

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062725\
 Data File : VL042676.D
 Acq On : 27 Jun 2025 12:57
 Operator : SY/MD
 Sample : Q2432-01DL 100X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Quant Time: Jun 27 23:04:06 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	2.780	49	110587	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	292442	10.000	ppbv	-0.01
55) Chlorobenzene-d5	8.872	117	252771	10.000	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	195816	10.334	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.300%

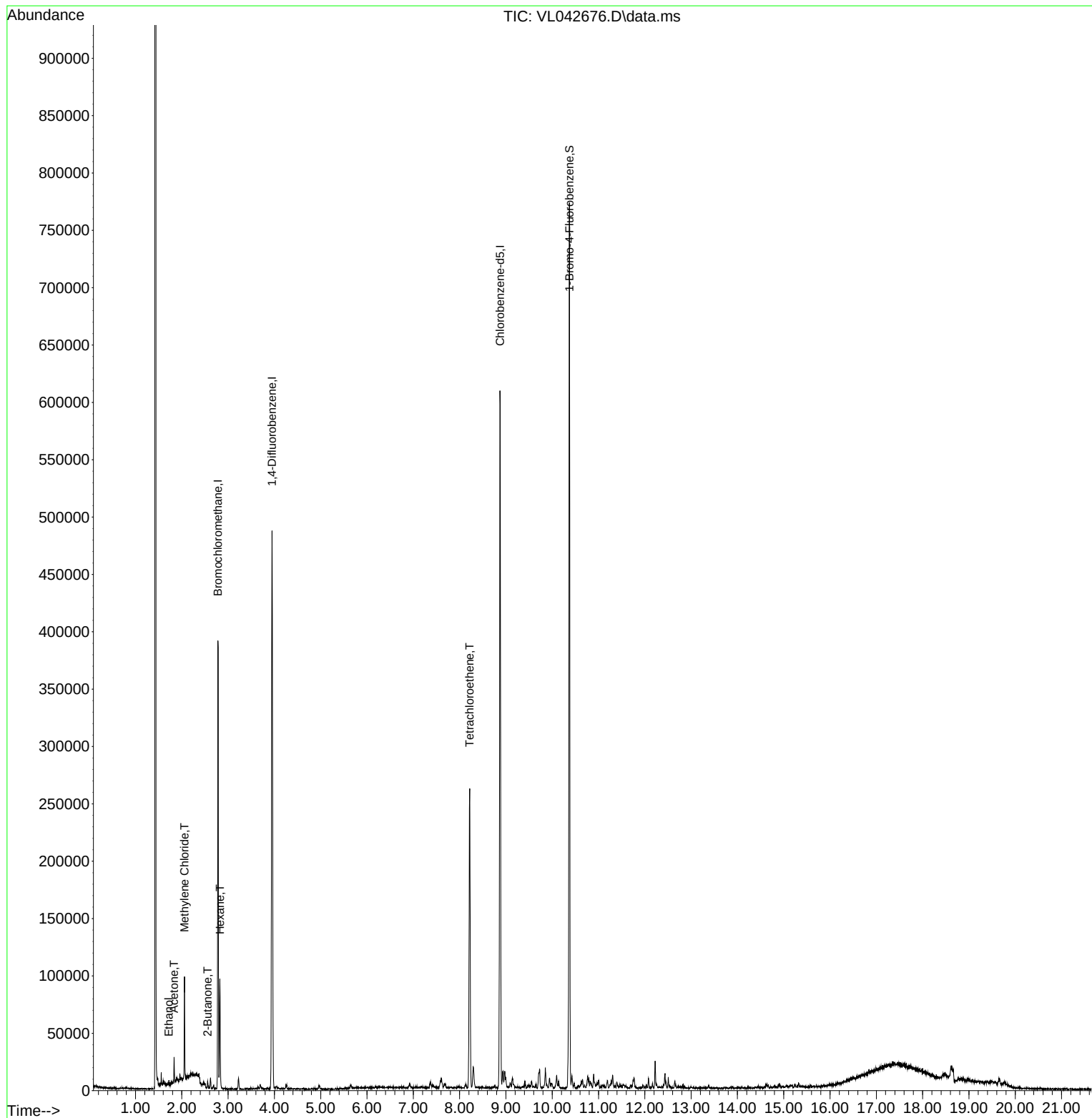
Target Compounds					Qvalue
13) Ethanol	1.719	45	1139m	1.268	ppbv
15) Acetone	1.832	43	9339	0.701	ppbv
20) Methylene Chloride	2.059	84	13086	2.977	ppbv
26) Hexane	2.822	57	21578	1.303	ppbv #
34) 2-Butanone	2.557	43	4064m	0.195	ppbv
52) Tetrachloroethene	8.215	164	46894	4.358	ppbv

