

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111523\
 Data File : VL040882.D
 Acq On : 15 Nov 2023 23:59
 Operator : SY/MD
 Sample : 05277-04DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 NT-SS-6DL

Quant Time: Nov 16 06:35:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111323AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Nov 13 15:42:46 2023
 Response via : Initial Calibration

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

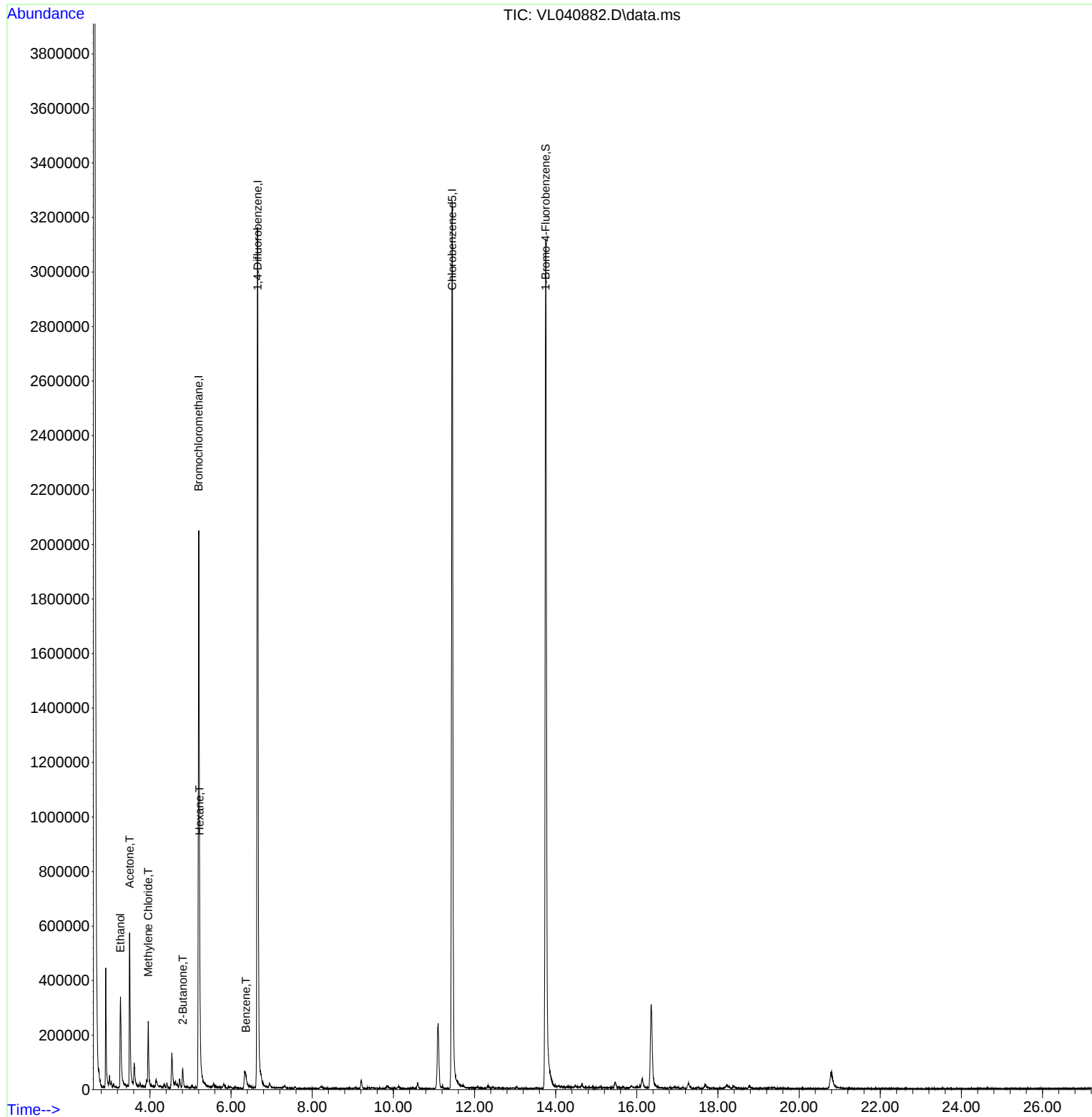
Internal Standards						
1) Bromochloromethane	5.201	49	983160	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	6.651	114	2331981	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.449	117	2072005	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.754	95	1597692	9.849	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.500%
Target Compounds						
					Qvalue	
13) Ethanol	3.275	45	366320m	35.661	ppbv	
15) Acetone	3.500	43	554154	5.292	ppbv	95
20) Methylene Chloride	3.957	84	70321	1.627	ppbv	96
26) Hexane	5.224	57	90346	0.942	ppbv #	41
34) 2-Butanone	4.809	43	81409	0.685	ppbv	98
36) Benzene	6.368	78	9689	0.051	ppbv #	87

