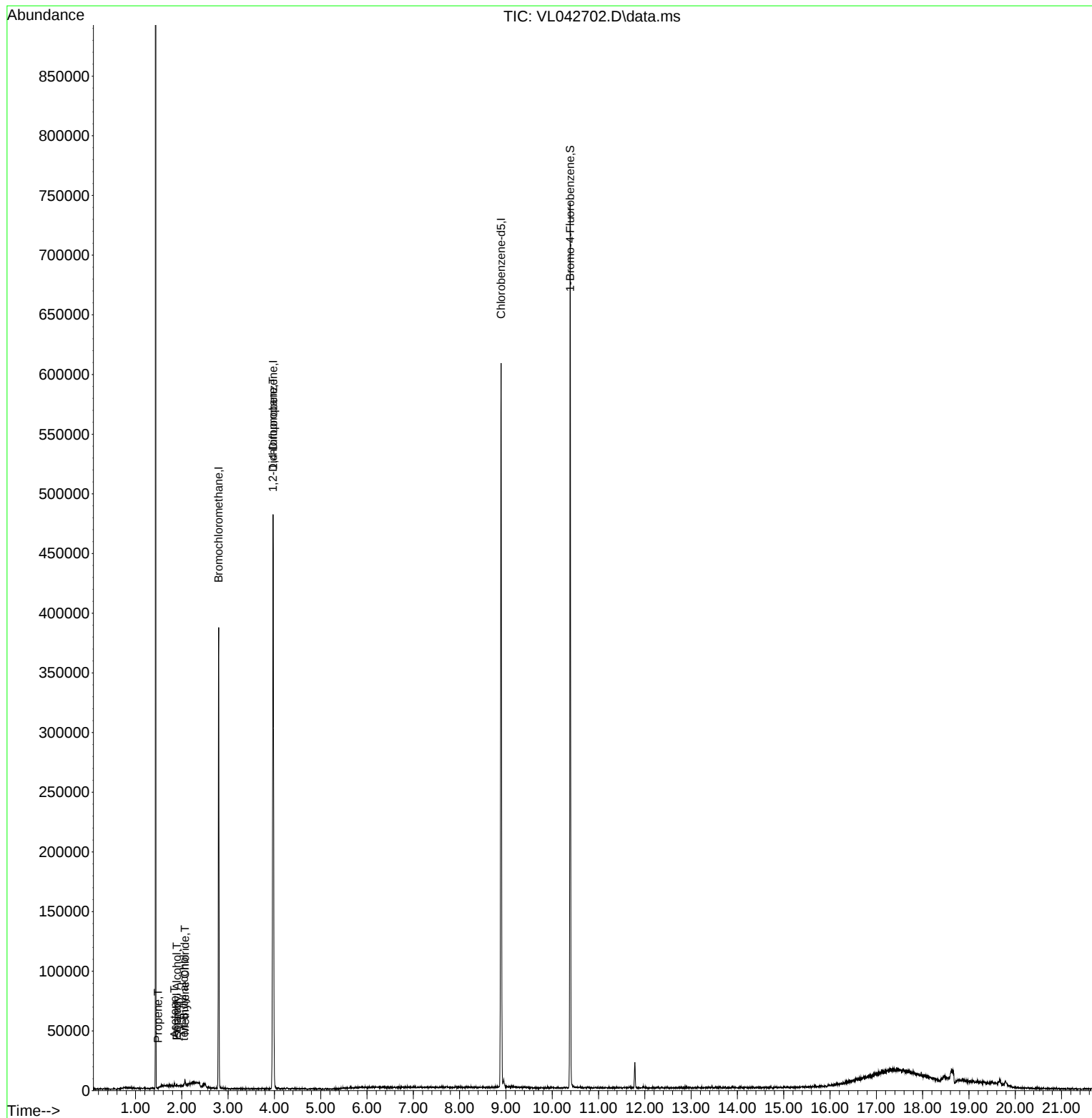
Internal Standards						
1) Bromochloromethane	2.797	49	115729	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.971	114	286481	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.894	117	247417	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.386	95	184216	9.680	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.800%
Target Compounds						
					Qvalue	
9) Propene	1.489	41	208	0.031	ppbv #	40
13) Ethanol	1.890	45	337	0.515	ppbv #	37
15) Acetone	1.842	43	1071	0.093	ppbv #	82
17) tert-Butyl alcohol	2.049	59	474	0.042	ppbv #	93
19) Isopropyl Alcohol	1.890	45	337	0.051	ppbv #	1
20) Methylene Chloride	2.068	84	832	0.190	ppbv #	75
39) 1,2-Dichloropropane	3.968	63	72950	6.478	ppbv #	21