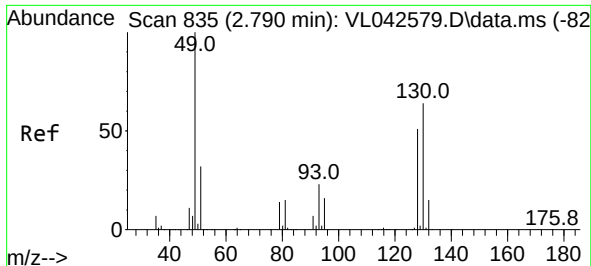
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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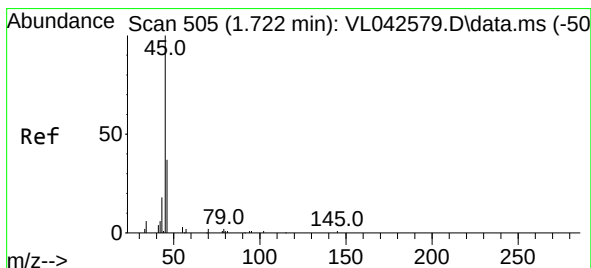
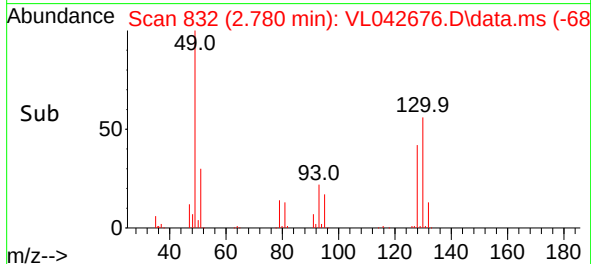
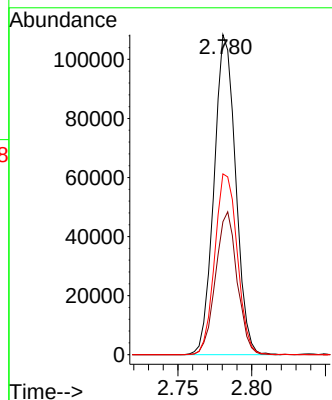
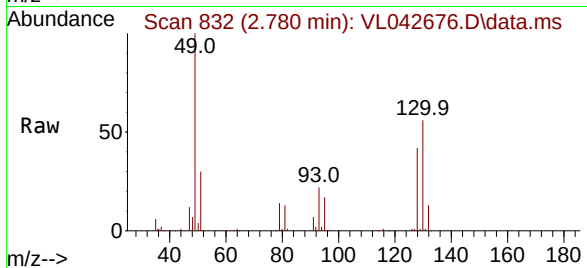




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.780 min Scan# 81
Delta R.T. -0.010 min
Lab File: VL042676.D
Acq: 27 Jun 2025 12:57

