

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
 Data File : VL042282.D
 Acq On : 09 Apr 2025 02:20
 Operator : SY/MD
 Sample : Q1728-05DL 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SSSG-B2-6-04022025DL

Quant Time: Apr 09 05:22:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-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)

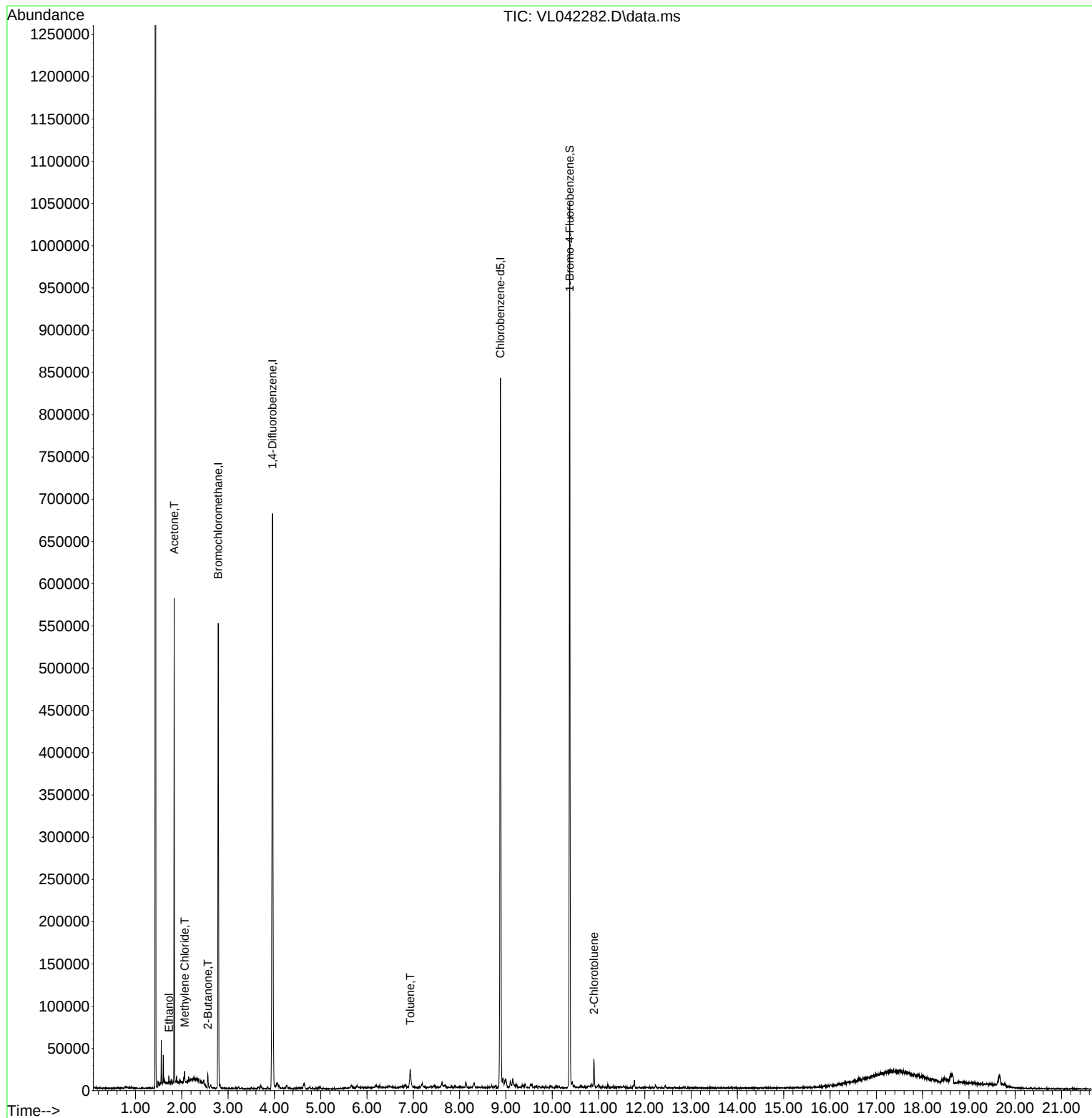
Internal Standards						
1) Bromochloromethane	2.787	49	151544	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	379950	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	331294	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	250221	9.197	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.000%
Target Compounds						
					Qvalue	
13) Ethanol	1.722	45	2925	2.953	ppbv #	27
15) Acetone	1.835	43	240014	11.324	ppbv	95
20) Methylene Chloride	2.062	84	2077	0.263	ppbv #	78
34) 2-Butanone	2.560	43	10478	0.380	ppbv	96
53) Toluene	6.933	91	13969	0.313	ppbv	96
71) 2-Chlorotoluene	10.901	91	11092	0.203	ppbv	94

