

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030823\
 Data File : VL040254.D
 Acq On : 8 Mar 2023 14:57
 Operator : SY/MD
 Sample : 01836-02DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LM-3723-IADL

Quant Time: Mar 09 04:13:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Mar 01 04:21:39 2023
 Response via : Initial Calibration

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

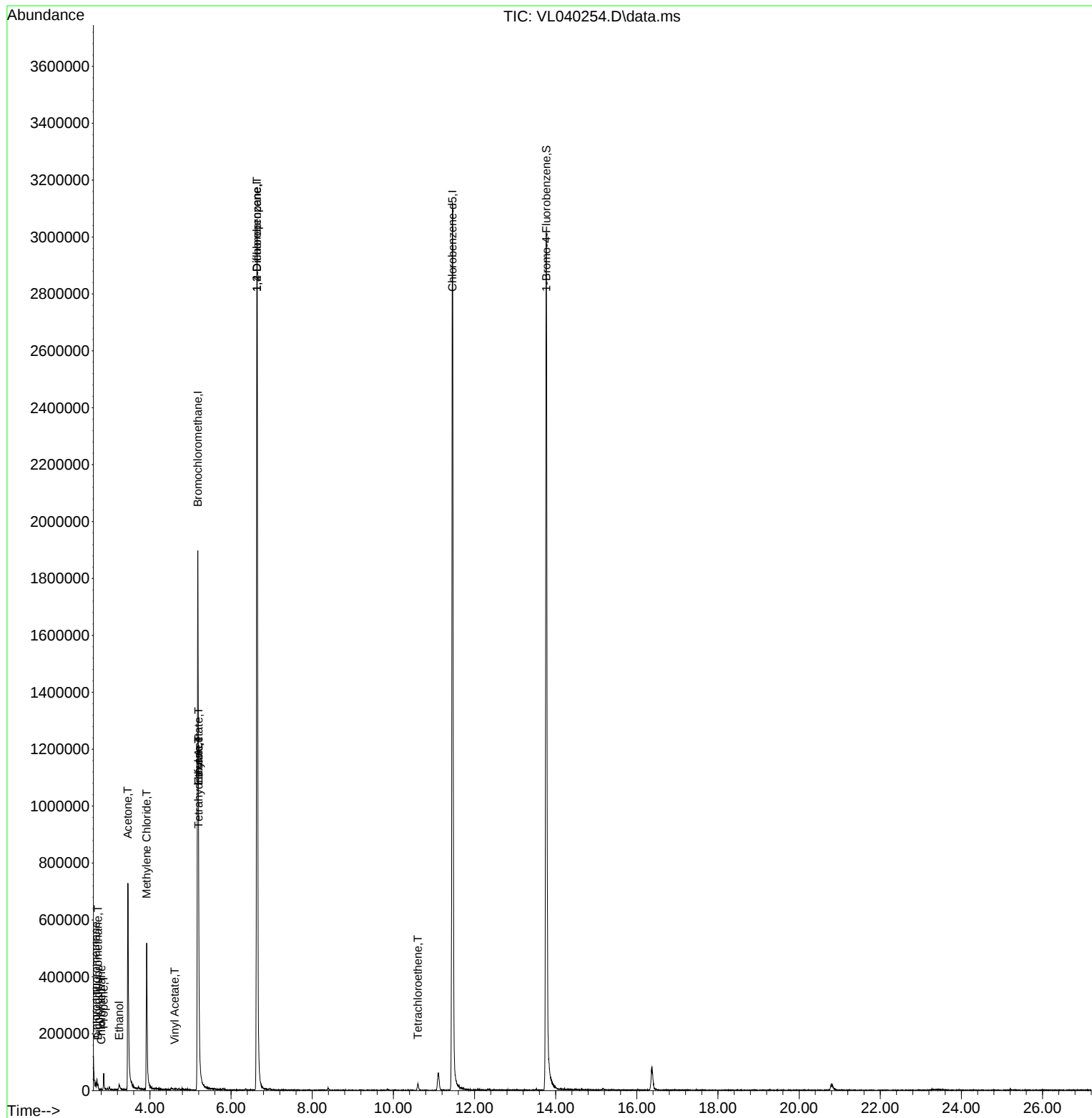
Internal Standards						
1) Bromochloromethane	5.179	49	892936	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.639	114	2211851	10.000	ppbv	-0.03
55) Chlorobenzene-d5	11.455	117	1934516	10.000	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	1521616	9.565	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.719	85	8690	0.052	ppbv	100
3) Chlorodifluoromethane	2.665	51	15240	0.143	ppbv	96
4) Chloromethane	2.800	50	2712	0.040	ppbv #	52
9) Propene	2.861	41	13139	0.302	ppbv	90
13) Ethanol	3.240	45	13159	3.287	ppbv #	60
15) Acetone	3.456	43	822584	7.652	ppbv	99
20) Methylene Chloride	3.922	84	181445	3.242	ppbv	98
23) Vinyl Acetate	4.610	43	1030	0.032	ppbv #	69
25) Ethyl Acetate	5.198	43	76739	0.384	ppbv #	76
26) Hexane	5.198	57	112383	1.310	ppbv #	36
39) 1,2-Dichloropropane	6.639	63	570653	8.522	ppbv #	25
41) Tetrahydrofuran	5.201	42	47034	0.744	ppbv #	47
52) Tetrachloroethene	10.603	164	2369	0.044	ppbv #	75