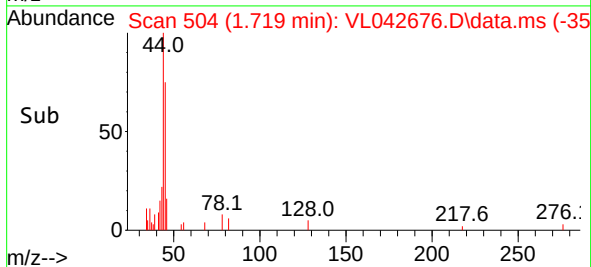
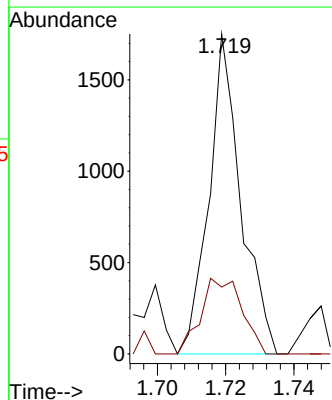
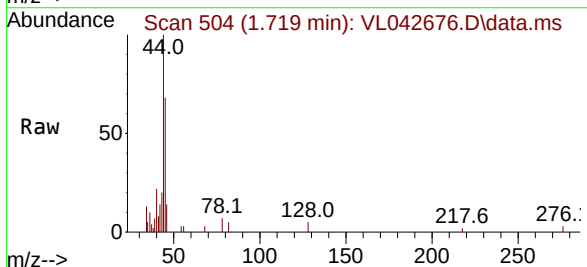
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

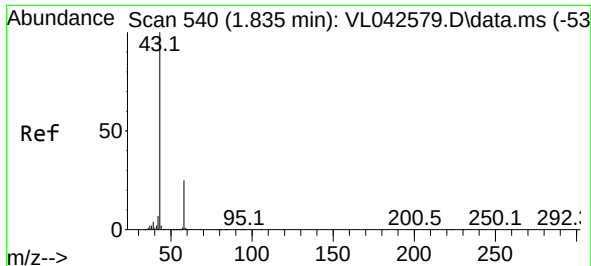
Tgt Ion: 49 Resp: 110587
Ion Ratio Lower Upper
49 100
128 44.6 24.2 72.6
130 58.7 30.4 91.2



#13
Ethanol
Concen: 1.268 ppbv m
RT: 1.719 min Scan# 504
Delta R.T. -0.003 min
Lab File: VL042676.D
Acq: 27 Jun 2025 12:57

Tgt Ion: 45 Resp: 1139
Ion Ratio Lower Upper
45 100
46 0.0 14.5 58.1#





#15

Acetone

Concen: 0.701 ppbv

RT: 1.832 min Scan# 51

Delta R.T. -0.003 min

Lab File: VL042676.D

Acq: 27 Jun 2025 12:57

Instrument :

MSVOA_L

ClientSampleId :

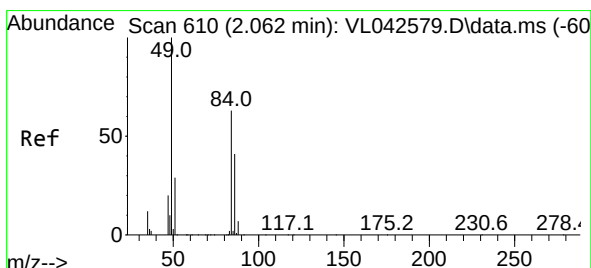
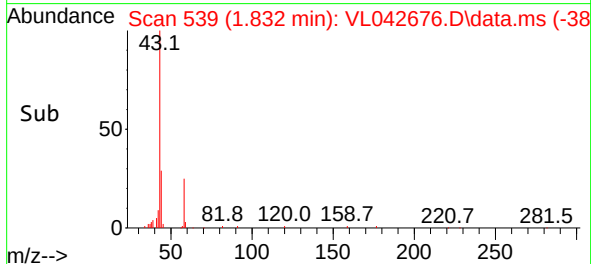
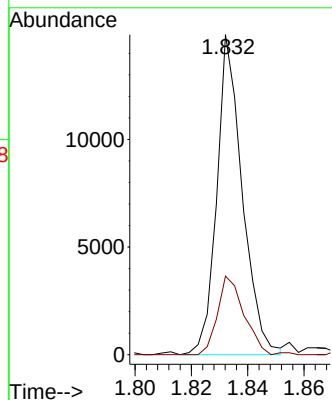
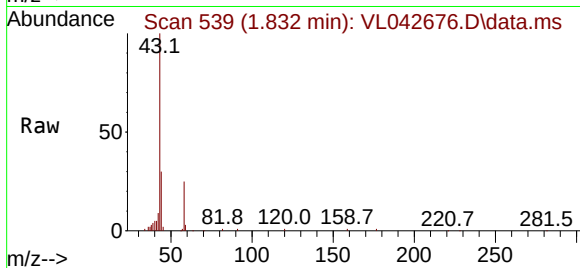
SV1DL

