

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031725\
 Data File : VL042157.D
 Acq On : 17 Mar 2025 14:41
 Operator : SY/MD
 Sample : Q1586-03DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 557-SG-2DL

Quant Time: Mar 18 01:25:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Feb 26 01:08:36 2025
 Response via : Initial Calibration

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

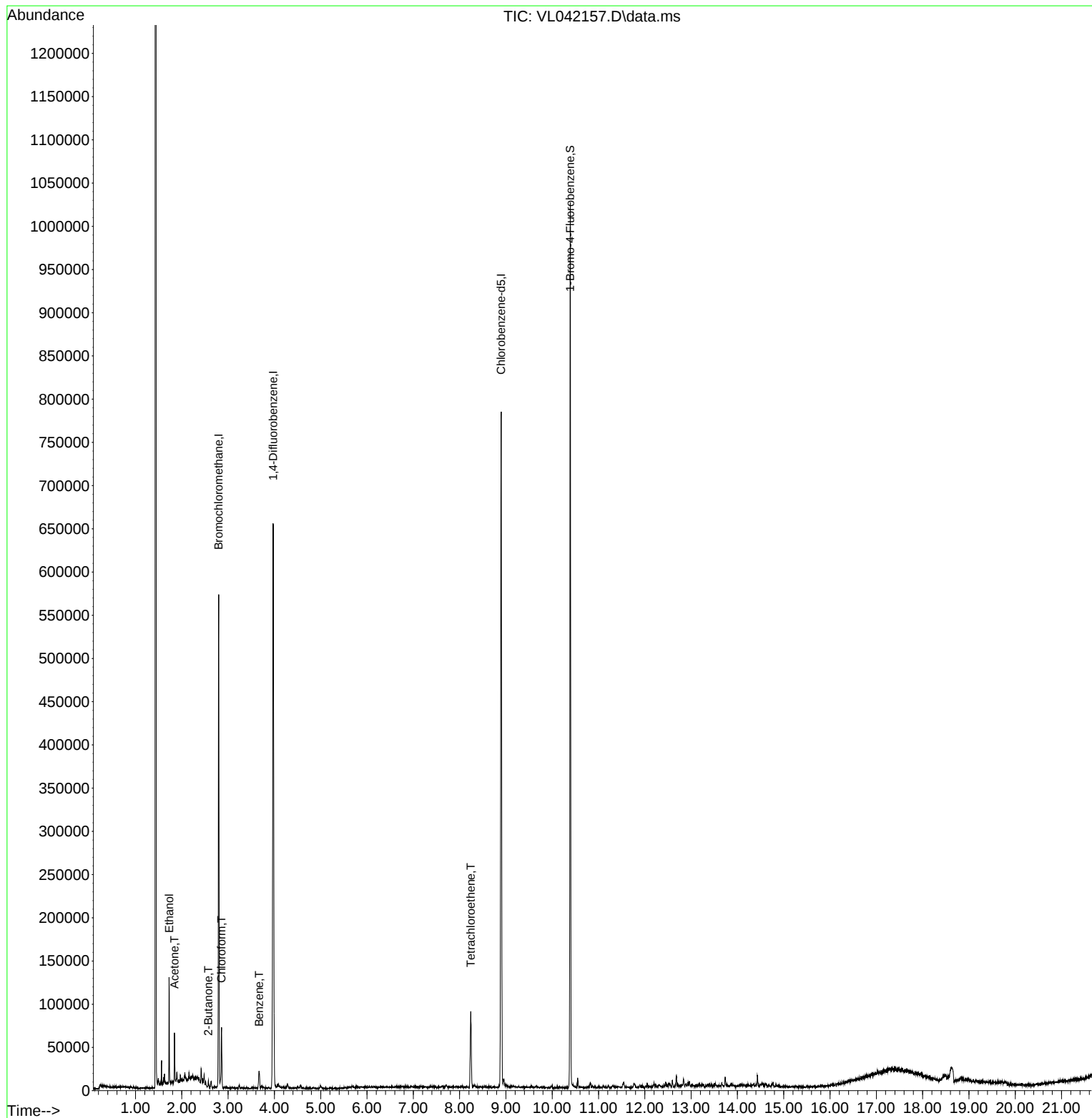
Internal Standards						
1) Bromochloromethane	2.797	49	165500	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	386181	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.895	117	319433	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	241867	9.842	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.400%
Target Compounds						
					Qvalue	
13) Ethanol	1.725	45	42027	67.562	ppbv	90
15) Acetone	1.842	43	23433	1.603	ppbv	95
29) Chloroform	2.858	83	26968	0.847	ppbv	98
34) 2-Butanone	2.573	43	4769	0.159	ppbv	98
36) Benzene	3.671	78	12664	0.313	ppbv	98
52) Tetrachloroethene	8.241	164	16168	1.168	ppbv	89

