

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
 Data File : VL042860.D
 Acq On : 13 Aug 2025 20:12
 Operator : SY/MD
 Sample : QC081125 CAN 10280
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 14 02:21:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Aug 14 02:12:54 2025
 Response via : Initial Calibration

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

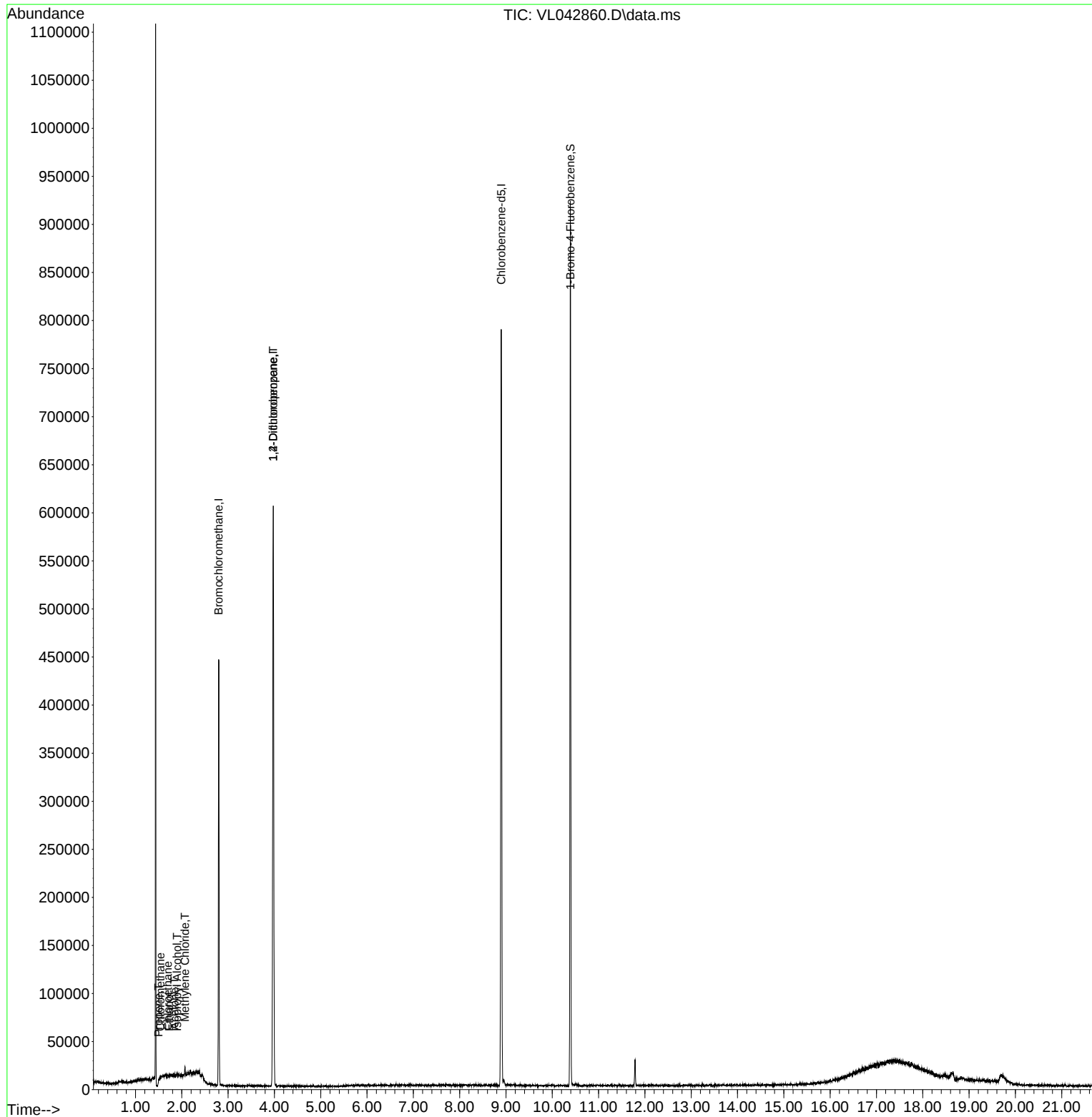
Internal Standards						
1) Bromochloromethane	2.797	49	123066	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	370905	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	326548	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	243879	9.958	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.600%
Target Compounds						
					Qvalue	
4) Chloromethane	1.538	50	181	0.025	ppbv	94
7) Chloroethane	1.696	64	59	0.021	ppbv #	39
9) Propene	1.496	41	422	0.049	ppbv #	73
13) Ethanol	1.729	45	183	0.232	ppbv #	1
15) Acetone	1.842	43	1563	0.096	ppbv #	87
19) Isopropyl Alcohol	1.897	45	625	0.064	ppbv #	76
20) Methylene Chloride	2.068	84	1218	0.179	ppbv #	76
39) 1,2-Dichloropropane	3.975	63	94115	7.255	ppbv #	25