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

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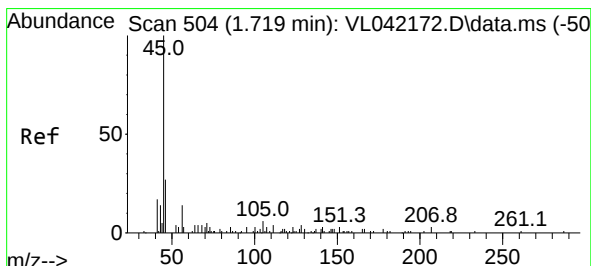
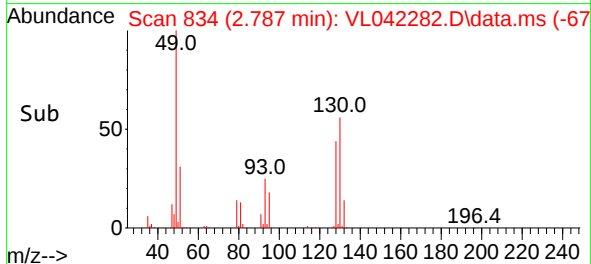
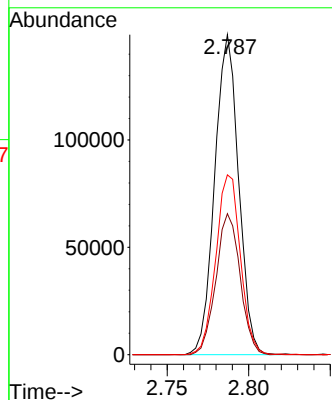
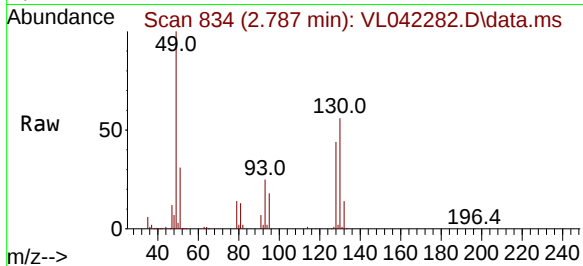




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042282.D
Acq: 09 Apr 2025 02:20

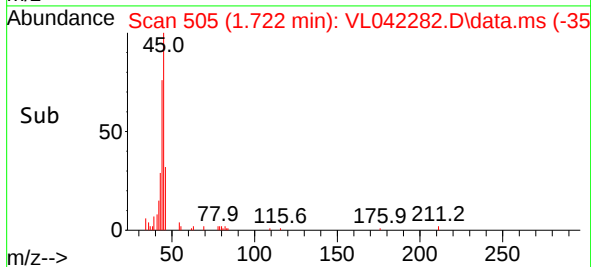
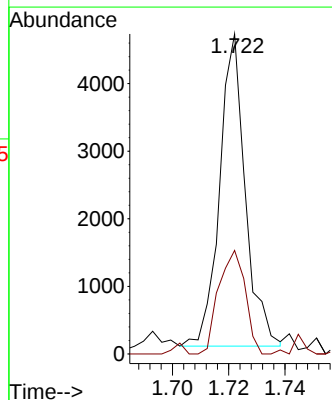
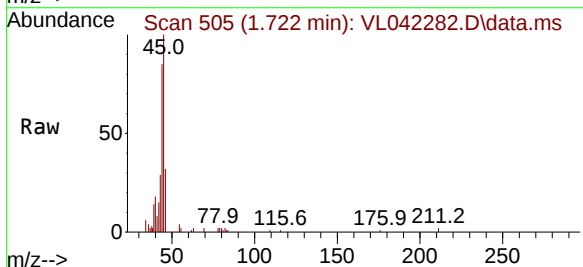
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-6-04022025DL

