

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041223\
 Data File : VL040336.D
 Acq On : 12 Apr 2023 10:43
 Operator : SY/MD
 Sample : VL0412ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0412ABL01

Quant Time: Apr 13 05:36:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Apr 11 04:15:53 2023
 Response via : Initial Calibration

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

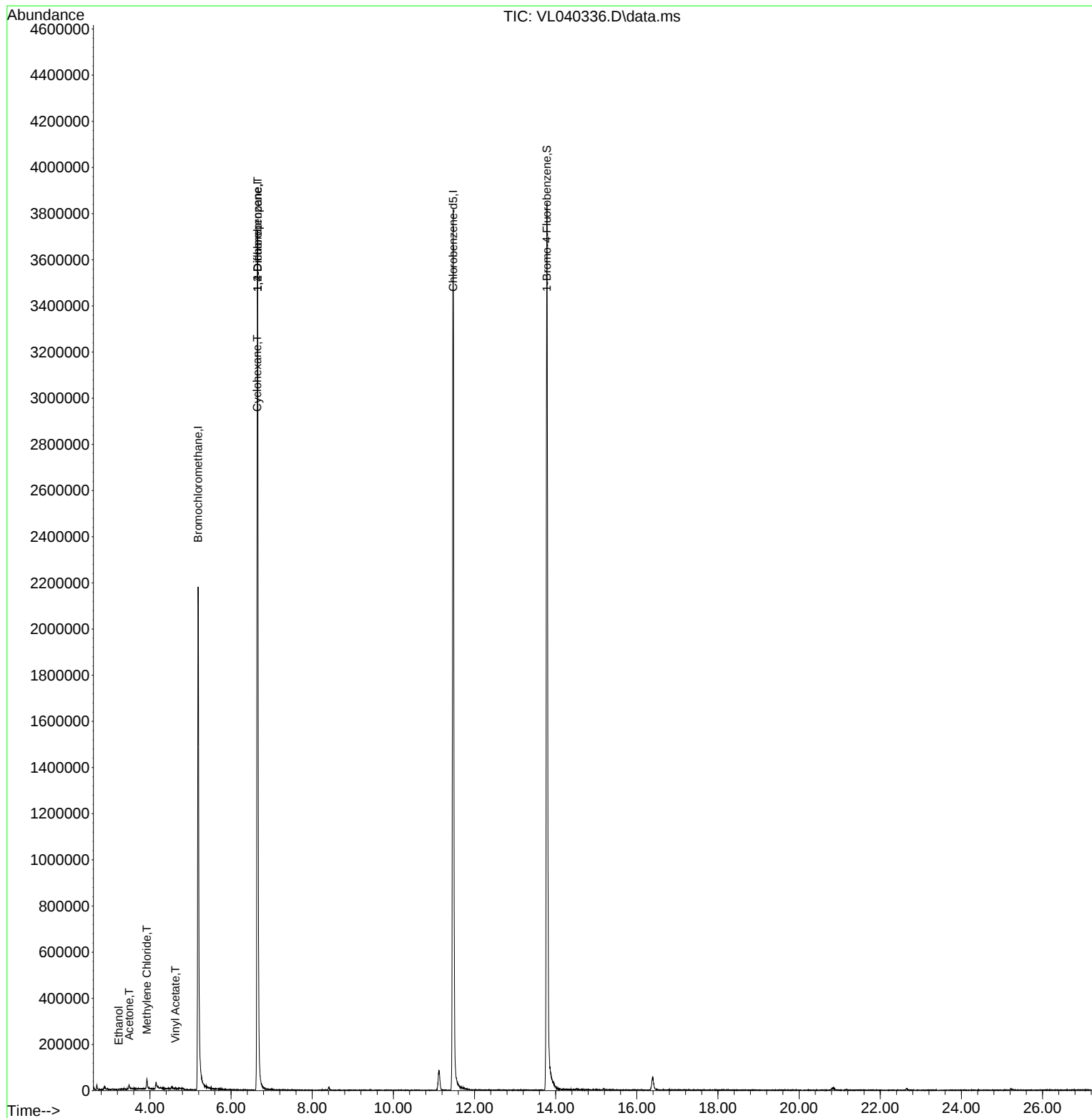
Internal Standards						
1) Bromochloromethane	5.189	49	1100072	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.652	114	2723206	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.475	117	2416838	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	1936100	9.566	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.700%
Target Compounds						
					Qvalue	
13) Ethanol	3.231	45	176	0.045	ppbv #	37
15) Acetone	3.488	43	16518	0.123	ppbv #	74
20) Methylene Chloride	3.925	84	13616	0.242	ppbv #	91
23) Vinyl Acetate	4.626	43	1250	0.034	ppbv #	60
30) Cyclohexane	6.642	84	5820	0.072	ppbv #	1
39) 1,2-Dichloropropane	6.652	63	701034	8.610	ppbv #	24

