

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
 Data File : VL042598.D
 Acq On : 29 May 2025 22:18
 Operator : SY/MD
 Sample : QC052725 CAN 10609
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC052725 CAN 10609

Quant Time: May 30 02:15:27 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)

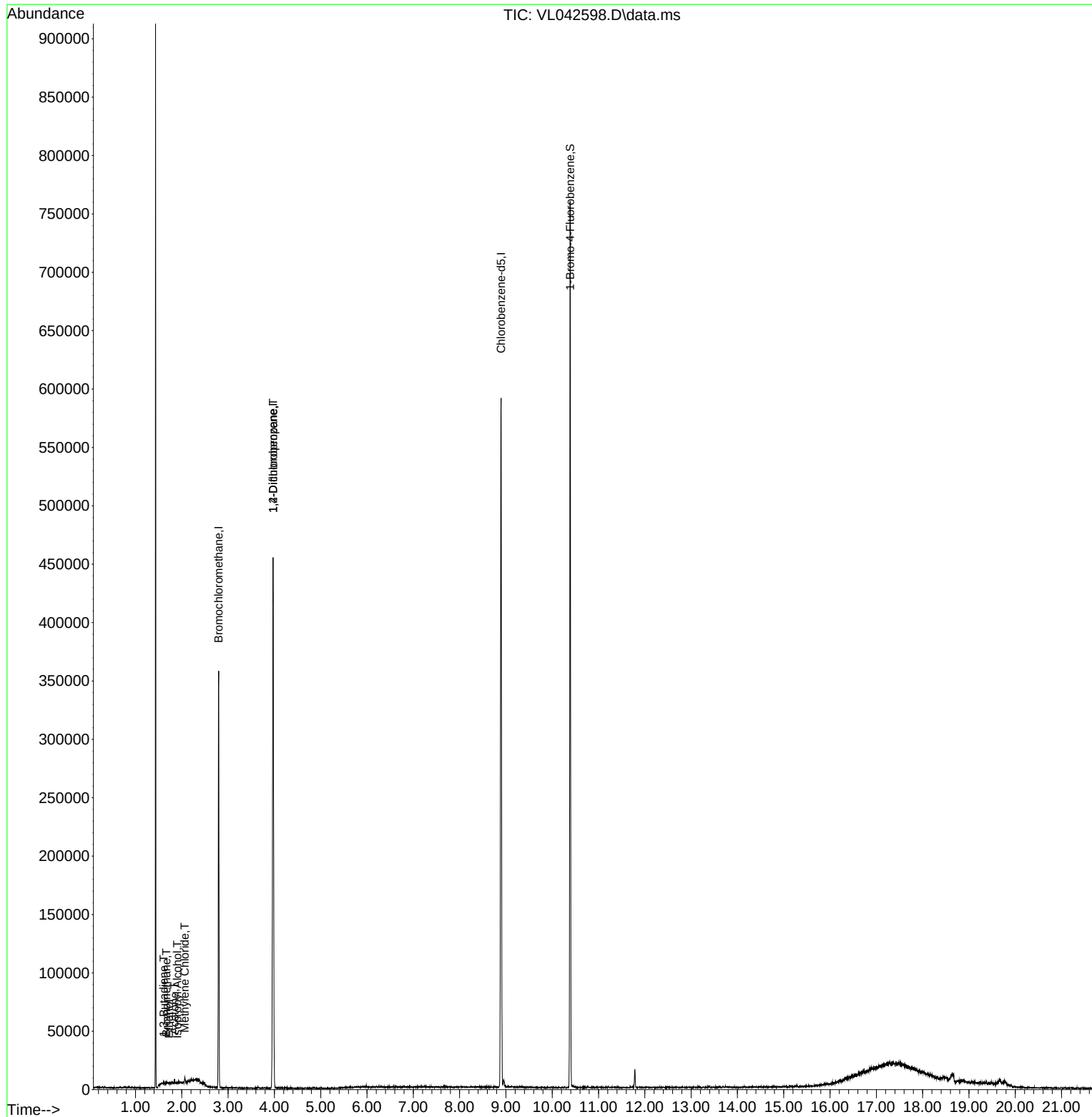
Internal Standards						
1) Bromochloromethane	2.794	49	101427	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.972	114	282373	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.895	117	253475	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	192879	10.151	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.500%
Target Compounds						
					Qvalue	
6) Bromomethane	1.671	94	80	0.033	ppbv #	5
13) Ethanol	1.722	45	120	0.146	ppbv #	39
15) Acetone	1.842	43	1063	0.087	ppbv	98
16) 1,3-Butadiene	1.609	39	268	0.046	ppbv #	43
19) Isopropyl Alcohol	1.900	45	273	0.037	ppbv #	46
20) Methylene Chloride	2.065	84	703	0.174	ppbv	96
39) 1,2-Dichloropropane	3.972	63	69912	6.799	ppbv #	23

