

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090523\
 Data File : VL040650.D
 Acq On : 5 Sep 2023 16:50
 Operator : SY/MD
 Sample : 04281-02DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL

Quant Time: Sep 06 02:06:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Aug 16 05:43:50 2023
 Response via : Initial Calibration

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

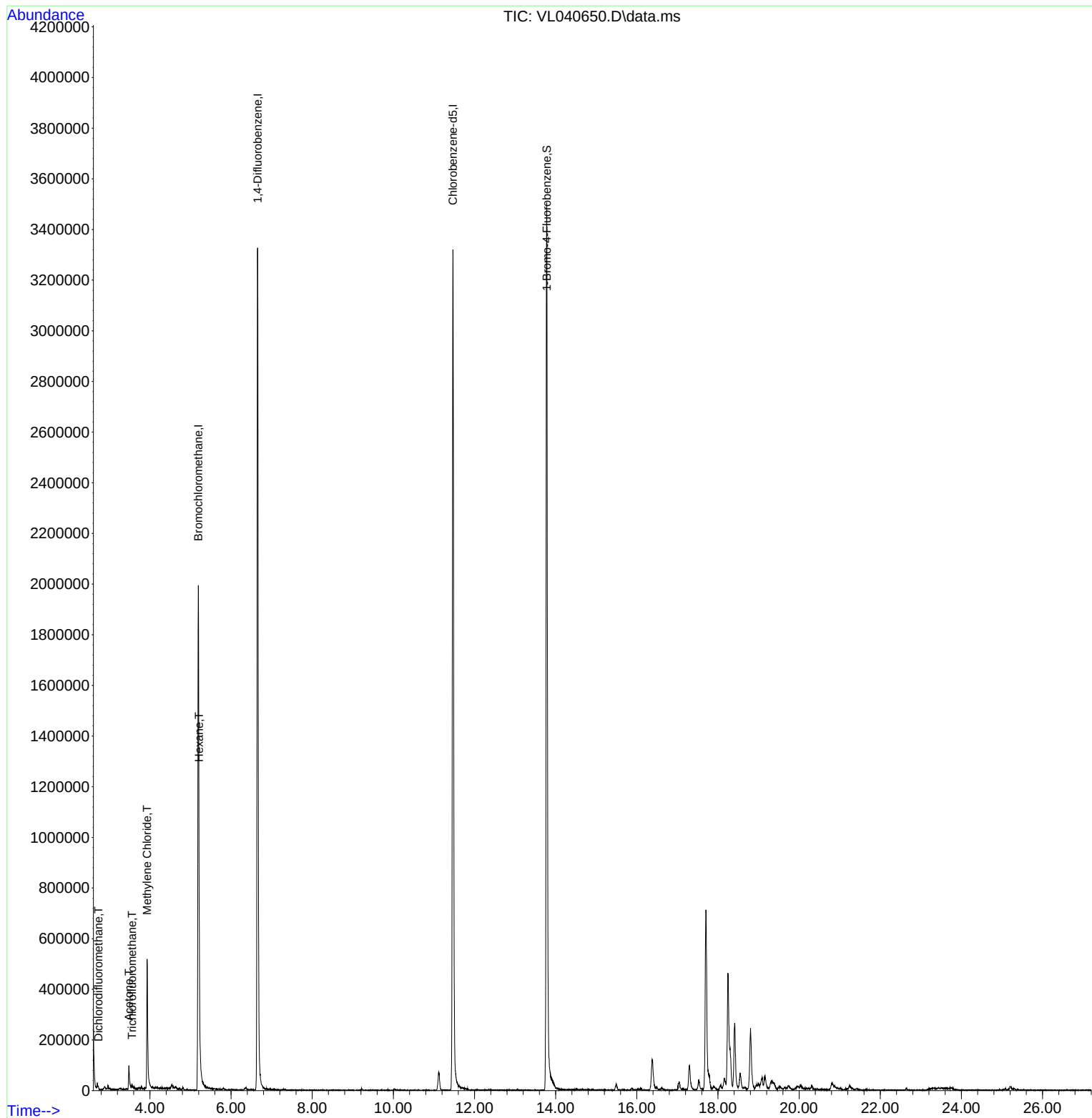
Internal Standards						
1) Bromochloromethane	5.192	49	935507	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2422905	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2086974	10.000	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	1663183	10.021	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	= 100.200%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.729	85	7612	0.038	ppbv #	79
11) Trichlorofluoromethane	3.558	101	8252	0.051	ppbv	88
15) Acetone	3.481	43	95611	0.836	ppbv	91
20) Methylene Chloride	3.931	84	178868	3.199	ppbv	92
26) Hexane	5.208	57	90492	0.870	ppbv #	39

