

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112723\
 Data File : VL040903.D
 Acq On : 27 Nov 2023 10:19
 Operator : SY/MD
 Sample : VL1127ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 28 04:36:10 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 : Tue Nov 28 04:31:59 2023
 Response via : Initial Calibration

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

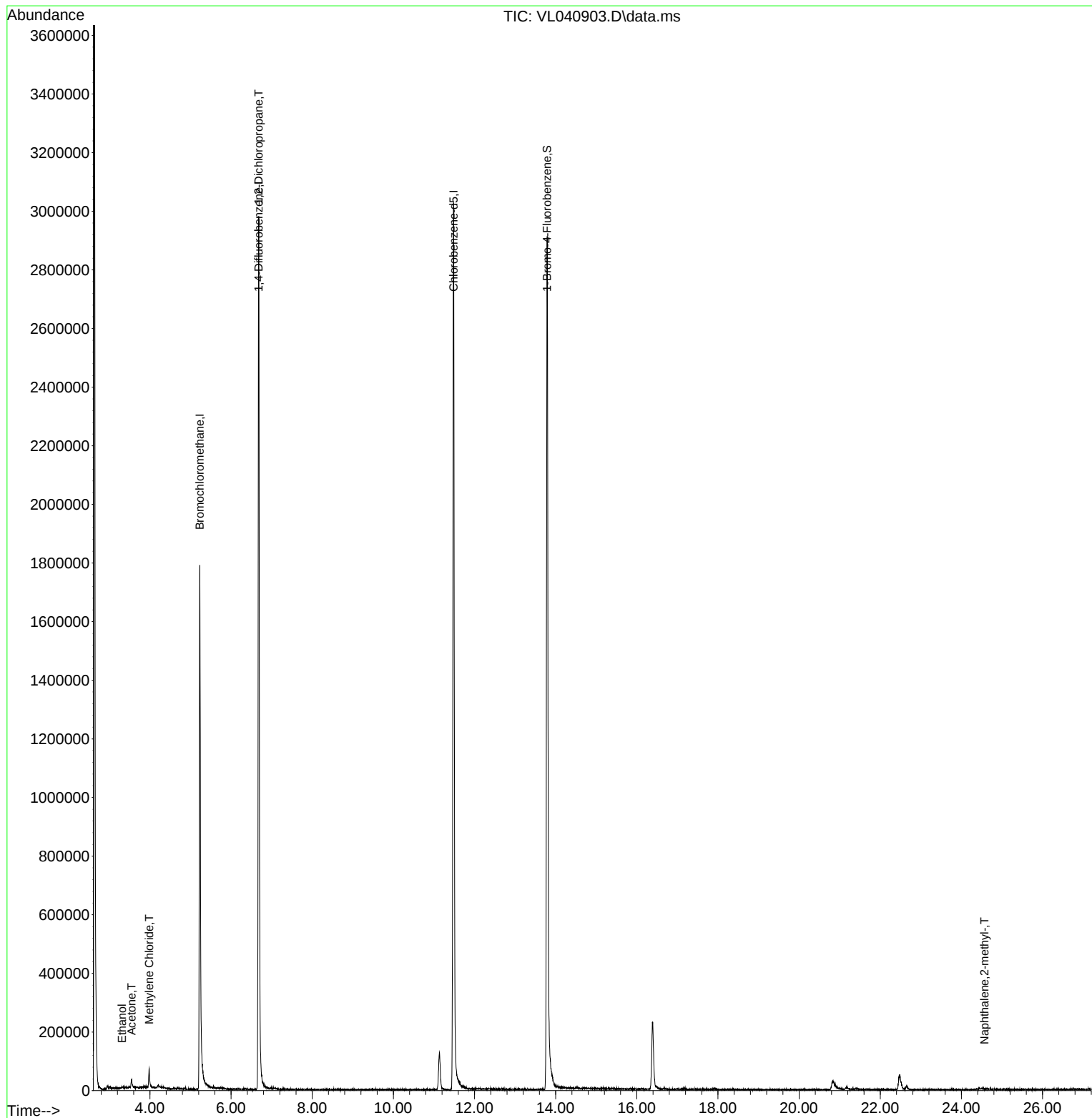
Internal Standards						
1) Bromochloromethane	5.227	49	917733	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.681	114	2266336	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.484	117	1922215	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.790	95	1528484	10.156	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.600%
Target Compounds						
					Qvalue	
13) Ethanol	3.311	45	380	0.040	ppbv #	100
15) Acetone	3.546	43	25538	0.261	ppbv #	73
20) Methylene Chloride	3.980	84	19313	0.479	ppbv	95
39) 1,2-Dichloropropane	6.677	63	587164	8.051	ppbv #	23
80) Naphthalene,2-methyl-	24.570	142	1438	0.072	ppbv	87