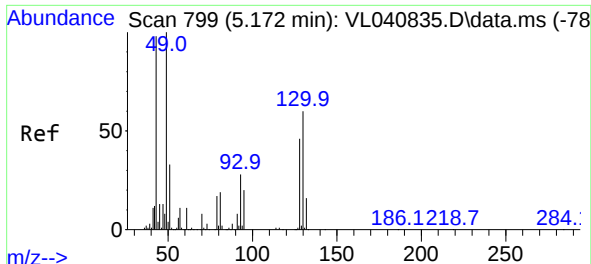
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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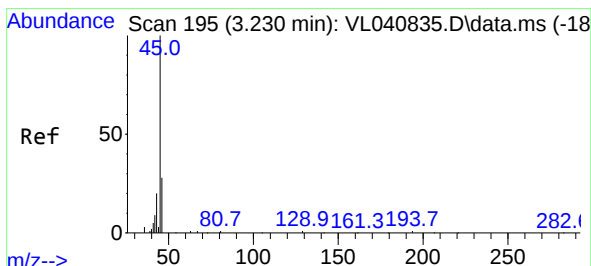
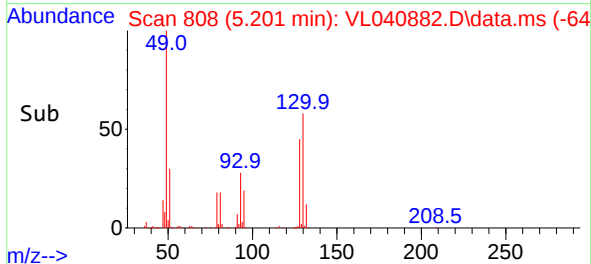
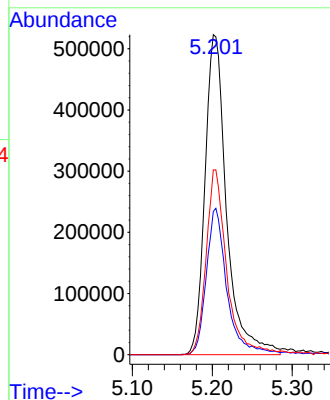
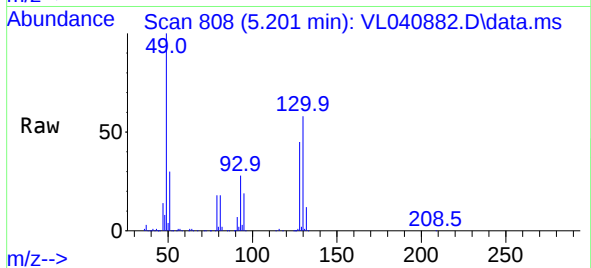




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.201 min Scan# 80
Delta R.T. 0.029 min
Lab File: VL040882.D
Acq: 15 Nov 2023 23:59

