

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061625\
 Data File : VL042625.D
 Acq On : 16 Jun 2025 12:53
 Operator : SY/MD
 Sample : QC061125 CAN 10329
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC061125 CAN 10329

Quant Time: Jun 17 03:04:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 30 02:01:56 2025
 Response via : Initial Calibration

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

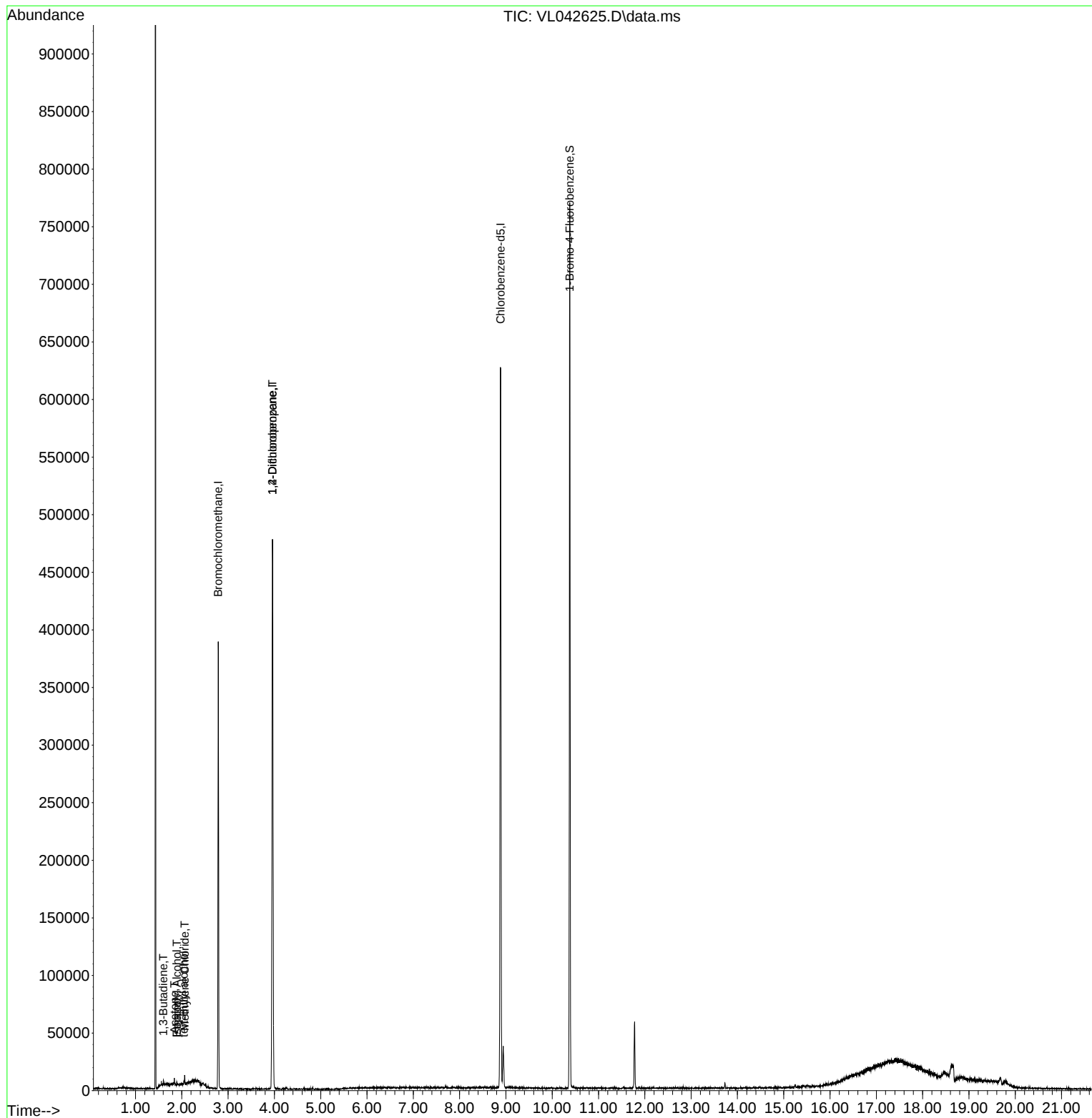
Internal Standards						
1) Bromochloromethane	2.787	49	110636	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	290251	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	257358	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	192779	9.993	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.900%
Target Compounds						
					Qvalue	
13) Ethanol	1.890	45	318	0.354	ppbv #	39
15) Acetone	1.839	43	2328	0.175	ppbv #	87
16) 1,3-Butadiene	1.602	39	594	0.094	ppbv #	60
17) tert-Butyl alcohol	2.046	59	761	0.055	ppbv	97
19) Isopropyl Alcohol	1.890	45	318	0.040	ppbv #	1
20) Methylene Chloride	2.062	84	971	0.221	ppbv #	74
39) 1,2-Dichloropropane	3.959	63	72824	6.890	ppbv #	21

