

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL033125\
 Data File : VL042209.D
 Acq On : 31 Mar 2025 14:07
 Operator : SY/MD
 Sample : VIBLK
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Apr 01 01:40:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Mar 28 02:00:52 2025
 Response via : Initial Calibration

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

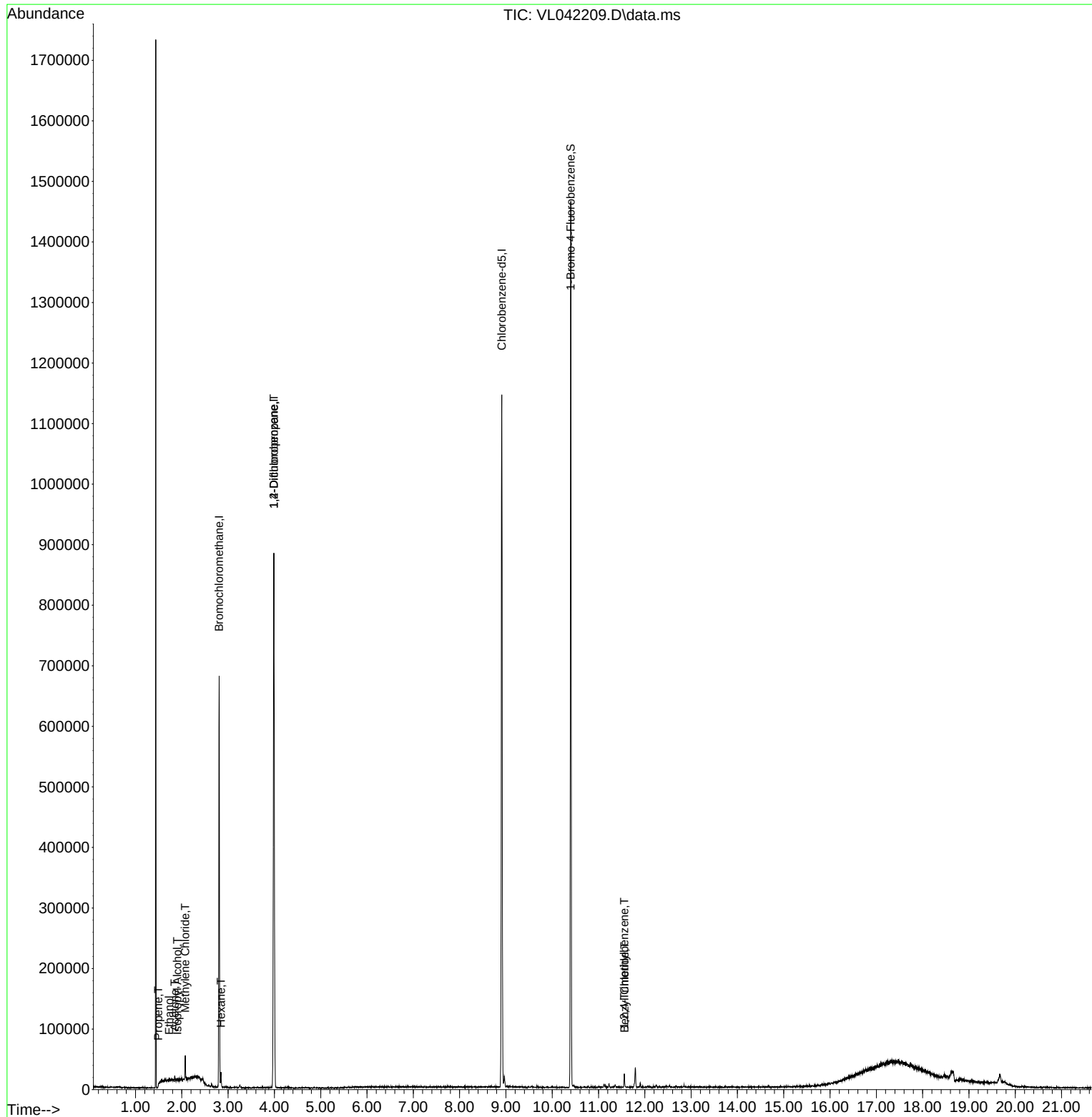
Internal Standards						
1) Bromochloromethane	2.807	49	183601	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.988	114	531049	10.000	ppbv	0.04
55) Chlorobenzene-d5	8.911	117	471191	10.000	ppbv	0.04
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.400	95	377111	9.746	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.500%
Target Compounds						
					Qvalue	
9) Propene	1.493	41	658	0.052	ppbv #	15
13) Ethanol	1.729	45	293	0.244	ppbv #	1
15) Acetone	1.849	43	3519	0.137	ppbv	92
19) Isopropyl Alcohol	1.900	45	526	0.036	ppbv #	30
20) Methylene Chloride	2.072	84	6393	0.668	ppbv	91
26) Hexane	2.845	57	5812	0.226	ppbv #	34
39) 1,2-Dichloropropane	3.988	63	132865	6.930	ppbv #	21
66) Benzyl Chloride	11.562	91	891	0.091	ppbv #	68
74) 1,2,4-Trimethylbenzene	11.558	105	7034	0.084	ppbv #	68