Tgt Ion: 43 Resp: 9339

Ion Ratio Lower Upper

43 100

58 25.6 21.0 31.4



#20

Methylene Chloride

Concen: 2.977 ppbv

RT: 2.059 min Scan# 609

Delta R.T. -0.003 min

Lab File: VL042676.D

Acq: 27 Jun 2025 12:57

Tgt Ion: 84 Resp: 13086

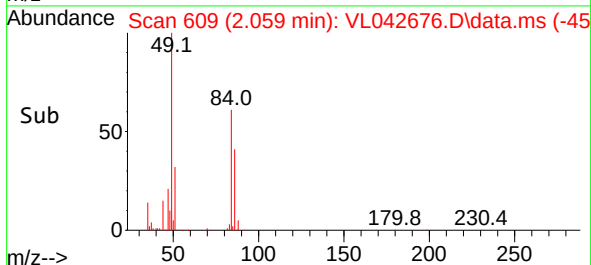
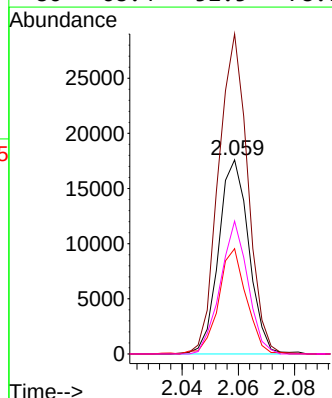
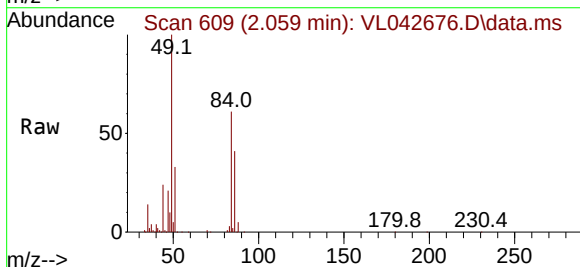
Ion Ratio Lower Upper