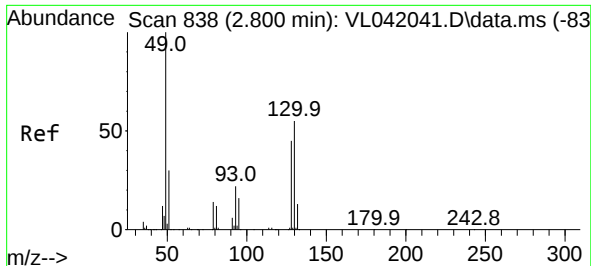
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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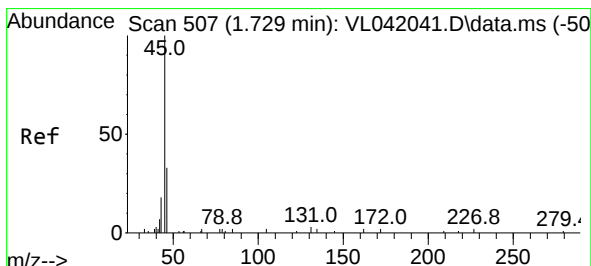
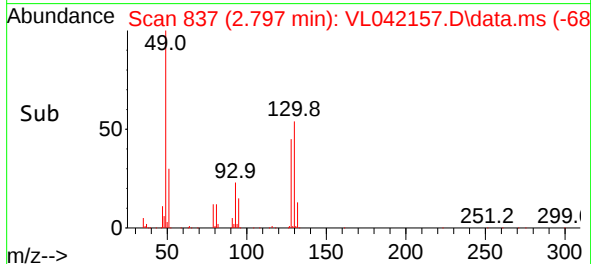
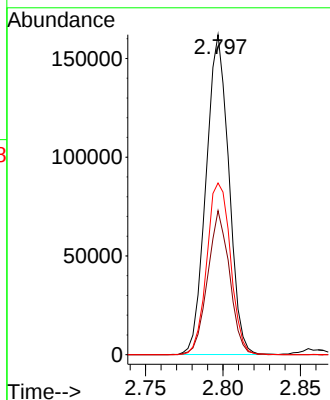
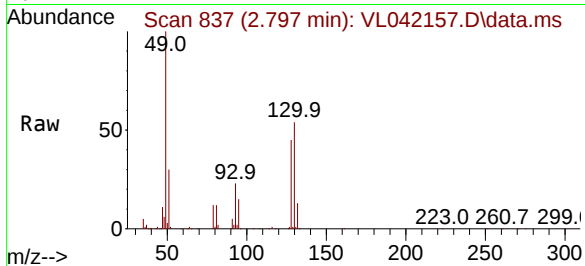




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL042157.D
Acq: 17 Mar 2025 14:41