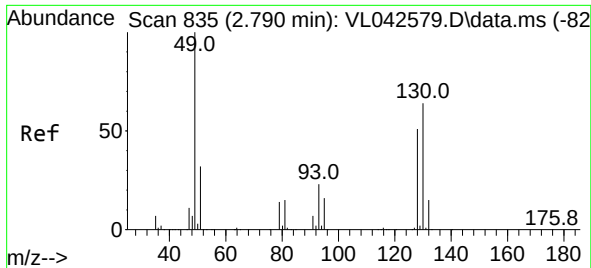
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 2.794 min Scan# 81

Delta R.T. 0.004 min

Lab File: VL042598.D

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Instrument :

MSVOA_L

ClientSampleId :

QC052725 CAN 10609

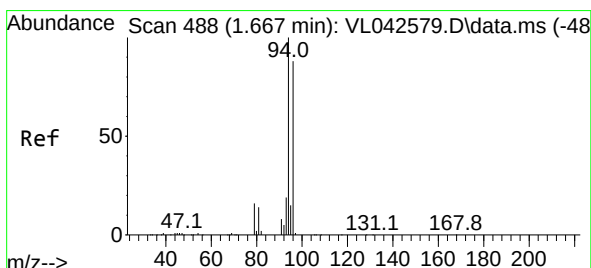
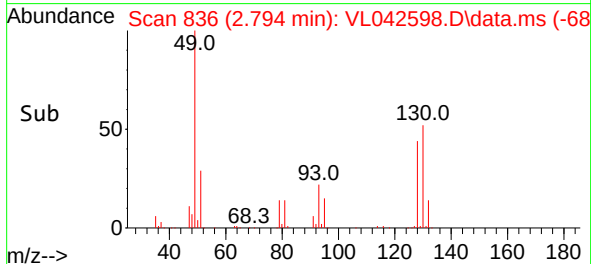
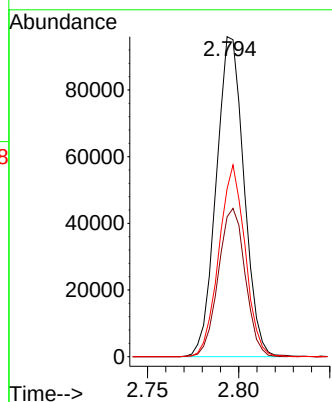
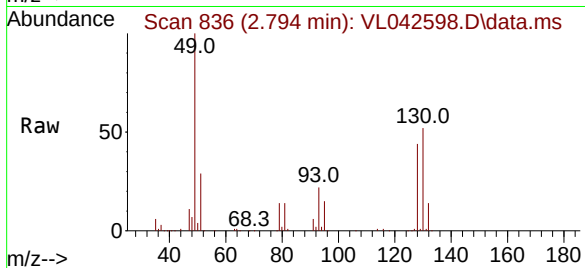
Tgt Ion: 49 Resp: 101427

