

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090425\
 Data File : VL042889.D
 Acq On : 04 Sep 2025 13:09
 Operator : SY/MD
 Sample : VL0904ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 05 01:21:41 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)

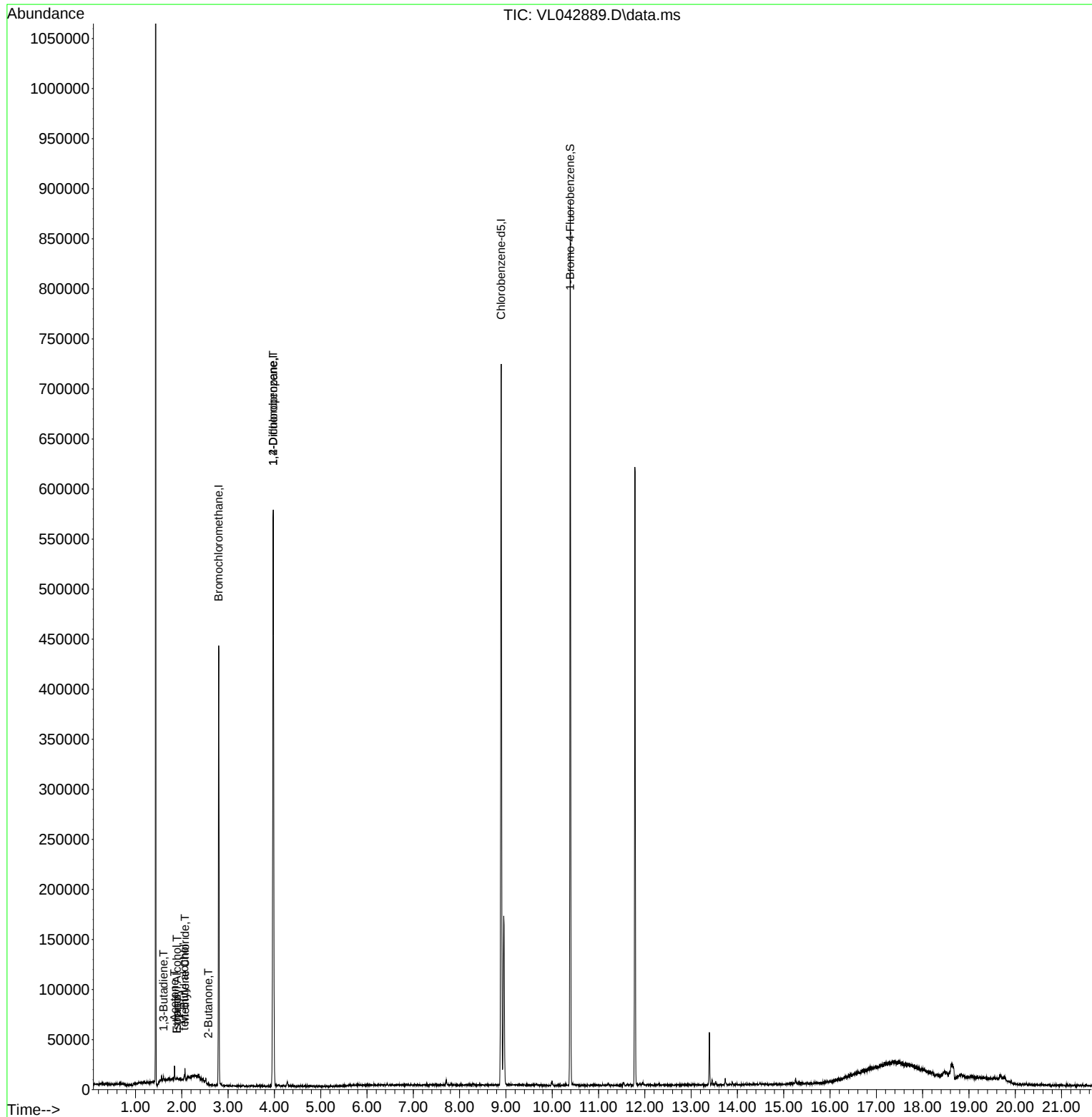
Internal Standards						
1) Bromochloromethane	2.797	49	124977	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	337917	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	288118	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	221808	10.265	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 102.700%	
Target Compounds						
						Qvalue
13) Ethanol	1.890	45	726	0.908	ppbv	96
15) Acetone	1.842	43	5069	0.307	ppbv #	76
16) 1,3-Butadiene	1.605	39	630	0.084	ppbv #	27
17) tert-Butyl alcohol	2.052	59	1393	0.071	ppbv #	87
19) Isopropyl Alcohol	1.890	45	726	0.074	ppbv #	1
20) Methylene Chloride	2.068	84	1548	0.224	ppbv	88
34) 2-Butanone	2.573	43	1660	0.073	ppbv	92
39) 1,2-Dichloropropane	3.975	63	88626	7.499	ppbv #	27