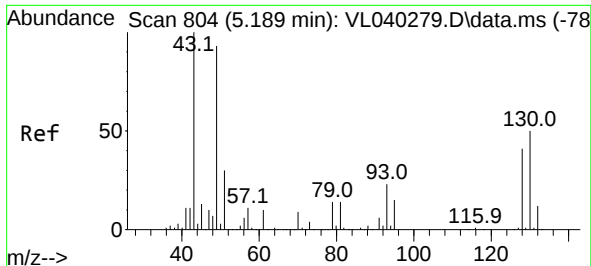
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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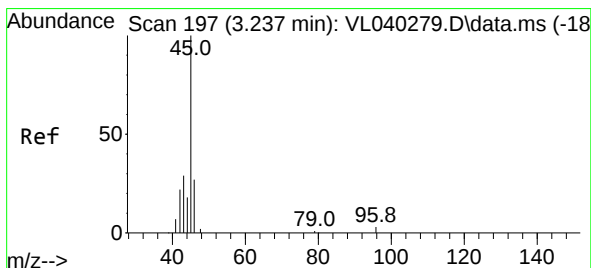
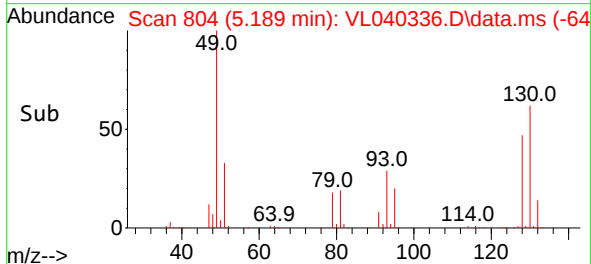
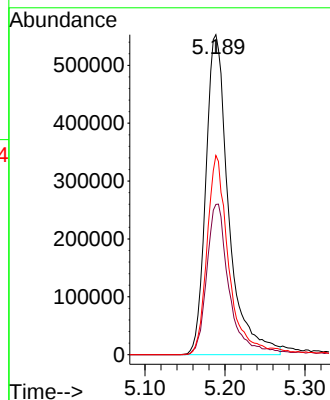
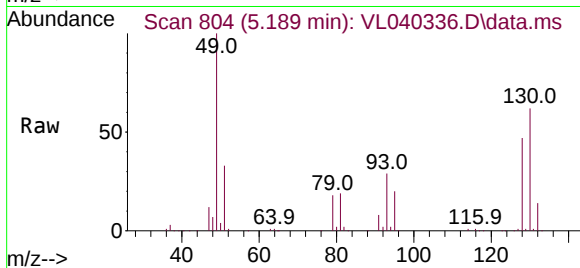




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 804
Delta R.T. -0.000 min
Lab File: VL040336.D
Acq: 12 Apr 2023 10:43