Ion Ratio Lower Upper

49 100

128 45.0 24.2 72.6

130 56.7 30.4 91.2



#6

Bromomethane

Concen: 0.033 ppbv

RT: 1.671 min Scan# 489

Delta R.T. 0.003 min

Lab File: VL042598.D

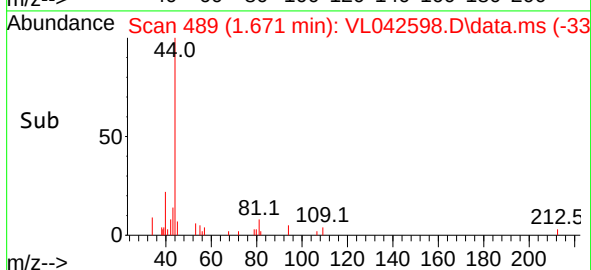
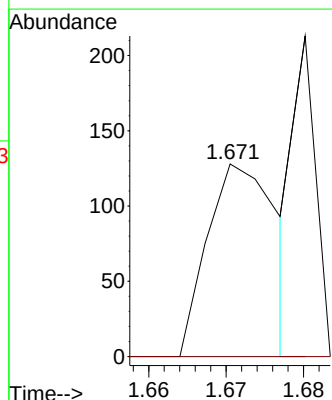
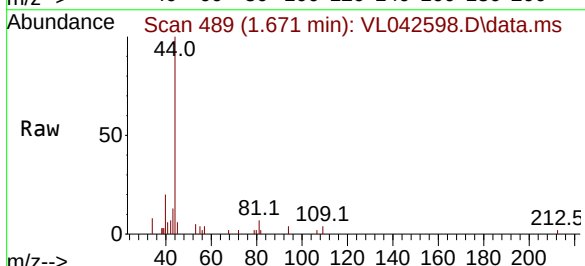
Acq: 29 May 2025 22:18

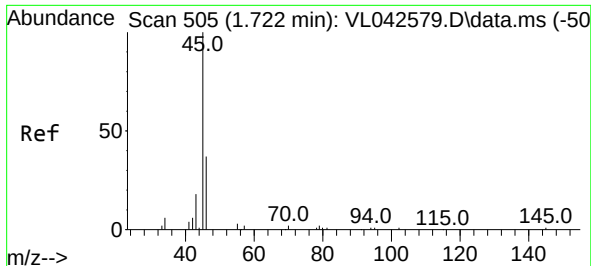
Tgt Ion: 94 Resp: 80

Ion Ratio Lower Upper

94 100

96 0.0 70.7 106.1#

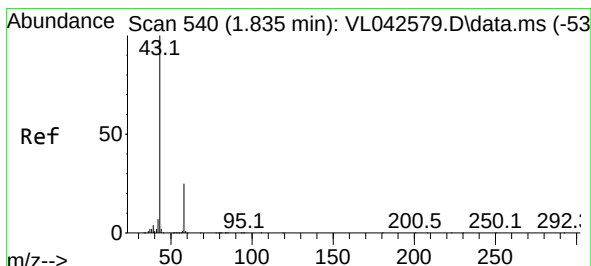
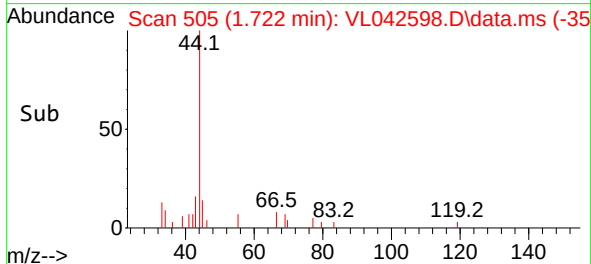
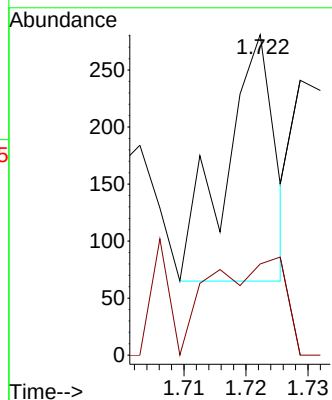
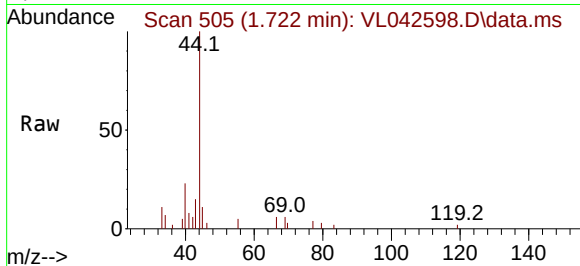




#13
 Ethanol
 Concen: 0.146 ppbv
 RT: 1.722 min Scan# 505
 Delta R.T. 0.000 min
 Lab File: VL042598.D
 Acq: 29 May 2025 22:18