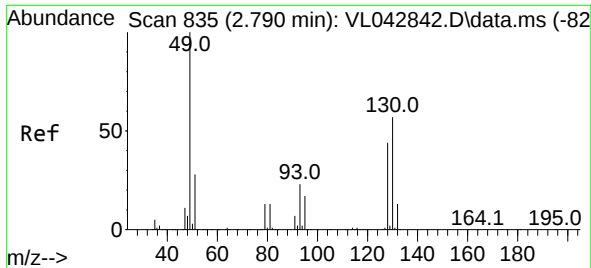
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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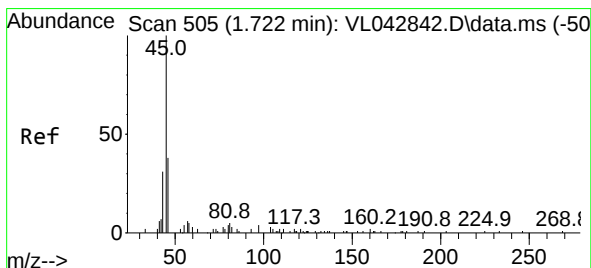
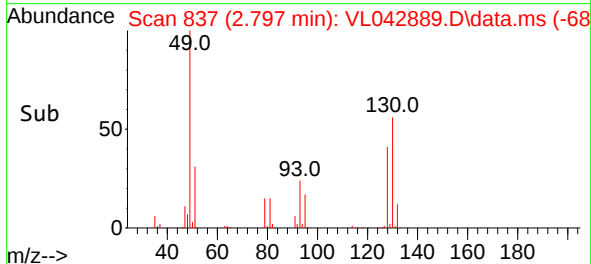
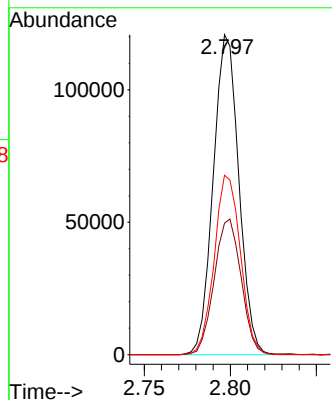
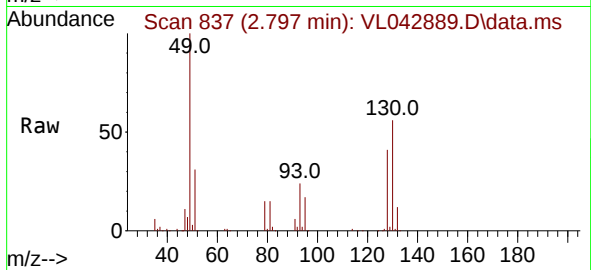




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 81
Delta R.T. 0.007 min
Lab File: VL042889.D
Acq: 04 Sep 2025 13:09