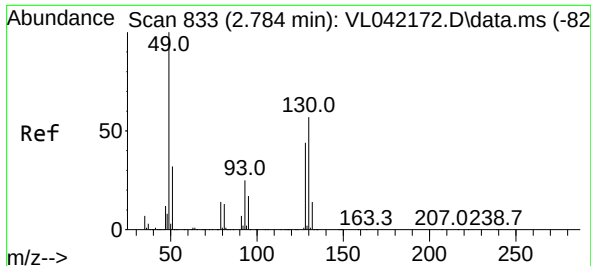
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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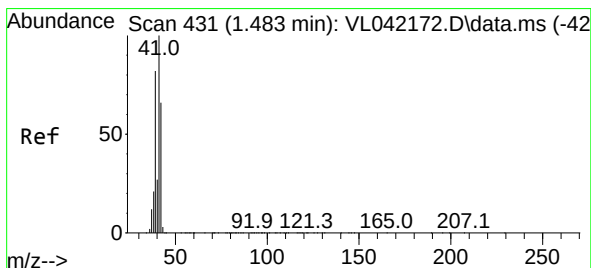
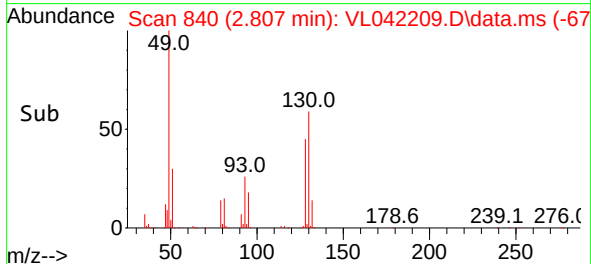
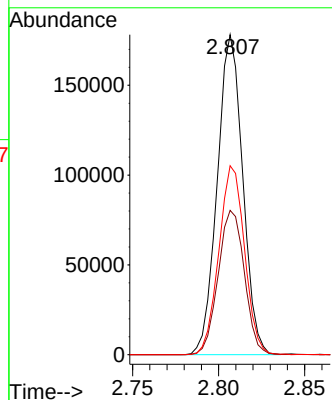
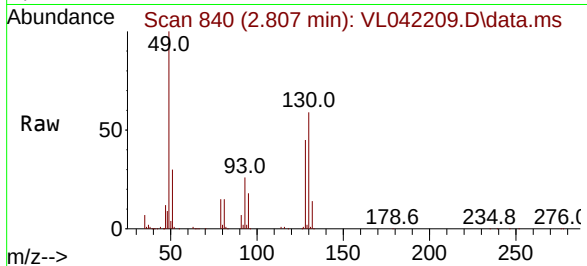




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.807 min Scan# 841
Delta R.T. 0.023 min
Lab File: VL042209.D
Acq: 31 Mar 2025 14:07

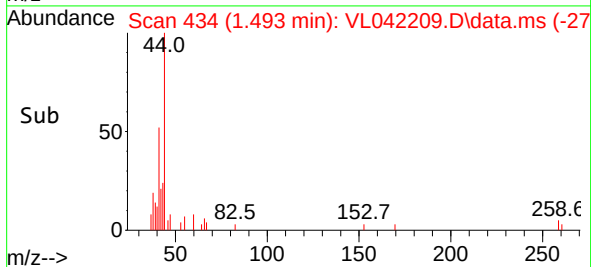
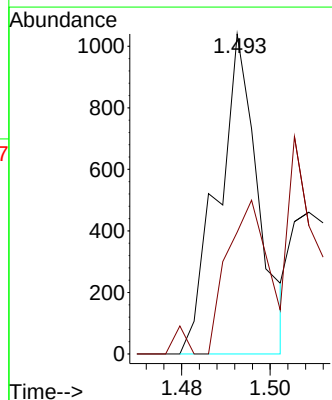
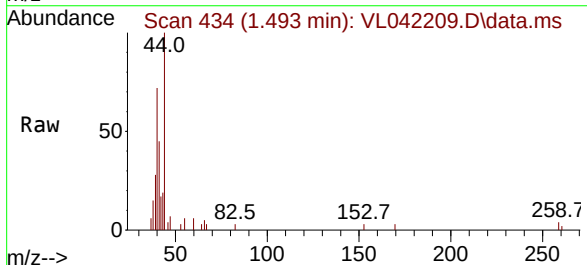
Instrument :
MSVOA_L
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VIBLK