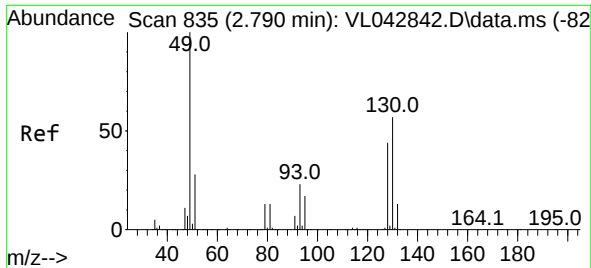
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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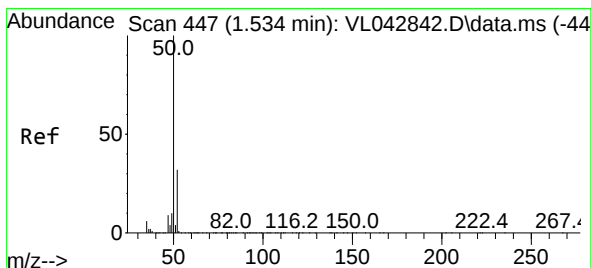
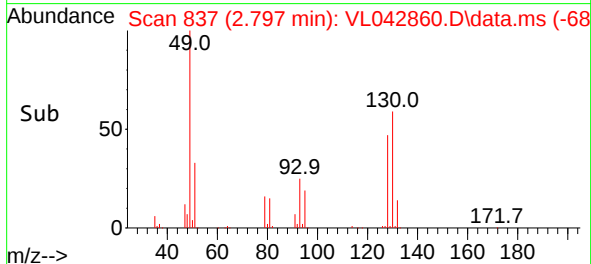
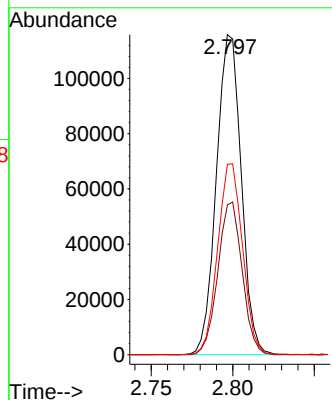
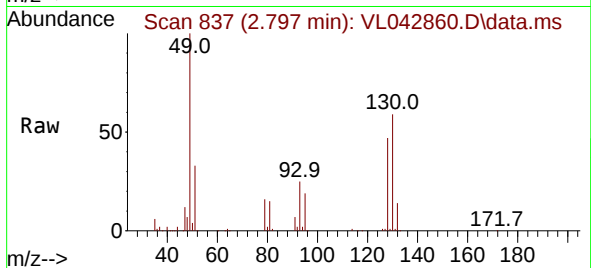




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 81
Delta R.T. 0.007 min
Lab File: VL042860.D
Acq: 13 Aug 2025 20:12