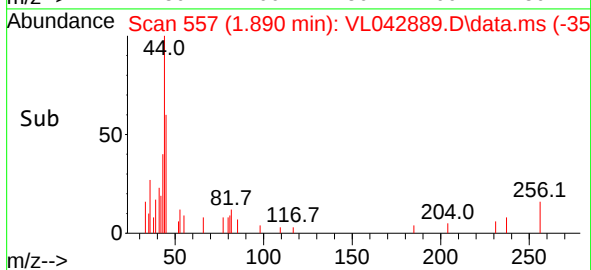
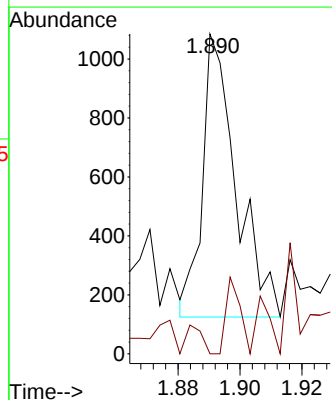
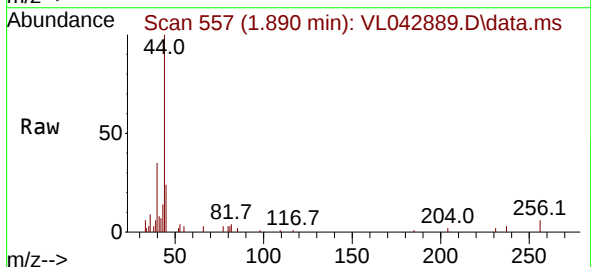
Instrument :
MSVOA_L
ClientSampleId :

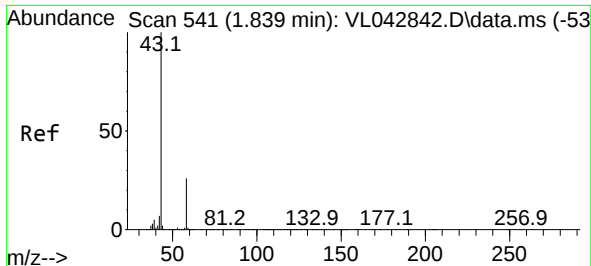
Tgt Ion: 49 Resp: 124977
Ion Ratio Lower Upper
49 100
128 44.6 23.7 71.1
130 57.4 30.6 91.6



#13
Ethanol
Concen: 0.908 ppbv
RT: 1.890 min Scan# 557
Delta R.T. 0.168 min
Lab File: VL042889.D
Acq: 04 Sep 2025 13:09

Tgt Ion: 45 Resp: 726
Ion Ratio Lower Upper
45 100
46 46.0 17.5 69.9

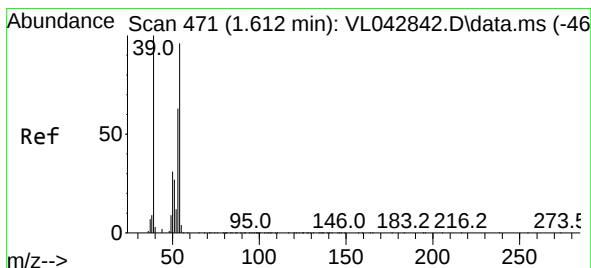
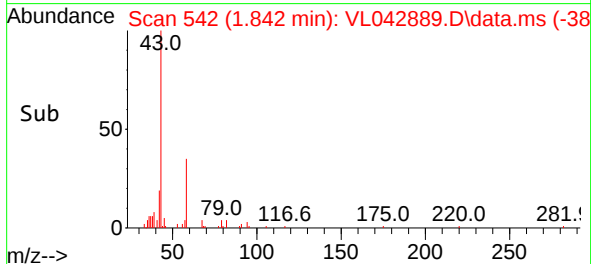
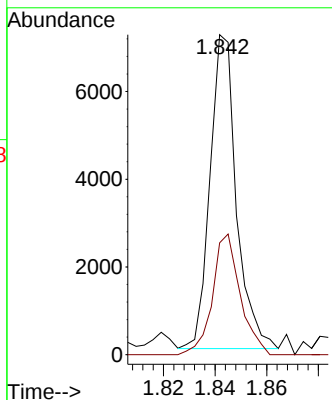
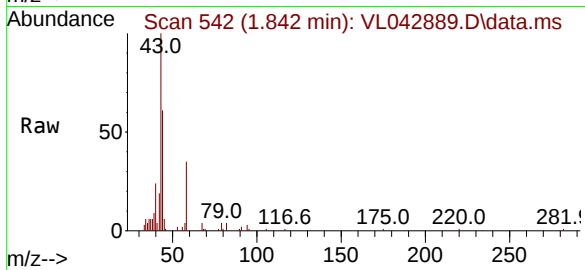