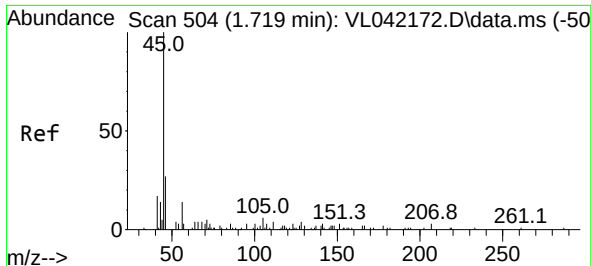
Tgt Ion: 49 Resp: 183601
Ion Ratio Lower Upper
49 100
128 46.4 22.9 68.5
130 59.6 28.8 86.4



#9
Propene
Concen: 0.052 ppbv
RT: 1.493 min Scan# 434
Delta R.T. 0.010 min
Lab File: VL042209.D
Acq: 31 Mar 2025 14:07

Tgt Ion: 41 Resp: 658
Ion Ratio Lower Upper
41 100
42 0.0 55.4 83.2#

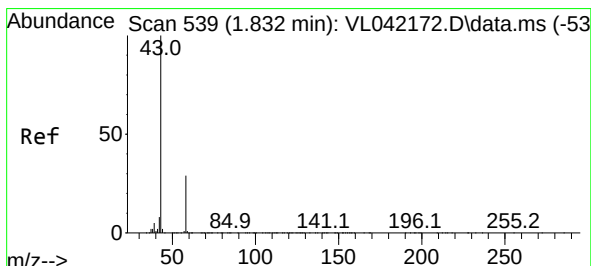
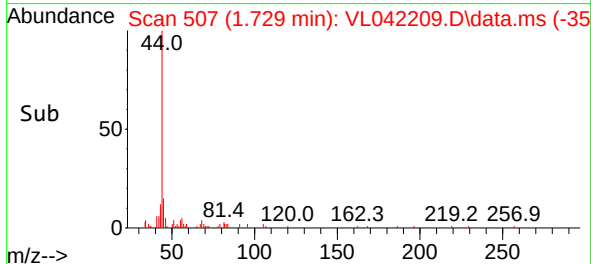
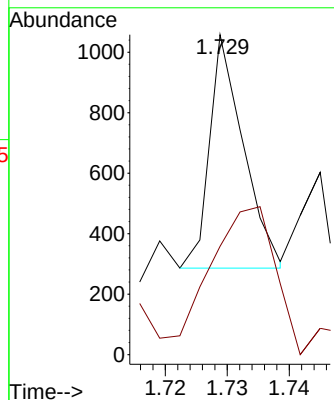
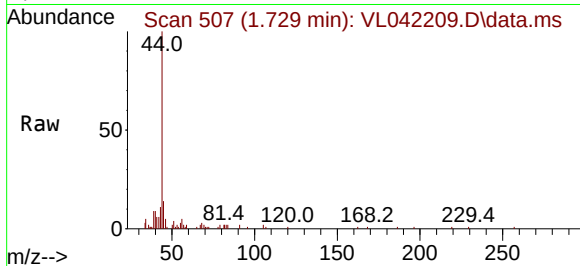




#13
 Ethanol
 Concen: 0.244 ppbv
 RT: 1.729 min Scan# 504
 Delta R.T. 0.010 min
 Lab File: VL042209.D
 Acq: 31 Mar 2025 14:07