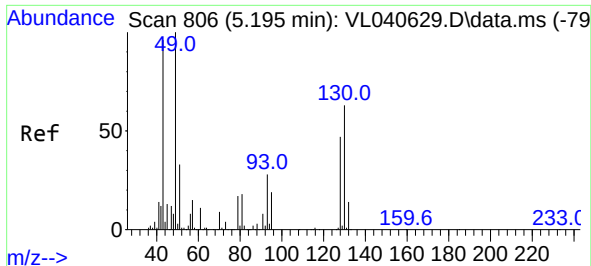
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081523AIR.M
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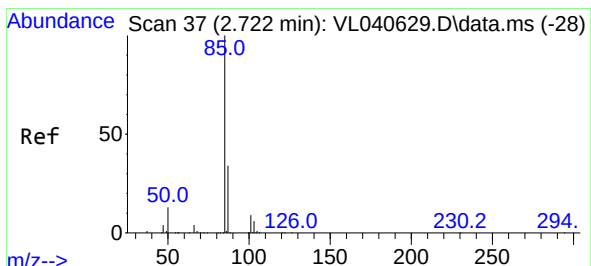
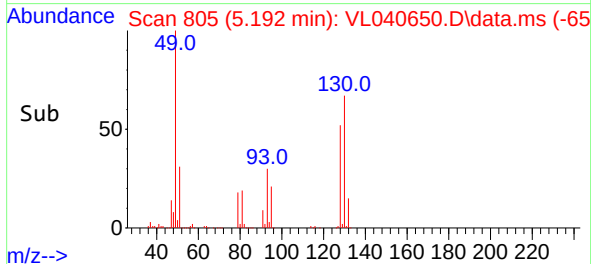
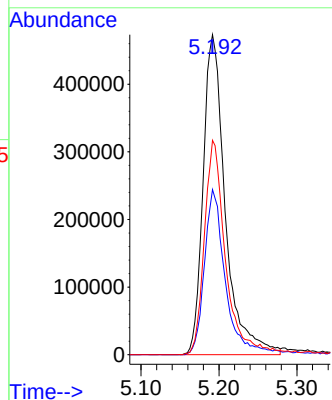
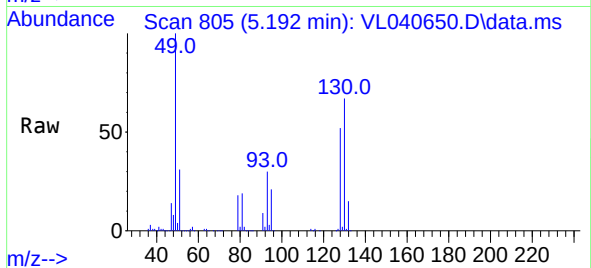




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 806
Delta R.T. -0.003 min
Lab File: VL040650.D
Acq: 5 Sep 2023 16:50

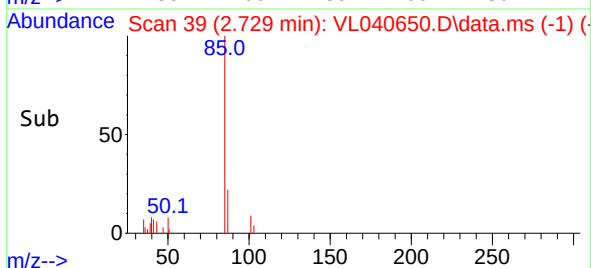
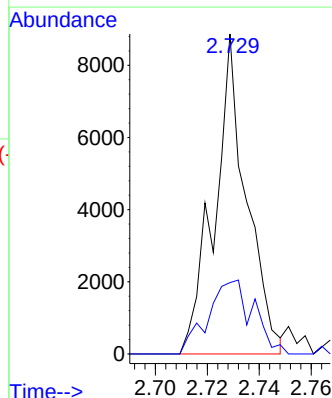
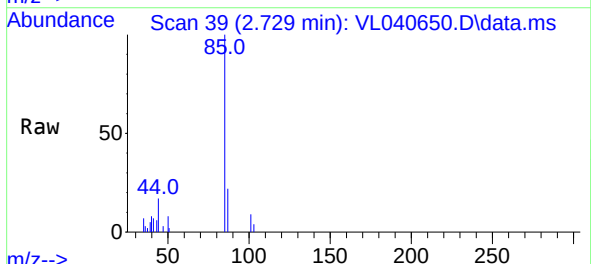
Instrument :
MSVOA_L
ClientSampleId :
SV2DL