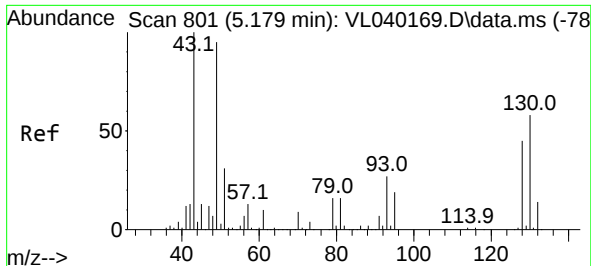
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Wed Mar 01 04:21:39 2023
Response via : Initial Calibration

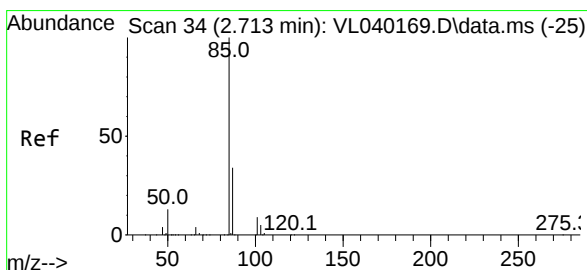
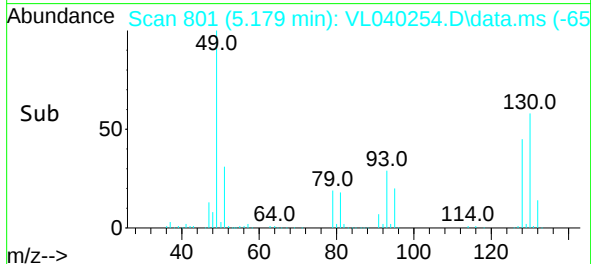
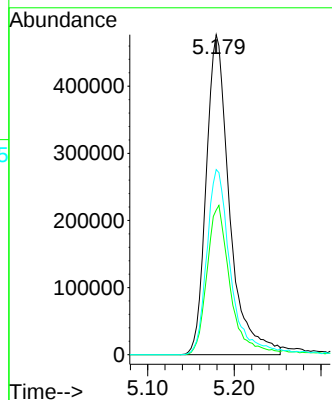
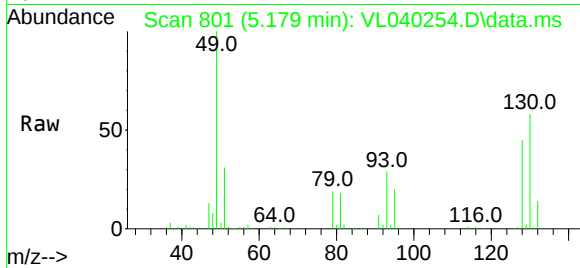




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.179 min Scan# 801
Delta R.T. -0.022 min
Lab File: VL040254.D
Acq: 8 Mar 2023 14:57