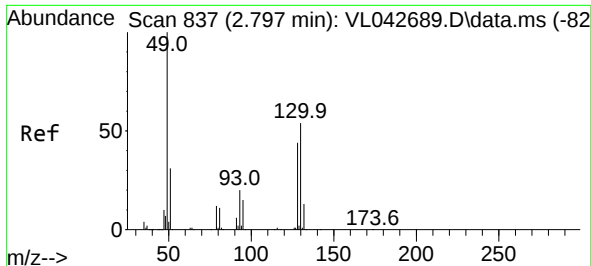
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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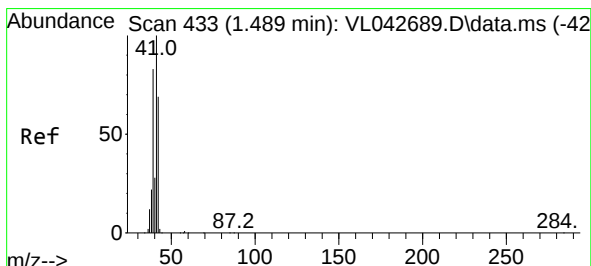
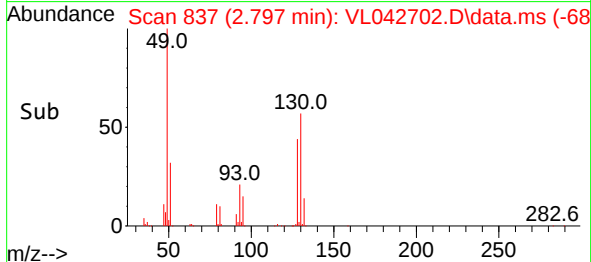
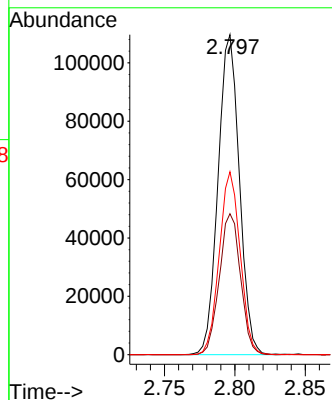
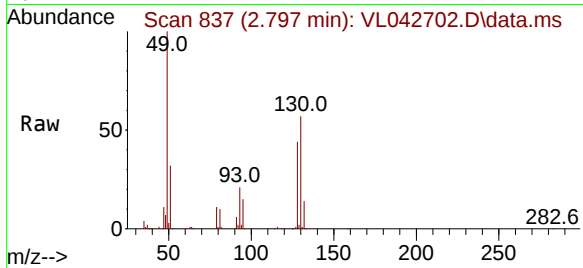




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL042702.D
Acq: 03 Jul 2025 10:38

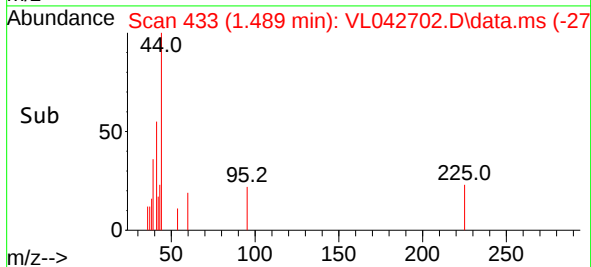
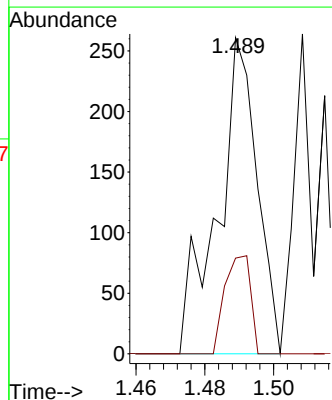
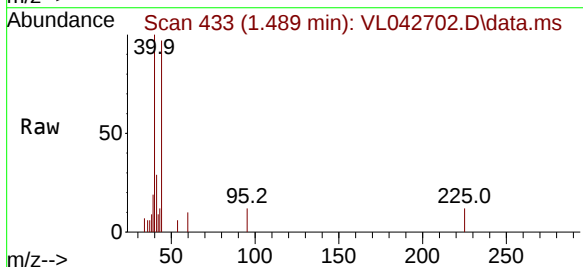
Instrument :
MSVOA_L
ClientSampleId :
QC063025 CAN 10606