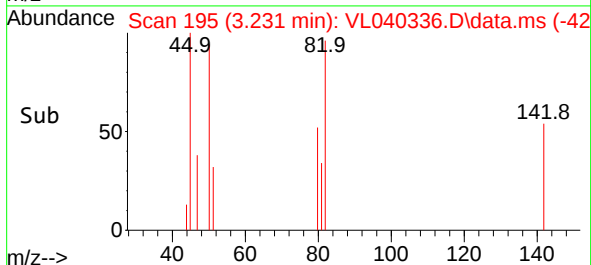
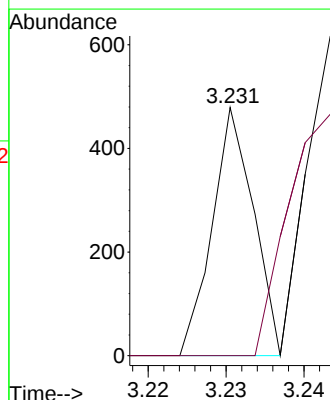
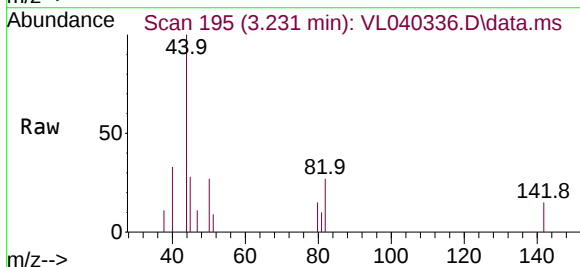
Instrument :
MSVOA_L
ClientSampleId :
VL0412ABL01

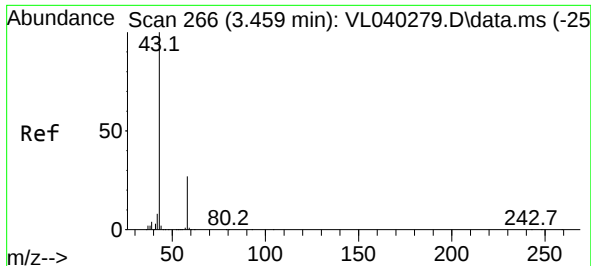
Tgt Ion: 49 Resp: 1100072
Ion Ratio Lower Upper
49 100
128 47.7 22.4 67.3
130 61.4 28.7 86.1



#13
Ethanol
Concen: 0.045 ppbv
RT: 3.231 min Scan# 195
Delta R.T. -0.006 min
Lab File: VL040336.D
Acq: 12 Apr 2023 10:43

Tgt Ion: 45 Resp: 176
Ion Ratio Lower Upper
45 100
46 0.0 15.0 60.2#





#15

Acetone

Concen: 0.123 ppbv

RT: 3.488 min Scan# 21

Delta R.T. 0.029 min

Lab File: VL040336.D

Acq: 12 Apr 2023 10:43

Instrument :

MSVOA_L

ClientSampleId :

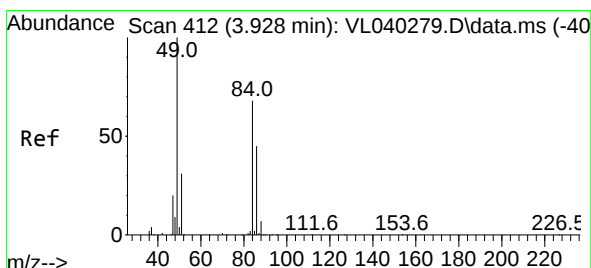
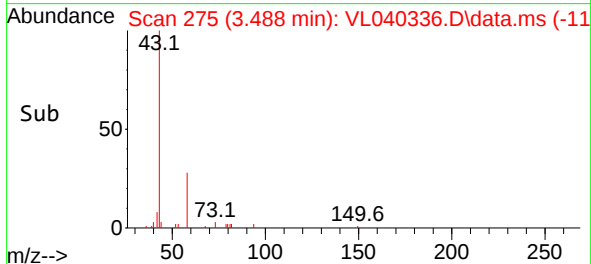
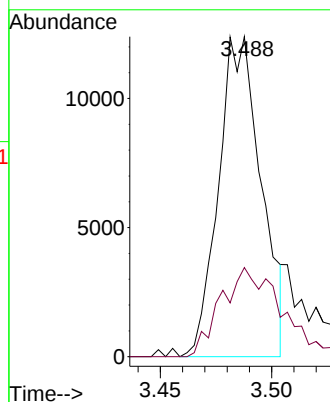
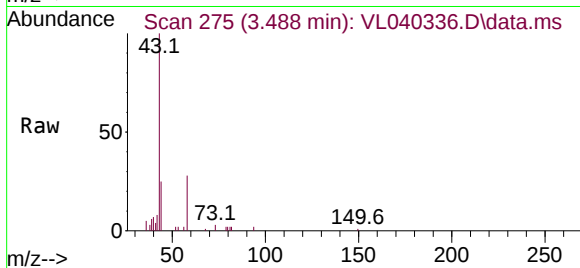
VL0412ABL01