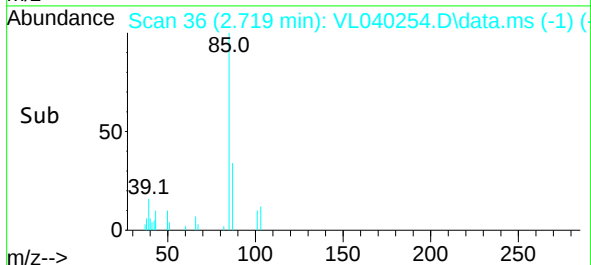
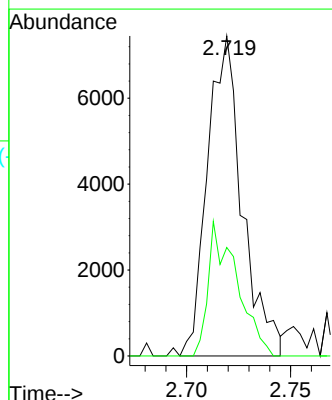
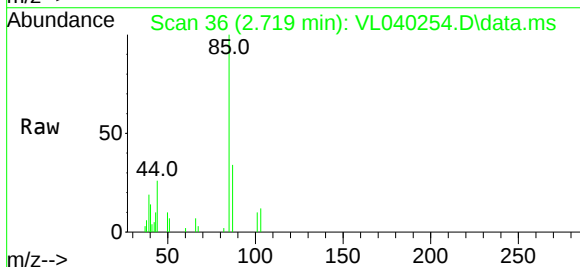
Instrument :
MSVOA_L
ClientSampleId :
LM-3723-IADL

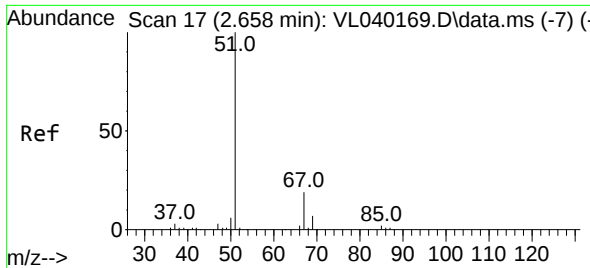
Tgt Ion: 49 Resp: 892936
Ion Ratio Lower Upper
49 100
128 48.3 24.1 72.3
130 60.1 30.9 92.8



#2
Dichlorodifluoromethane
Concen: 0.052 ppbv
RT: 2.719 min Scan# 36
Delta R.T. -0.006 min
Lab File: VL040254.D
Acq: 8 Mar 2023 14:57

Tgt Ion: 85 Resp: 8690
Ion Ratio Lower Upper
85 100
87 33.9 27.0 40.6

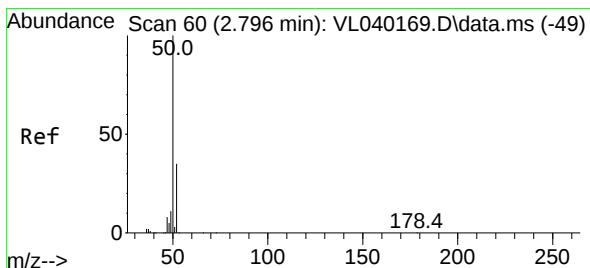
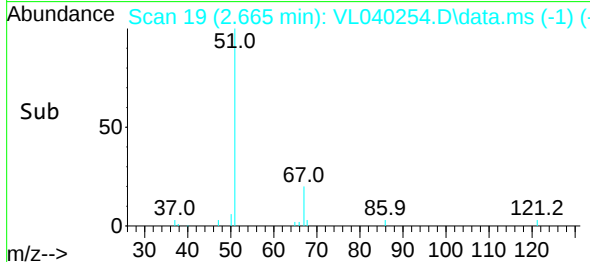
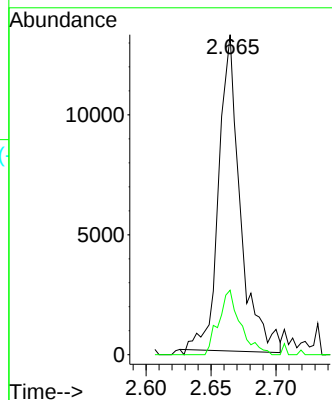
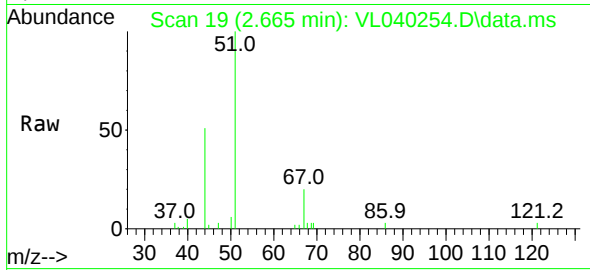




#3
Chlorodifluoromethane
Concen: 0.143 ppbv
RT: 2.665 min Scan# 19
Delta R.T. -0.006 min
Lab File: VL040254.D
Acq: 8 Mar 2023 14:57

