

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111523\
 Data File : VL040877.D
 Acq On : 15 Nov 2023 20:49
 Operator : SY/MD
 Sample : 05278-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SH-SS-1

Quant Time: Nov 16 05:56:20 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)

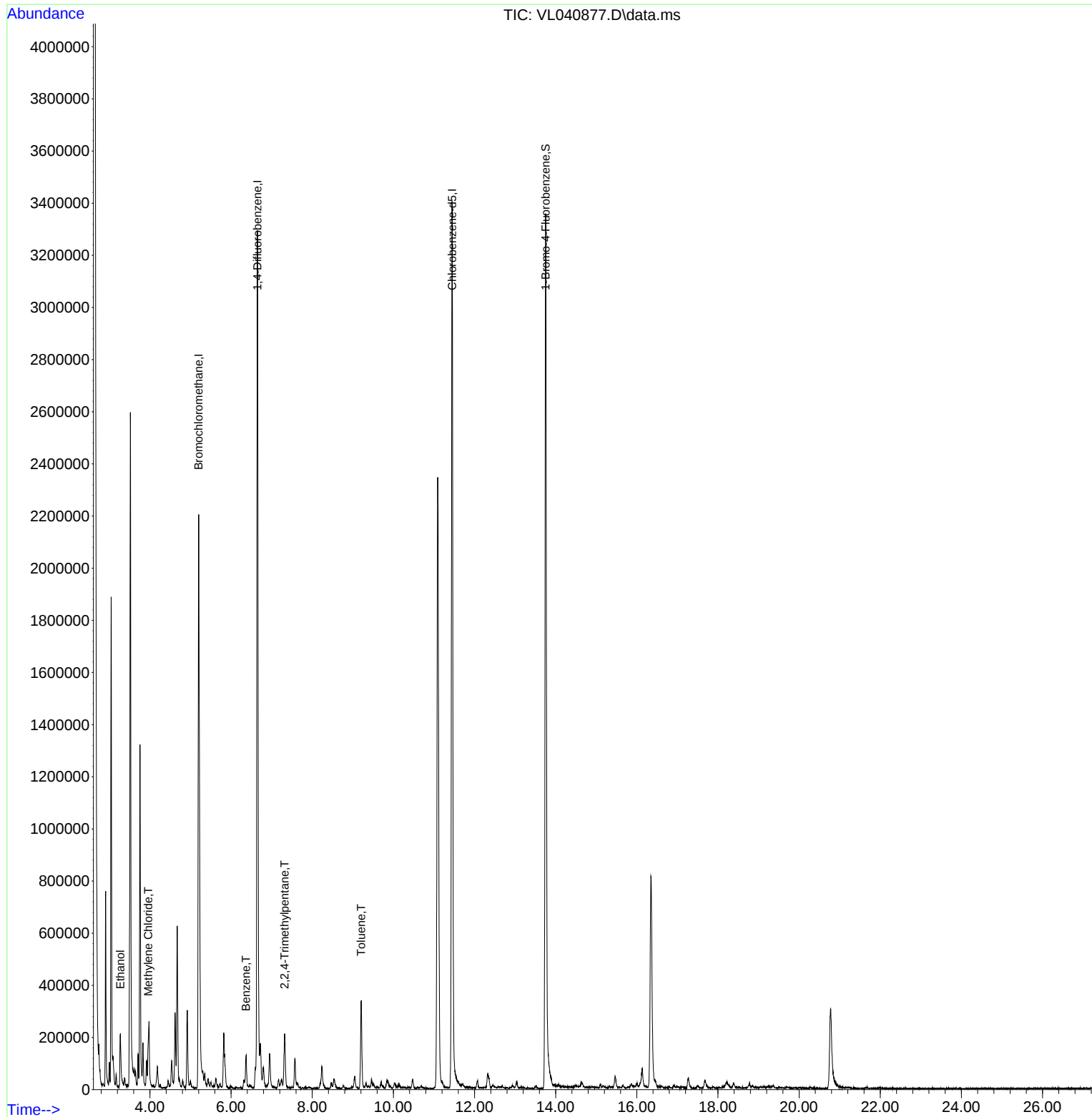
Internal Standards						
1) Bromochloromethane	5.201	49	998959	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	6.648	114	2454889	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.449	117	2213962	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.754	95	1741941	10.049	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.500%
Target Compounds						
					Qvalue	
13) Ethanol	3.272	45	238735	22.873	ppbv #	100
20) Methylene Chloride	3.957	84	45302	1.032	ppbv	96
36) Benzene	6.369	78	90974	0.457	ppbv	97
44) 2,2,4-Trimethylpentane	7.320	57	160072	0.484	ppbv #	82
53) Toluene	9.208	91	235011	1.072	ppbv	95