#15
Acetone
Concen: 0.307 ppbv
RT: 1.842 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL042889.D
Acq: 04 Sep 2025 13:09

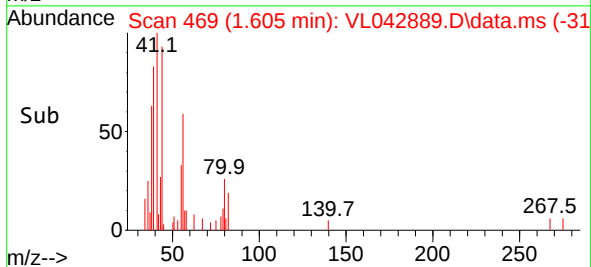
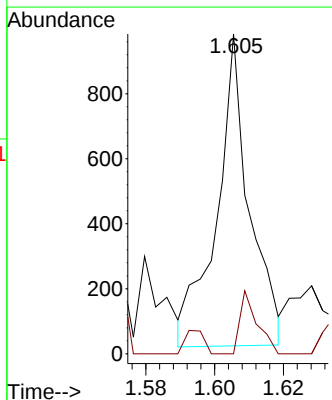
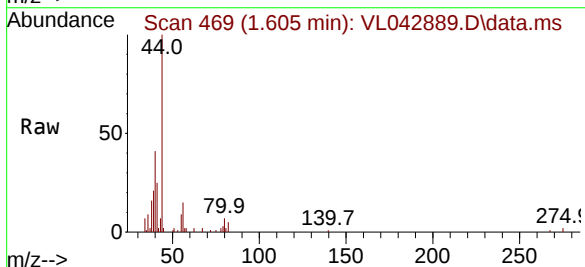
Instrument :
MSVOA_L
ClientSampleId :

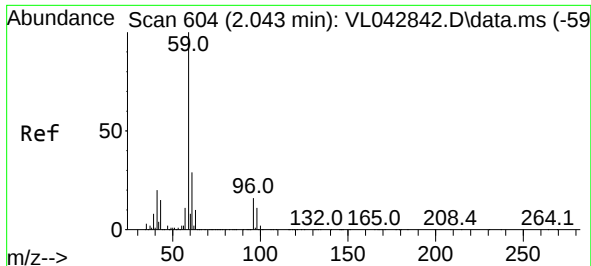
Tgt Ion: 43 Resp: 5069
Ion Ratio Lower Upper
43 100
58 40.4 22.4 33.6#



#16
1,3-Butadiene
Concen: 0.084 ppbv
RT: 1.605 min Scan# 469
Delta R.T. -0.007 min
Lab File: VL042889.D
Acq: 04 Sep 2025 13:09

Tgt Ion: 39 Resp: 630
Ion Ratio Lower Upper
39 100
54 15.1 63.6 95.4#





#17

tert-Butyl alcohol

Concen: 0.071 ppbv

RT: 2.052 min Scan# 604

Delta R.T. 0.010 min

Lab File: VL042889.D

Acq: 04 Sep 2025 13:09

Instrument :