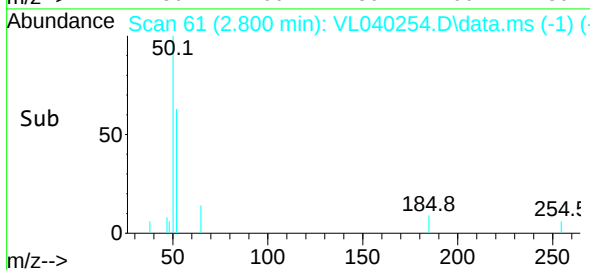
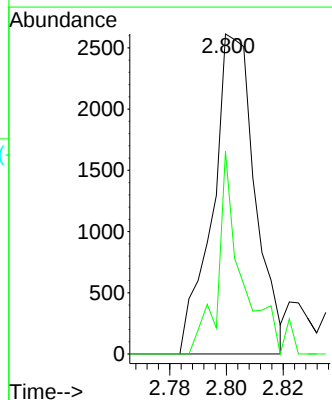
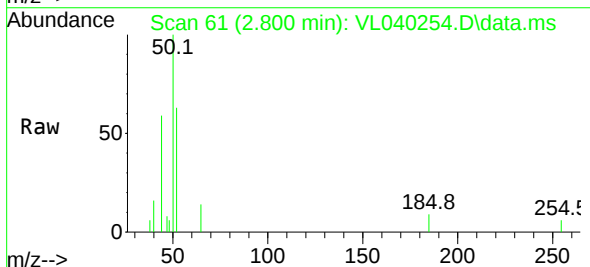
Instrument :
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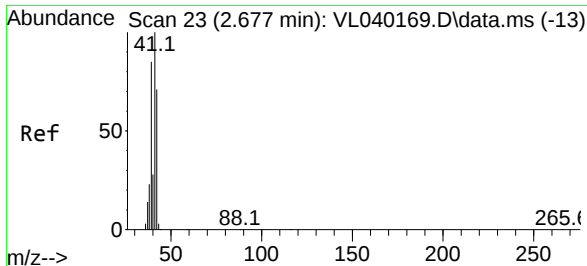
Tgt Ion: 51 Resp: 15240
Ion Ratio Lower Upper
51 100
67 21.1 15.4 23.2



#4
Chloromethane
Concen: 0.040 ppbv
RT: 2.800 min Scan# 61
Delta R.T. -0.013 min
Lab File: VL040254.D
Acq: 8 Mar 2023 14:57

Tgt Ion: 50 Resp: 2712
Ion Ratio Lower Upper
50 100
52 63.4 28.3 42.5#

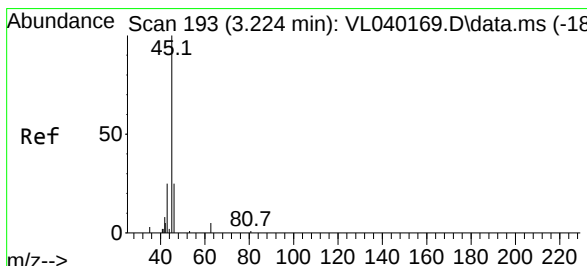
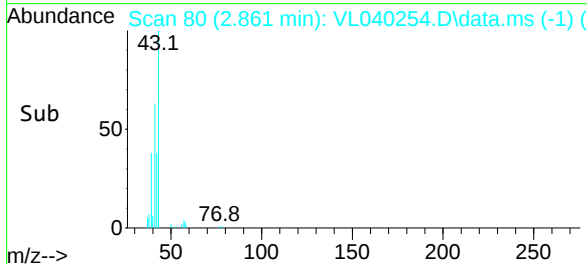
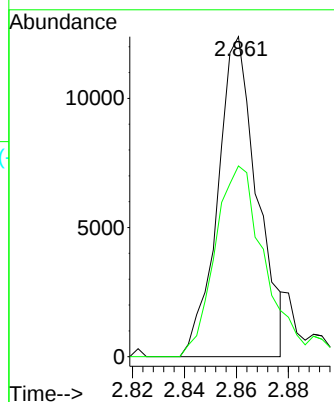
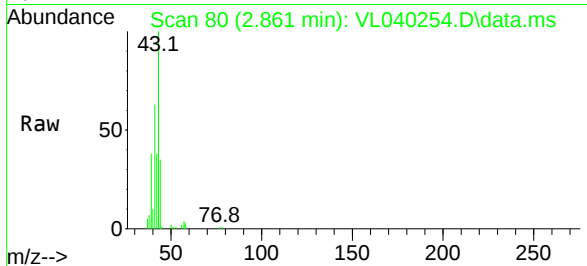