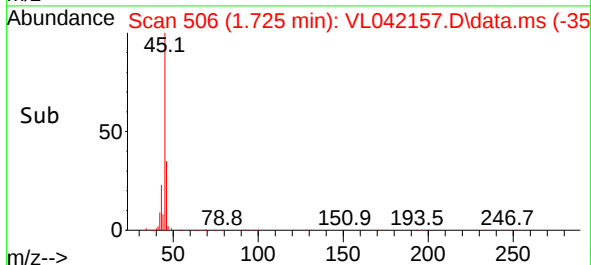
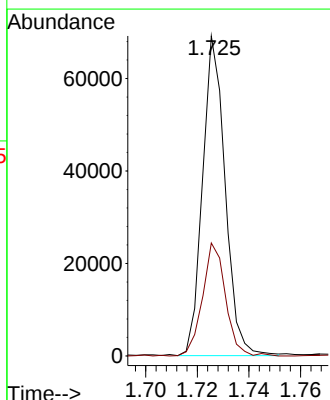
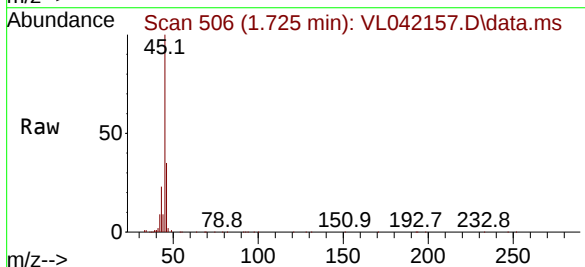
Instrument :
MSVOA_L
ClientSampleId :
557-SG-2DL

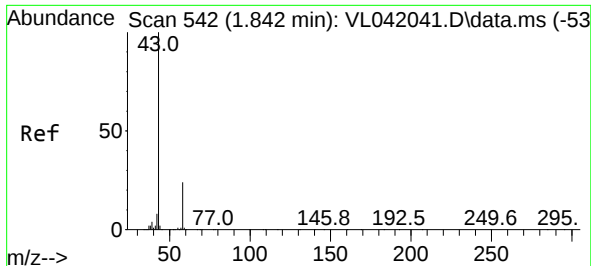
Tgt Ion: 49 Resp: 165500
Ion Ratio Lower Upper
49 100
128 43.2 21.6 64.8
130 55.9 27.8 83.4



#13
Ethanol
Concen: 67.562 ppbv
RT: 1.725 min Scan# 506
Delta R.T. -0.003 min
Lab File: VL042157.D
Acq: 17 Mar 2025 14:41

Tgt Ion: 45 Resp: 42027
Ion Ratio Lower Upper
45 100
46 36.1 17.1 68.3

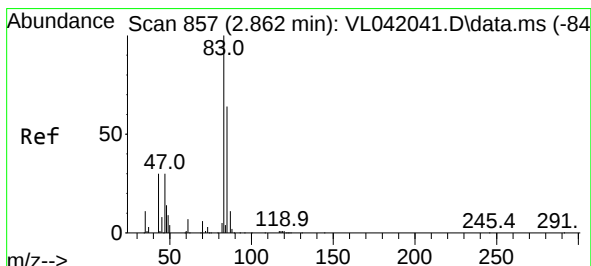
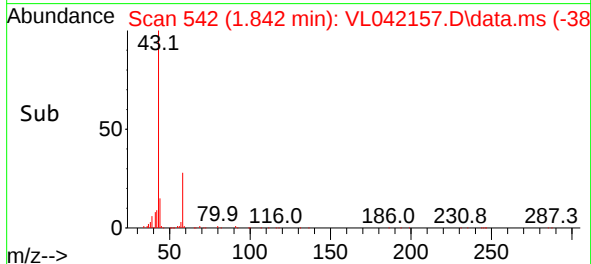
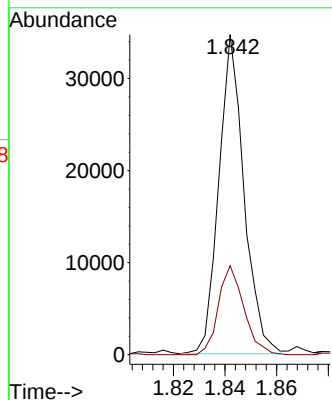
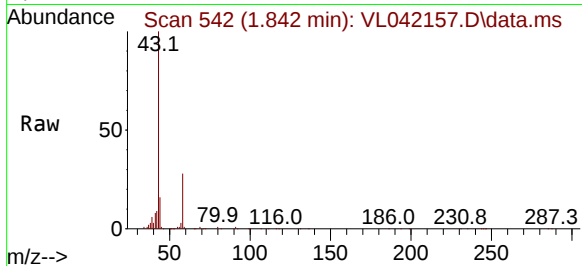