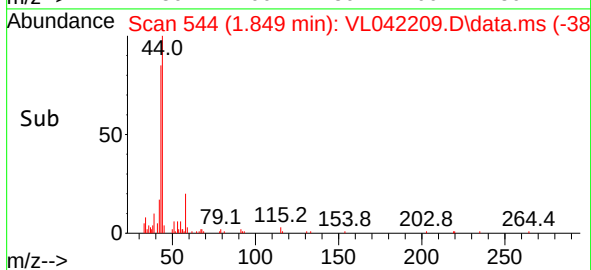
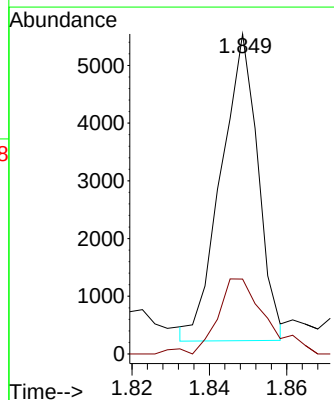
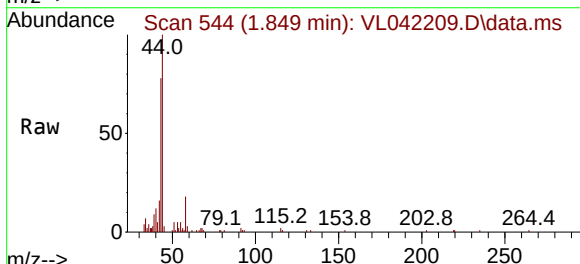
Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

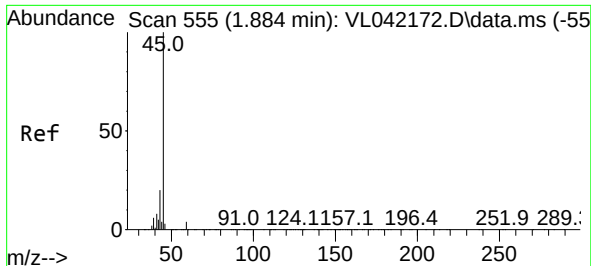
Tgt Ion: 45 Resp: 293
 Ion Ratio Lower Upper
 45 100
 46 217.7 20.2 80.8#



#15
 Acetone
 Concen: 0.137 ppbv
 RT: 1.849 min Scan# 544
 Delta R.T. 0.016 min
 Lab File: VL042209.D
 Acq: 31 Mar 2025 14:07

Tgt Ion: 43 Resp: 3519
 Ion Ratio Lower Upper
 43 100
 58 33.2 23.2 34.8

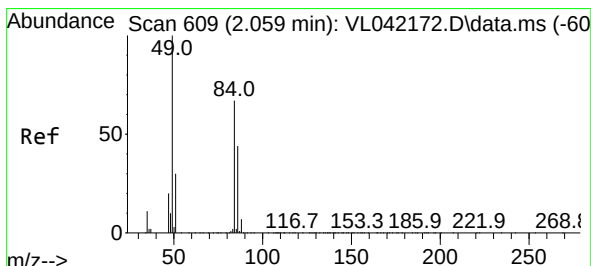
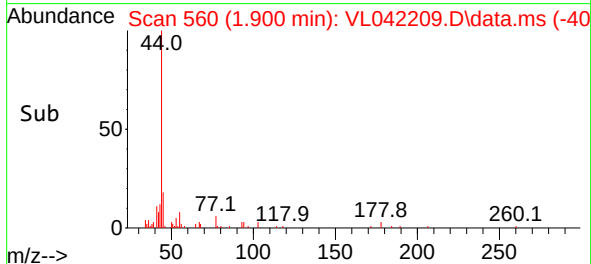
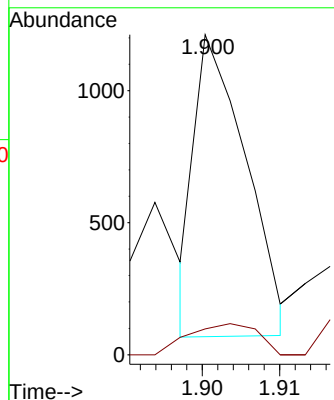
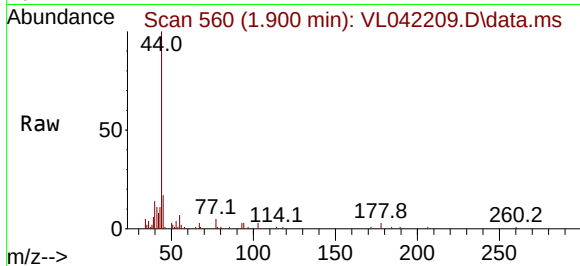




#19
Isopropyl Alcohol
Concen: 0.036 ppbv
RT: 1.900 min Scan# 50
Delta R.T. 0.016 min
Lab File: VL042209.D
Acq: 31 Mar 2025 14:07