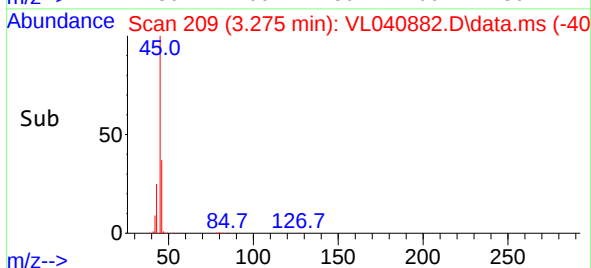
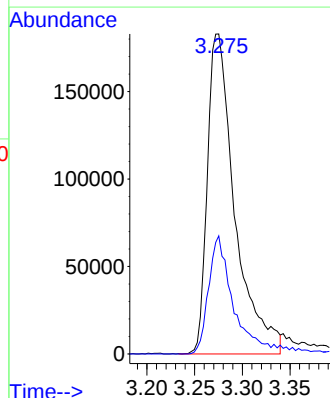
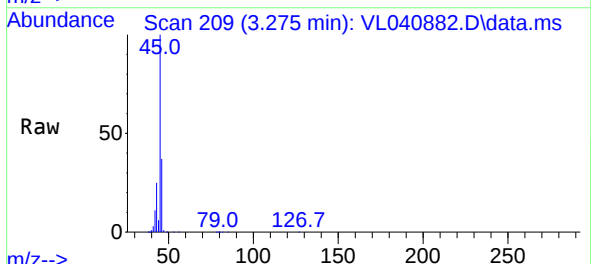
Instrument :
MSVOA_L
ClientSampleId :
NT-SS-6DL

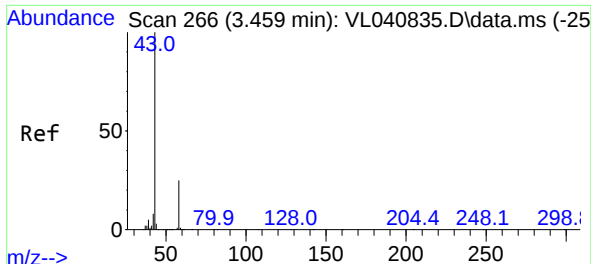
Tgt Ion: 49 Resp: 983160
Ion Ratio Lower Upper
49 100
128 44.8 23.8 71.2
130 56.1 30.9 92.8



#13
Ethanol
Concen: 35.661 ppbv m
RT: 3.275 min Scan# 209
Delta R.T. 0.045 min
Lab File: VL040882.D
Acq: 15 Nov 2023 23:59

Tgt Ion: 45 Resp: 366320
Ion Ratio Lower Upper
45 100
46 0.0 0.0 0.0

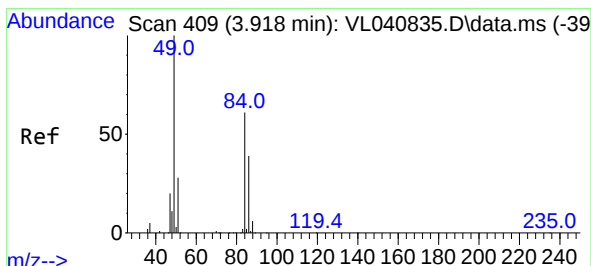
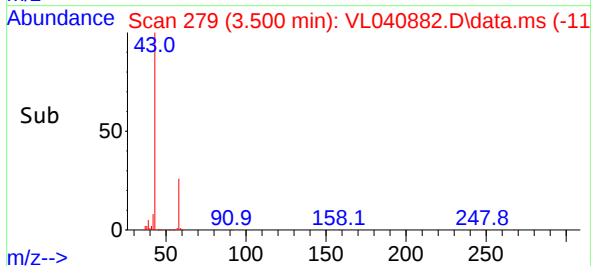
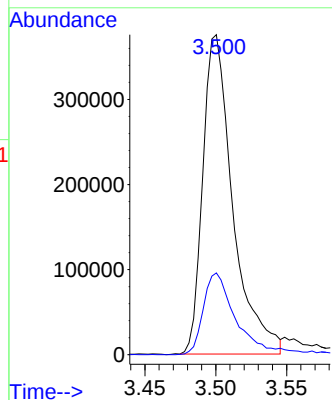
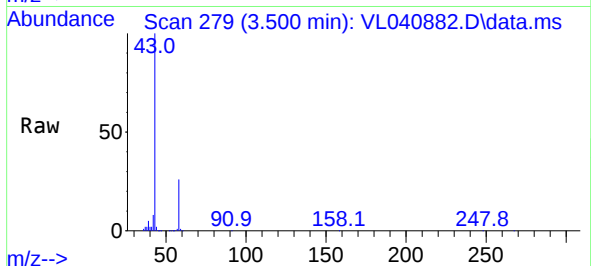