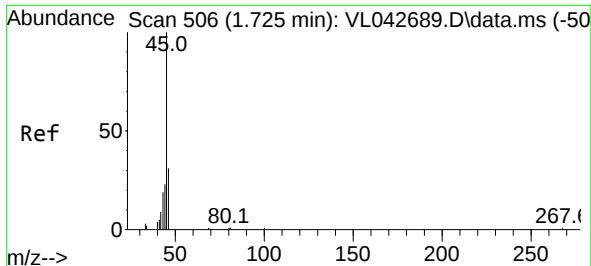
Tgt Ion: 49 Resp: 115729
Ion Ratio Lower Upper
49 100
128 43.8 21.4 64.2
130 55.9 28.0 84.0



#9
Propene
Concen: 0.031 ppbv
RT: 1.489 min Scan# 433
Delta R.T. -0.000 min
Lab File: VL042702.D
Acq: 03 Jul 2025 10:38

Tgt Ion: 41 Resp: 208
Ion Ratio Lower Upper
41 100
42 20.2 55.6 83.4#

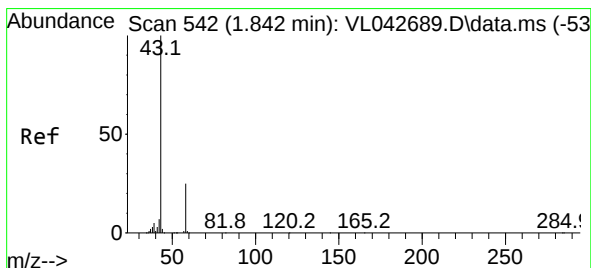
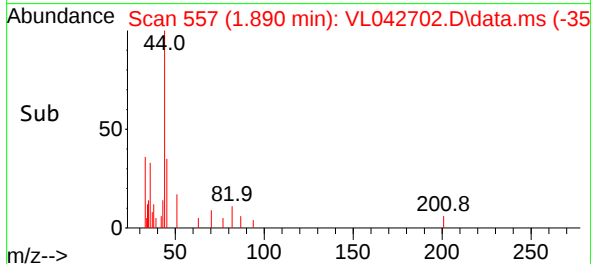
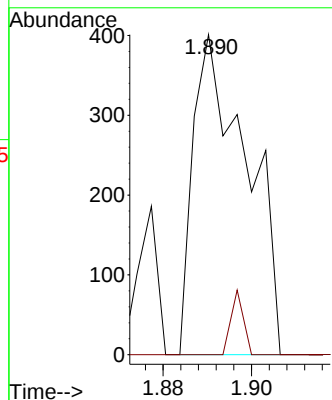
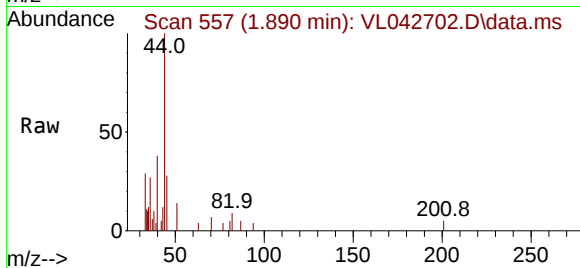




#13
 Ethanol
 Concen: 0.515 ppbv
 RT: 1.890 min Scan# 51
 Delta R.T. 0.165 min
 Lab File: VL042702.D
 Acq: 03 Jul 2025 10:38