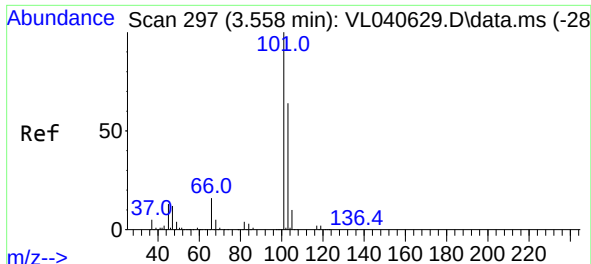
Tgt Ion: 49 Resp: 935507
Ion Ratio Lower Upper
49 100
128 50.2 24.9 74.7
130 65.3 32.2 96.6



#2
Dichlorodifluoromethane
Concen: 0.038 ppbv
RT: 2.729 min Scan# 39
Delta R.T. 0.006 min
Lab File: VL040650.D
Acq: 5 Sep 2023 16:50

Tgt Ion: 85 Resp: 7612
Ion Ratio Lower Upper
85 100
87 22.3 27.5 41.3

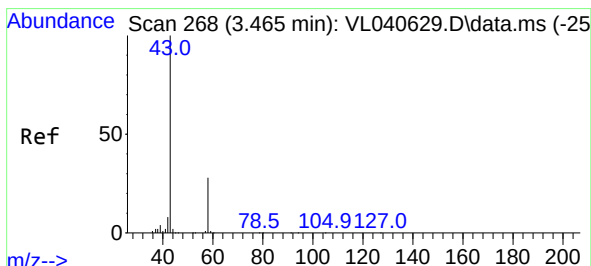
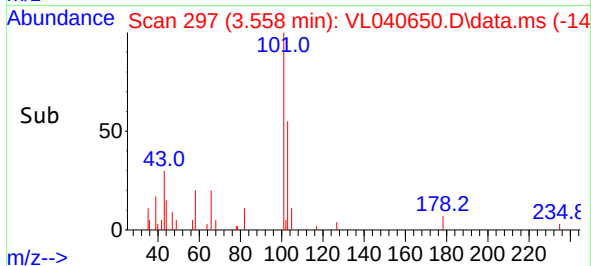
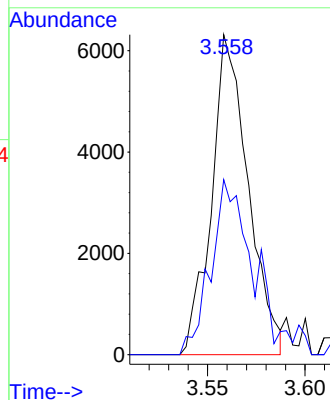
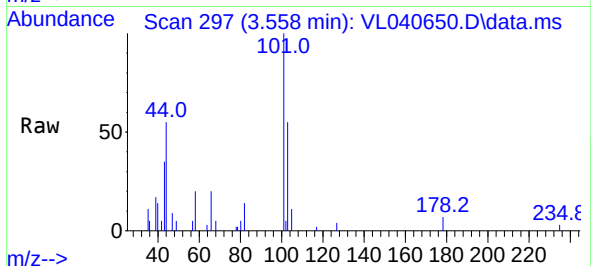




#11
Trichlorofluoromethane
Concen: 0.051 ppbv
RT: 3.558 min Scan# 297
Delta R.T. -0.000 min
Lab File: VL040650.D
Acq: 5 Sep 2023 16:50