#15
Acetone
Concen: 5.292 ppbv
RT: 3.500 min Scan# 21
Delta R.T. 0.042 min
Lab File: VL040882.D
Acq: 15 Nov 2023 23:59

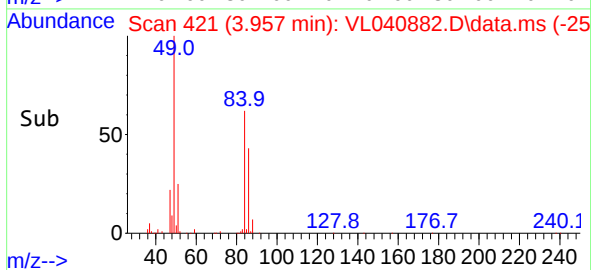
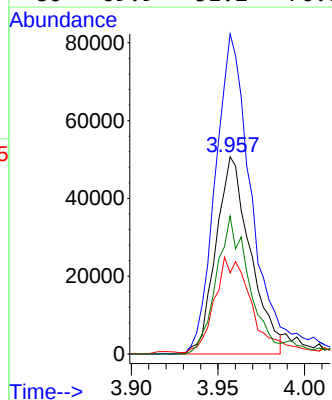
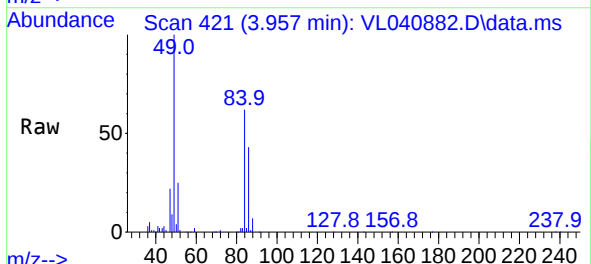
Instrument :
MSVOA_L
ClientSampleId :
NT-SS-6DL

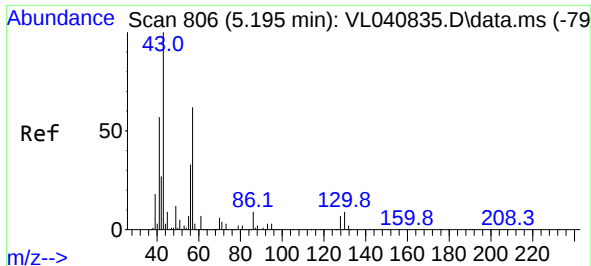
Tgt Ion: 43 Resp: 554154
Ion Ratio Lower Upper
43 100
58 28.6 20.9 31.3



#20
Methylene Chloride
Concen: 1.627 ppbv
RT: 3.957 min Scan# 421
Delta R.T. 0.038 min
Lab File: VL040882.D
Acq: 15 Nov 2023 23:59

Tgt Ion: 84 Resp: 70321
Ion Ratio Lower Upper
84 100
49 161.6 131.0 196.4
51 40.5 36.9 55.3
86 69.9 51.2 76.8