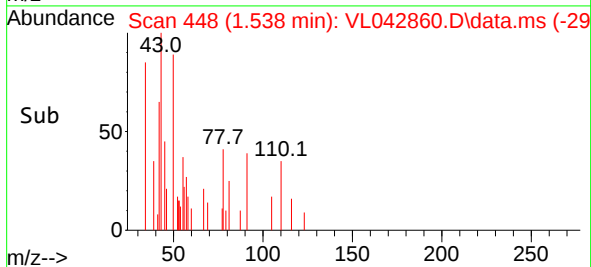
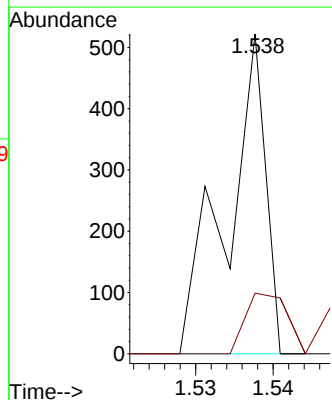
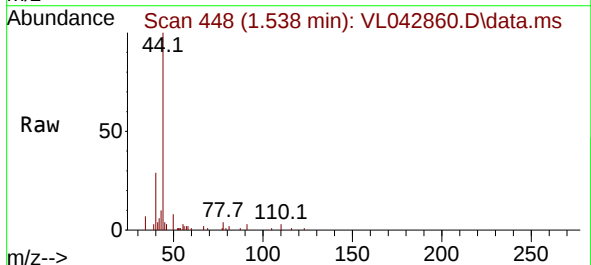
Instrument :
MSVOA_L
ClientSampleId :

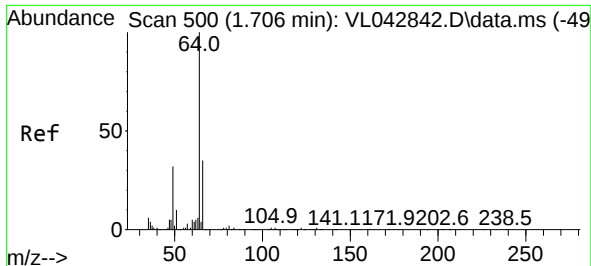
Tgt Ion: 49 Resp: 123066
Ion Ratio Lower Upper
49 100
128 46.5 23.7 71.1
130 59.7 30.6 91.6



#4
Chloromethane
Concen: 0.025 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.003 min
Lab File: VL042860.D
Acq: 13 Aug 2025 20:12

Tgt Ion: 50 Resp: 181
Ion Ratio Lower Upper
50 100
52 35.8 25.9 38.9

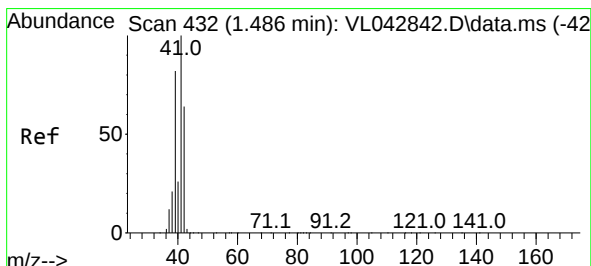
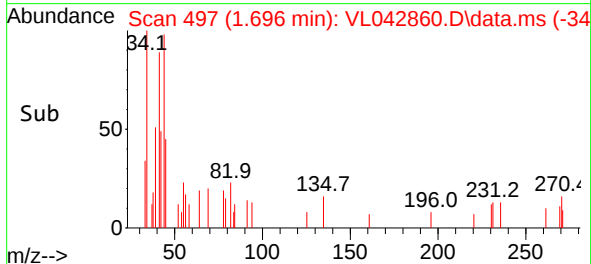
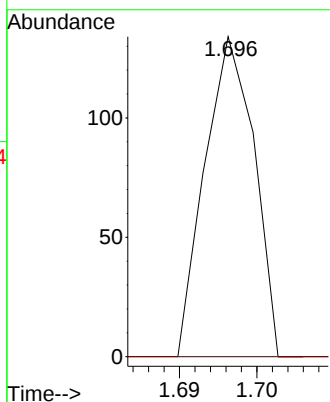
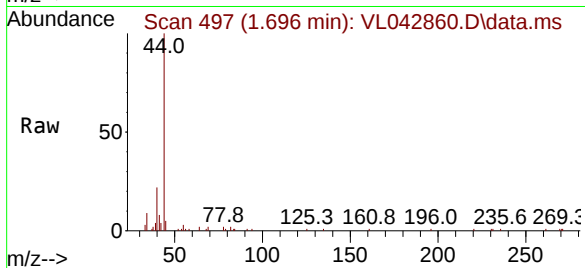