#15
Acetone
Concen: 1.603 ppbv
RT: 1.842 min Scan# 541
Delta R.T. -0.000 min
Lab File: VL042157.D
Acq: 17 Mar 2025 14:41

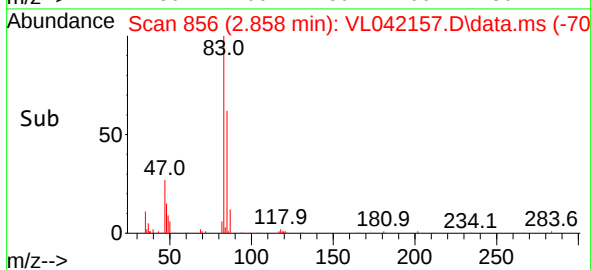
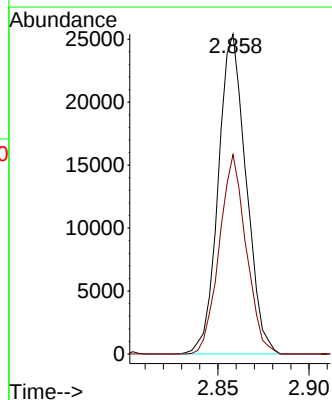
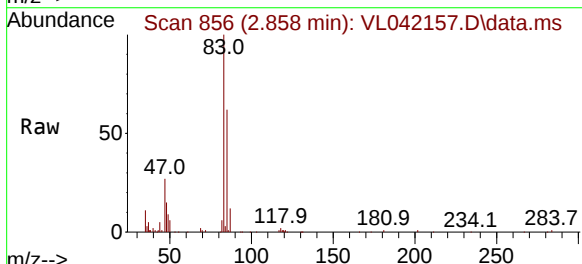
Instrument :
MSVOA_L
ClientSampleId :
557-SG-2DL

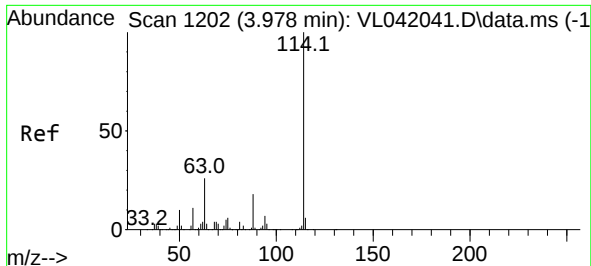
Tgt Ion: 43 Resp: 23433
Ion Ratio Lower Upper
43 100
58 28.4 20.7 31.1



#29
Chloroform
Concen: 0.847 ppbv
RT: 2.858 min Scan# 856
Delta R.T. -0.003 min
Lab File: VL042157.D
Acq: 17 Mar 2025 14:41

Tgt Ion: 83 Resp: 26968
Ion Ratio Lower Upper
83 100
85 62.3 51.2 76.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.975 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL042157.D

Acq: 17 Mar 2025 14:41

Instrument :

MSVOA_L

ClientSampleId :