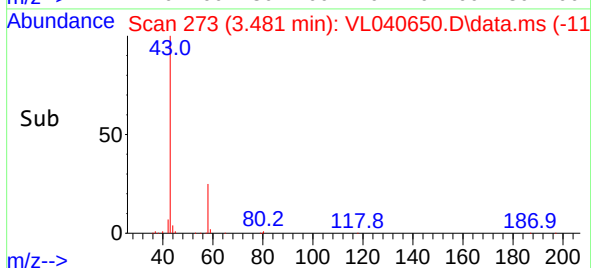
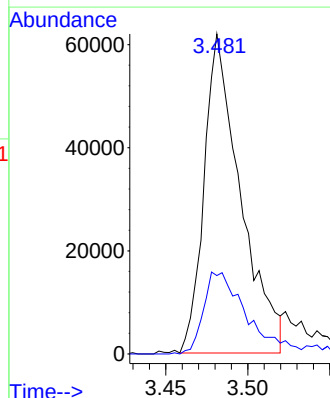
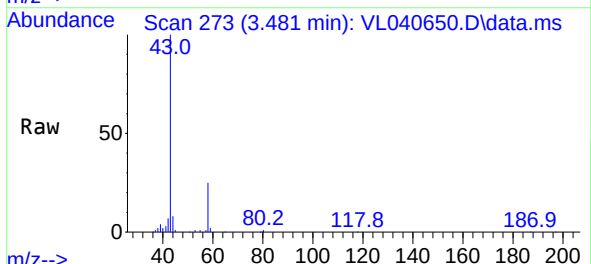
Instrument :
MSVOA_L
ClientSampleId :
SV2DL

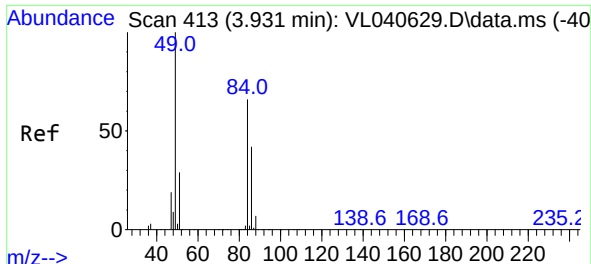
Tgt Ion:101 Resp: 8252
Ion Ratio Lower Upper
101 100
103 54.7 51.1 76.7



#15
Acetone
Concen: 0.836 ppbv
RT: 3.481 min Scan# 273
Delta R.T. 0.016 min
Lab File: VL040650.D
Acq: 5 Sep 2023 16:50

Tgt Ion: 43 Resp: 95611
Ion Ratio Lower Upper
43 100
58 32.9 22.4 33.6



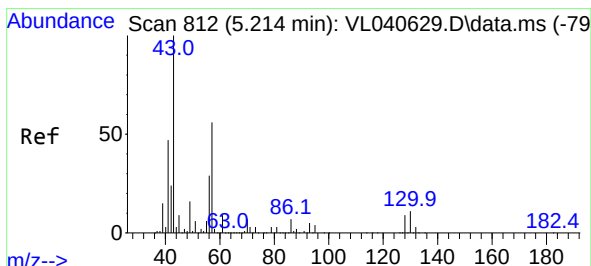
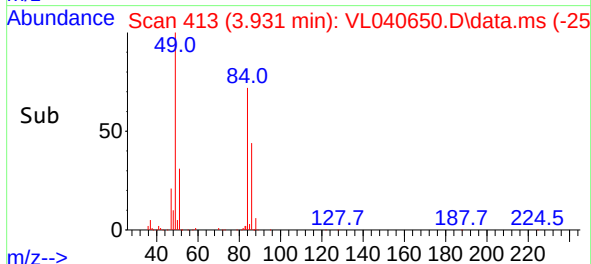
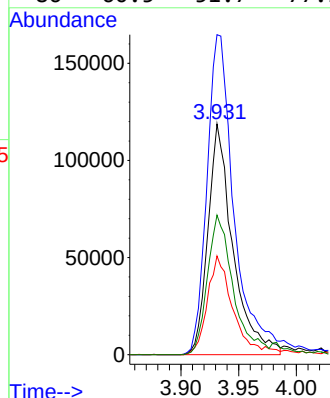
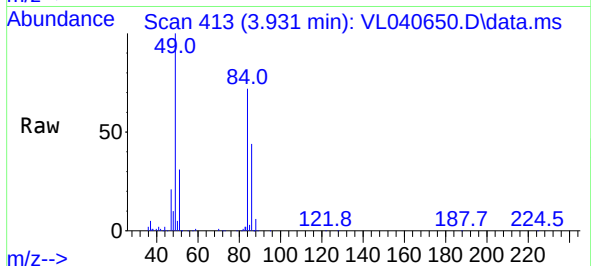