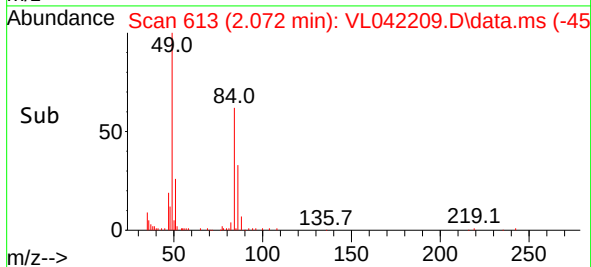
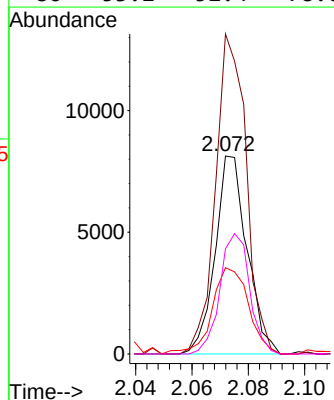
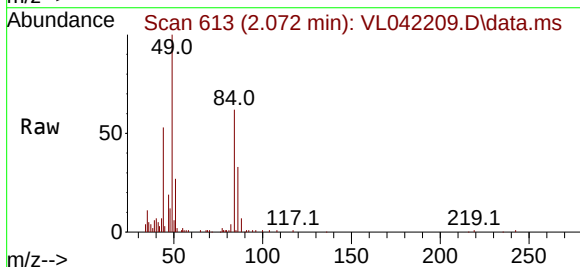
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

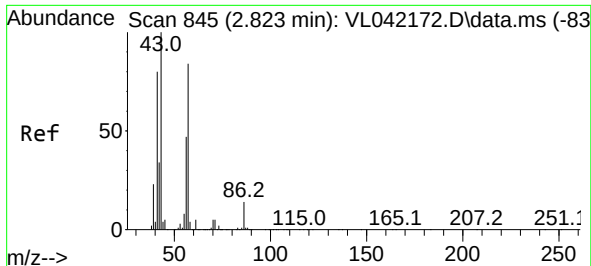
Tgt Ion: 45 Resp: 526
Ion Ratio Lower Upper
45 100
58 0.0 36.9 55.3#



#20
Methylene Chloride
Concen: 0.668 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.013 min
Lab File: VL042209.D
Acq: 31 Mar 2025 14:07

Tgt Ion: 84 Resp: 6393
Ion Ratio Lower Upper
84 100
49 161.7 120.2 180.4
51 45.3 37.4 56.0
86 53.2 52.4 78.6

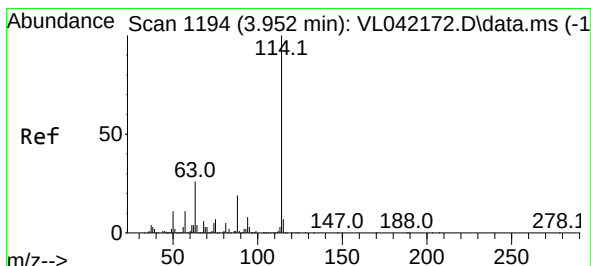
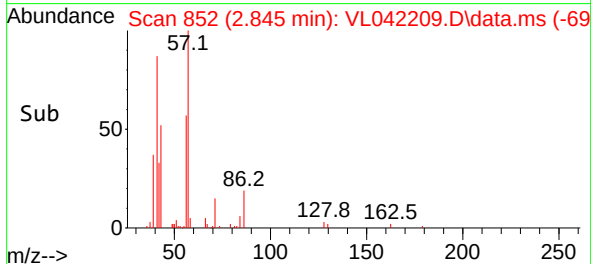
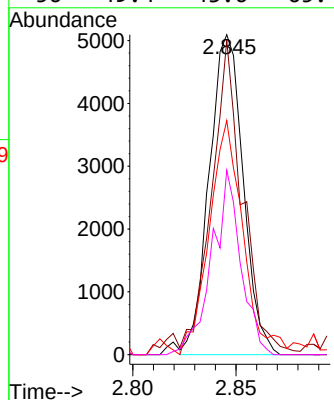
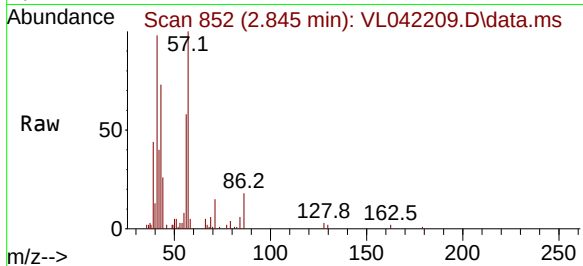