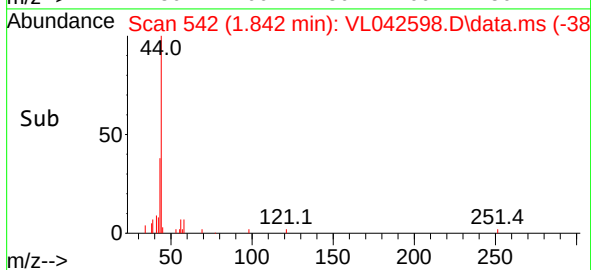
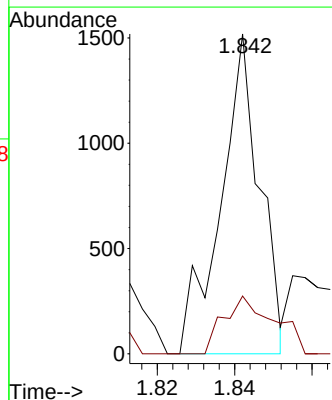
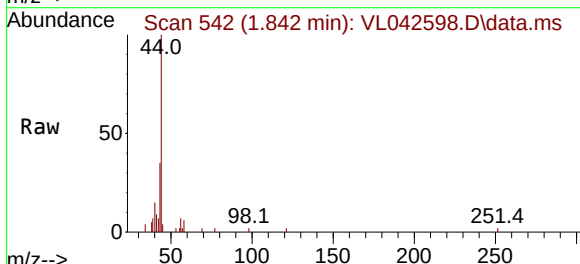
Instrument :
 MSVOA_1
 ClientSampleId :
 QC052725 CAN 10609

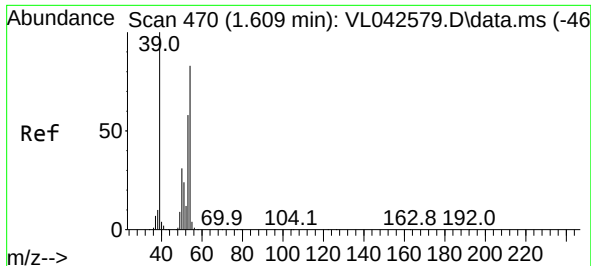
Tgt Ion: 45 Resp: 120
 Ion Ratio Lower Upper
 45 100
 46 0.0 14.5 58.1#



#15
 Acetone
 Concen: 0.087 ppbv
 RT: 1.842 min Scan# 542
 Delta R.T. 0.007 min
 Lab File: VL042598.D
 Acq: 29 May 2025 22:18

Tgt Ion: 43 Resp: 1063
 Ion Ratio Lower Upper
 43 100
 58 25.2 21.0 31.4

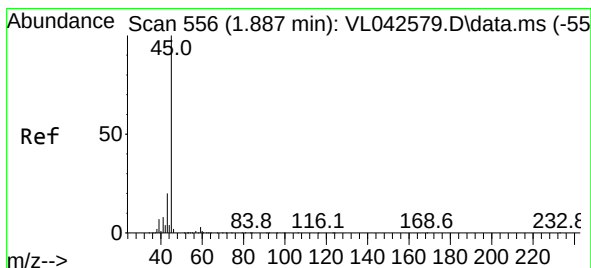
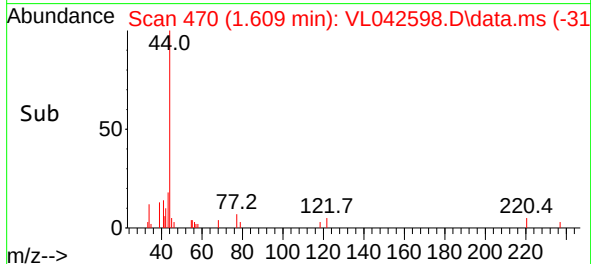
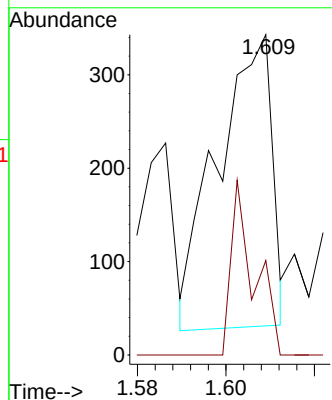
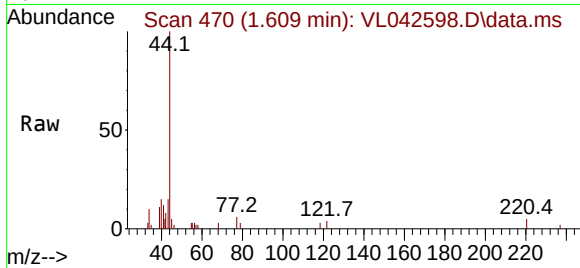




#16
1,3-Butadiene
Concen: 0.046 ppbv
RT: 1.609 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL042598.D
Acq: 29 May 2025 22:18