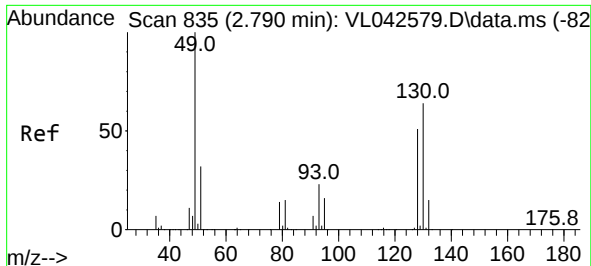
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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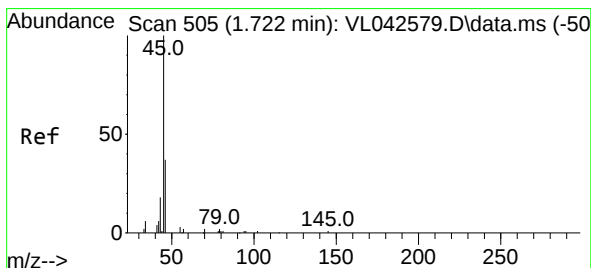
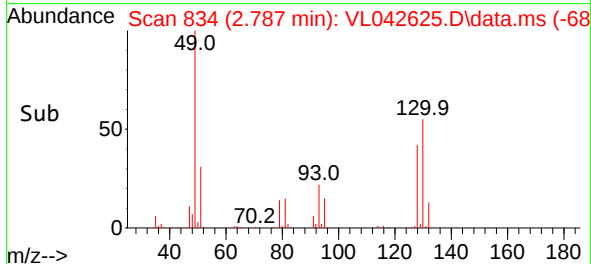
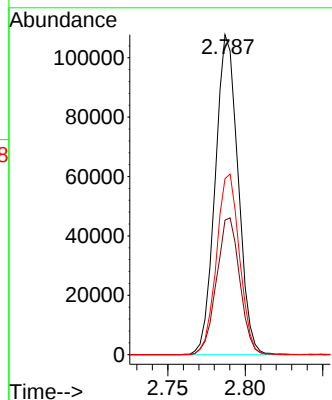
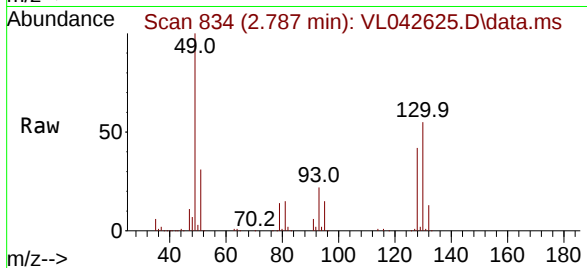




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL042625.D
Acq: 16 Jun 2025 12:53