#9
 Propene
 Concen: 0.302 ppbv
 RT: 2.861 min Scan# 80
 Delta R.T. 0.171 min
 Lab File: VL040254.D
 Acq: 8 Mar 2023 14:57

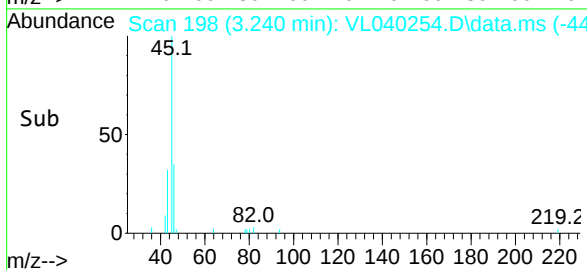
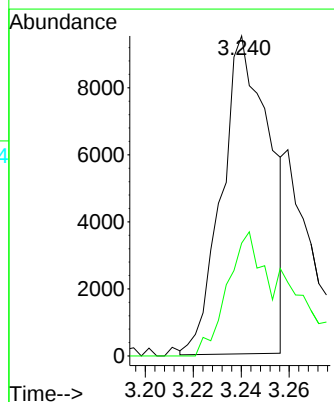
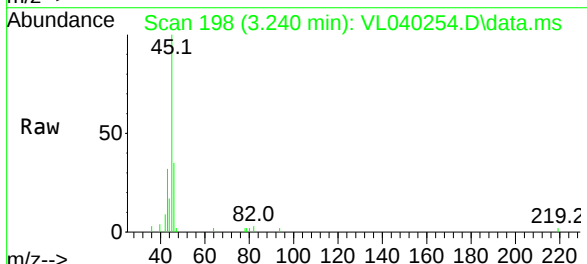
Instrument :
 MSVOA_L
 ClientSampleId :
 LM-3723-IADL

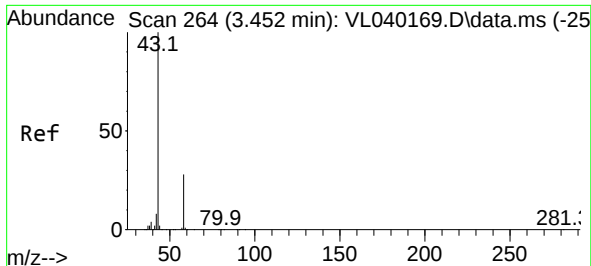
Tgt Ion: 41 Resp: 13139
 Ion Ratio Lower Upper
 41 100
 42 79.0 56.9 85.3



#13
 Ethanol
 Concen: 3.287 ppbv
 RT: 3.240 min Scan# 198
 Delta R.T. -0.006 min
 Lab File: VL040254.D
 Acq: 8 Mar 2023 14:57

Tgt Ion: 45 Resp: 13159
 Ion Ratio Lower Upper
 45 100
 46 55.8 13.3 53.1#





#15

Acetone

Concen: 7.652 ppbv

RT: 3.456 min Scan# 2

Delta R.T. -0.013 min

Lab File: VL040254.D

Acq: 8 Mar 2023 14:57

Instrument :

MSVOA_L

ClientSampleId :

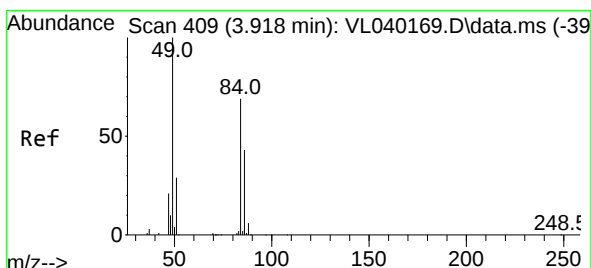
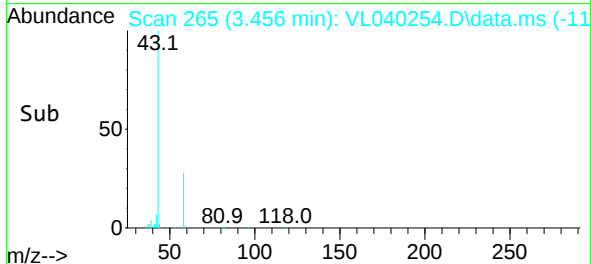
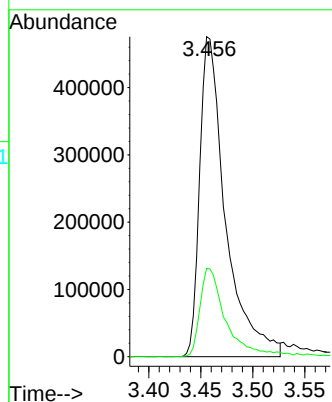
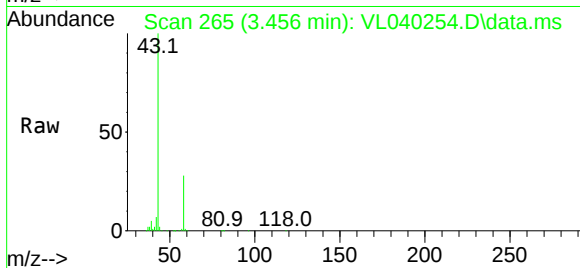
LM-3723-IADL