#7
Chloroethane
Concen: 0.021 ppbv
RT: 1.696 min Scan# 435
Delta R.T. -0.010 min
Lab File: VL042860.D
Acq: 13 Aug 2025 20:12

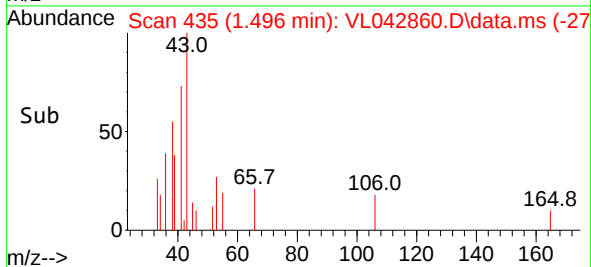
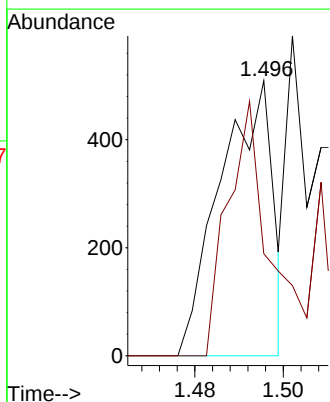
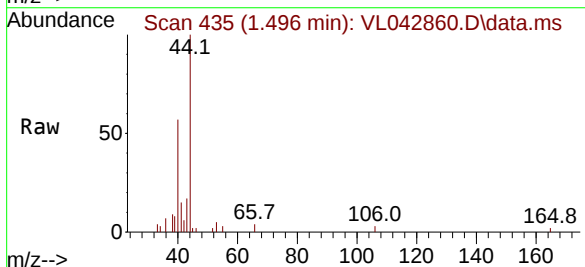
Instrument :
MSVOA_L
ClientSampleId :

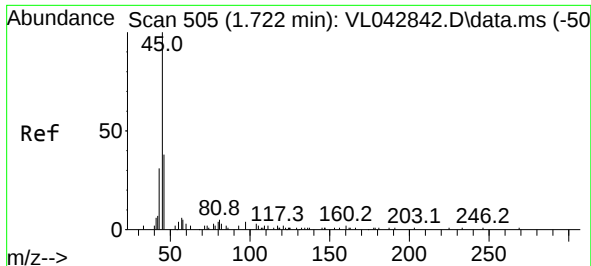
Tgt Ion: 64 Resp: 59
Ion Ratio Lower Upper
64 100
66 0.0 28.6 42.8#



#9
Propene
Concen: 0.049 ppbv
RT: 1.496 min Scan# 435
Delta R.T. 0.010 min
Lab File: VL042860.D
Acq: 13 Aug 2025 20:12

Tgt Ion: 41 Resp: 422
Ion Ratio Lower Upper
41 100
42 87.7 53.0 79.4#

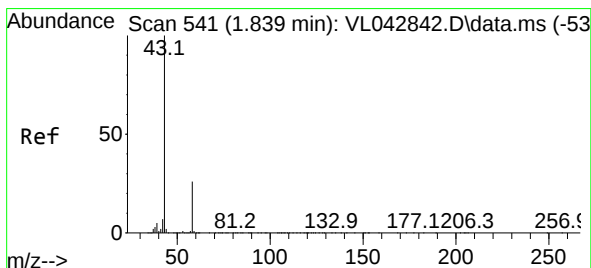
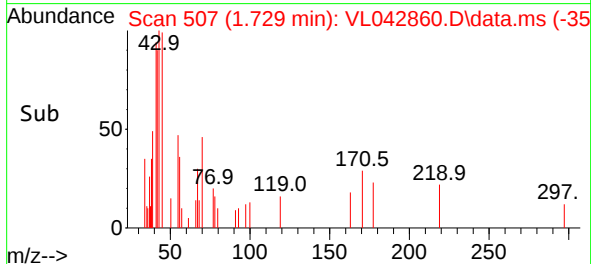
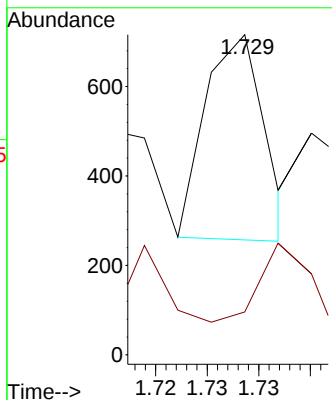
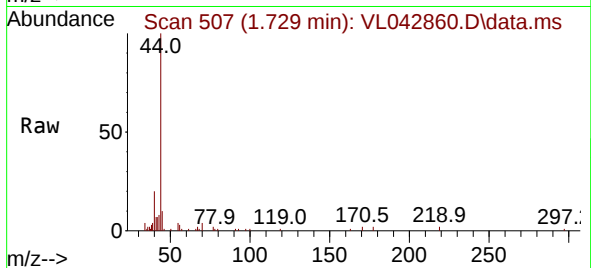