Tgt Ion: 43 Resp: 16518

Ion Ratio Lower Upper

43 100

58 40.6 21.8 32.8#



#20

Methylene Chloride

Concen: 0.242 ppbv

RT: 3.925 min Scan# 411

Delta R.T. -0.003 min

Lab File: VL040336.D

Acq: 12 Apr 2023 10:43

Tgt Ion: 84 Resp: 13616

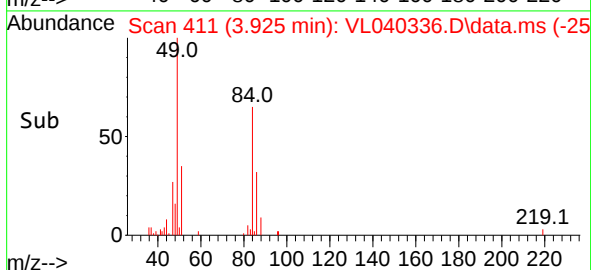
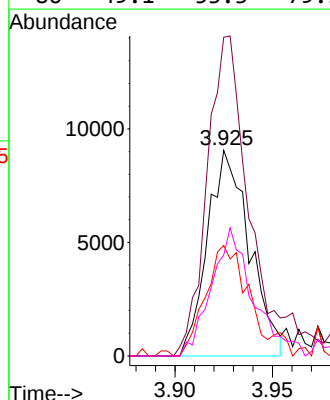
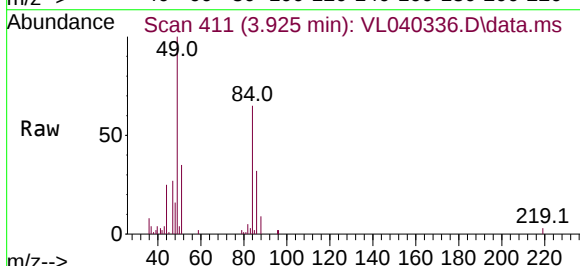
Ion Ratio Lower Upper