Tgt Ion: 43 Resp: 822584

Ion Ratio Lower Upper

43 100

58 28.7 22.4 33.6



#20

Methylene Chloride

Concen: 3.242 ppbv

RT: 3.922 min Scan# 410

Delta R.T. -0.013 min

Lab File: VL040254.D

Acq: 8 Mar 2023 14:57

Tgt Ion: 84 Resp: 181445

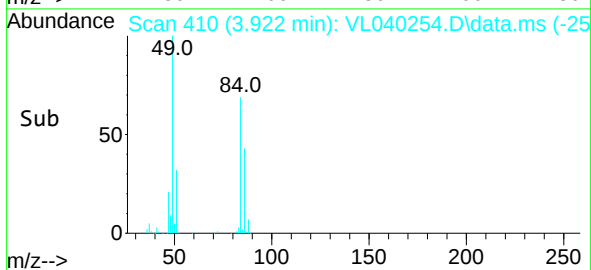
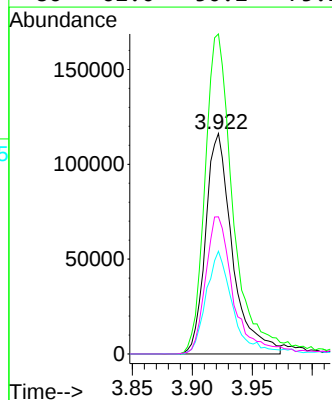
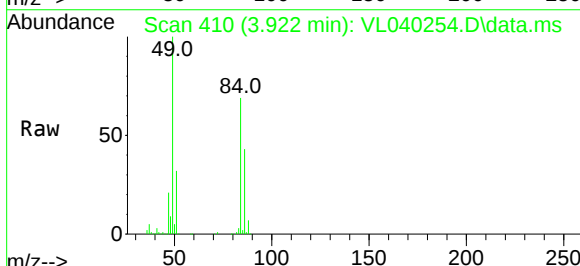
Ion Ratio Lower Upper