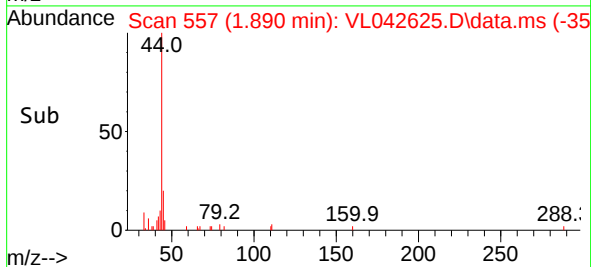
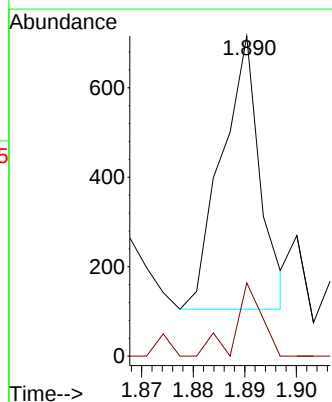
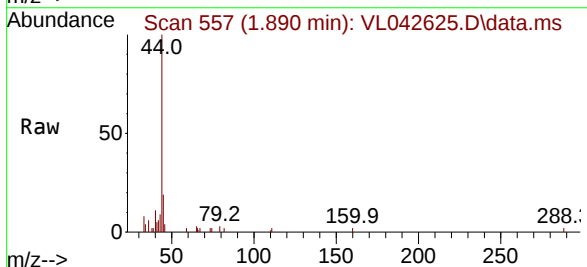
Instrument :
MSVOA_L
ClientSampleId :
QC061125 CAN 10329

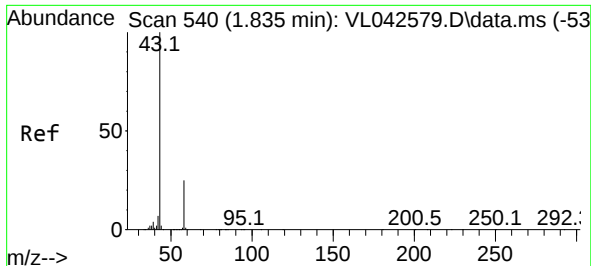
Tgt Ion: 49 Resp: 110636
Ion Ratio Lower Upper
49 100
128 43.7 24.2 72.6
130 56.9 30.4 91.2



#13
Ethanol
Concen: 0.354 ppbv
RT: 1.890 min Scan# 557
Delta R.T. 0.168 min
Lab File: VL042625.D
Acq: 16 Jun 2025 12:53

Tgt Ion: 45 Resp: 318
Ion Ratio Lower Upper
45 100
46 0.0 14.5 58.1#





#15

Acetone

Concen: 0.175 ppbv

RT: 1.839 min Scan# 540

Delta R.T. 0.003 min

Lab File: VL042625.D

Acq: 16 Jun 2025 12:53

Instrument :

MSVOA_L

ClientSampleId :