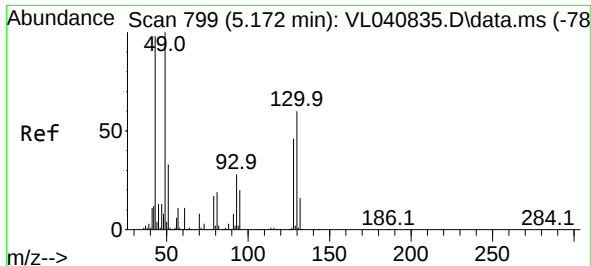
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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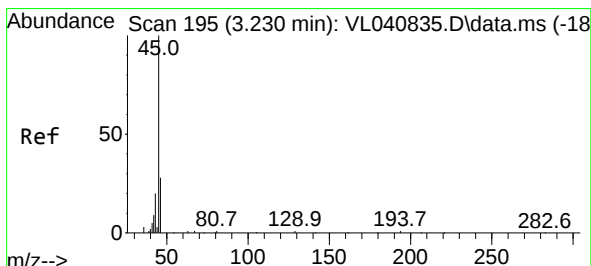
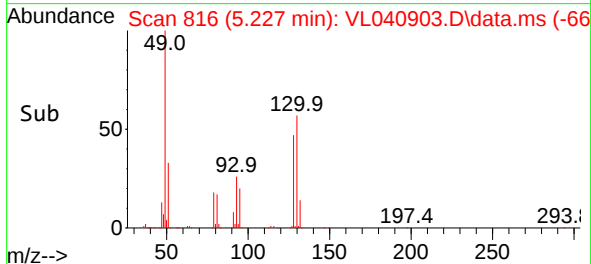
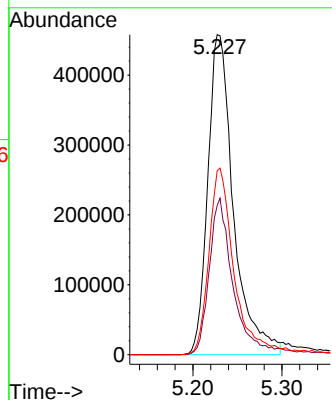
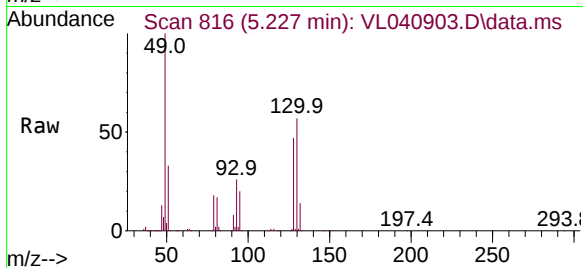




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.227 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL040903.D
Acq: 27 Nov 2023 10:19

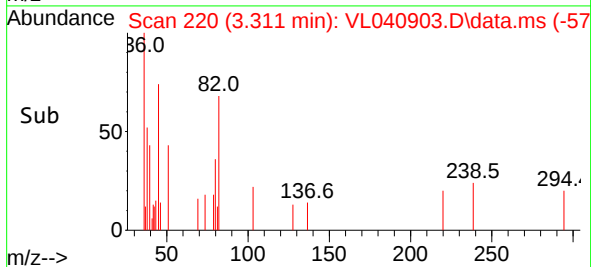
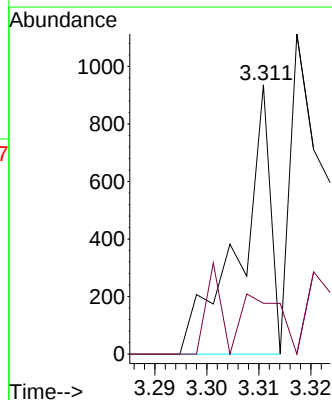
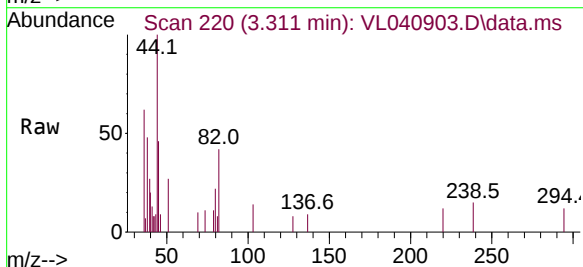
Instrument :
MSVOA_L
ClientSampleId :