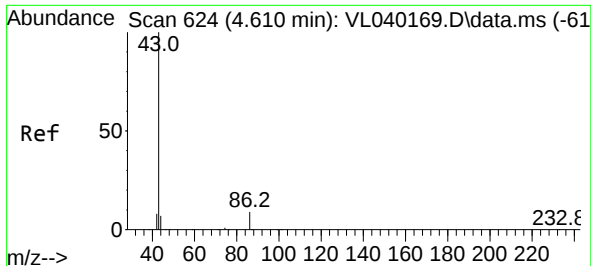
84 100

49 144.9 115.5 173.3

51 46.6 33.1 49.7

86 62.0 50.2 75.2

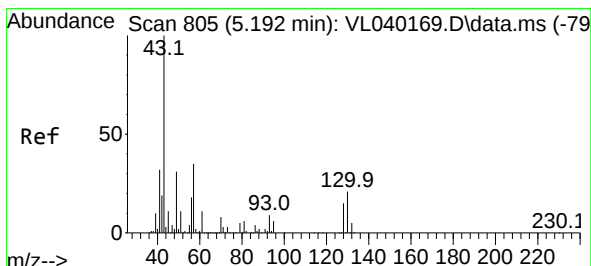
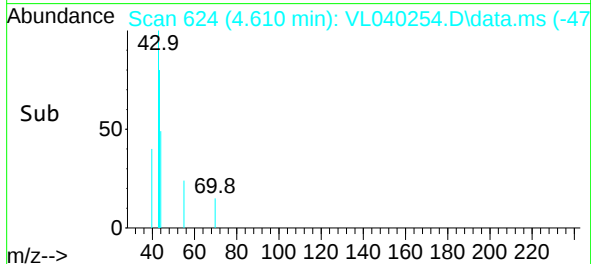
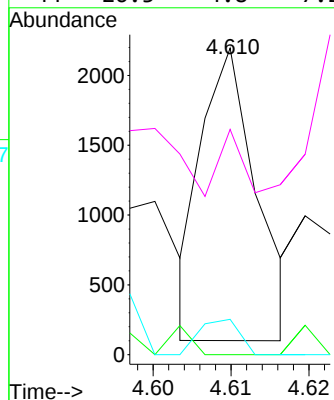
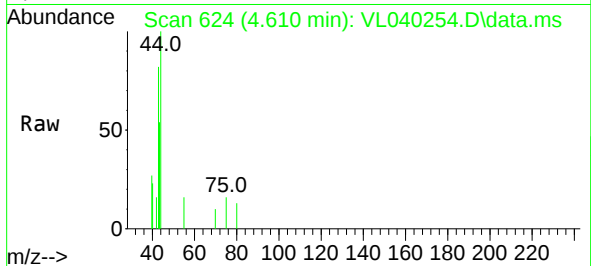




#23
 Vinyl Acetate
 Concen: 0.032 ppbv
 RT: 4.610 min Scan# 61
 Delta R.T. -0.022 min
 Lab File: VL040254.D
 Acq: 8 Mar 2023 14:57

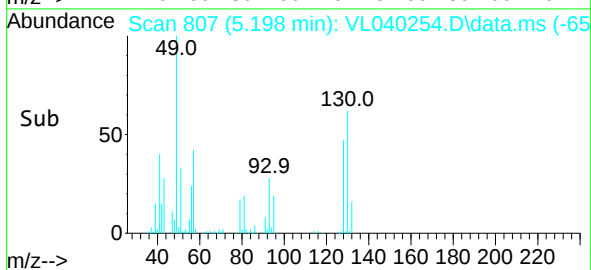
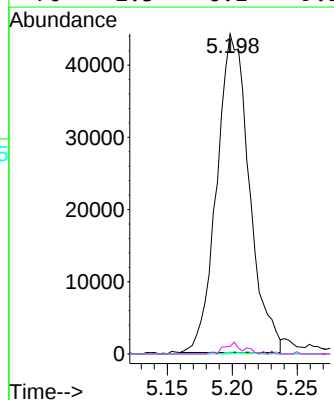
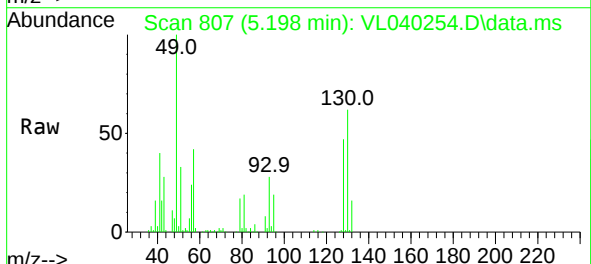
Instrument :
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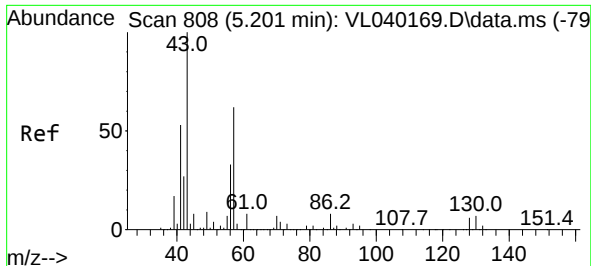
Tgt Ion:	43	Resp:	1030
Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.6	8.4#
42	16.8	7.6	11.4#
44	26.3	4.8	7.2#



#25
 Ethyl Acetate
 Concen: 0.384 ppbv
 RT: 5.198 min Scan# 807
 Delta R.T. -0.013 min
 Lab File: VL040254.D
 Acq: 8 Mar 2023 14:57

Tgt Ion:	43	Resp:	76739
Ion	Ratio	Lower	Upper
43	100		
45	0.5	8.3	12.5#
61	0.3	8.4	12.6#
70	2.3	6.1	9.1#