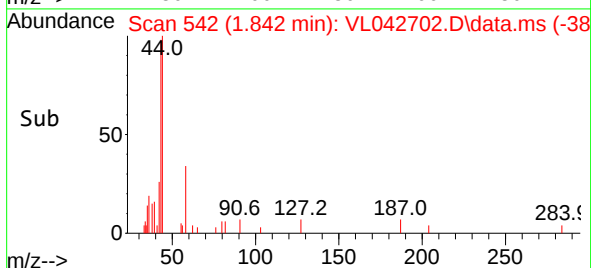
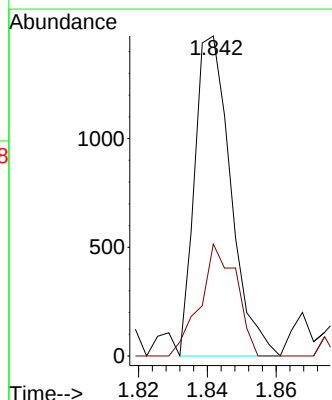
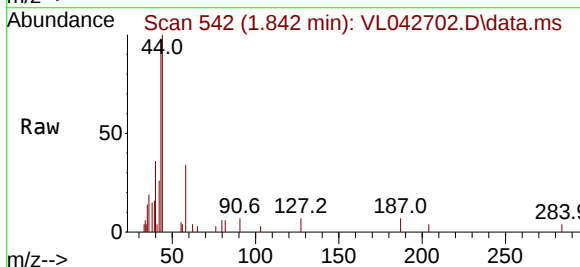
Instrument :
 MSVOA_L
 ClientSampleId :
 QC063025 CAN 10606

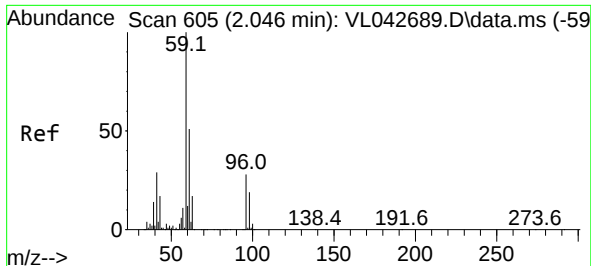
Tgt Ion: 45 Resp: 337
 Ion Ratio Lower Upper
 45 100
 46 0.0 15.2 60.8#



#15
 Acetone
 Concen: 0.093 ppbv
 RT: 1.842 min Scan# 542
 Delta R.T. -0.000 min
 Lab File: VL042702.D
 Acq: 03 Jul 2025 10:38

Tgt Ion: 43 Resp: 1071
 Ion Ratio Lower Upper
 43 100
 58 35.0 20.6 31.0#





#17

tert-Butyl alcohol

Concen: 0.042 ppbv

RT: 2.049 min Scan# 605

Delta R.T. 0.003 min

Lab File: VL042702.D

Acq: 03 Jul 2025 10:38

Instrument :

MSVOA_L

ClientSampleId :

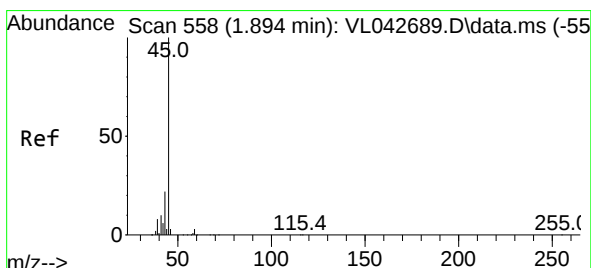
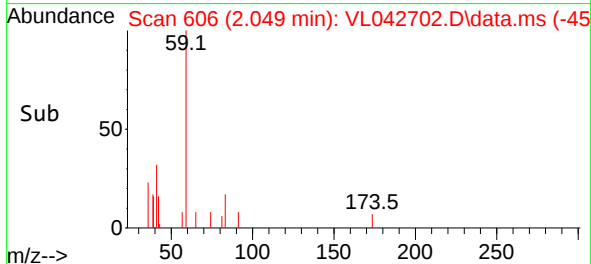
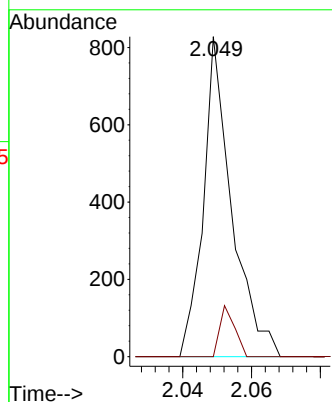
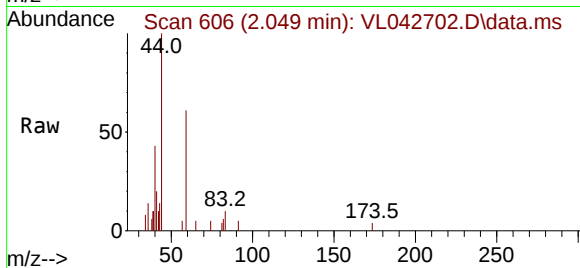
QC063025 CAN 10606