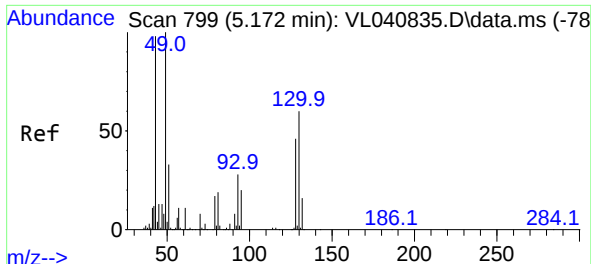
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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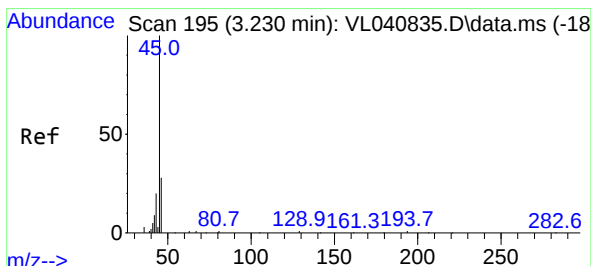
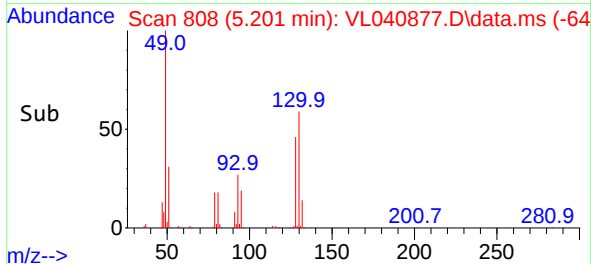
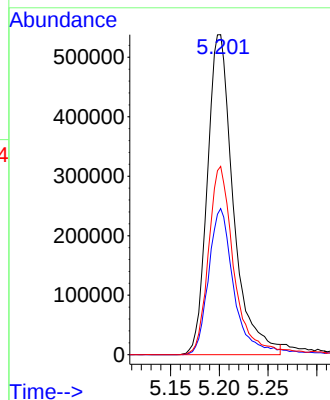
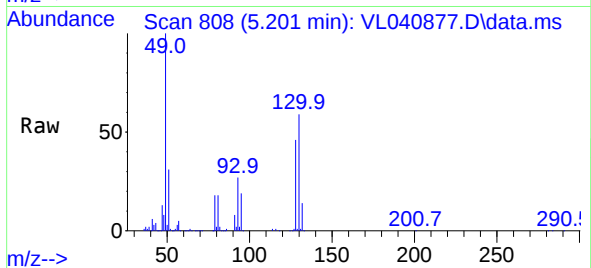




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.201 min Scan# 80
Delta R.T. 0.029 min
Lab File: VL040877.D
Acq: 15 Nov 2023 20:49

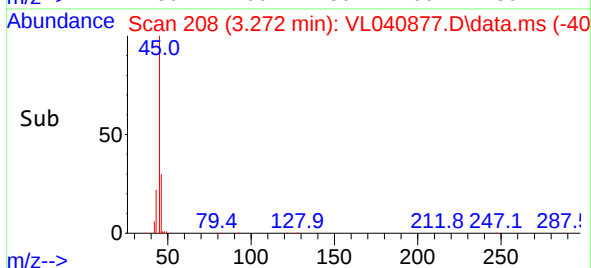
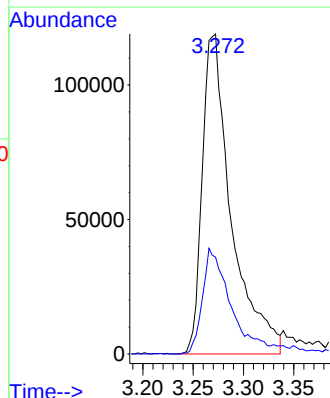
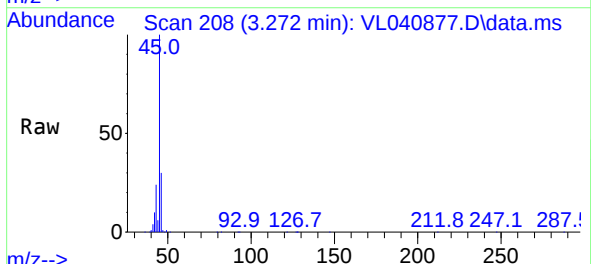
Instrument :
MSVOA_L
ClientSampleId :
SH-SS-1