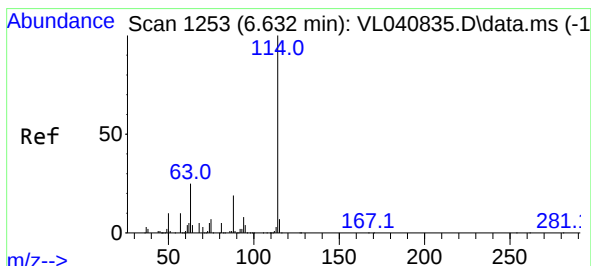
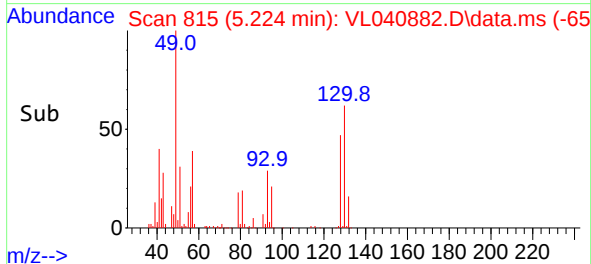
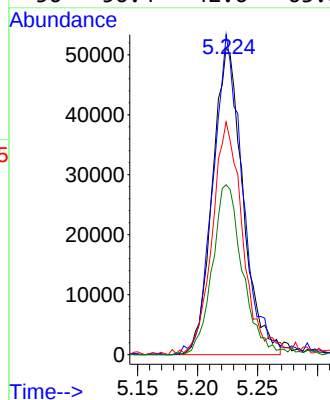
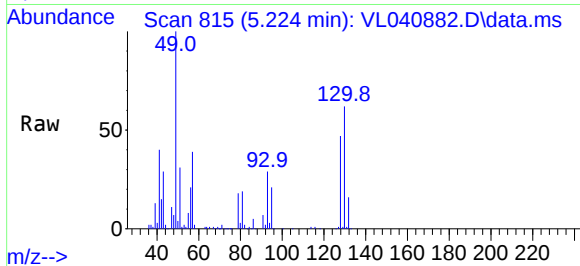




#26
Hexane
Concen: 0.942 ppbv
RT: 5.224 min Scan# 815
Delta R.T. 0.029 min
Lab File: VL040882.D
Acq: 15 Nov 2023 23:59

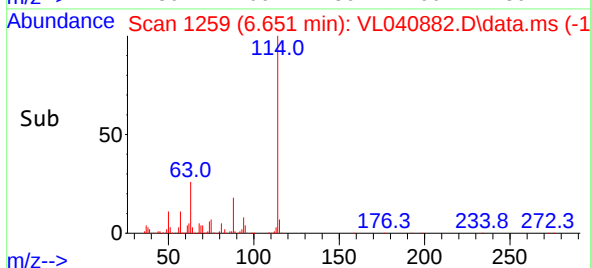
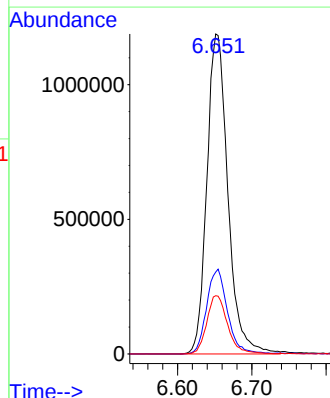
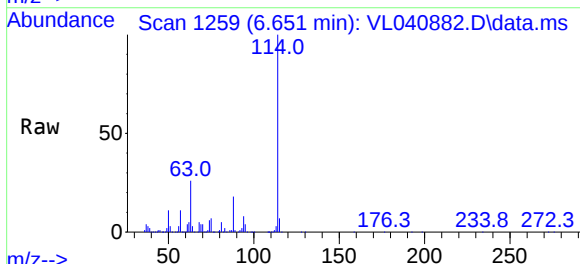
Instrument :
MSVOA_L
ClientSampleId :
NT-SS-6DL

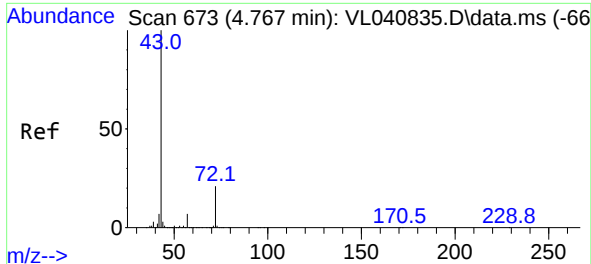
Tgt Ion: 57 Resp: 90346
Ion Ratio Lower Upper
57 100
41 104.9 75.4 113.0
43 79.9 185.9 278.9#
56 56.4 42.6 63.8