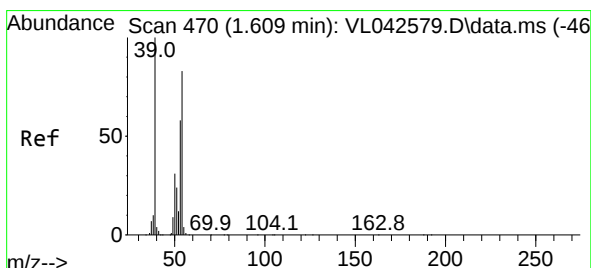
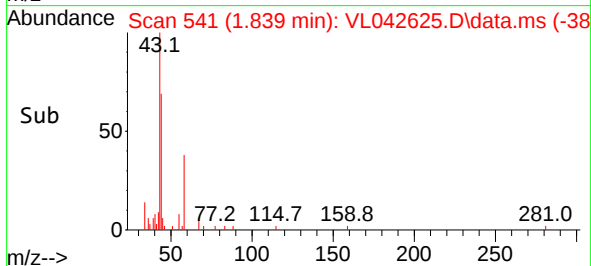
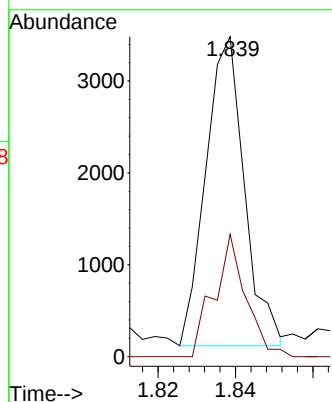
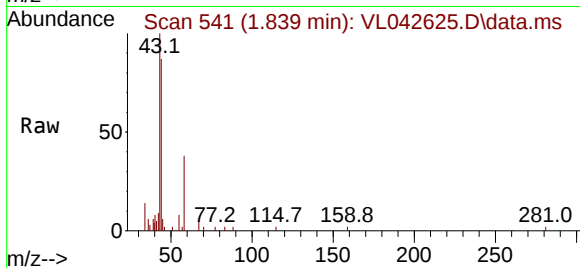
QC061125 CAN 10329

Tgt Ion: 43 Resp: 2328

Ion Ratio Lower Upper

43 100

58 32.6 21.0 31.4#



#16

1,3-Butadiene

Concen: 0.094 ppbv

RT: 1.602 min Scan# 468

Delta R.T. -0.007 min

Lab File: VL042625.D

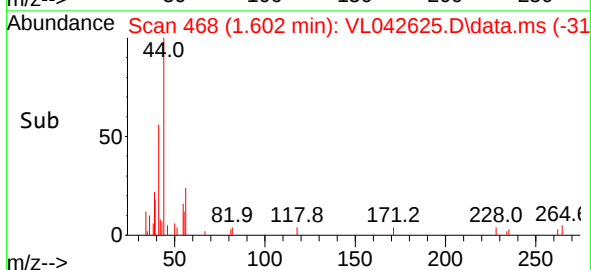
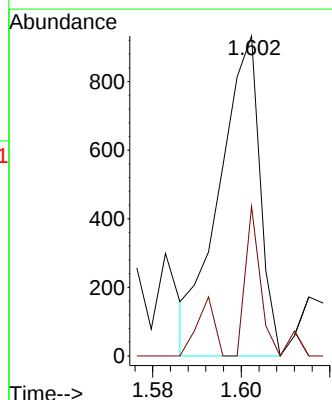
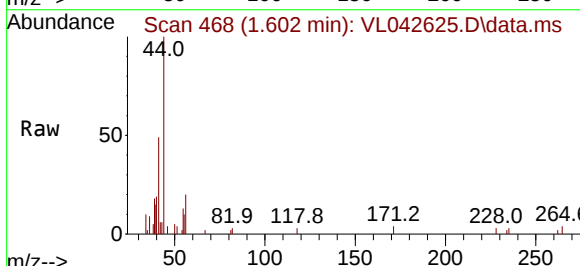
Acq: 16 Jun 2025 12:53