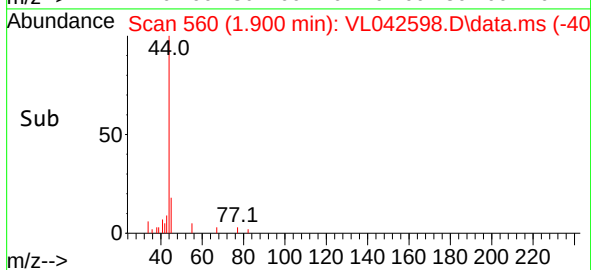
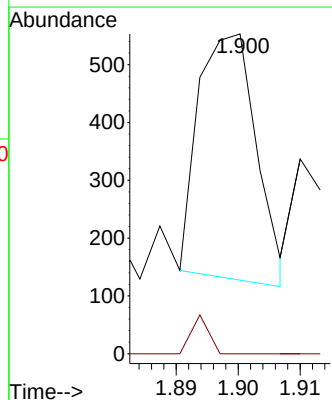
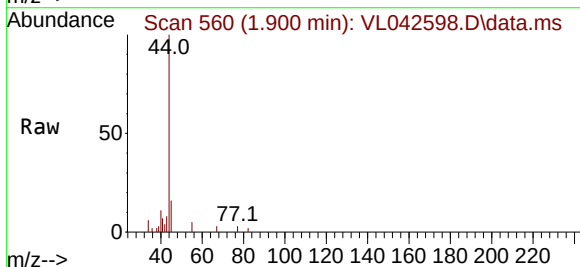
Instrument :
MSVOA_L
ClientSampleId :
QC052725 CAN 10609

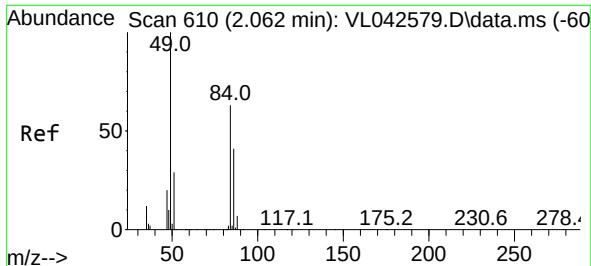
Tgt Ion: 39 Resp: 268
Ion Ratio Lower Upper
39 100
54 25.0 57.9 86.9#



#19
Isopropyl Alcohol
Concen: 0.037 ppbv
RT: 1.900 min Scan# 560
Delta R.T. 0.013 min
Lab File: VL042598.D
Acq: 29 May 2025 22:18

Tgt Ion: 45 Resp: 273
Ion Ratio Lower Upper
45 100
58 4.8 29.4 44.2#

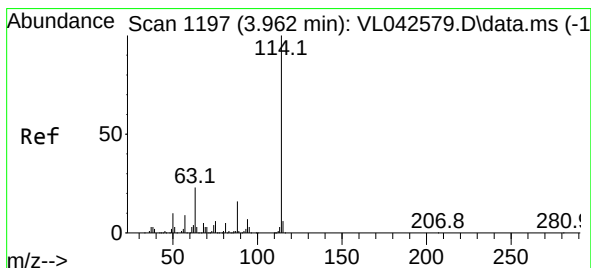
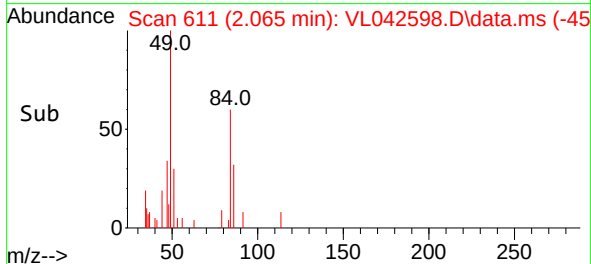
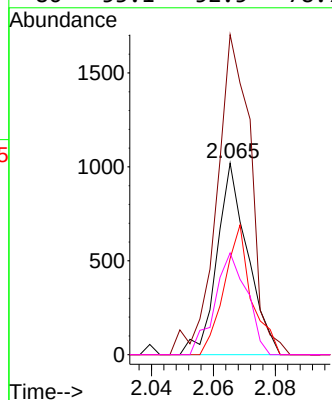
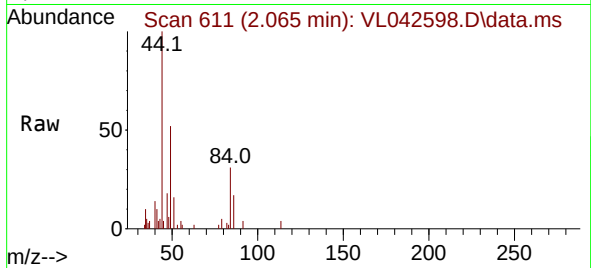