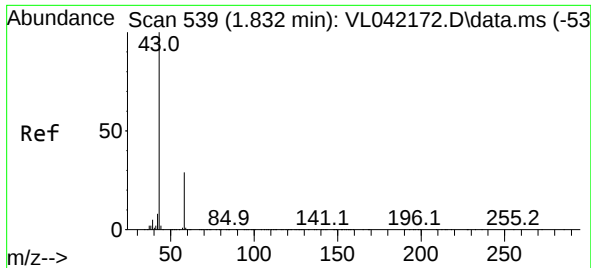
Tgt Ion: 49 Resp: 151544
Ion Ratio Lower Upper
49 100
128 44.7 22.9 68.5
130 57.9 28.8 86.4



#13
Ethanol
Concen: 2.953 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL042282.D
Acq: 09 Apr 2025 02:20

Tgt Ion: 45 Resp: 2925
Ion Ratio Lower Upper
45 100
46 0.0 20.2 80.8#





#15

Acetone

Concen: 11.324 ppbv

RT: 1.835 min Scan# 54

Delta R.T. 0.003 min

Lab File: VL042282.D

Acq: 09 Apr 2025 02:20

Instrument :

MSVOA_L

ClientSampleId :

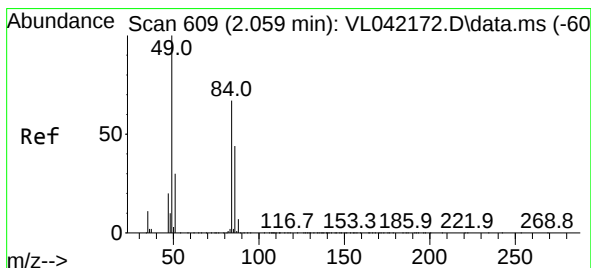
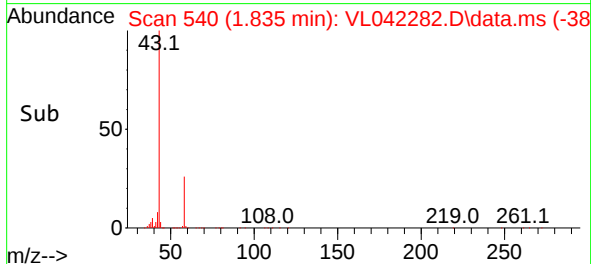
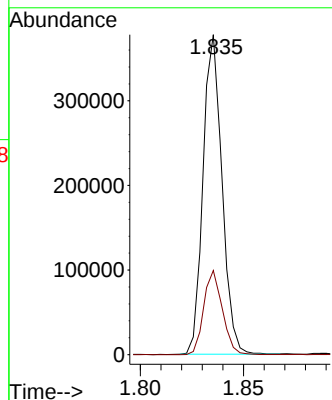
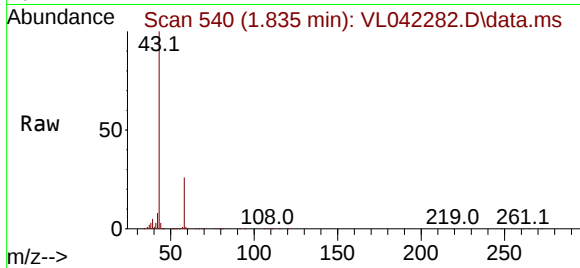
SSSG-B2-6-04022025DL