#20
Methylene Chloride
Concen: 3.199 ppbv
RT: 3.931 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL040650.D
Acq: 5 Sep 2023 16:50

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Tgt Ion: 84 Resp: 178868

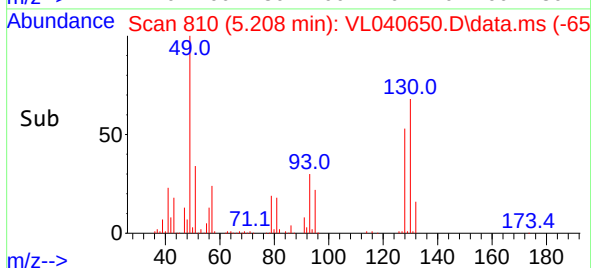
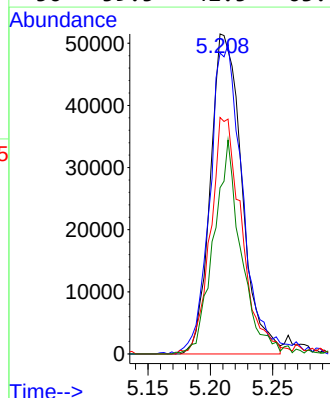
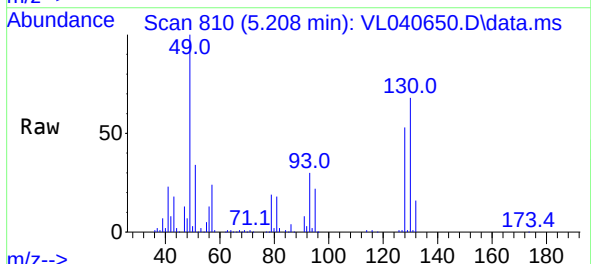
Ion	Ratio	Lower	Upper
84	100		
49	138.7	122.1	183.1
51	42.8	35.4	53.2
86	60.5	51.7	77.5

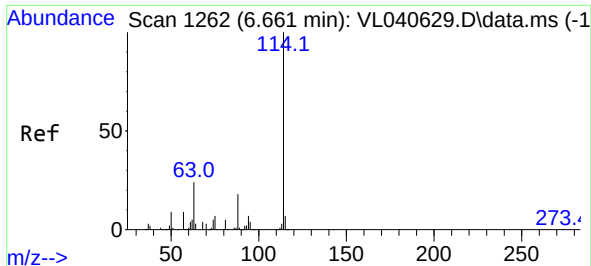


#26
Hexane
Concen: 0.870 ppbv
RT: 5.208 min Scan# 810
Delta R.T. -0.007 min
Lab File: VL040650.D
Acq: 5 Sep 2023 16:50

Tgt Ion: 57 Resp: 90492

Ion	Ratio	Lower	Upper
57	100		
41	101.8	69.3	103.9
43	75.1	177.9	266.9#
56	59.5	42.5	63.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 11

Delta R.T. -0.007 min

Lab File: VL040650.D

Acq: 5 Sep 2023 16:50

Instrument :

MSVOA_L

ClientSampleId :