#20
Methylene Chloride
Concen: 0.174 ppbv
RT: 2.065 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL042598.D
Acq: 29 May 2025 22:18

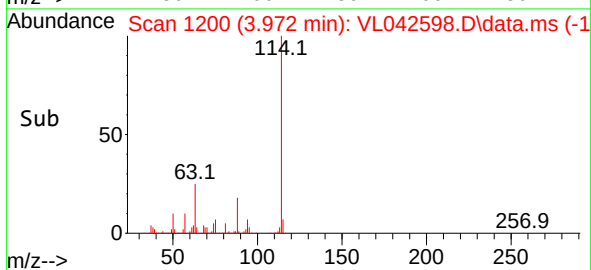
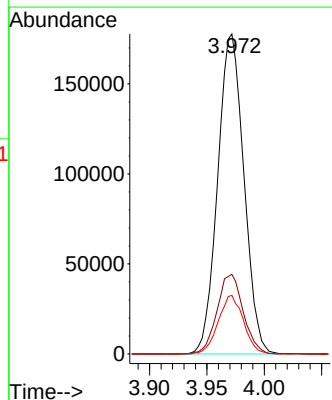
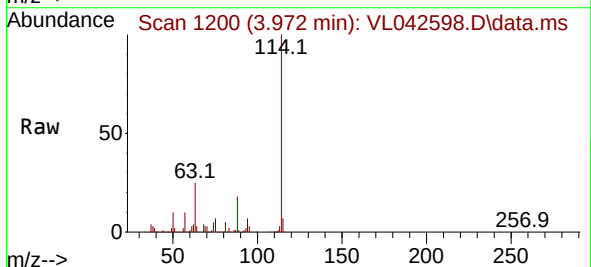
Instrument :
MSVOA_L
ClientSampleId :
QC052725 CAN 10609

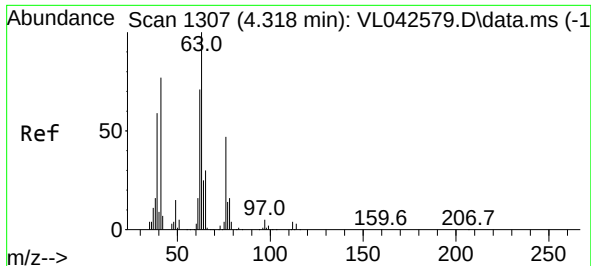
Tgt Ion:	84	Resp:	703
Ion	Ratio	Lower	Upper
84	100		
49	160.7	128.8	193.2
51	50.2	38.6	57.8
86	53.1	52.5	78.7



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.972 min Scan# 1200
Delta R.T. 0.010 min
Lab File: VL042598.D
Acq: 29 May 2025 22:18

Tgt Ion:	114	Resp:	282373
Ion	Ratio	Lower	Upper
114	100		
63	24.9	19.0	28.6
88	17.6	13.6	20.4





#39

1,2-Dichloropropane

Concen: 6.799 ppbv

RT: 3.972 min Scan# 11

Delta R.T. -0.346 min

Lab File: VL042598.D

Acq: 29 May 2025 22:18

Instrument :

MSVOA_L

ClientSampleId :