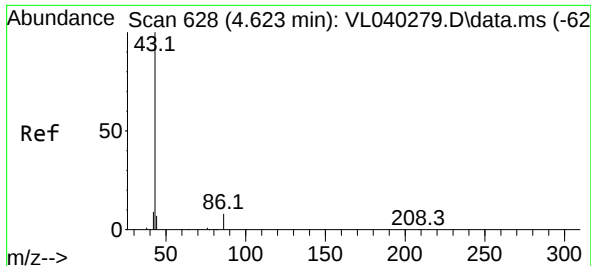
84 100

49 150.5 117.5 176.3

51 53.7 36.9 55.3

86 49.1 53.3 79.9#

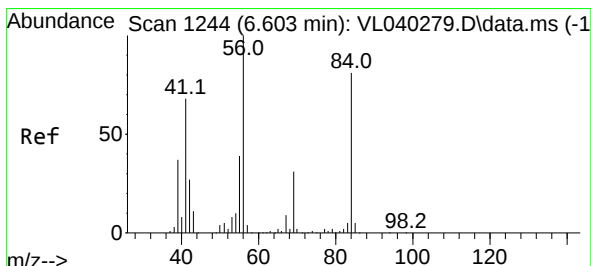
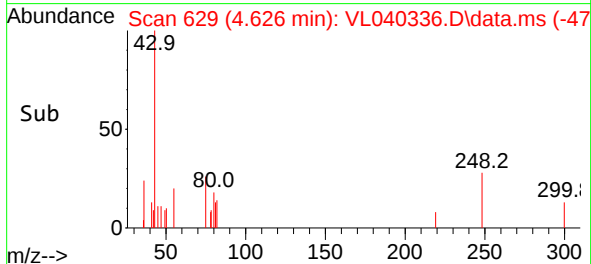
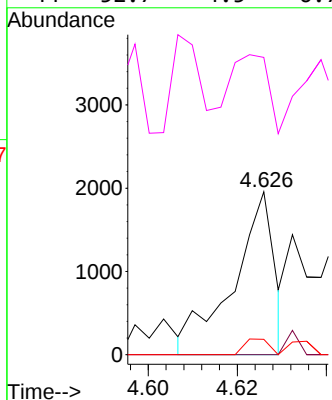
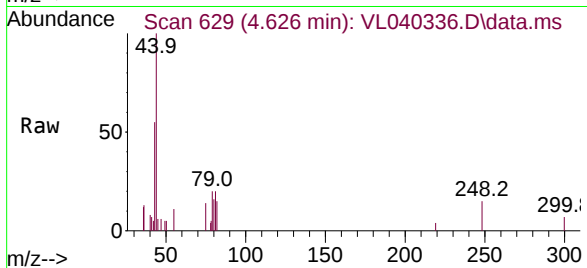




#23
 Vinyl Acetate
 Concen: 0.034 ppbv
 RT: 4.626 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL040336.D
 Acq: 12 Apr 2023 10:43

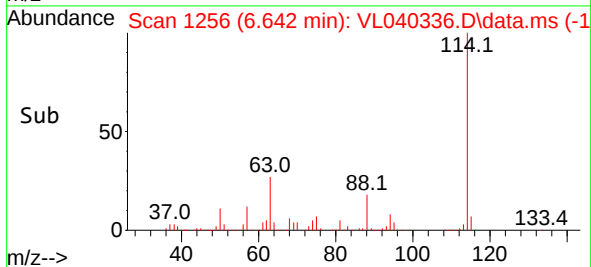
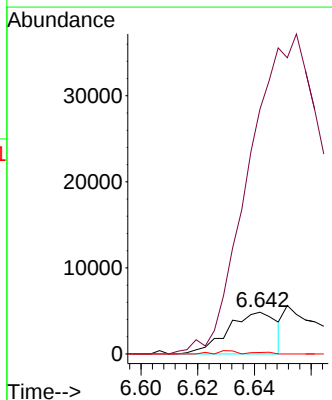
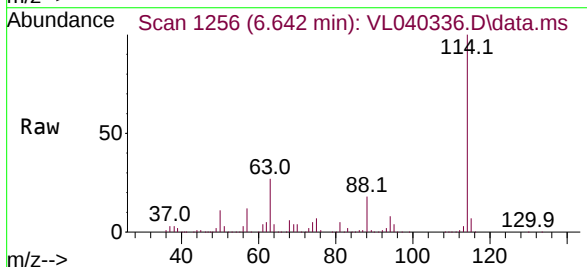
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0412ABL01

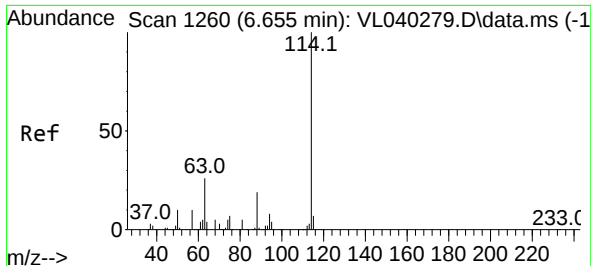
Tgt Ion: 43	Resp:	1250	
Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.0	7.4#
42	10.6	9.1	13.7
44	52.7	4.5	6.7#



#30
 Cyclohexane
 Concen: 0.072 ppbv
 RT: 6.642 min Scan# 1256
 Delta R.T. 0.039 min
 Lab File: VL040336.D
 Acq: 12 Apr 2023 10:43