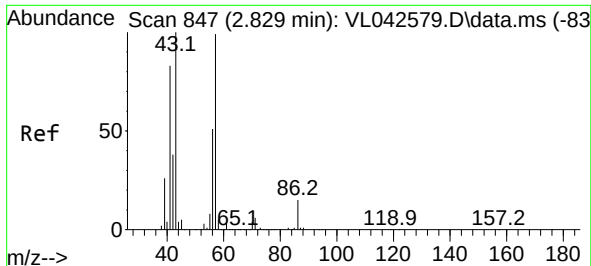
84 100

49 164.4 128.8 193.2

51 54.2 38.6 57.8

86 68.4 52.5 78.7

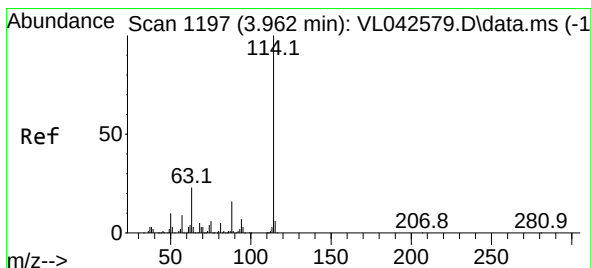
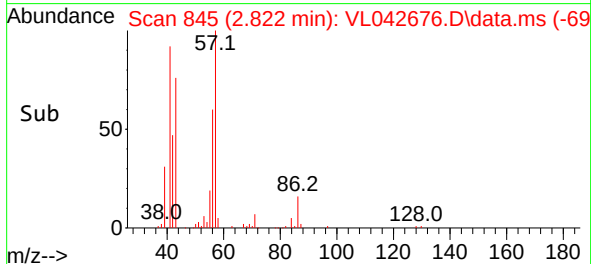
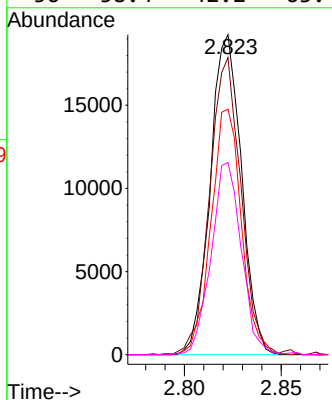
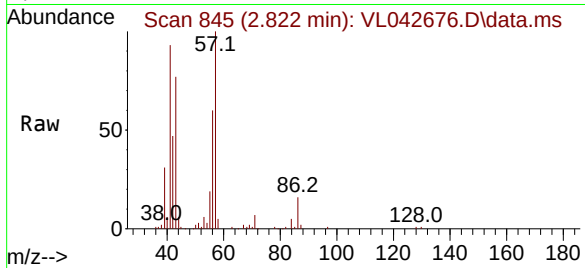




#26
Hexane
Concen: 1.303 ppbv
RT: 2.822 min Scan# 847
Delta R.T. -0.007 min
Lab File: VL042676.D
Acq: 27 Jun 2025 12:57

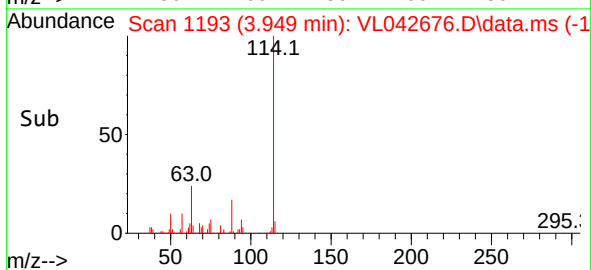
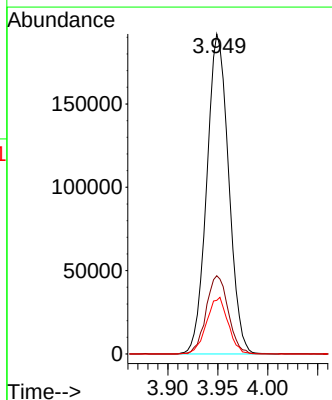
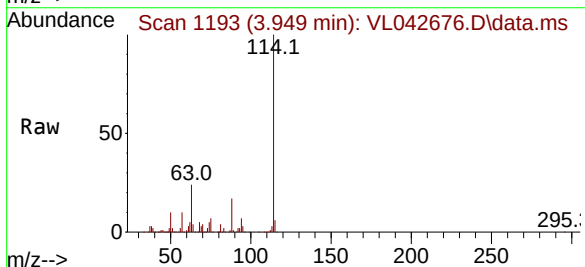
Instrument :
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ClientSampleId :
SV1DL

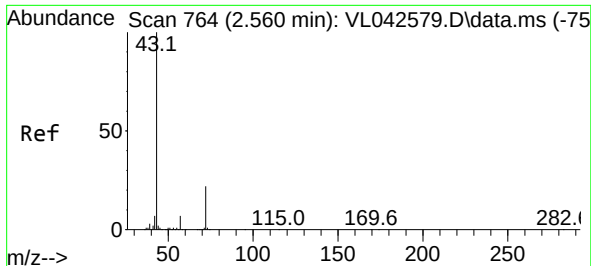
Tgt Ion: 57 Resp: 21578
Ion Ratio Lower Upper
57 100
41 93.3 70.6 106.0
43 74.9 181.1 271.7#
56 58.4 42.2 63.4