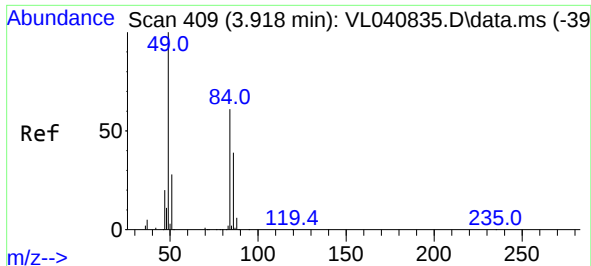
Tgt Ion: 49 Resp: 998959
Ion Ratio Lower Upper
49 100
128 46.5 23.8 71.2
130 58.8 30.9 92.8



#13
Ethanol
Concen: 22.873 ppbv
RT: 3.272 min Scan# 208
Delta R.T. 0.042 min
Lab File: VL040877.D
Acq: 15 Nov 2023 20:49

Tgt Ion: 45 Resp: 238735
Ion Ratio Lower Upper
45 100
46 34.4 0.0 0.0#



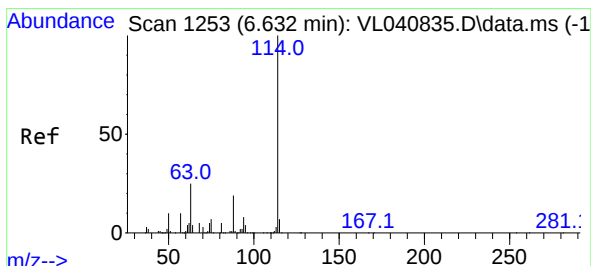
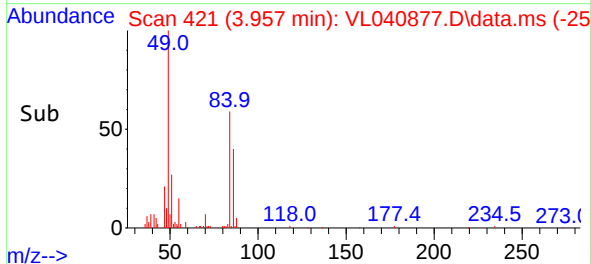
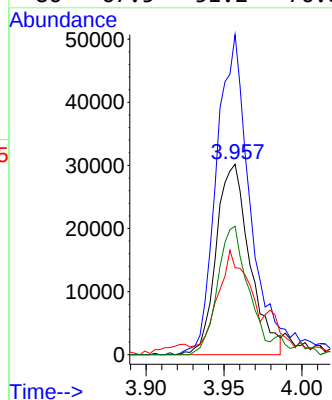
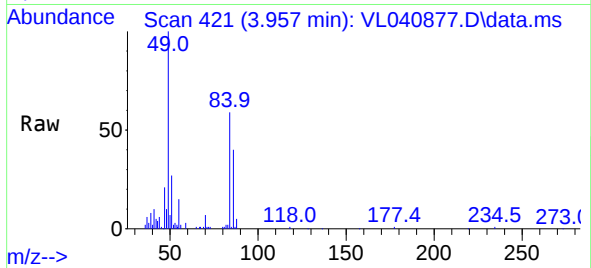


#20
Methylene Chloride
Concen: 1.032 ppbv
RT: 3.957 min Scan# 41
Delta R.T. 0.039 min
Lab File: VL040877.D
Acq: 15 Nov 2023 20:49