Tgt Ion: 84	Resp:	5820	
Ion Ratio	Lower	Upper	
84 100			
56 0.0	109.0	163.4#	
41 4.9	67.9	101.9#	





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.652 min Scan# 1259

Delta R.T. -0.003 min

Lab File: VL040336.D

Acq: 12 Apr 2023 10:43

Instrument :

MSVOA_1

ClientSampleId :

VL0412ABL01

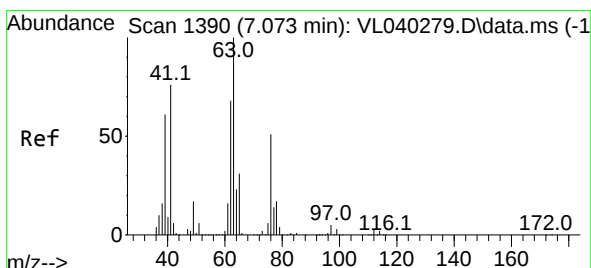
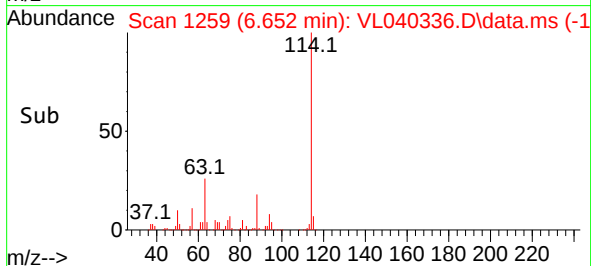
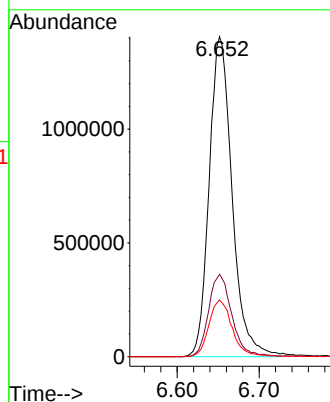
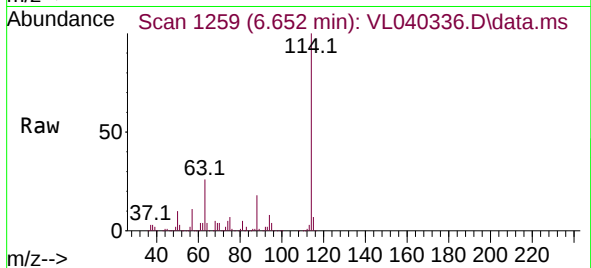
Tgt Ion:114 Resp: 2723206

Ion Ratio Lower Upper

114 100

63 26.4 21.2 31.8

88 18.1 14.5 21.7



#39

1,2-Dichloropropane

Concen: 8.610 ppbv

RT: 6.652 min Scan# 1259

Delta R.T. -0.421 min

Lab File: VL040336.D

Acq: 12 Apr 2023 10:43

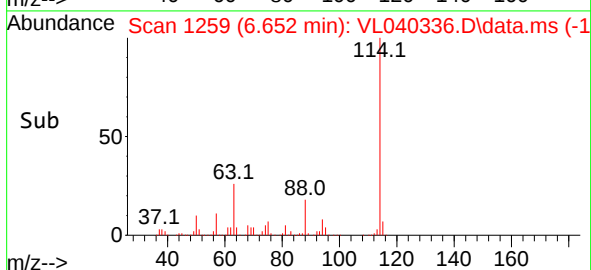
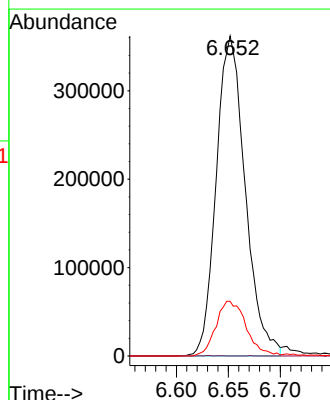
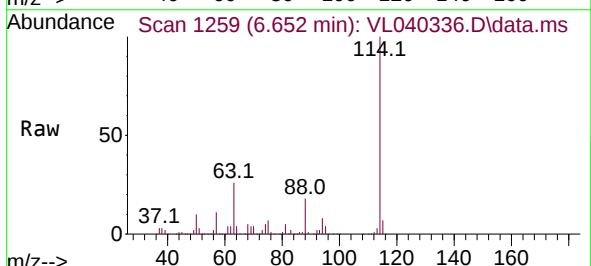
Tgt Ion: 63 Resp: 701034