#13
 Ethanol
 Concen: 0.232 ppbv
 RT: 1.729 min Scan# 505
 Delta R.T. 0.006 min
 Lab File: VL042860.D
 Acq: 13 Aug 2025 20:12

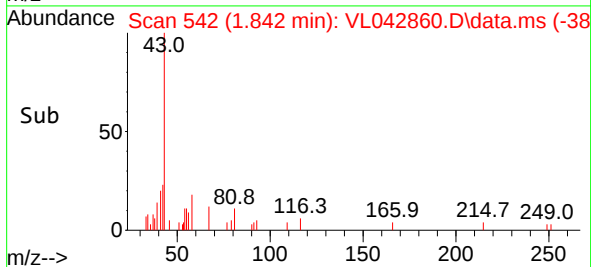
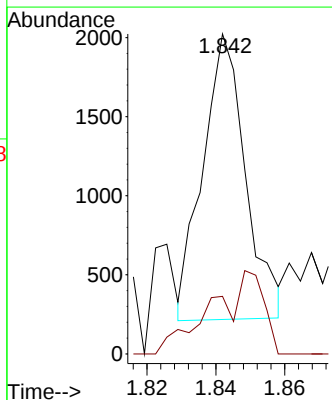
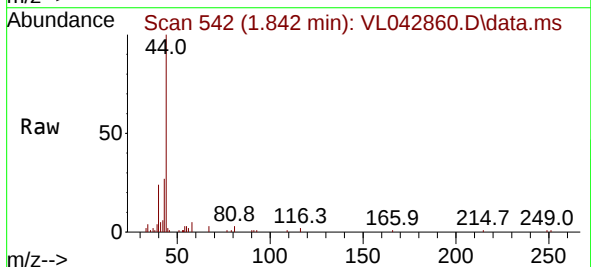
Instrument :
 MSVOA_L
 ClientSampleId :

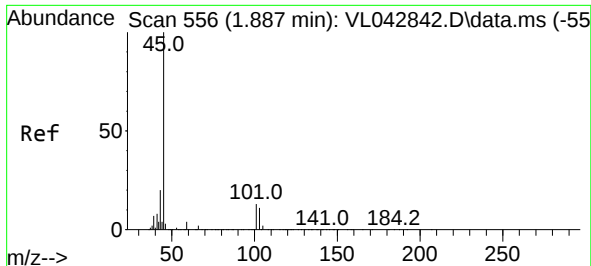
Tgt Ion: 45 Resp: 183
 Ion Ratio Lower Upper
 45 100
 46 163.4 17.5 69.9#



#15
 Acetone
 Concen: 0.096 ppbv
 RT: 1.842 min Scan# 542
 Delta R.T. 0.003 min
 Lab File: VL042860.D
 Acq: 13 Aug 2025 20:12

Tgt Ion: 43 Resp: 1563
 Ion Ratio Lower Upper
 43 100
 58 34.9 22.4 33.6#





#19

Isopropyl Alcohol

Concen: 0.064 ppbv

RT: 1.897 min Scan# 51

Delta R.T. 0.010 min

Lab File: VL042860.D

Acq: 13 Aug 2025 20:12

Instrument :