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.651 min Scan# 1259
Delta R.T. 0.019 min
Lab File: VL040882.D
Acq: 15 Nov 2023 23:59

Tgt Ion: 114 Resp: 2331981
Ion Ratio Lower Upper
114 100
63 26.6 20.9 31.3
88 18.2 14.3 21.5





#34

2-Butanone

Concen: 0.685 ppbv

RT: 4.809 min Scan# 61

Delta R.T. 0.042 min

Lab File: VL040882.D

Acq: 15 Nov 2023 23:59

Instrument :

MSVOA_1

ClientSampleId :

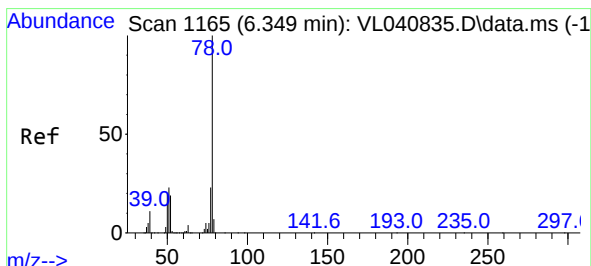
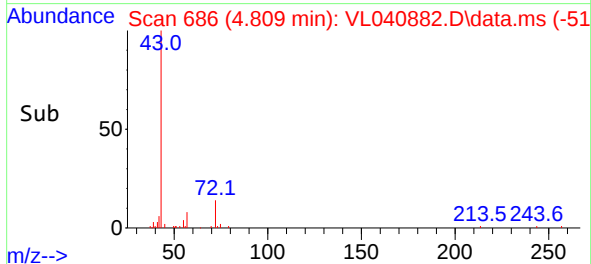
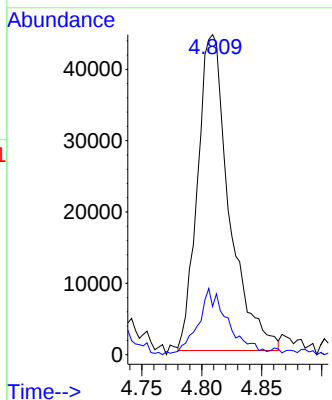
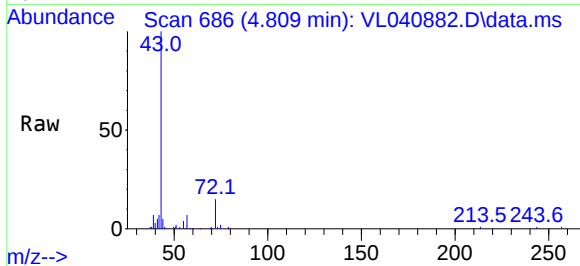
NT-SS-6DL

Tgt Ion: 43 Resp: 81409

Ion Ratio Lower Upper

43 100

72 20.7 17.2 25.8



#36

Benzene

Concen: 0.051 ppbv

RT: 6.368 min Scan# 1171

Delta R.T. 0.019 min

Lab File: VL040882.D

Acq: 15 Nov 2023 23:59

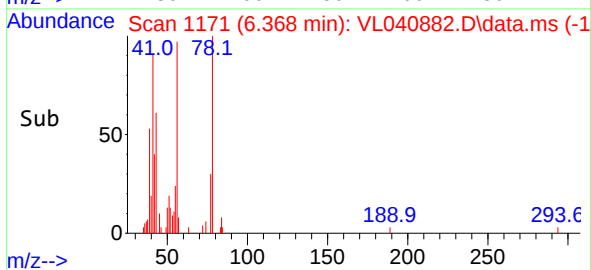
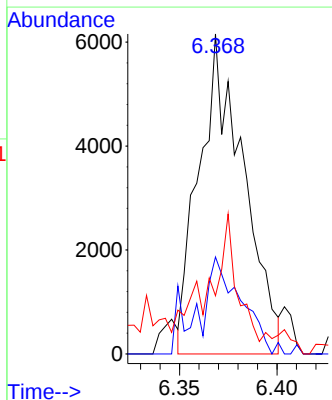
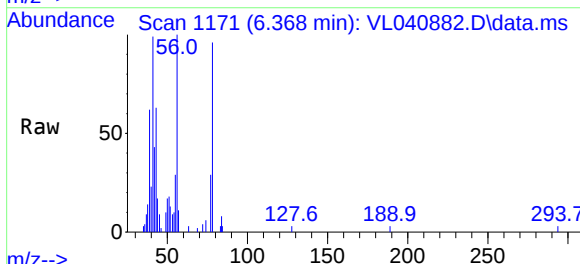
Tgt Ion: 78 Resp: 9689