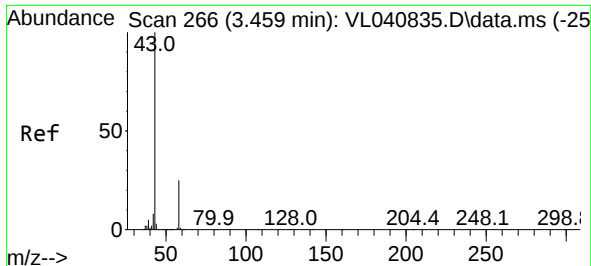
Tgt Ion: 49 Resp: 917733
Ion Ratio Lower Upper
49 100
128 47.0 23.8 71.2
130 58.9 30.9 92.8



#13
Ethanol
Concen: 0.040 ppbv
RT: 3.311 min Scan# 220
Delta R.T. 0.023 min
Lab File: VL040903.D
Acq: 27 Nov 2023 10:19

Tgt Ion: 45 Resp: 380
Ion Ratio Lower Upper
45 100
46 0.0 0.0 0.0

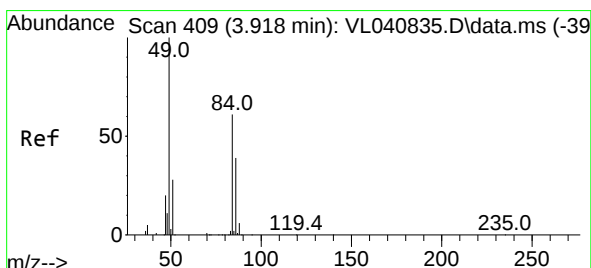
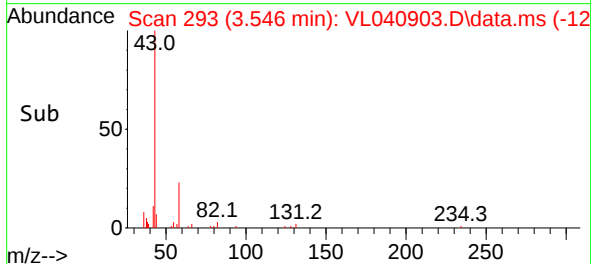
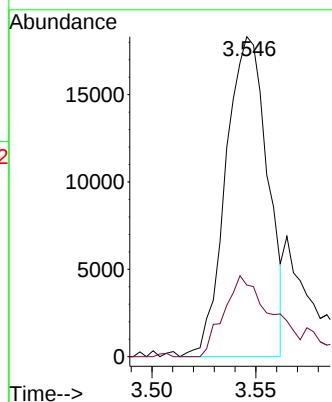
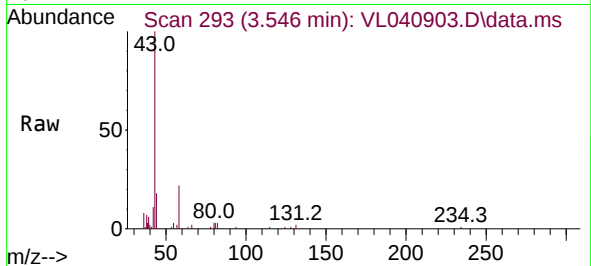




#15
Acetone
Concen: 0.261 ppbv
RT: 3.546 min Scan# 24
Delta R.T. 0.032 min
Lab File: VL040903.D
Acq: 27 Nov 2023 10:19