MSVOA_L

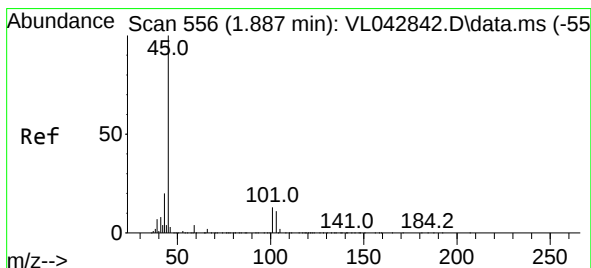
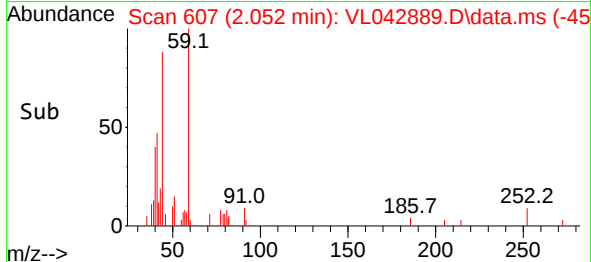
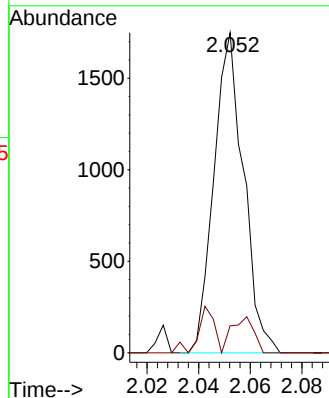
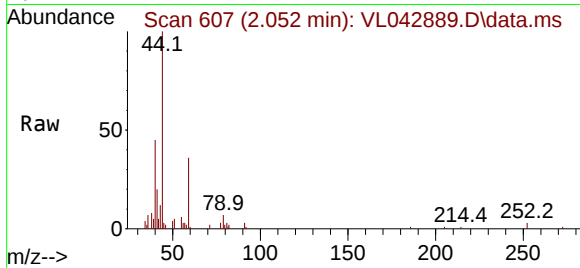
ClientSampleId :

Tgt Ion: 59 Resp: 1393

Ion Ratio Lower Upper

59 100

57 16.2 9.0 13.4#



#19

Isopropyl Alcohol

Concen: 0.074 ppbv

RT: 1.890 min Scan# 557

Delta R.T. 0.003 min

Lab File: VL042889.D

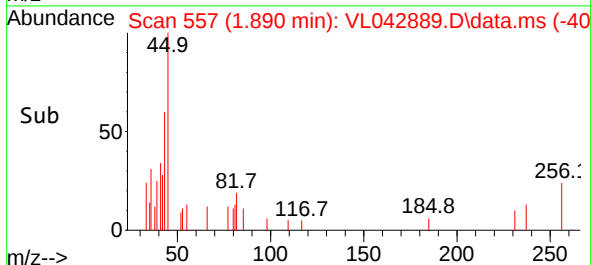
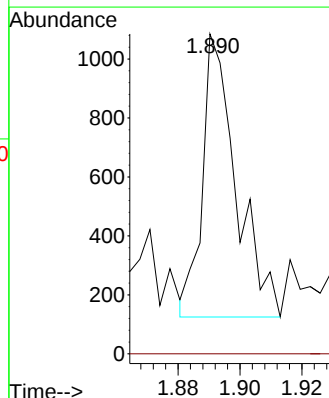
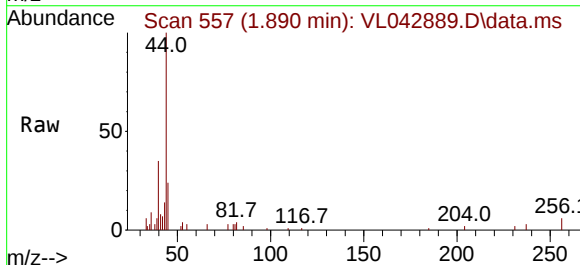
Acq: 04 Sep 2025 13:09