MSVOA_L

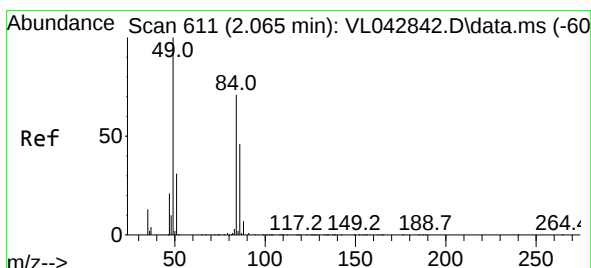
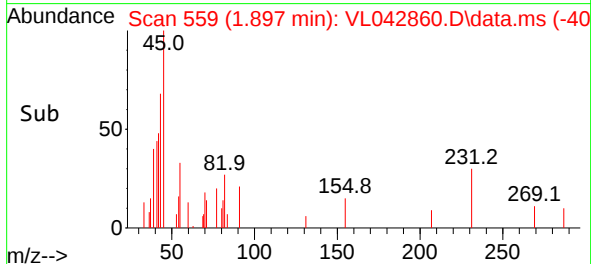
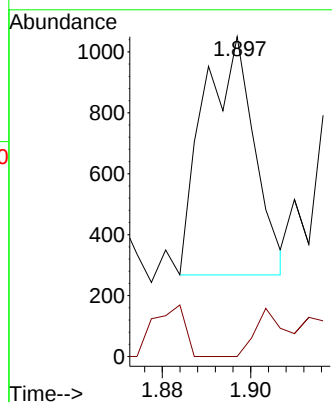
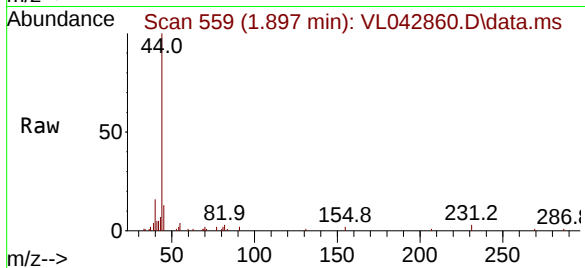
ClientSampleId :

Tgt Ion: 45 Resp: 625

Ion Ratio Lower Upper

45 100

58 25.9 32.7 49.1#



#20

Methylene Chloride

Concen: 0.179 ppbv

RT: 2.068 min Scan# 612

Delta R.T. 0.003 min

Lab File: VL042860.D

Acq: 13 Aug 2025 20:12

Tgt Ion: 84 Resp: 1218

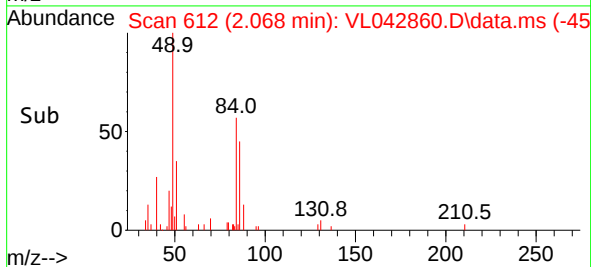
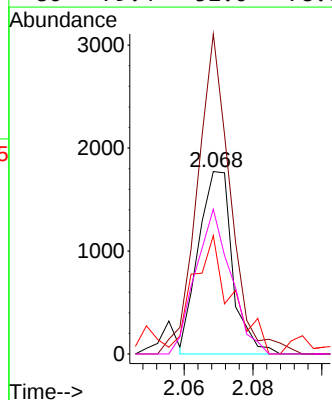
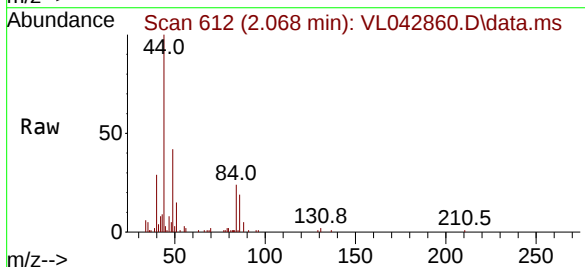
Ion Ratio Lower Upper