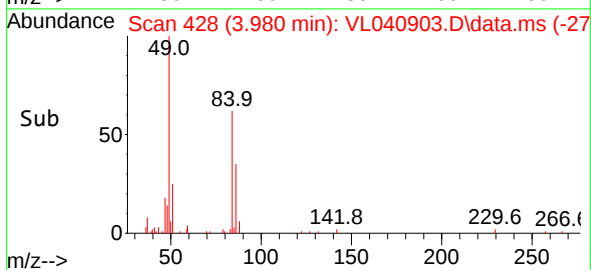
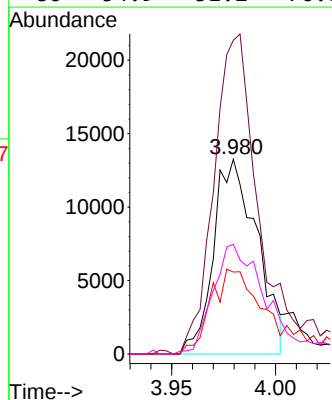
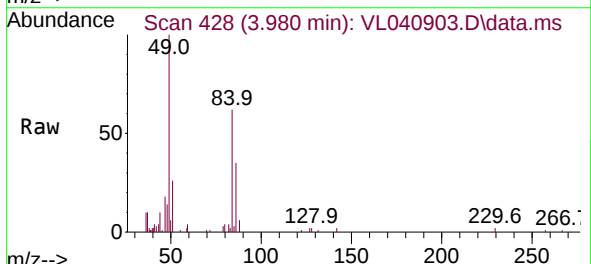
Instrument :
MSVOA_L
ClientSampleId :

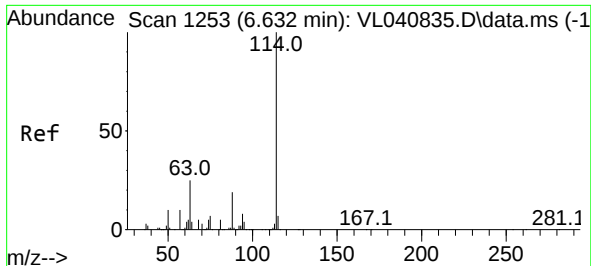
Tgt Ion: 43 Resp: 25538
Ion Ratio Lower Upper
43 100
58 39.7 20.9 31.3#



#20
Methylene Chloride
Concen: 0.479 ppbv
RT: 3.980 min Scan# 428
Delta R.T. 0.003 min
Lab File: VL040903.D
Acq: 27 Nov 2023 10:19

Tgt Ion: 84 Resp: 19313
Ion Ratio Lower Upper
84 100
49 161.0 131.0 196.4
51 42.1 36.9 55.3
86 54.9 51.2 76.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.681 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL040903.D

Acq: 27 Nov 2023 10:19

Instrument :

MSVOA_L

ClientSampleId :

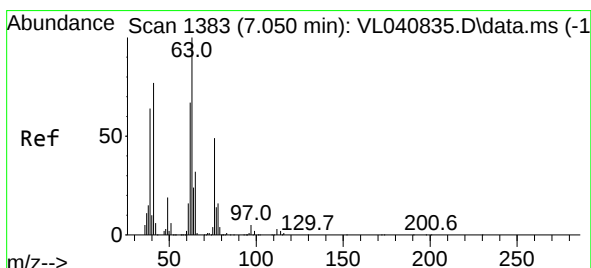
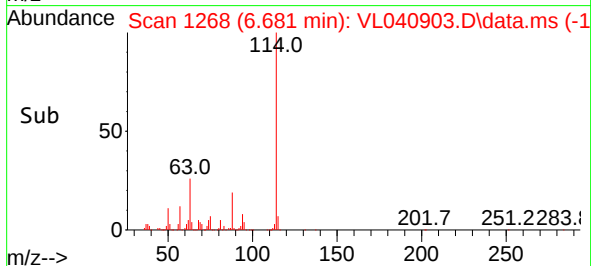
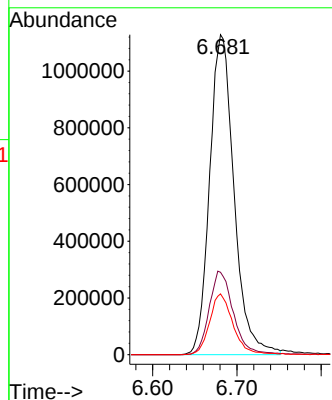
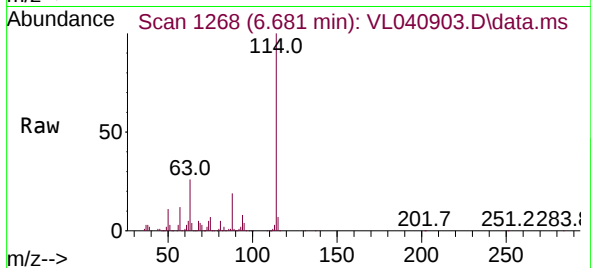
Tgt Ion:114 Resp: 2266336