Tgt Ion: 43 Resp: 240014

Ion Ratio Lower Upper

43 100

58 26.1 23.2 34.8



#20

Methylene Chloride

Concen: 0.263 ppbv

RT: 2.062 min Scan# 610

Delta R.T. 0.003 min

Lab File: VL042282.D

Acq: 09 Apr 2025 02:20

Tgt Ion: 84 Resp: 2077

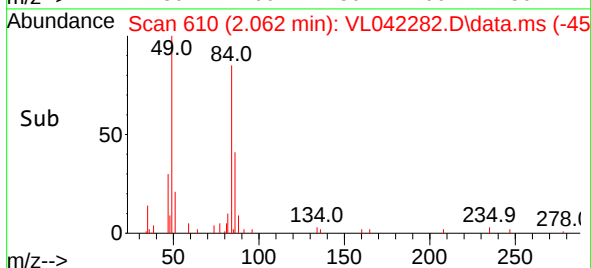
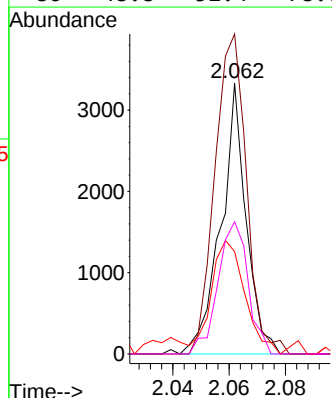
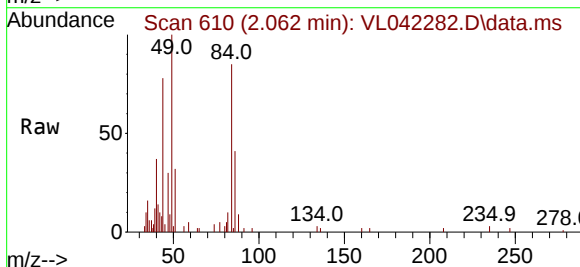
Ion Ratio Lower Upper

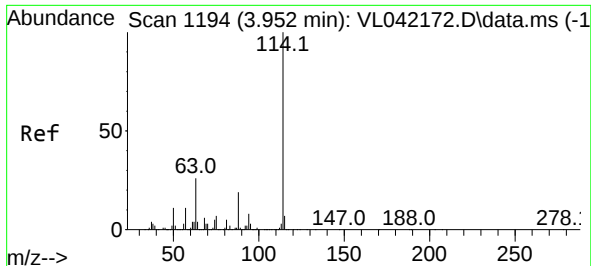
84 100

49 118.2 120.2 180.4#

51 37.8 37.4 56.0

86 48.8 52.4 78.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. 0.006 min

Lab File: VL042282.D

Acq: 09 Apr 2025 02:20

Instrument :

MSVOA_L

ClientSampleId :