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.949 min Scan# 1193
Delta R.T. -0.013 min
Lab File: VL042676.D
Acq: 27 Jun 2025 12:57

Tgt Ion:114 Resp: 292442
Ion Ratio Lower Upper
114 100
63 24.8 19.0 28.6
88 17.4 13.6 20.4

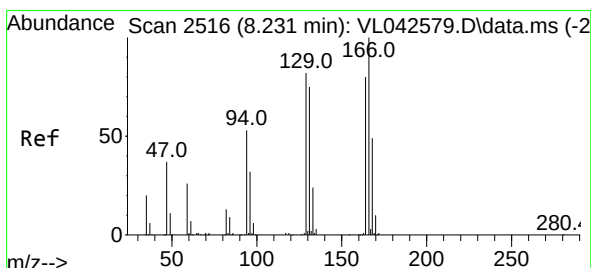
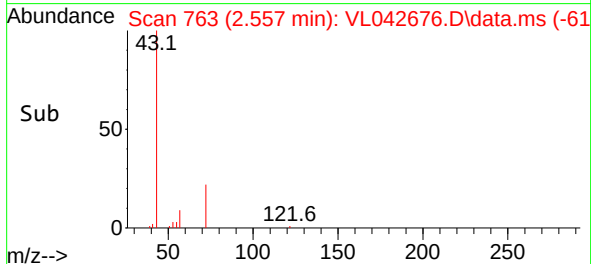
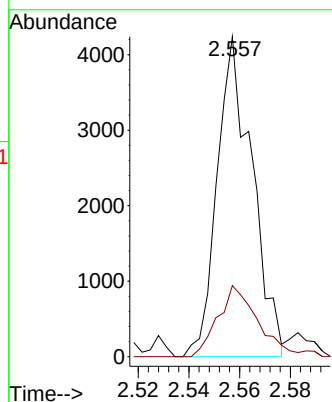
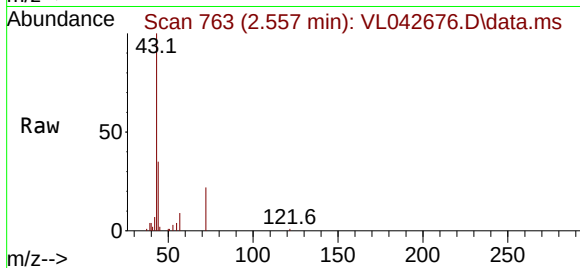




#34
2-Butanone
Concen: 0.195 ppbv m
RT: 2.557 min Scan# 7
Delta R.T. -0.003 min
Lab File: VL042676.D
Acq: 27 Jun 2025 12:57

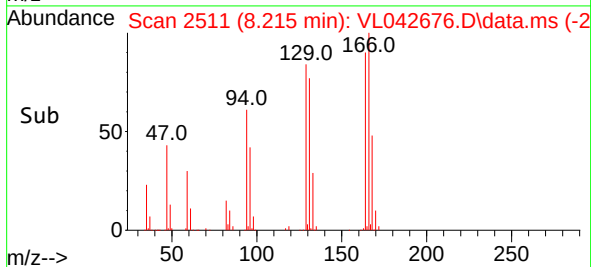
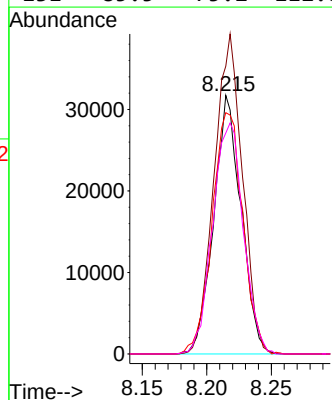
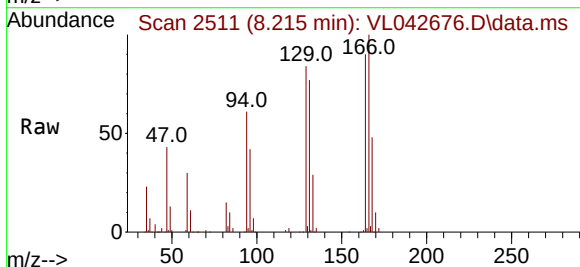
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