Tgt Ion: 59 Resp: 474

Ion Ratio Lower Upper

59 100

57 8.2 8.8 13.2#



#19

Isopropyl Alcohol

Concen: 0.051 ppbv

RT: 1.890 min Scan# 557

Delta R.T. -0.003 min

Lab File: VL042702.D

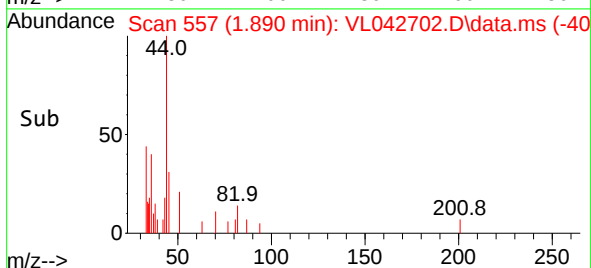
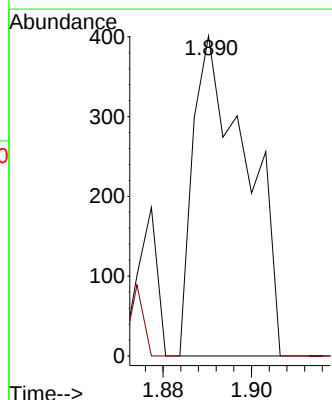
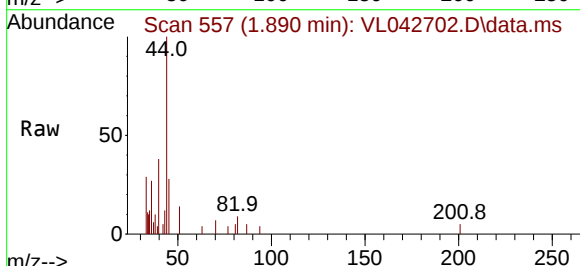
Acq: 03 Jul 2025 10:38

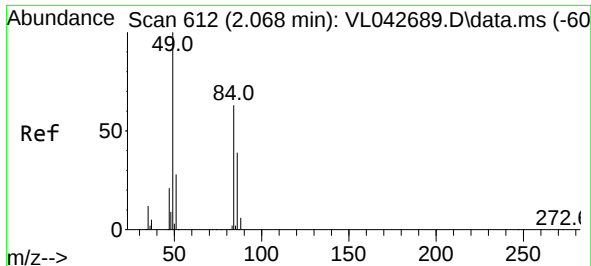
Tgt Ion: 45 Resp: 337

Ion Ratio Lower Upper

45 100

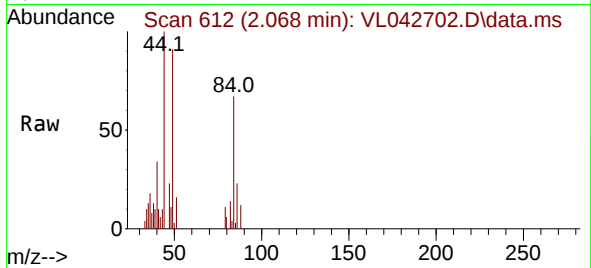
58 111.3 1.4 2.2#



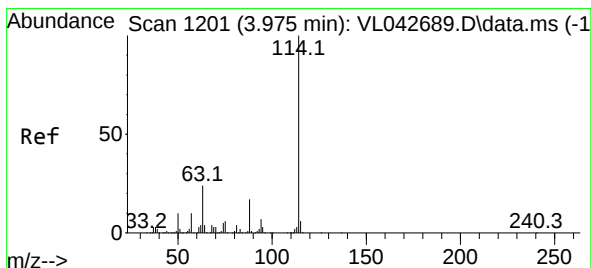
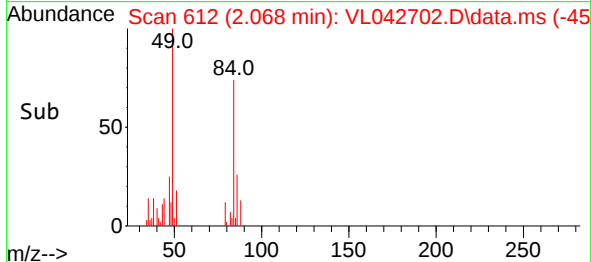
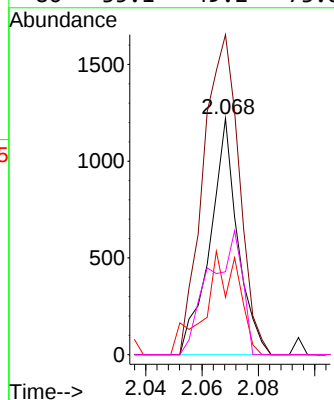