Ion Ratio Lower Upper

114 100

63 26.3 20.9 31.3

88 18.4 14.3 21.5



#39

1,2-Dichloropropane

Concen: 8.051 ppbv

RT: 6.677 min Scan# 1267

Delta R.T. -0.421 min

Lab File: VL040903.D

Acq: 27 Nov 2023 10:19

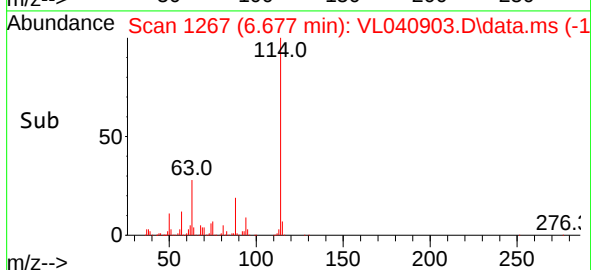
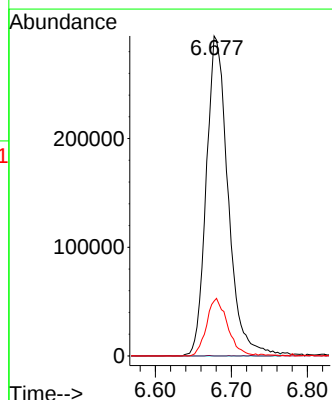
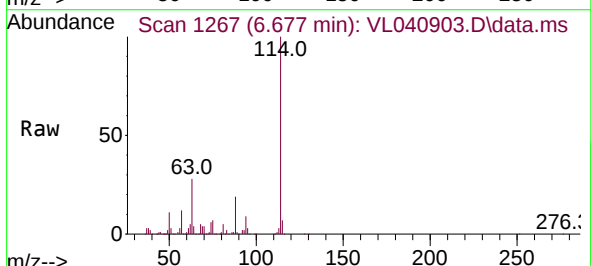
Tgt Ion: 63 Resp: 587164

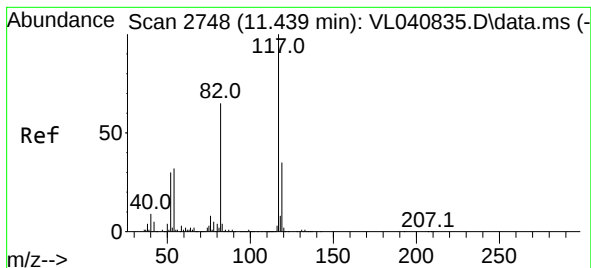
Ion Ratio Lower Upper

63 100

41 0.0 61.5 92.3#

62 17.1 53.9 80.9#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.484 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL040903.D

Acq: 27 Nov 2023 10:19

Instrument :

MSVOA_L

ClientSampleId :

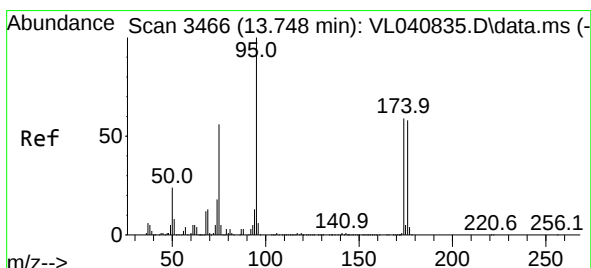
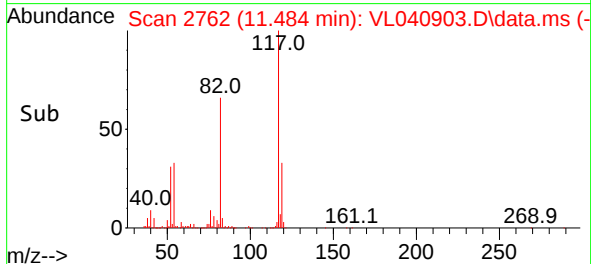
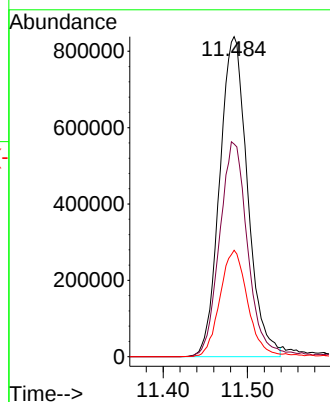
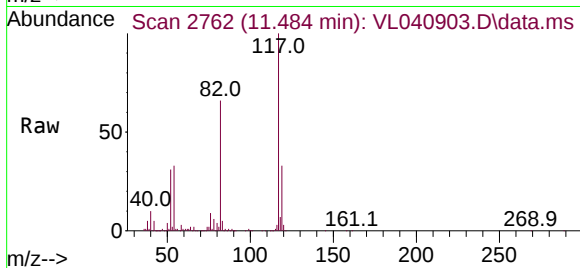
Tgt Ion:117 Resp: 1922215