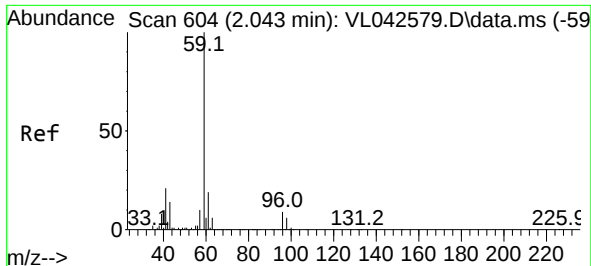
Tgt Ion: 39 Resp: 594

Ion Ratio Lower Upper

39 100

54 39.1 57.9 86.9#

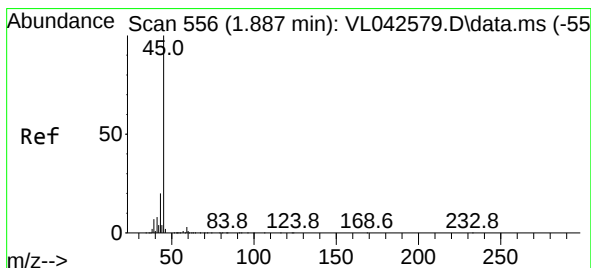
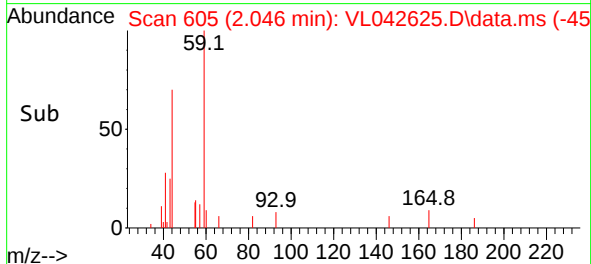
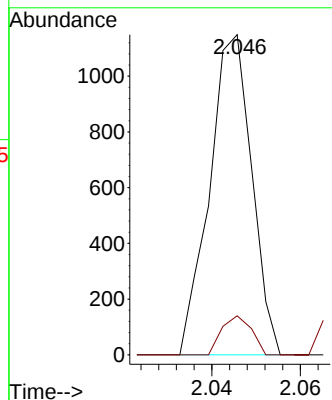
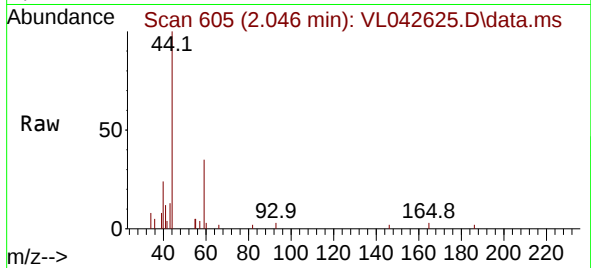




#17
tert-Butyl alcohol
Concen: 0.055 ppbv
RT: 2.046 min Scan# 604
Delta R.T. 0.003 min
Lab File: VL042625.D
Acq: 16 Jun 2025 12:53

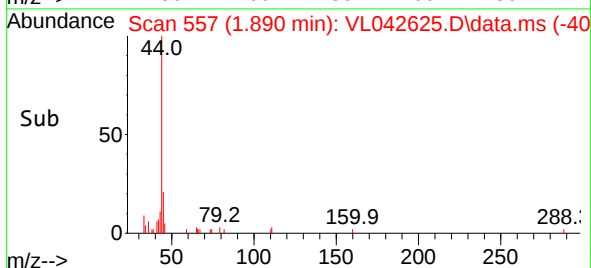
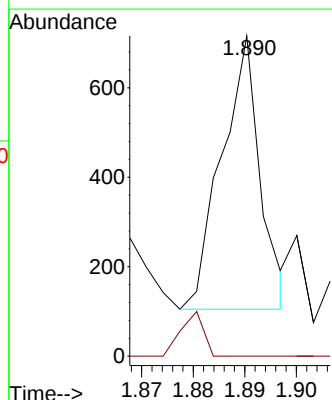
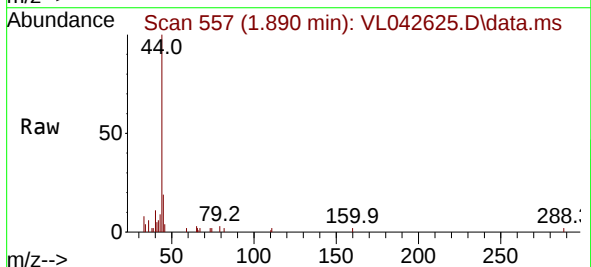
Instrument :
MSVOA_L
ClientSampleId :
QC061125 CAN 10329