557-SG-2DL

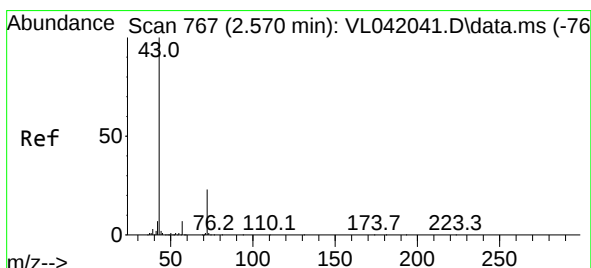
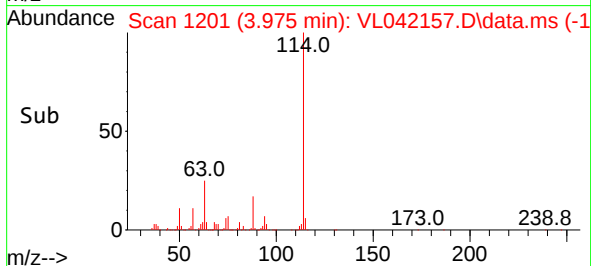
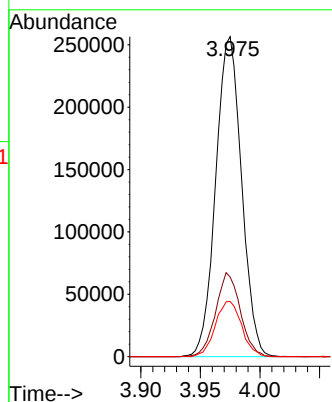
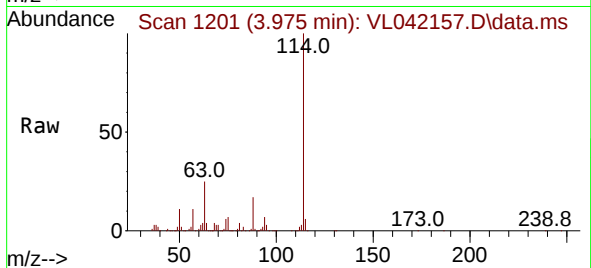
Tgt Ion:114 Resp: 386181

Ion Ratio Lower Upper

114 100

63 25.2 20.1 30.1

88 17.6 14.3 21.5



#34

2-Butanone

Concen: 0.159 ppbv

RT: 2.573 min Scan# 768

Delta R.T. 0.003 min

Lab File: VL042157.D

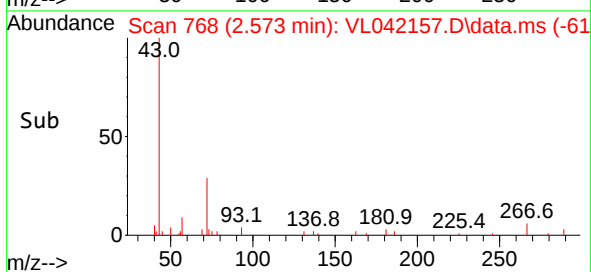
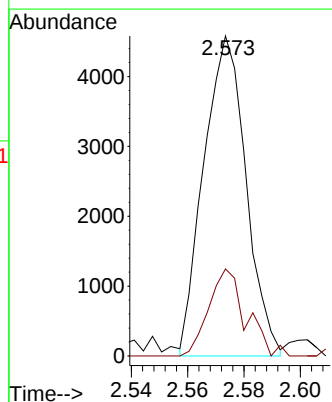
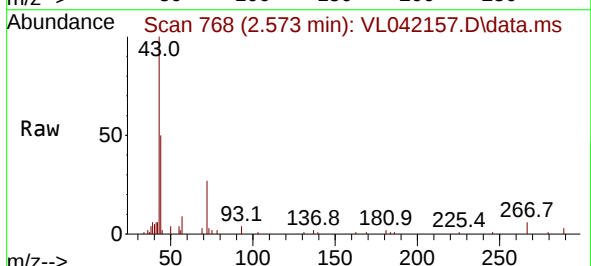
Acq: 17 Mar 2025 14:41