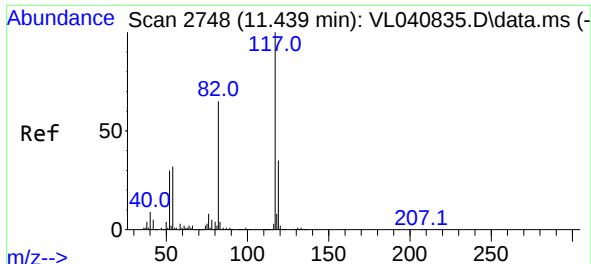
Ion Ratio Lower Upper

78 100

77 28.9 18.4 27.6#

50 13.4 16.2 24.2#

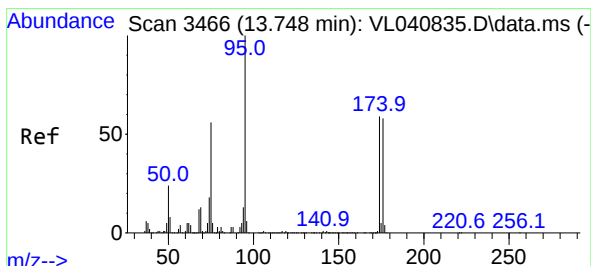
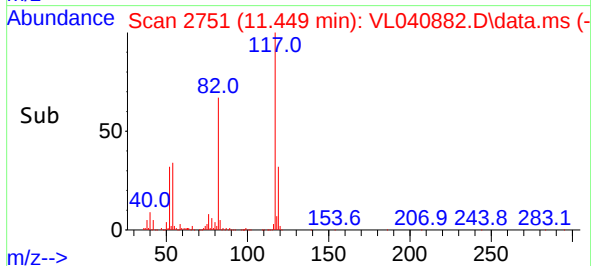
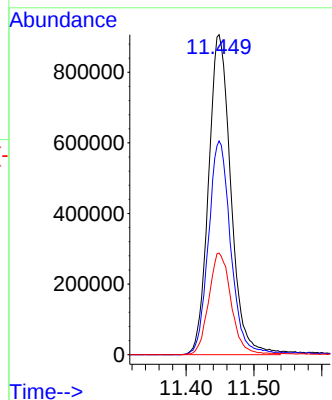
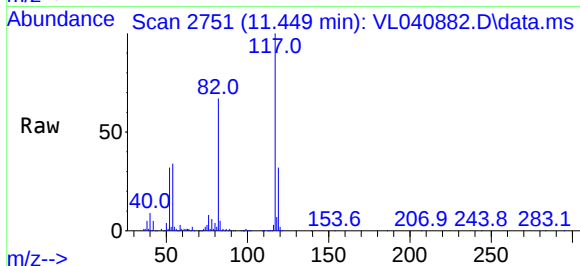




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.449 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL040882.D
Acq: 15 Nov 2023 23:59

Instrument :
MSVOA_L
ClientSampleId :
NT-SS-6DL

Tgt Ion:117 Resp: 2072005
Ion Ratio Lower Upper
117 100
82 68.0 50.6 75.8
119 32.4 23.3 34.9



#68
1-Bromo-4-Fluorobenzene
Concen: 9.849 ppbv
RT: 13.754 min Scan# 3468
Delta R.T. 0.006 min
Lab File: VL040882.D
Acq: 15 Nov 2023 23:59

Tgt Ion: 95 Resp: 1597692
Ion Ratio Lower Upper
95 100
174 60.8 47.5 71.3
175 4.5 3.6 5.4