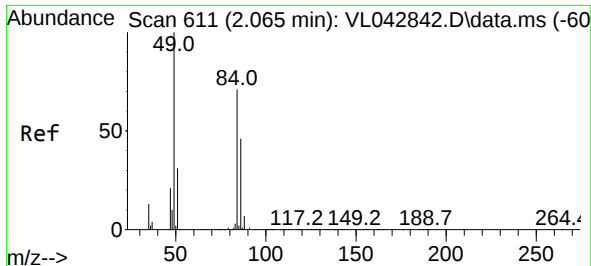
Tgt Ion: 45 Resp: 726

Ion Ratio Lower Upper

45 100

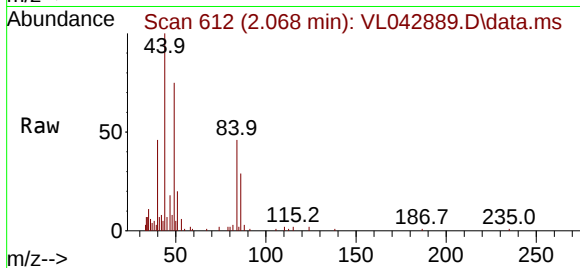
58 282.2 32.7 49.1#



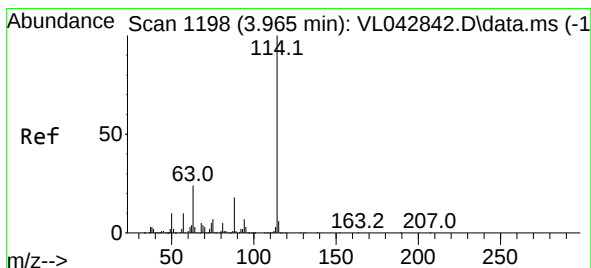
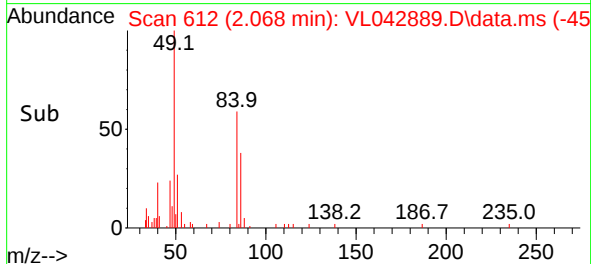
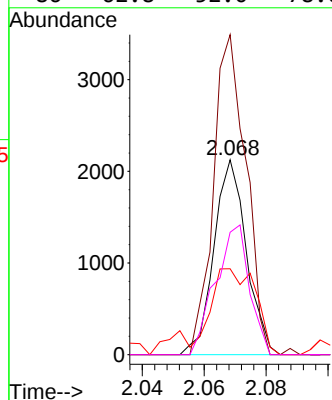


#20
Methylene Chloride
Concen: 0.224 ppbv
RT: 2.068 min Scan# 611
Delta R.T. 0.003 min
Lab File: VL042889.D
Acq: 04 Sep 2025 13:09

Instrument :
MSVOA_L
ClientSampleId :

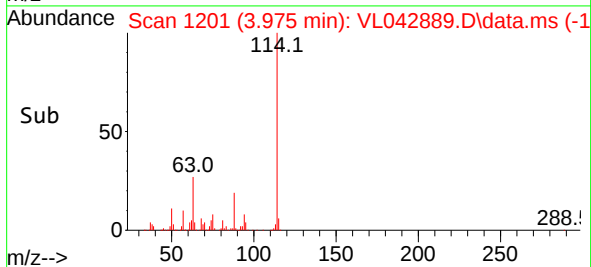
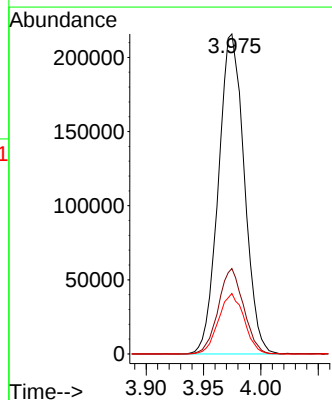
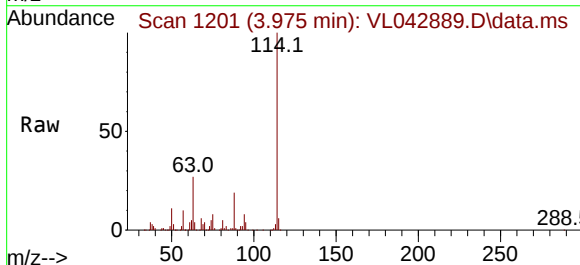


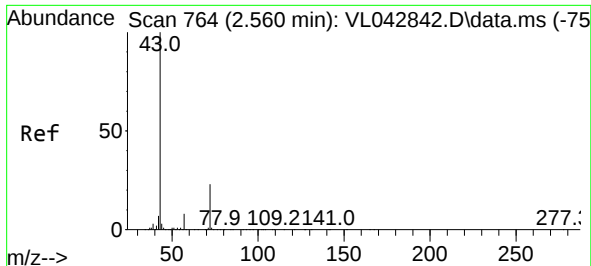
Tgt Ion: 84 Resp: 1548
Ion Ratio Lower Upper
84 100
49 164.2 112.3 168.5
51 44.1 36.0 54.0
86 62.8 52.0 78.0