Instrument :
MSVOA_L
ClientSampleId :
SH-SS-1

Tgt Ion: 84 Resp: 45302

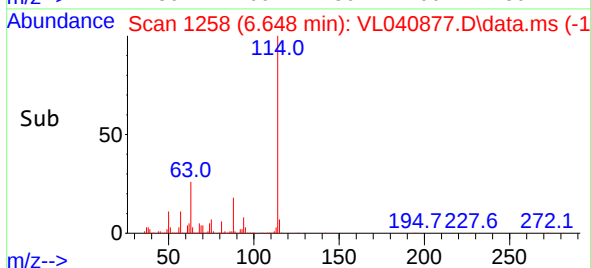
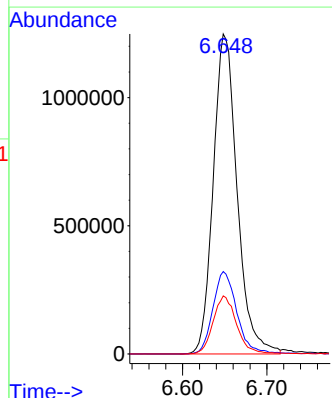
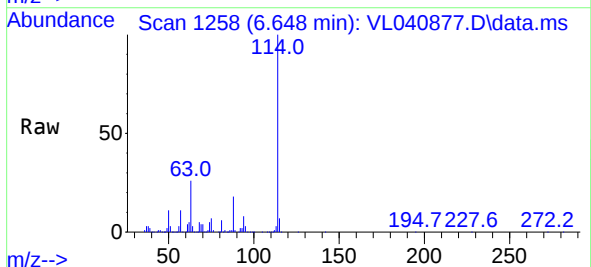
Ion	Ratio	Lower	Upper
84	100		
49	167.4	131.0	196.4
51	40.2	36.9	55.3
86	67.5	51.2	76.8

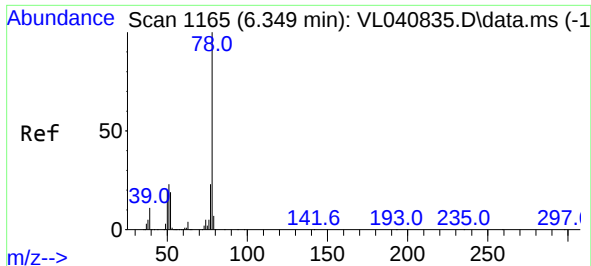


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.648 min Scan# 1258
Delta R.T. 0.016 min
Lab File: VL040877.D
Acq: 15 Nov 2023 20:49

Tgt Ion: 114 Resp: 2454889

Ion	Ratio	Lower	Upper
114	100		
63	26.2	20.9	31.3
88	18.1	14.3	21.5

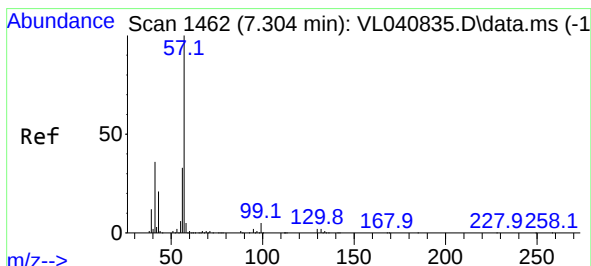
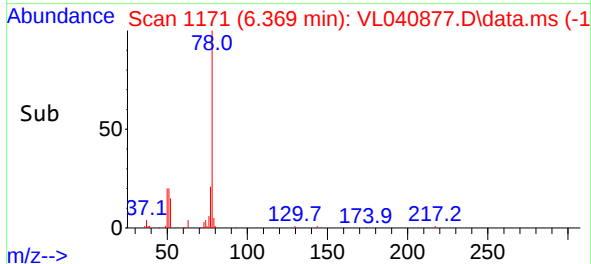
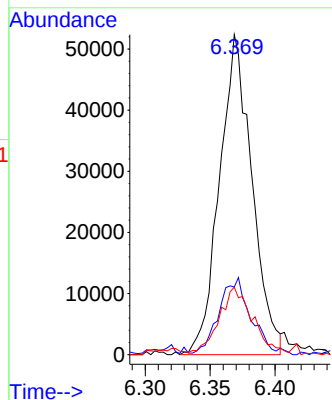
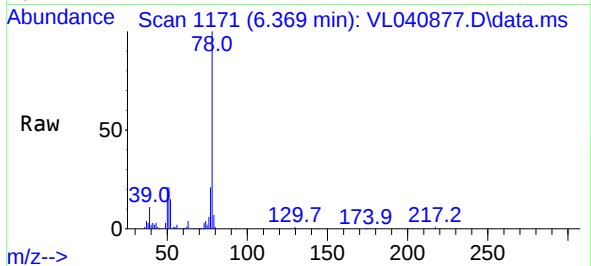