SSSG-B2-6-04022025DL

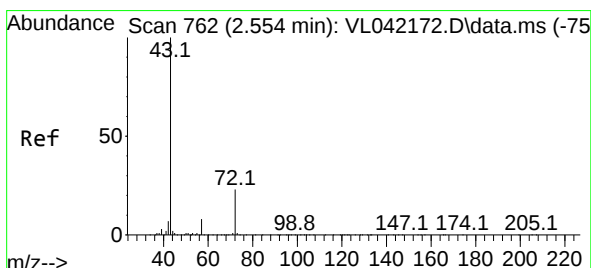
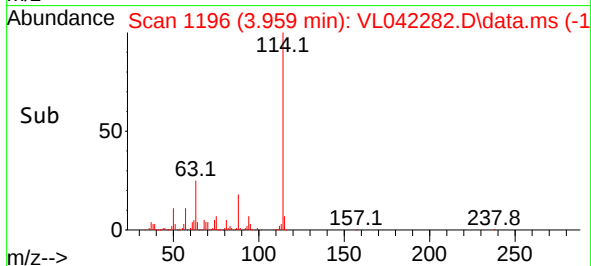
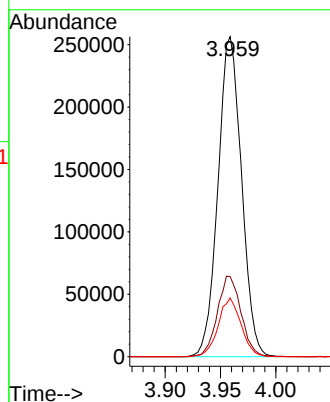
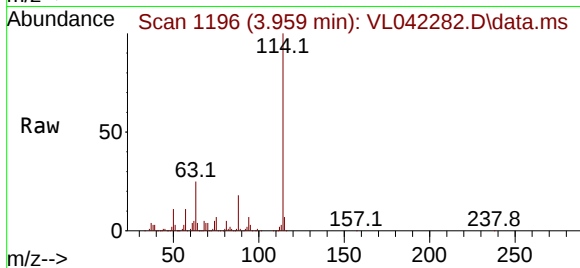
Tgt Ion:114 Resp: 379950

Ion Ratio Lower Upper

114 100

63 25.3 20.7 31.1

88 17.7 15.0 22.4



#34

2-Butanone

Concen: 0.380 ppbv

RT: 2.560 min Scan# 764

Delta R.T. 0.006 min

Lab File: VL042282.D

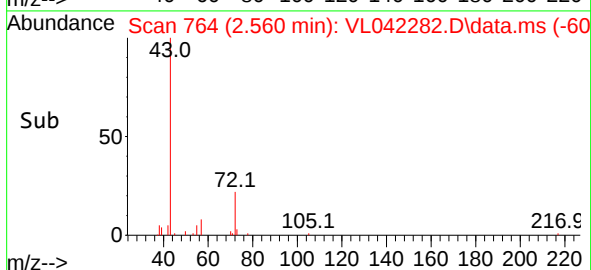
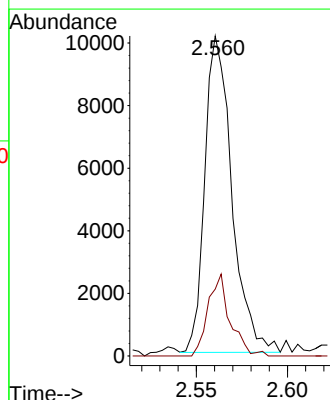
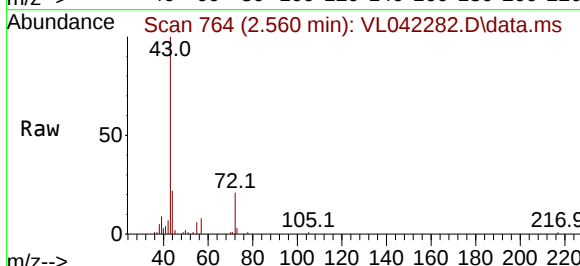
Acq: 09 Apr 2025 02:20