#26
Hexane
Concen: 0.226 ppbv
RT: 2.845 min Scan# 81
Delta R.T. 0.023 min
Lab File: VL042209.D
Acq: 31 Mar 2025 14:07

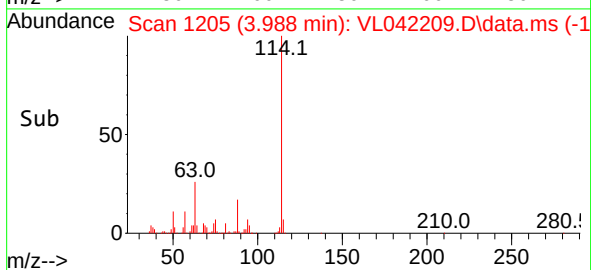
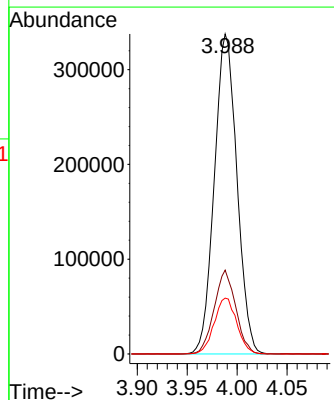
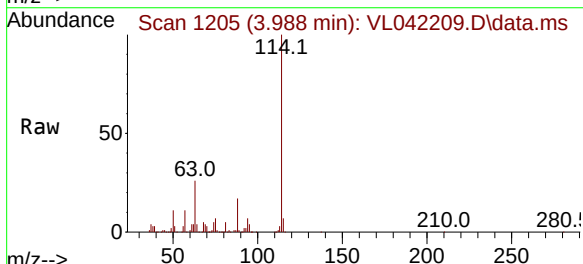
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

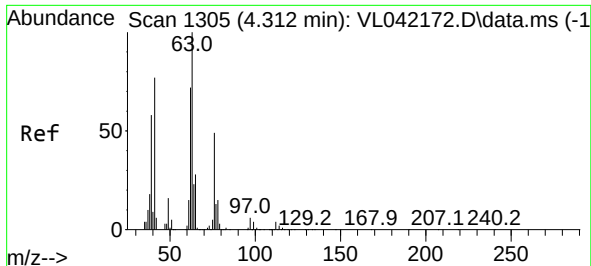
Tgt Ion: 57	Resp: 5812
Ion Ratio	Lower Upper
57 100	
41 93.6	76.6 114.8
43 77.9	207.8 311.8#
56 49.4	43.6 65.4



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.988 min Scan# 1205
Delta R.T. 0.036 min
Lab File: VL042209.D
Acq: 31 Mar 2025 14:07

Tgt Ion:114	Resp: 531049		
Ion Ratio	Lower	Upper	
114 100			
63 25.0	20.7	31.1	
88 17.5	15.0	22.4	





#39

1,2-Dichloropropane

Concen: 6.930 ppbv

RT: 3.988 min Scan# 11

Delta R.T. -0.324 min

Lab File: VL042209.D

Acq: 31 Mar 2025 14:07

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

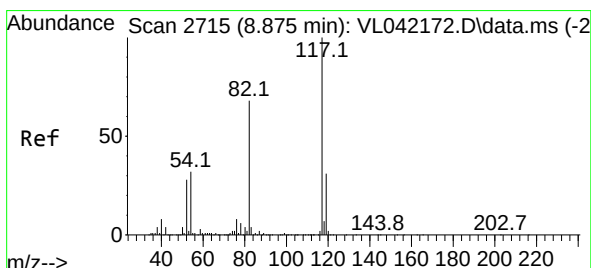
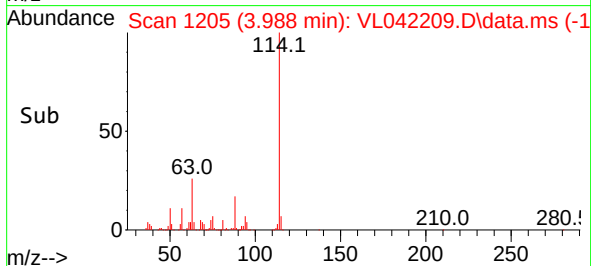
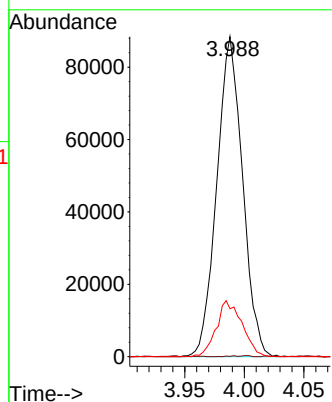
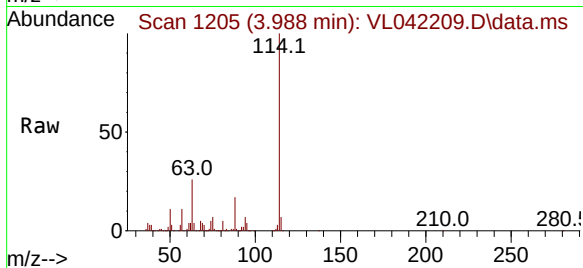
Tgt Ion: 63 Resp: 132865