#36
Benzene
Concen: 0.457 ppbv
RT: 6.369 min Scan# 1165
Delta R.T. 0.019 min
Lab File: VL040877.D
Acq: 15 Nov 2023 20:49

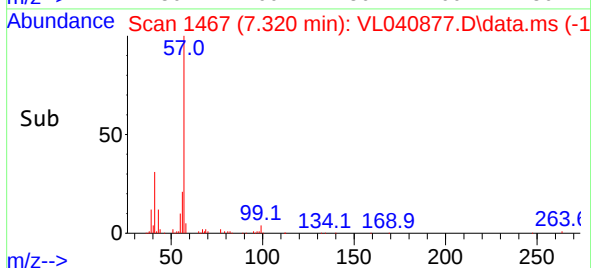
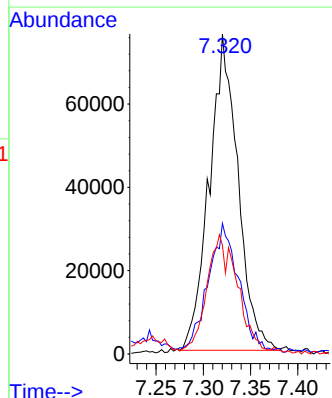
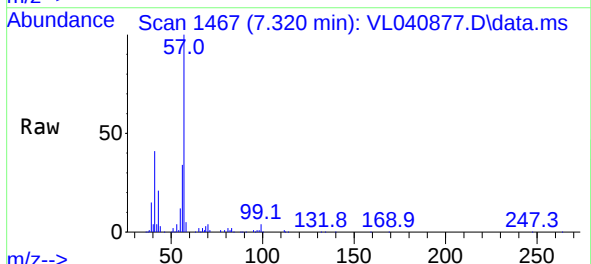
Instrument :
MSVOA_1
ClientSampleId :
SH-SS-1

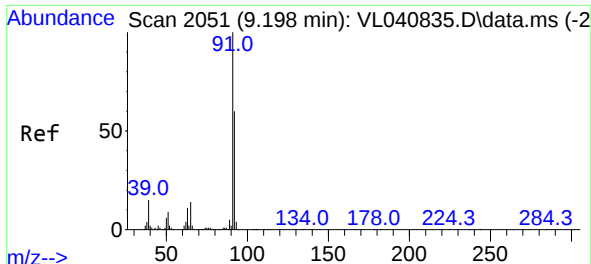
Tgt Ion: 78 Resp: 90974
Ion Ratio Lower Upper
78 100
77 21.0 18.4 27.6
50 19.3 16.2 24.2



#44
2,2,4-Trimethylpentane
Concen: 0.484 ppbv
RT: 7.320 min Scan# 1467
Delta R.T. 0.016 min
Lab File: VL040877.D
Acq: 15 Nov 2023 20:49

Tgt Ion: 57 Resp: 160072
Ion Ratio Lower Upper
57 100
41 46.4 29.0 43.6#
56 42.2 25.2 37.8#

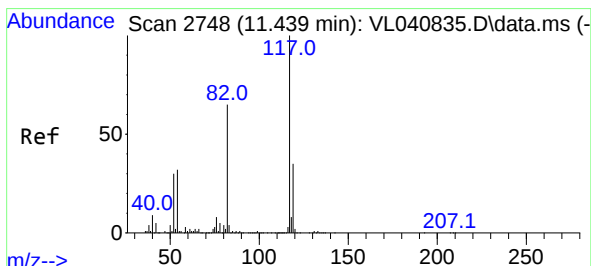
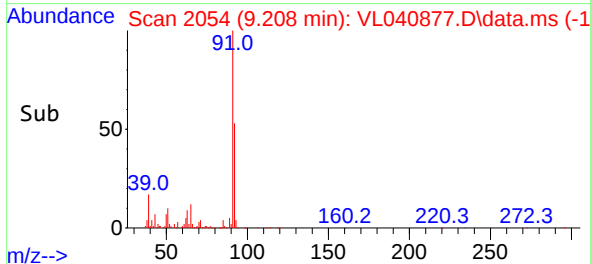
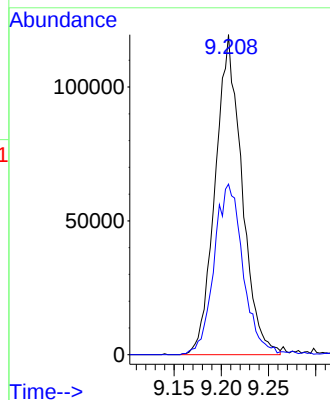
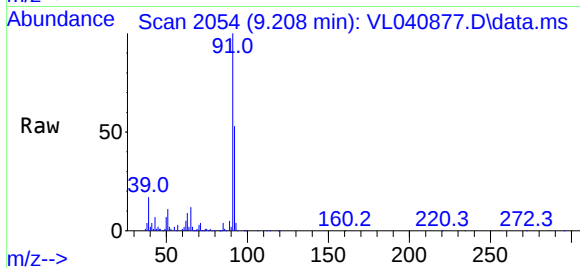