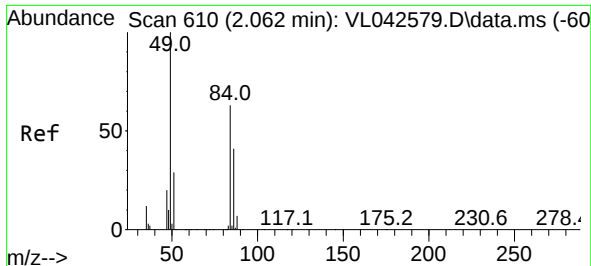
Tgt Ion: 59 Resp: 761
Ion Ratio Lower Upper
59 100
57 11.7 8.6 12.8



#19
Isopropyl Alcohol
Concen: 0.040 ppbv
RT: 1.890 min Scan# 557
Delta R.T. 0.003 min
Lab File: VL042625.D
Acq: 16 Jun 2025 12:53

Tgt Ion: 45 Resp: 318
Ion Ratio Lower Upper
45 100
58 239.0 29.4 44.2#

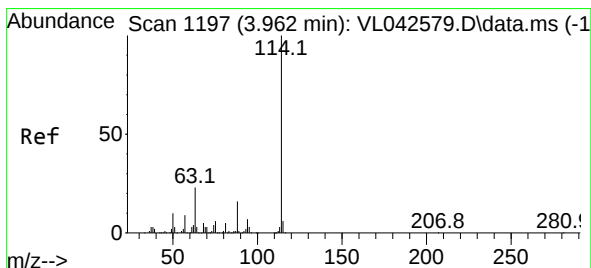
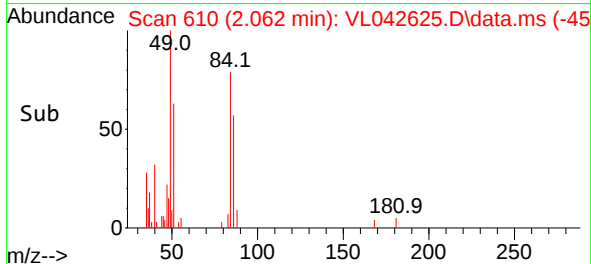
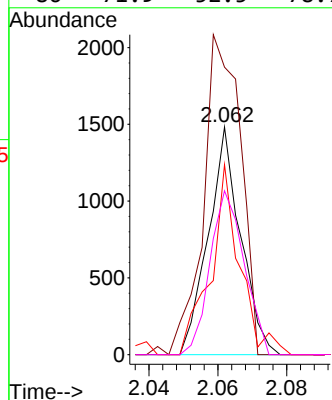
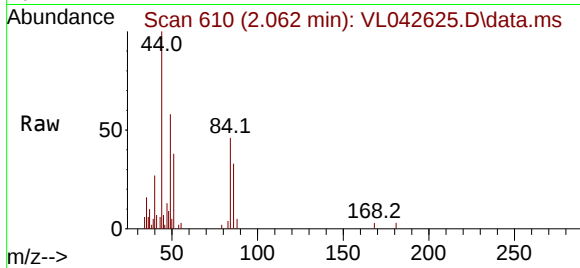




#20
Methylene Chloride
Concen: 0.221 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.000 min
Lab File: VL042625.D
Acq: 16 Jun 2025 12:53