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.975 min Scan# 1201
Delta R.T. 0.010 min
Lab File: VL042889.D
Acq: 04 Sep 2025 13:09

Tgt Ion: 114 Resp: 337917
Ion Ratio Lower Upper
114 100
63 26.2 19.7 29.5
88 18.7 14.4 21.6

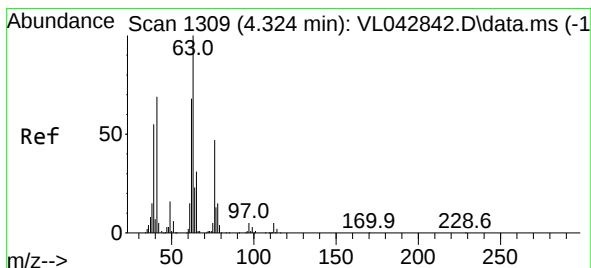
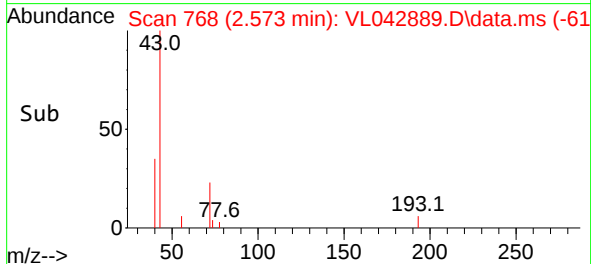
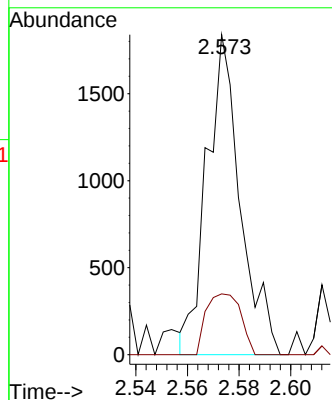
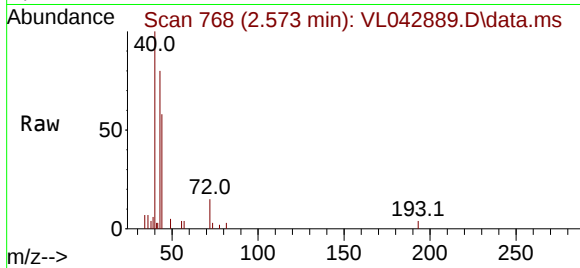




#34
2-Butanone
Concen: 0.073 ppbv
RT: 2.573 min Scan# 70
Delta R.T. 0.013 min
Lab File: VL042889.D
Acq: 04 Sep 2025 13:09

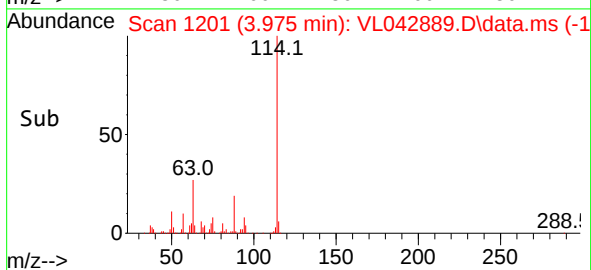
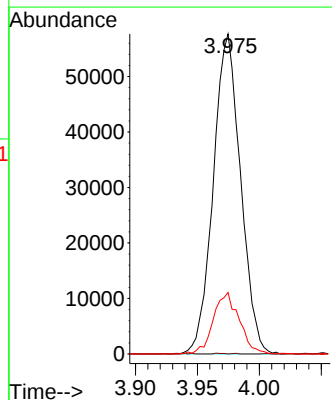
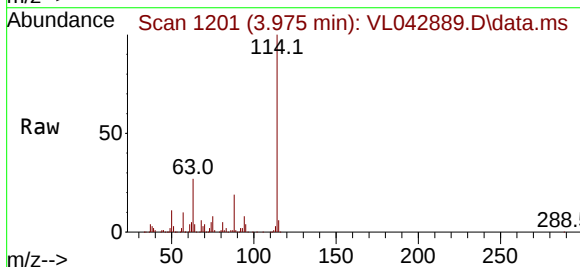
Instrument :
MSVOA_L
ClientSampleId :