SV2DL

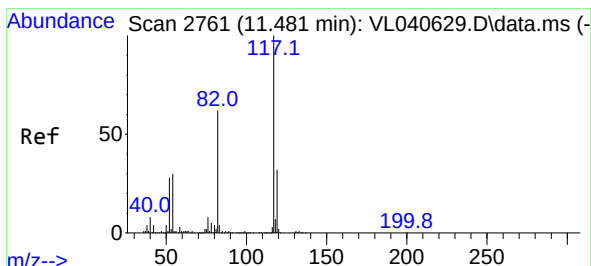
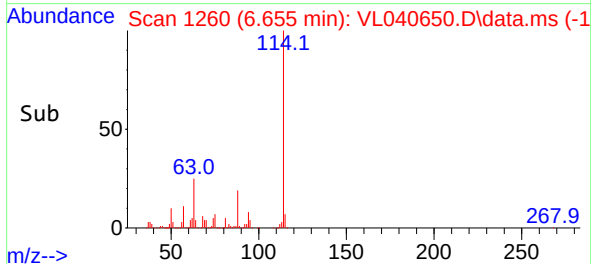
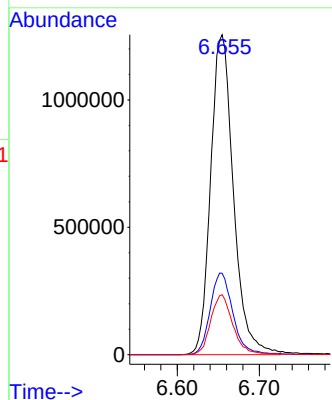
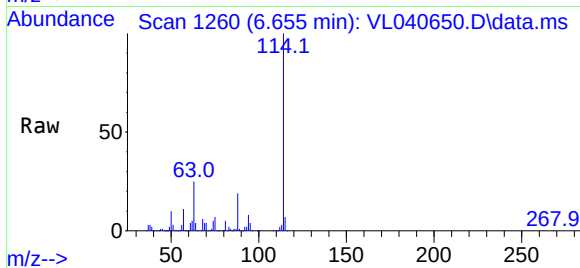
Tgt Ion:114 Resp: 2422905

Ion Ratio Lower Upper

114 100

63 25.8 20.2 30.2

88 18.4 14.1 21.1



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.468 min Scan# 2757

Delta R.T. -0.013 min

Lab File: VL040650.D

Acq: 5 Sep 2023 16:50

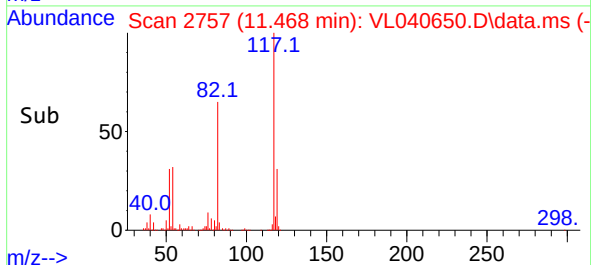
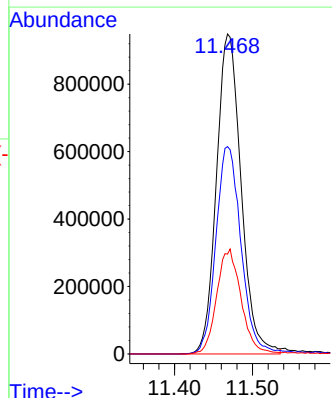
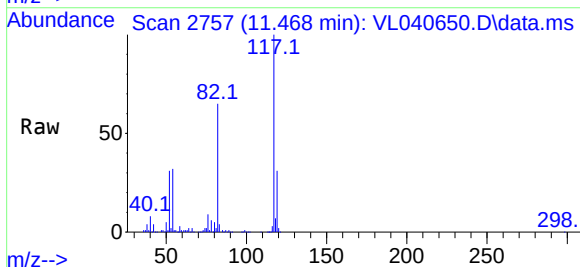
Tgt Ion:117 Resp: 2086974

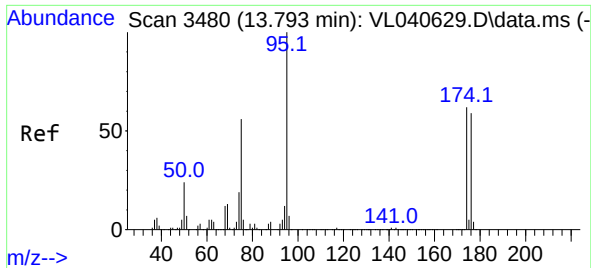
Ion Ratio Lower Upper

117 100

82 67.0 49.5 74.3

119 32.8 24.5 36.7





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.021 ppbv
 RT: 13.780 min Scan# 34
 Delta R.T. -0.013 min
 Lab File: VL040650.D
 Acq: 5 Sep 2023 16:50

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL

Tgt Ion: 95 Resp: 1663183

Ion	Ratio	Lower	Upper
95	100		
174	61.6	49.1	73.7
175	4.4	3.7	5.5