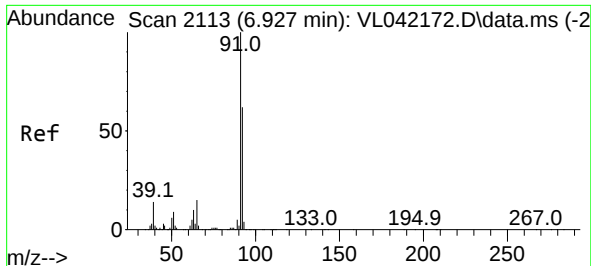
Tgt Ion: 43 Resp: 10478

Ion Ratio Lower Upper

43 100

72 20.9 18.2 27.2

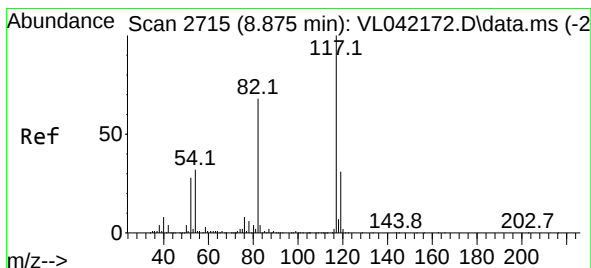
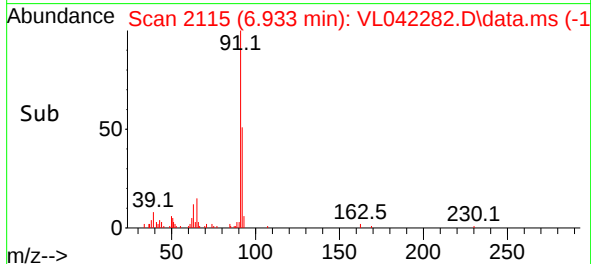
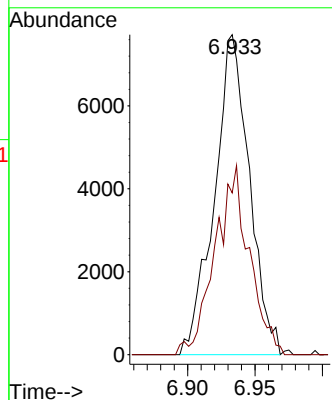
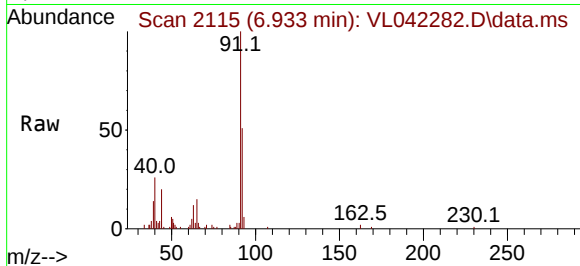




#53
Toluene
Concen: 0.313 ppbv
RT: 6.933 min Scan# 2115
Delta R.T. 0.006 min
Lab File: VL042282.D
Acq: 09 Apr 2025 02:20

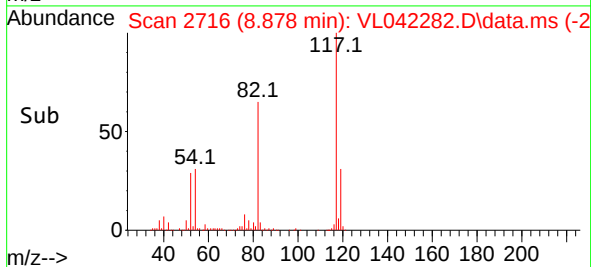
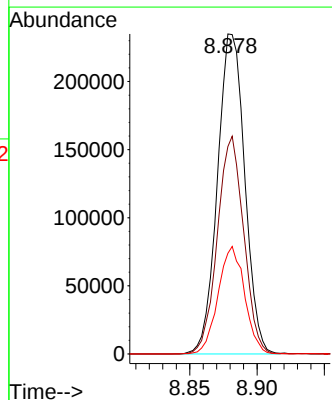
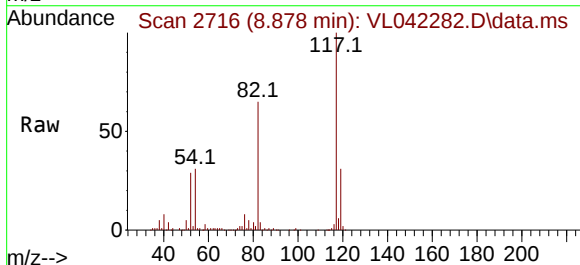
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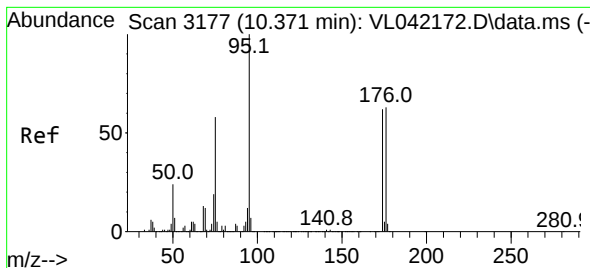
Tgt Ion: 91 Resp: 13969
Ion Ratio Lower Upper
91 100
92 57.7 48.4 72.6