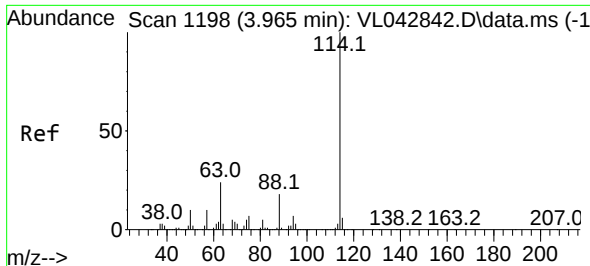
84 100

49 169.4 112.3 168.5#

51 64.9 36.0 54.0#

86 79.4 52.0 78.0#

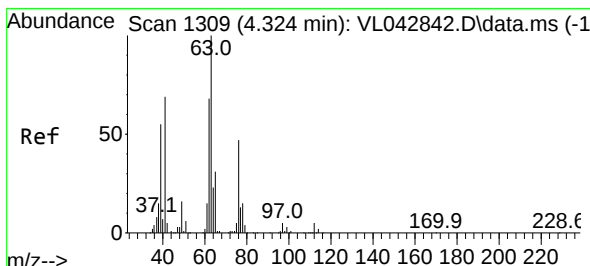
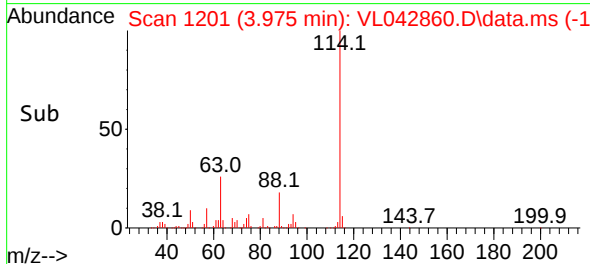
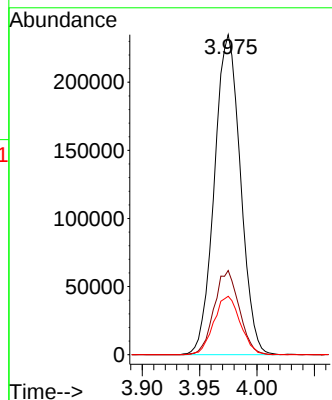
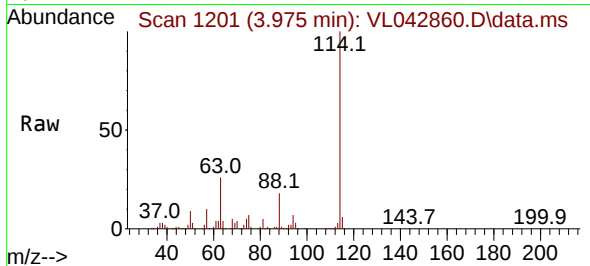




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.975 min Scan# 1198
 Delta R.T. 0.010 min
 Lab File: VL042860.D
 Acq: 13 Aug 2025 20:12

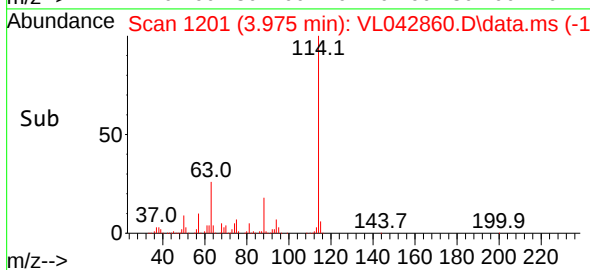
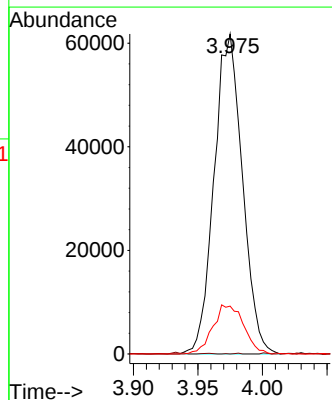
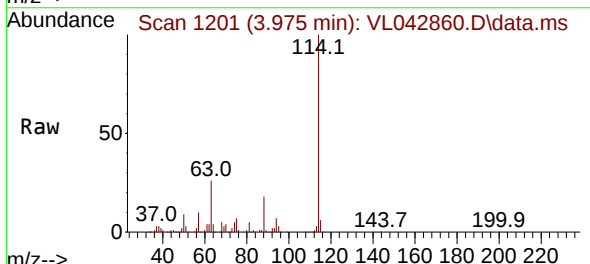
Instrument :
 MSVOA_L
 ClientSampleId :