Ion Ratio Lower Upper

63 100

41 0.1 61.7 92.5#

62 15.0 57.6 86.4#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.911 min Scan# 2726

Delta R.T. 0.036 min

Lab File: VL042209.D

Acq: 31 Mar 2025 14:07

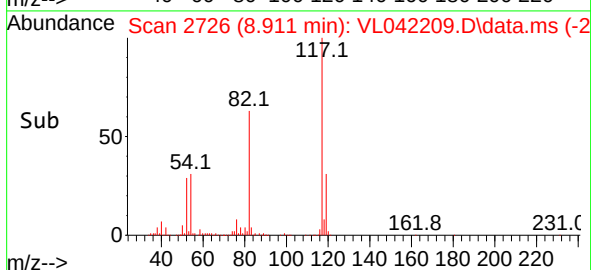
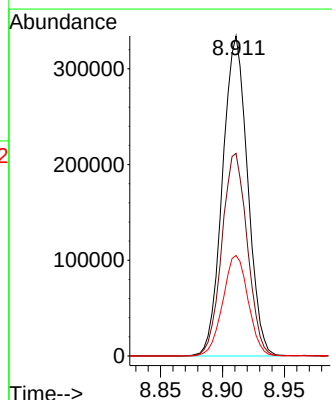
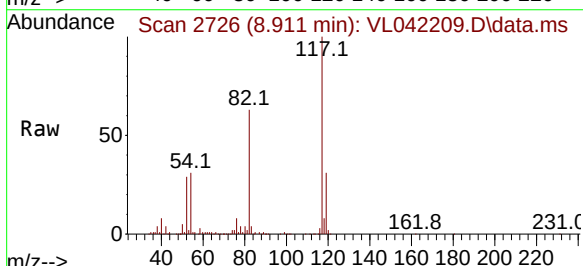
Tgt Ion: 117 Resp: 471191