#20
Methylene Chloride
Concen: 0.190 ppbv
RT: 2.068 min Scan# 61
Delta R.T. -0.000 min
Lab File: VL042702.D
Acq: 03 Jul 2025 10:38

Instrument :
MSVOA_L
ClientSampleId :
QC063025 CAN 10606

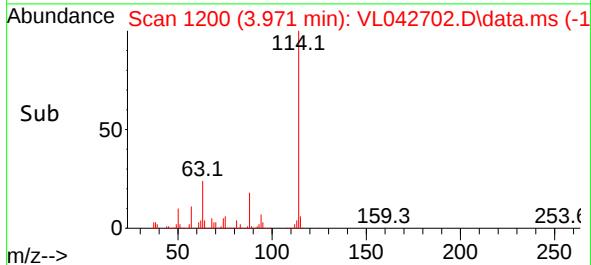
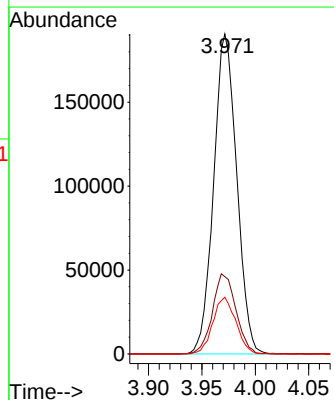
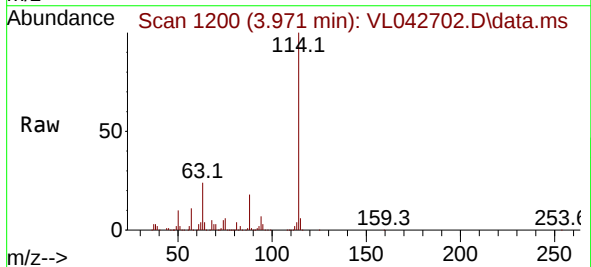


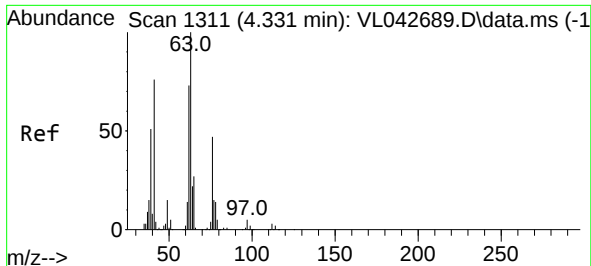
Tgt Ion:	84	Resp:	832
Ion	Ratio	Lower	Upper
84	100		
49	135.5	128.6	193.0
51	24.3	37.4	56.2#
86	35.1	49.2	73.8#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.971 min Scan# 1200
Delta R.T. -0.003 min
Lab File: VL042702.D
Acq: 03 Jul 2025 10:38

Tgt Ion:	114	Resp:	286481
Ion	Ratio	Lower	Upper
114	100		
63	25.5	20.4	30.6
88	17.7	14.2	21.2





#39

1,2-Dichloropropane

Concen: 6.478 ppbv

RT: 3.968 min Scan# 1199

Delta R.T. -0.363 min

Lab File: VL042702.D

Acq: 03 Jul 2025 10:38

Instrument :

MSVOA_L

ClientSampleId :