QC052725 CAN 10609

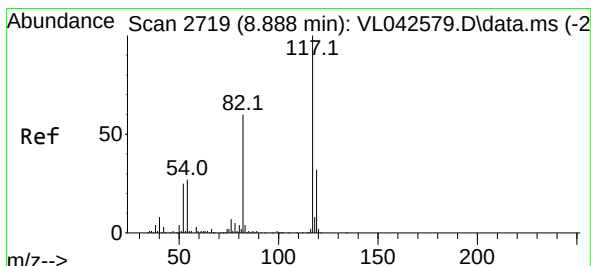
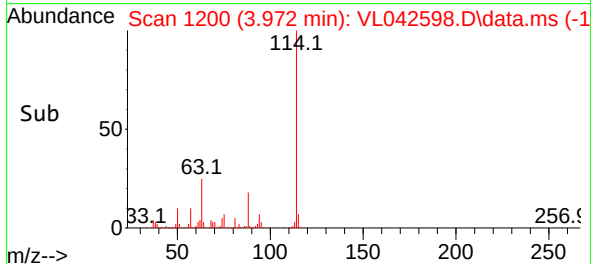
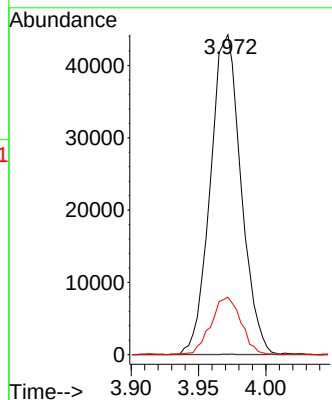
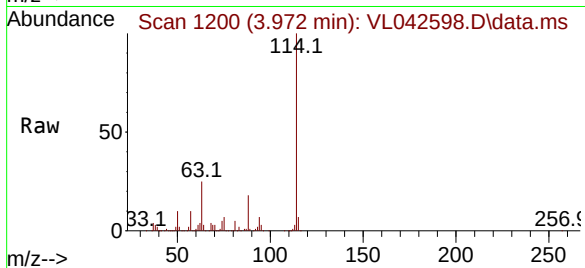
Tgt Ion: 63 Resp: 69912

Ion Ratio Lower Upper

63 100

41 0.1 61.8 92.6#

62 18.0 56.6 85.0#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.895 min Scan# 2721

Delta R.T. 0.007 min

Lab File: VL042598.D

Acq: 29 May 2025 22:18

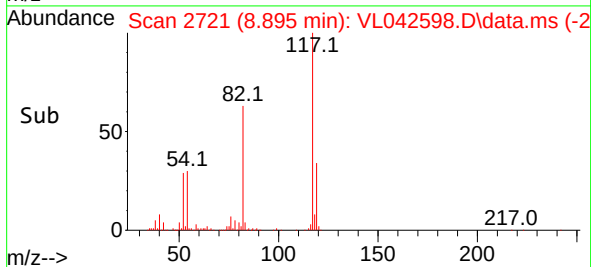
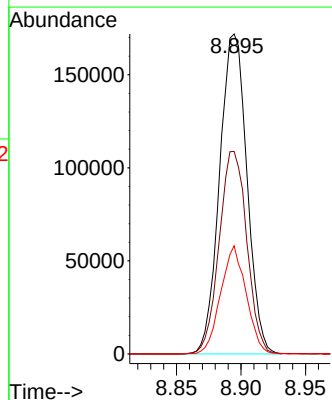
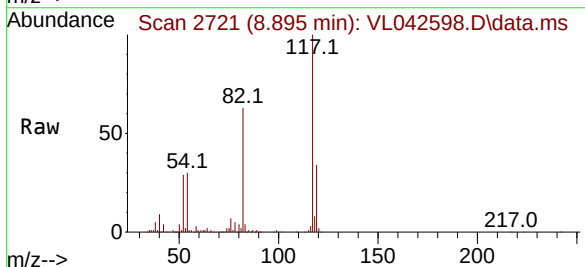
Tgt Ion: 117 Resp: 253475

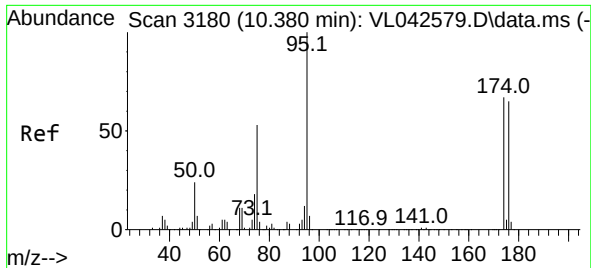
Ion Ratio Lower Upper

117 100

82 63.9 51.2 76.8

119 31.6 26.3 39.5





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.151 ppbv
 RT: 10.387 min Scan# 31
 Delta R.T. 0.007 min
 Lab File: VL042598.D
 Acq: 29 May 2025 22:18

Instrument :
 MSVOA_L
 ClientSampleId :
 QC052725 CAN 10609

Tgt Ion: 95 Resp: 192879
 Ion Ratio Lower Upper
 95 100
 174 62.7 53.1 79.7
 175 5.0 4.2 6.2