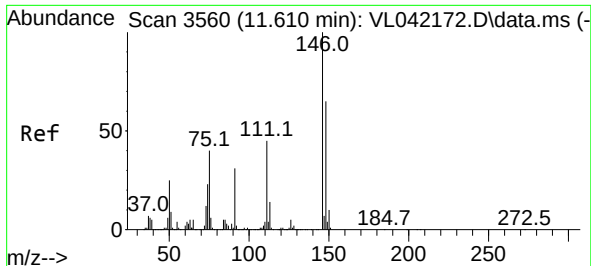
Ion Ratio Lower Upper

117 100

82 64.2 55.8 83.6

119 31.9 25.5 38.3

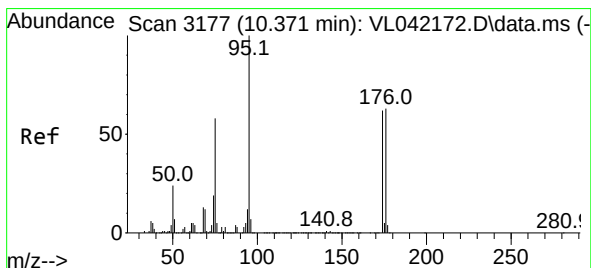
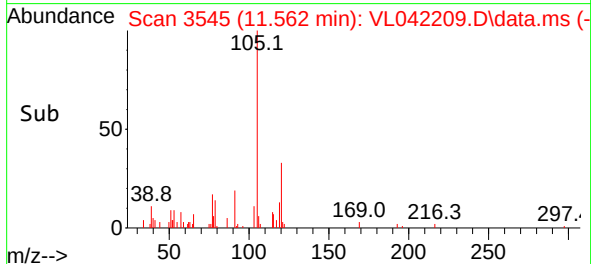
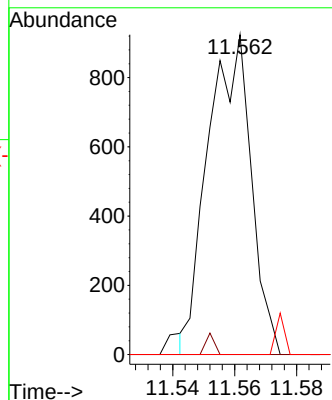
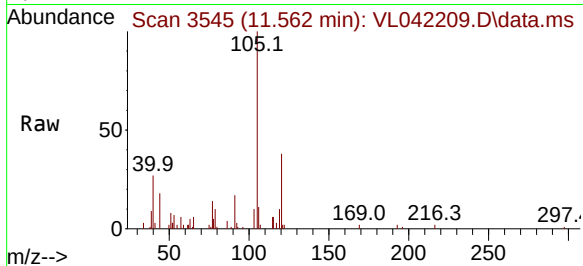




#66
Benzyl Chloride
Concen: 0.091 ppbv
RT: 11.562 min Scan# 3186
Delta R.T. -0.049 min
Lab File: VL042209.D
Acq: 31 Mar 2025 14:07

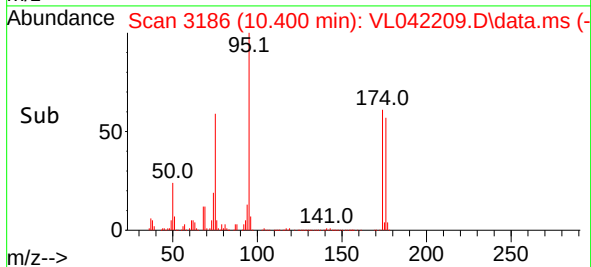
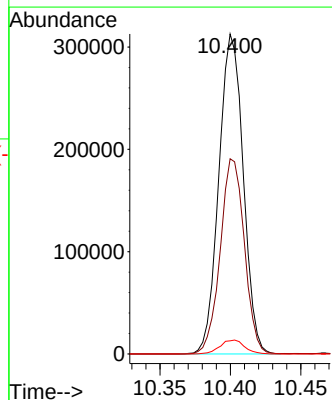
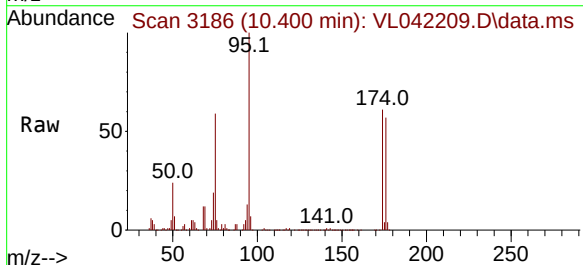
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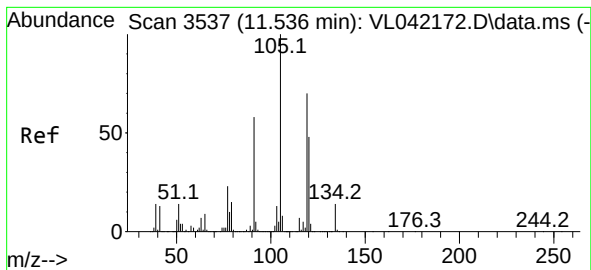
Tgt Ion: 91 Resp: 891
Ion Ratio Lower Upper
91 100
126 1.3 13.8 20.6#
128 0.0 4.5 6.7#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.746 ppbv
RT: 10.400 min Scan# 3186
Delta R.T. 0.029 min
Lab File: VL042209.D
Acq: 31 Mar 2025 14:07

Tgt Ion: 95 Resp: 377111
Ion Ratio Lower Upper
95 100
174 60.4 50.6 76.0
175 4.4 3.8 5.6





#74
 1,2,4-Trimethylbenzene
 Concen: 0.084 ppbv
 RT: 11.558 min Scan# 3544
 Delta R.T. 0.023 min
 Lab File: VL042209.D
 Acq: 31 Mar 2025 14:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Tgt Ion:	105	Resp:	7034
Ion	Ratio	Lower	Upper
105	100		
120	50.7	38.6	58.0
91	11.4	46.2	69.2#
77	15.7	18.6	27.8#