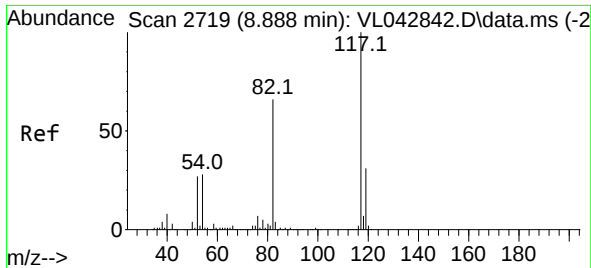
Tgt Ion:114 Resp: 370905
 Ion Ratio Lower Upper
 114 100
 63 25.4 19.7 29.5
 88 18.5 14.4 21.6



#39
 1,2-Dichloropropane
 Concen: 7.255 ppbv
 RT: 3.975 min Scan# 1201
 Delta R.T. -0.350 min
 Lab File: VL042860.D
 Acq: 13 Aug 2025 20:12

Tgt Ion: 63 Resp: 94115
 Ion Ratio Lower Upper
 63 100
 41 0.0 55.0 82.4#
 62 14.9 54.4 81.6#

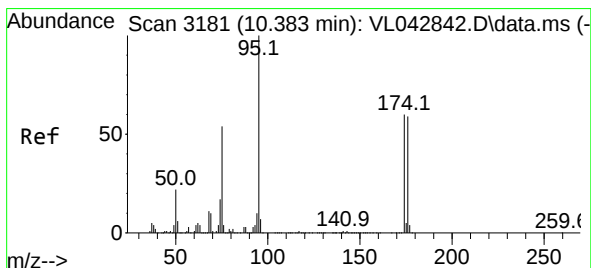
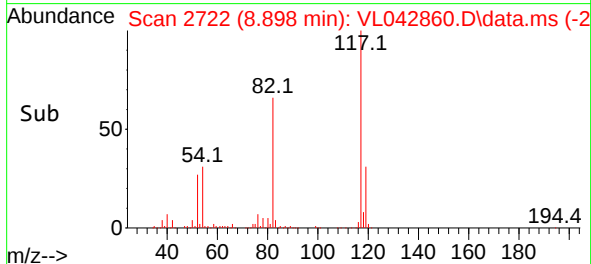
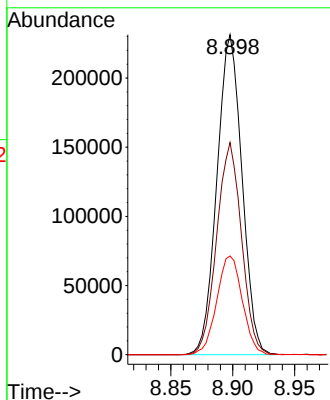
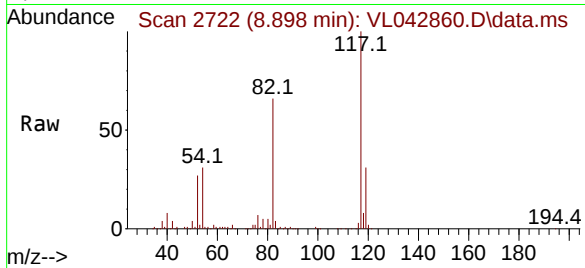




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.898 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL042860.D
Acq: 13 Aug 2025 20:12

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 326548
Ion Ratio Lower Upper
117 100
82 65.7 54.6 81.8
119 31.5 25.9 38.9



#68
1-Bromo-4-Fluorobenzene
Concen: 9.958 ppbv
RT: 10.390 min Scan# 3183
Delta R.T. 0.006 min
Lab File: VL042860.D
Acq: 13 Aug 2025 20:12

Tgt Ion: 95 Resp: 243879
Ion Ratio Lower Upper
95 100
174 56.2 48.4 72.6
175 4.2 3.8 5.8