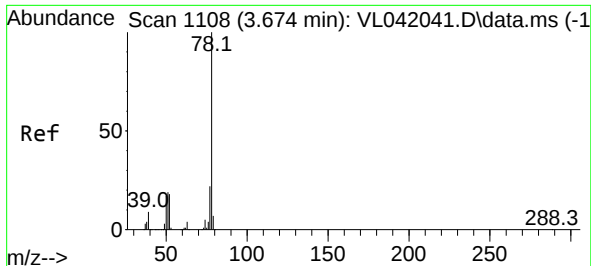
Tgt Ion: 43 Resp: 4769

Ion Ratio Lower Upper

43 100

72 24.3 18.5 27.7

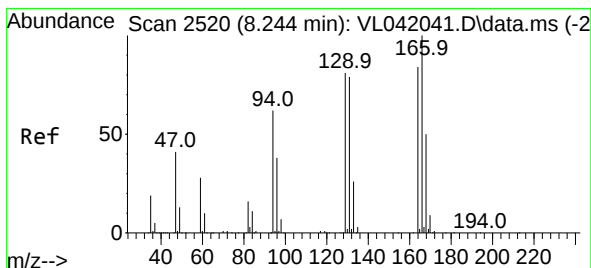
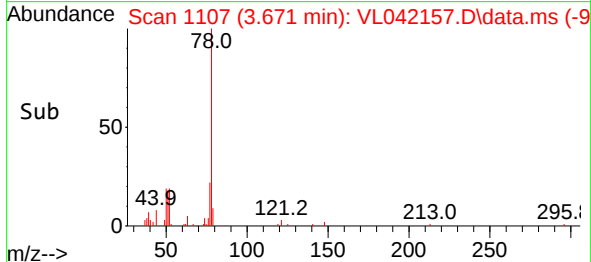
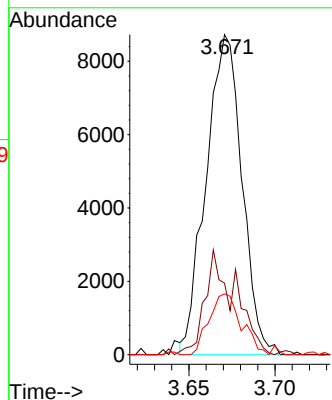
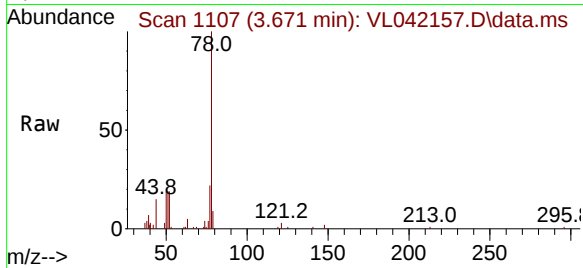




#36
Benzene
Concen: 0.313 ppbv
RT: 3.671 min Scan# 1108
Delta R.T. -0.003 min
Lab File: VL042157.D
Acq: 17 Mar 2025 14:41

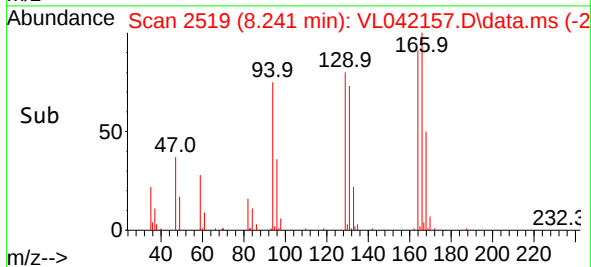
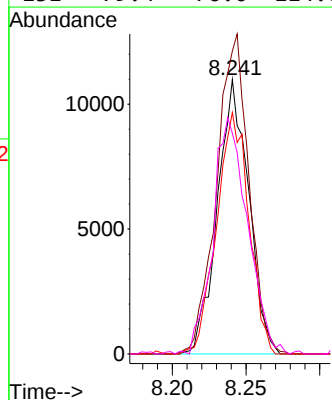
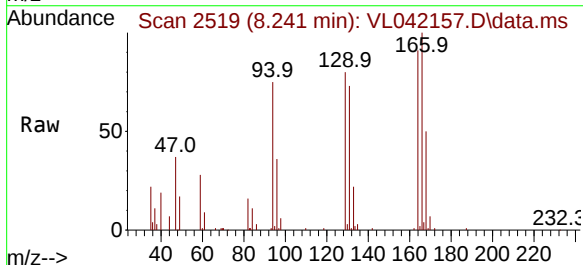
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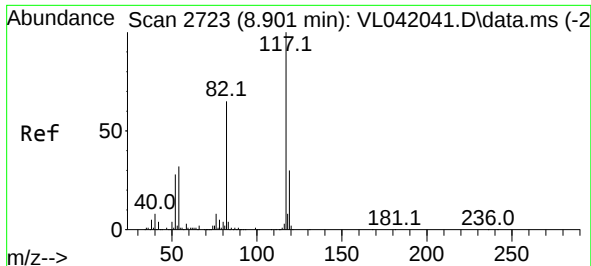
Tgt Ion: 78 Resp: 12664
Ion Ratio Lower Upper
78 100
77 21.5 17.7 26.5
50 19.0 13.9 20.9