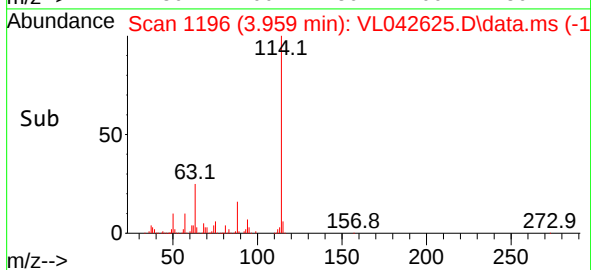
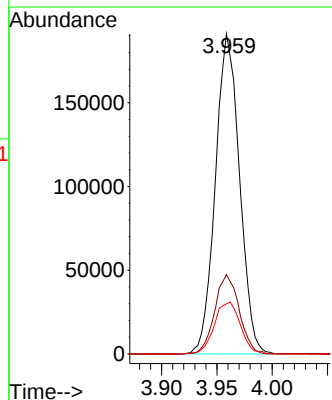
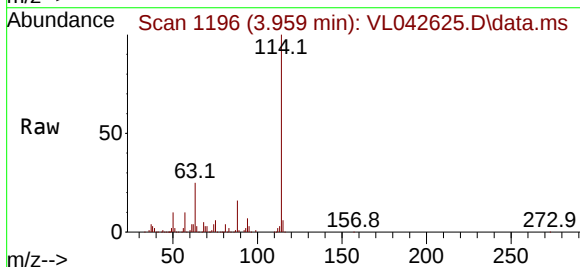
Instrument :
MSVOA_L
ClientSampleId :
QC061125 CAN 10329

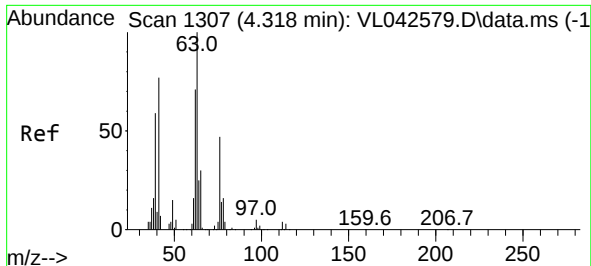
Tgt Ion:	84	Resp:	971
Ion	Ratio	Lower	Upper
84	100		
49	126.2	128.8	193.2#
51	83.5	38.6	57.8#
86	71.9	52.5	78.7



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. -0.003 min
Lab File: VL042625.D
Acq: 16 Jun 2025 12:53

Tgt Ion:	114	Resp:	290251
Ion	Ratio	Lower	Upper
114	100		
63	25.1	19.0	28.6
88	17.4	13.6	20.4





#39

1,2-Dichloropropane

Concen: 6.890 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. -0.359 min

Lab File: VL042625.D

Acq: 16 Jun 2025 12:53

Instrument :

MSVOA_L

ClientSampleId :

QC061125 CAN 10329

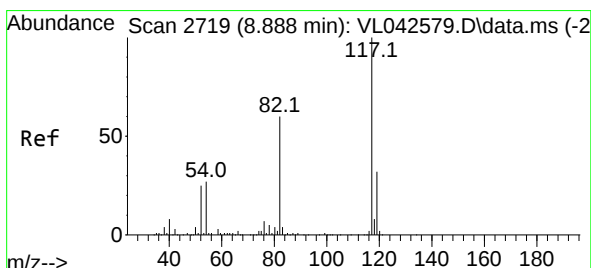
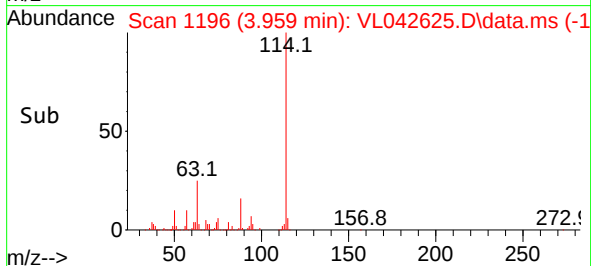
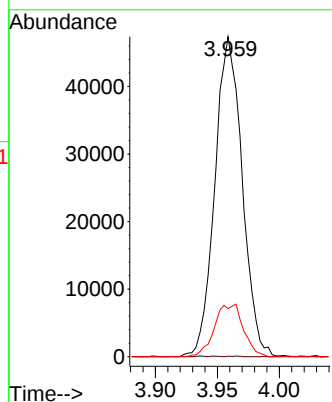
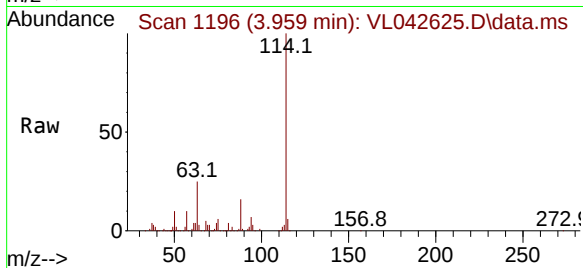
Tgt Ion: 63 Resp: 72824