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2716
Delta R.T. 0.003 min
Lab File: VL042282.D
Acq: 09 Apr 2025 02:20

Tgt Ion: 117 Resp: 331294
Ion Ratio Lower Upper
117 100
82 65.6 55.8 83.6
119 32.6 25.5 38.3





#68

1-Bromo-4-Fluorobenzene

Concen: 9.197 ppbv

RT: 10.377 min Scan# 3177

Delta R.T. 0.006 min

Lab File: VL042282.D

Acq: 09 Apr 2025 02:20

Instrument :

MSVOA_L

ClientSampleId :

SSSG-B2-6-04022025DL

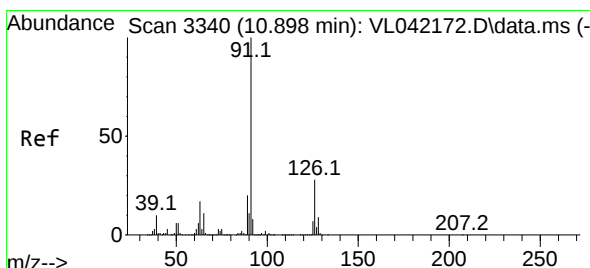
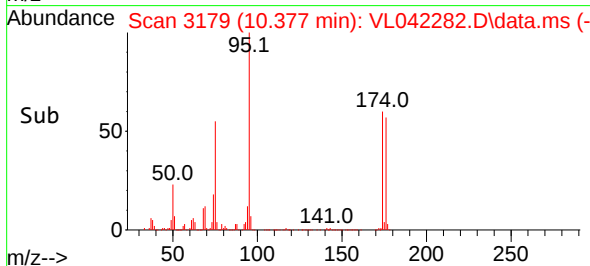
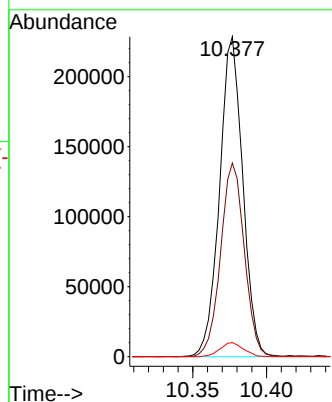
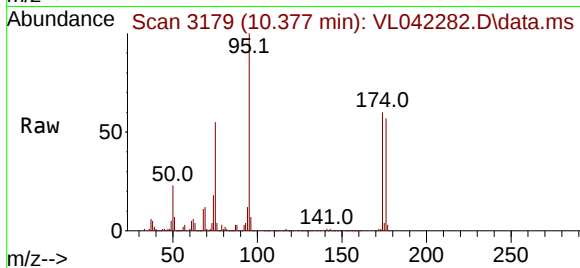
Tgt Ion: 95 Resp: 250221

Ion Ratio Lower Upper

95 100

174 62.0 50.6 76.0

175 4.5 3.8 5.6



#71

2-Chlorotoluene

Concen: 0.203 ppbv

RT: 10.901 min Scan# 3341

Delta R.T. 0.003 min

Lab File: VL042282.D

Acq: 09 Apr 2025 02:20

Tgt Ion: 91 Resp: 11092

Ion Ratio Lower Upper

91 100

126 32.4 11.6 46.4