#53
Toluene
Concen: 1.072 ppbv
RT: 9.208 min Scan# 2051
Delta R.T. 0.010 min
Lab File: VL040877.D
Acq: 15 Nov 2023 20:49

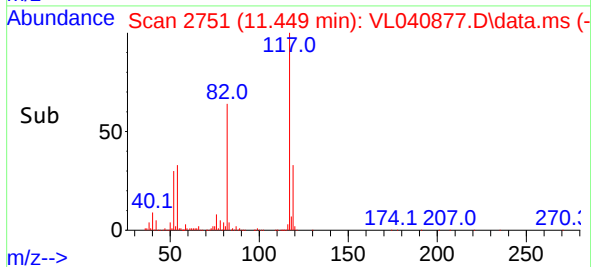
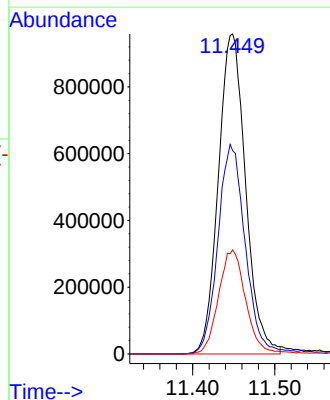
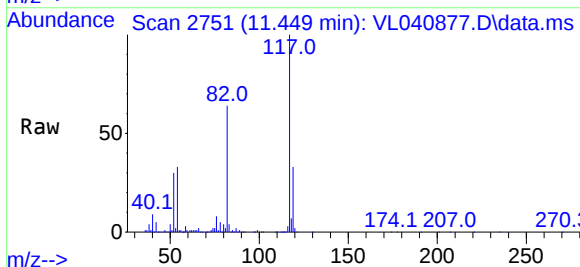
Instrument :
MSVOA_L
ClientSampleId :
SH-SS-1

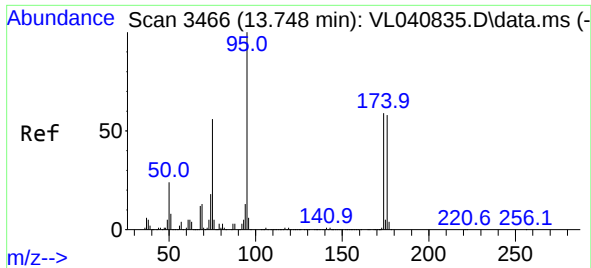
Tgt Ion: 91 Resp: 235011
Ion Ratio Lower Upper
91 100
92 58.3 49.4 74.2



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.449 min Scan# 2751
Delta R.T. 0.010 min
Lab File: VL040877.D
Acq: 15 Nov 2023 20:49

Tgt Ion: 117 Resp: 2213962
Ion Ratio Lower Upper
117 100
82 67.2 50.6 75.8
119 32.9 23.3 34.9





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.049 ppbv
 RT: 13.754 min Scan# 34
 Delta R.T. 0.006 min
 Lab File: VL040877.D
 Acq: 15 Nov 2023 20:49

Instrument :
 MSVOA_L
 ClientSampleId :
 SH-SS-1

Tgt Ion: 95 Resp: 1741941

Ion	Ratio	Lower	Upper
95	100		
174	59.4	47.5	71.3
175	4.5	3.6	5.4