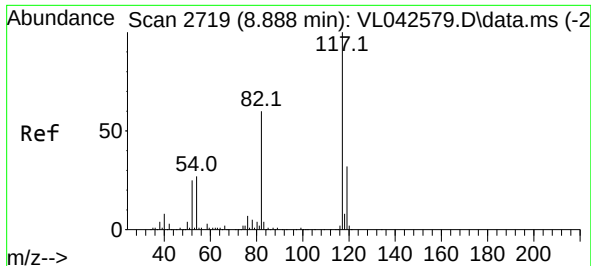
Tgt Ion: 43 Resp: 4064
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#



#52
Tetrachloroethene
Concen: 4.358 ppbv
RT: 8.215 min Scan# 2511
Delta R.T. -0.016 min
Lab File: VL042676.D
Acq: 27 Jun 2025 12:57

Tgt Ion:164 Resp: 46894
Ion Ratio Lower Upper
164 100
166 111.1 100.0 150.0
129 93.1 82.2 123.4
131 85.5 75.2 112.8

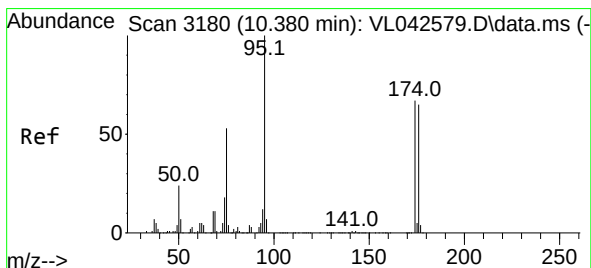
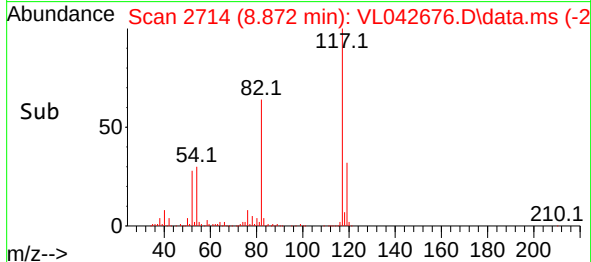
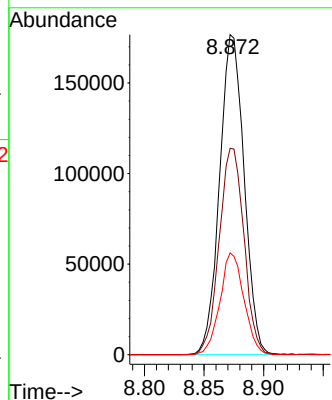
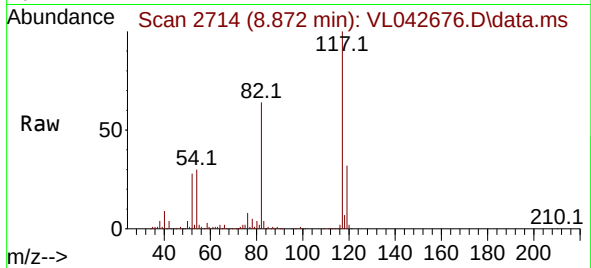




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.872 min Scan# 21
Delta R.T. -0.016 min
Lab File: VL042676.D
Acq: 27 Jun 2025 12:57

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion:117 Resp: 252771
Ion Ratio Lower Upper
117 100
82 65.1 51.2 76.8
119 31.0 26.3 39.5



#68
1-Bromo-4-Fluorobenzene
Concen: 10.334 ppbv
RT: 10.370 min Scan# 3177
Delta R.T. -0.010 min
Lab File: VL042676.D
Acq: 27 Jun 2025 12:57

Tgt Ion: 95 Resp: 195816
Ion Ratio Lower Upper
95 100
174 62.9 53.1 79.7
175 4.5 4.2 6.2