Ion Ratio Lower Upper

63 100

41 0.2 61.8 92.6#

62 15.0 56.6 85.0#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.885 min Scan# 2718

Delta R.T. -0.003 min

Lab File: VL042625.D

Acq: 16 Jun 2025 12:53

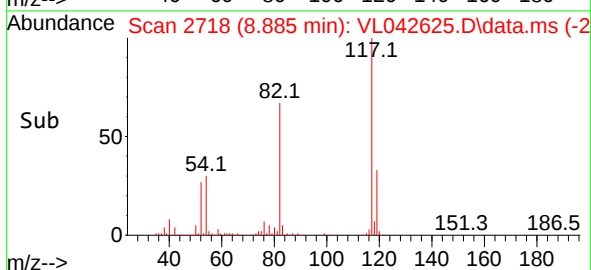
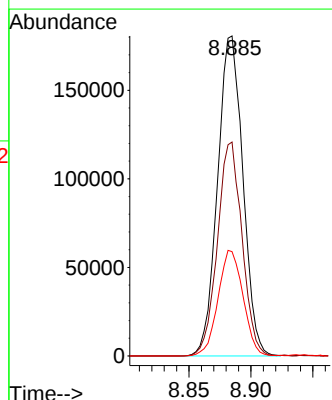
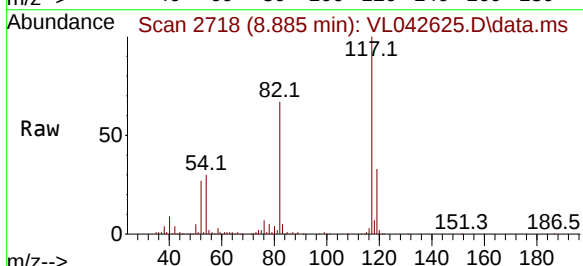
Tgt Ion: 117 Resp: 257358

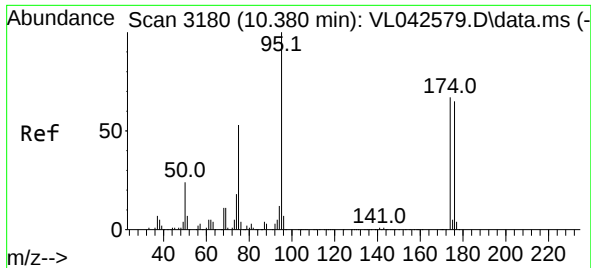
Ion Ratio Lower Upper

117 100

82 65.2 51.2 76.8

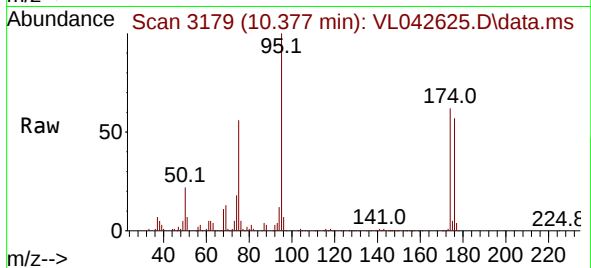
119 32.6 26.3 39.5





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.993 ppbv
 RT: 10.377 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VL042625.D
 Acq: 16 Jun 2025 12:53

Instrument :
 MSVOA_L
 ClientSampleId :
 QC061125 CAN 10329



Tgt Ion: 95 Resp: 192779
 Ion Ratio Lower Upper
 95 100
 174 64.6 53.1 79.7
 175 4.6 4.2 6.2