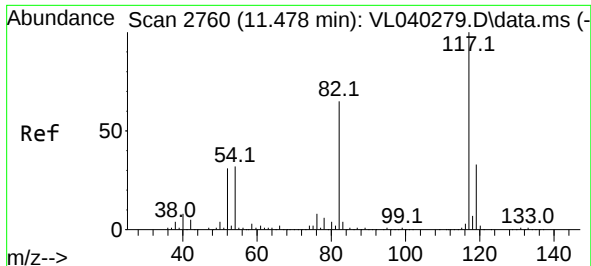
Ion Ratio Lower Upper

63 100

41 0.0 60.8 91.2#

62 17.1 54.1 81.1#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.475 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL040336.D

Acq: 12 Apr 2023 10:43

Instrument :

MSVOA_L

ClientSampleId :

VL0412ABL01

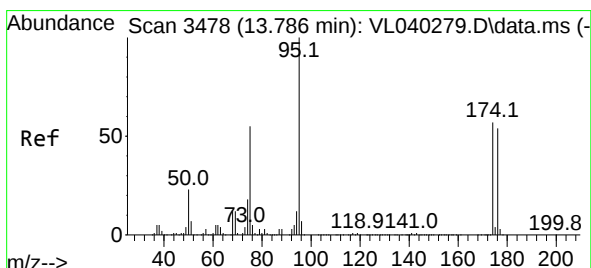
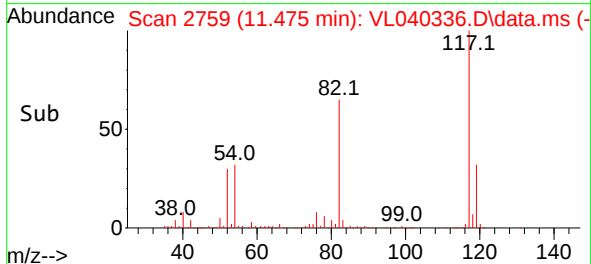
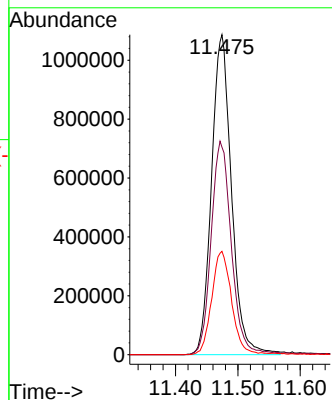
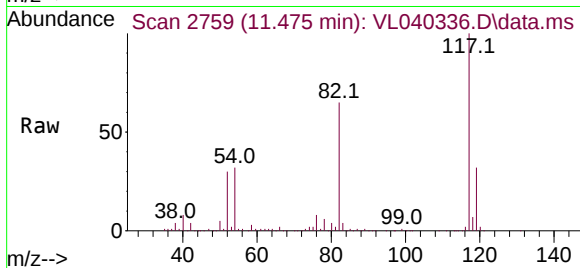
Tgt Ion:117 Resp: 2416838

Ion Ratio Lower Upper

117 100

82 67.6 51.4 77.2

119 32.7 24.0 36.0



#68

1-Bromo-4-Fluorobenzene

Concen: 9.566 ppbv

RT: 13.786 min Scan# 3478

Delta R.T. 0.000 min

Lab File: VL040336.D

Acq: 12 Apr 2023 10:43

Tgt Ion: 95 Resp: 1936100

Ion Ratio Lower Upper

95 100

174 59.5 47.0 70.6

175 4.4 3.4 5.2