QC063025 CAN 10606

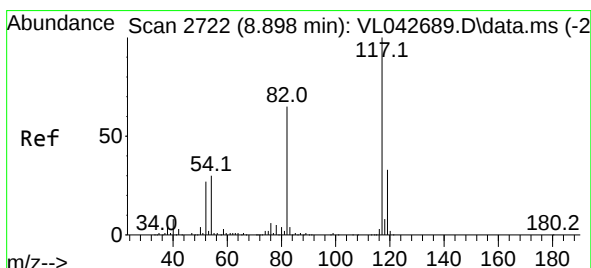
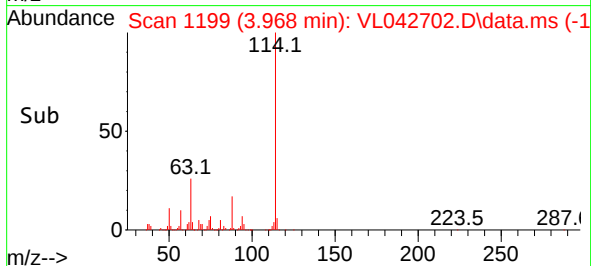
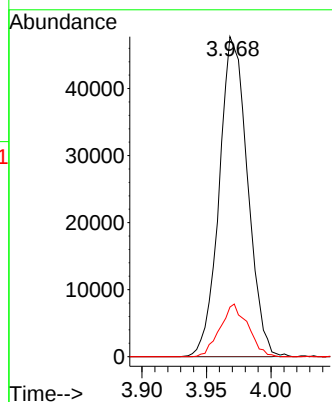
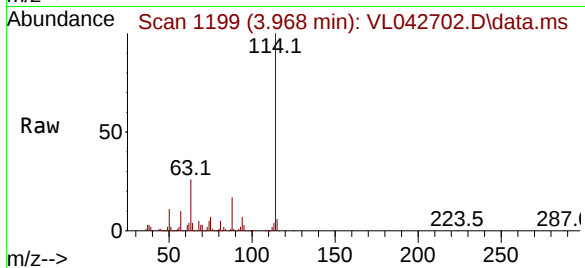
Tgt Ion: 63 Resp: 72950

Ion Ratio Lower Upper

63 100

41 0.0 60.8 91.2#

62 15.5 58.6 87.8#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.894 min Scan# 2721

Delta R.T. -0.003 min

Lab File: VL042702.D

Acq: 03 Jul 2025 10:38

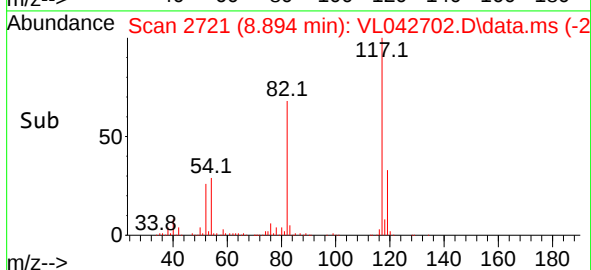
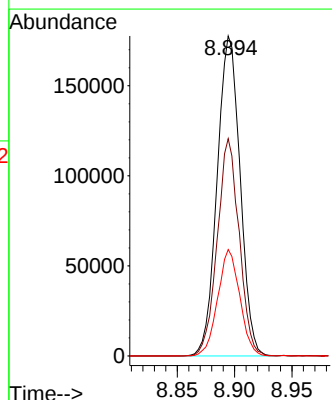
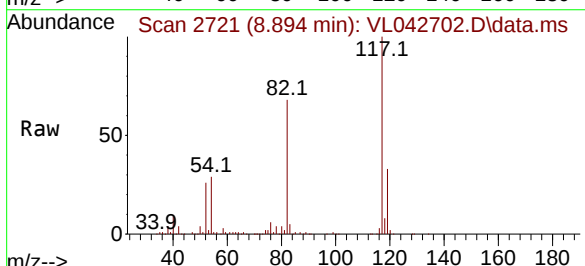
Tgt Ion: 117 Resp: 247417

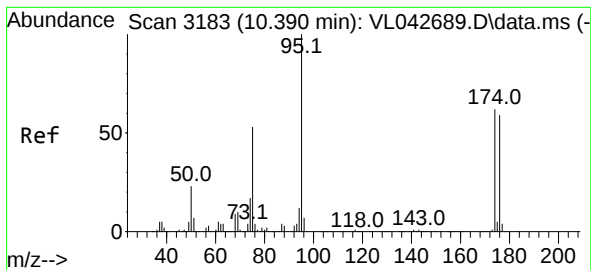
Ion Ratio Lower Upper

117 100

82 64.8 53.4 80.2

119 32.1 26.6 39.8





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.680 ppbv
 RT: 10.386 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VL042702.D
 Acq: 03 Jul 2025 10:38

Instrument :
 MSVOA_L
 ClientSampleId :
 QC063025 CAN 10606

Tgt Ion: 95 Resp: 184216
 Ion Ratio Lower Upper
 95 100
 174 64.1 51.2 76.8
 175 4.6 3.8 5.8