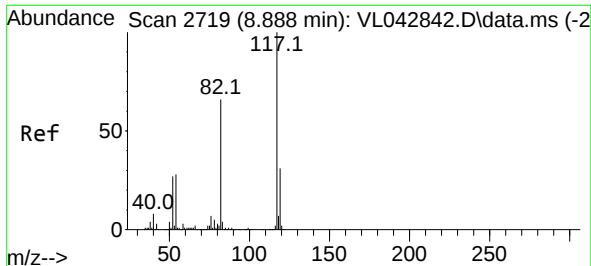
Tgt Ion: 43 Resp: 1660
Ion Ratio Lower Upper
43 100
72 19.6 18.6 28.0



#39
1,2-Dichloropropane
Concen: 7.499 ppbv
RT: 3.975 min Scan# 1201
Delta R.T. -0.350 min
Lab File: VL042889.D
Acq: 04 Sep 2025 13:09

Tgt Ion: 63 Resp: 88626
Ion Ratio Lower Upper
63 100
41 0.0 55.0 82.4#
62 19.2 54.4 81.6#

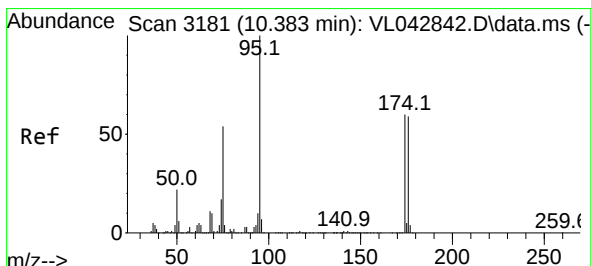
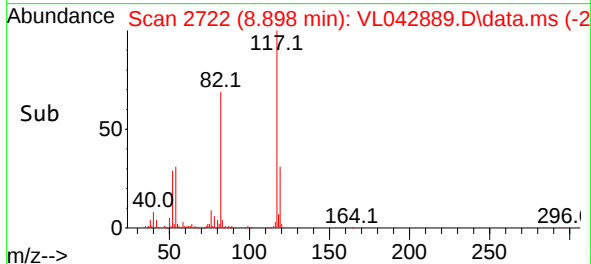
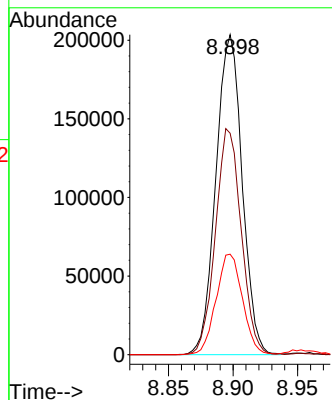
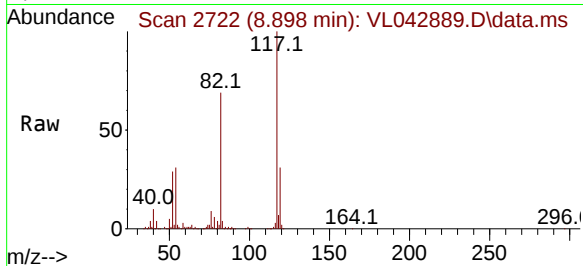




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.898 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL042889.D
Acq: 04 Sep 2025 13:09

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 288118
Ion Ratio Lower Upper
117 100
82 69.4 54.6 81.8
119 31.6 25.9 38.9



#68
1-Bromo-4-Fluorobenzene
Concen: 10.265 ppbv
RT: 10.390 min Scan# 3183
Delta R.T. 0.006 min
Lab File: VL042889.D
Acq: 04 Sep 2025 13:09

Tgt Ion: 95 Resp: 221808
Ion Ratio Lower Upper
95 100
174 56.6 48.4 72.6
175 4.0 3.8 5.8