Ion Ratio Lower Upper

117 100

82 68.2 50.6 75.8

119 33.7 23.3 34.9



#68

1-Bromo-4-Fluorobenzene

Concen: 10.156 ppbv

RT: 13.790 min Scan# 3479

Delta R.T. -0.003 min

Lab File: VL040903.D

Acq: 27 Nov 2023 10:19

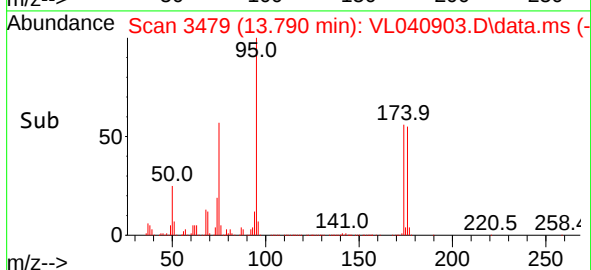
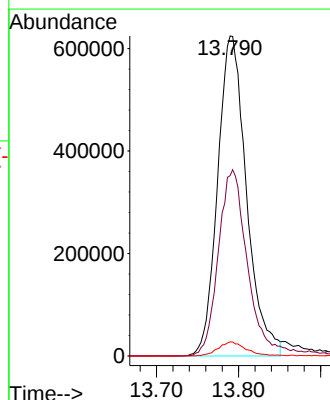
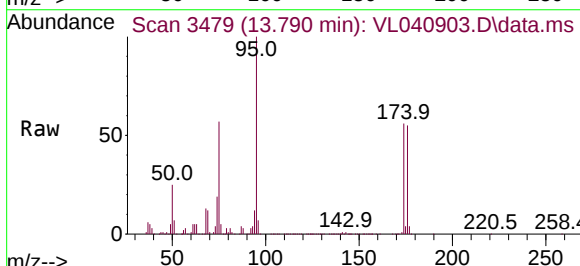
Tgt Ion: 95 Resp: 1528484

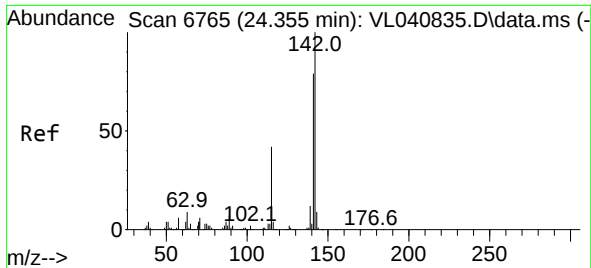
Ion Ratio Lower Upper

95 100

174 60.8 47.5 71.3

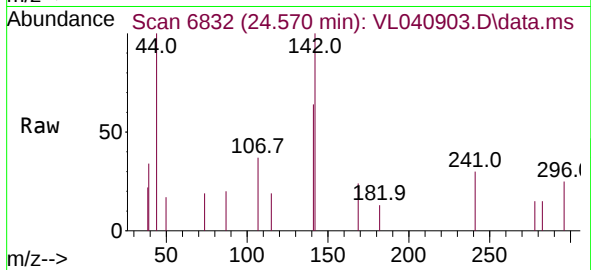
175 4.4 3.6 5.4





#80
Naphthalene, 2-methyl-
Concen: 0.072 ppbv
RT: 24.570 min Scan# 61
Delta R.T. 0.180 min
Lab File: VL040903.D
Acq: 27 Nov 2023 10:19

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion:	142	Resp:	1438
Ion	Ratio	Lower	Upper
142	100		
141	65.9	65.8	98.8
115	45.8	35.6	53.4