#52
Tetrachloroethene
Concen: 1.168 ppbv
RT: 8.241 min Scan# 2519
Delta R.T. -0.003 min
Lab File: VL042157.D
Acq: 17 Mar 2025 14:41

Tgt Ion: 164 Resp: 16168
Ion Ratio Lower Upper
164 100
166 109.8 95.7 143.5
129 88.0 77.1 115.7
131 79.4 76.0 114.0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.895 min Scan# 21

Delta R.T. -0.007 min

Lab File: VL042157.D

Acq: 17 Mar 2025 14:41

Instrument :

MSVOA_L

ClientSampleId :

557-SG-2DL

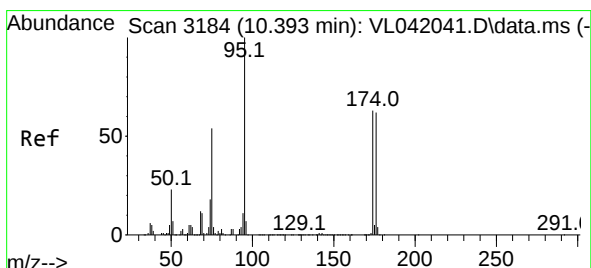
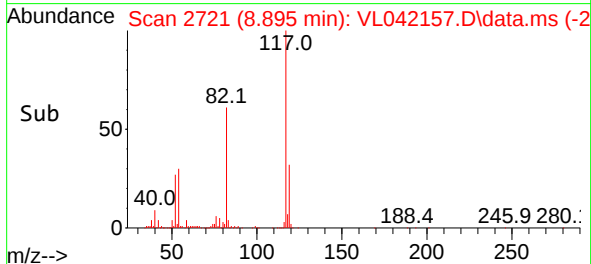
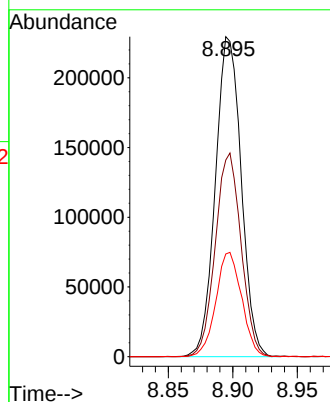
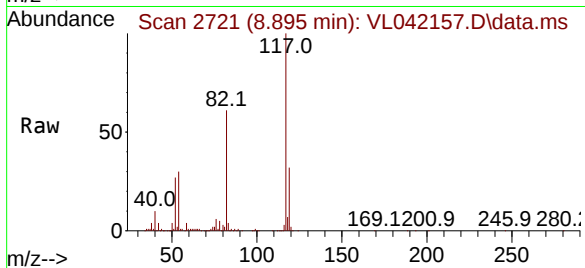
Tgt Ion:117 Resp: 319433

Ion Ratio Lower Upper

117 100

82 63.7 55.0 82.6

119 32.6 25.9 38.9



#68

1-Bromo-4-Fluorobenzene

Concen: 9.842 ppbv

RT: 10.390 min Scan# 3183

Delta R.T. -0.003 min

Lab File: VL042157.D

Acq: 17 Mar 2025 14:41

Tgt Ion: 95 Resp: 241867

Ion Ratio Lower Upper

95 100

174 64.7 51.8 77.6

175 4.7 3.9 5.9