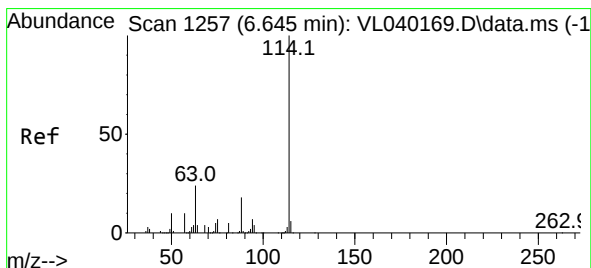
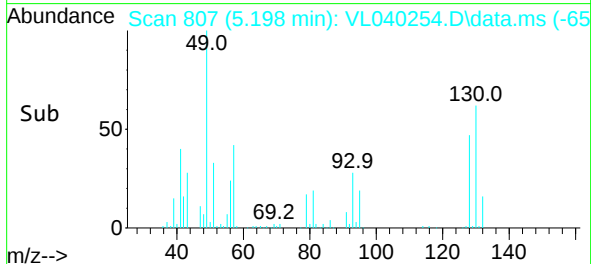
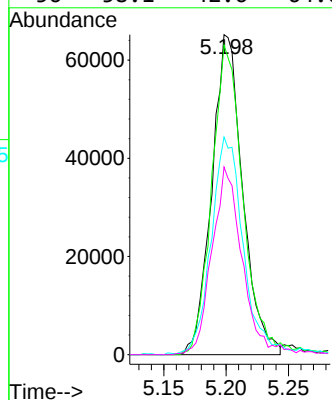
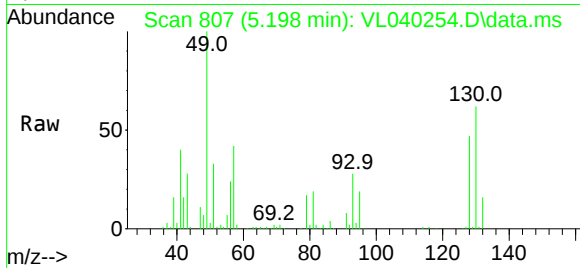


#26
Hexane
Concen: 1.310 ppbv
RT: 5.198 min Scan# 80
Delta R.T. -0.026 min
Lab File: VL040254.D
Acq: 8 Mar 2023 14:57

Instrument :
MSVOA_L
ClientSampleId :
LM-3723-IADL

Tgt Ion: 57 Resp: 112383

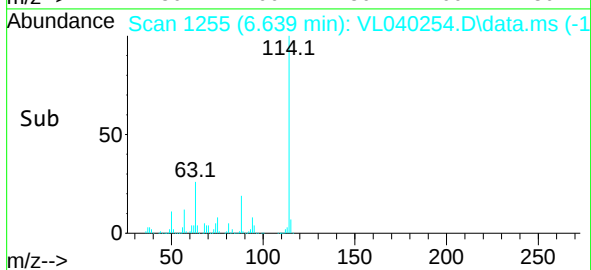
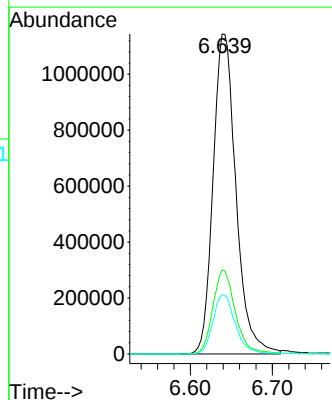
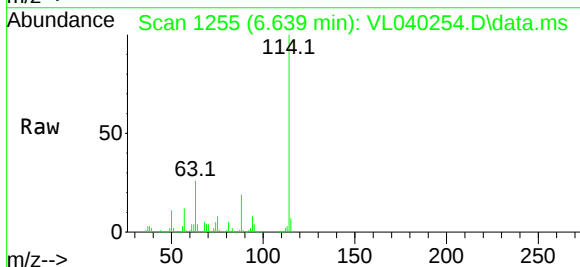
Ion	Ratio	Lower	Upper
57	100		
41	99.3	74.3	111.5
43	72.1	193.0	289.4#
56	58.1	42.6	64.0

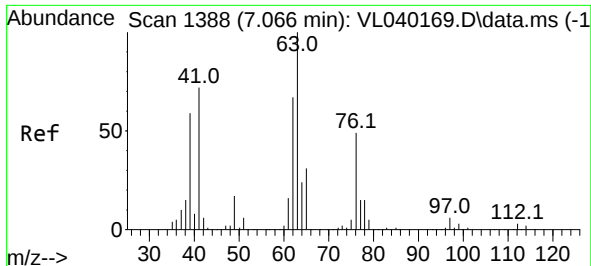


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.639 min Scan# 1255
Delta R.T. -0.026 min
Lab File: VL040254.D
Acq: 8 Mar 2023 14:57

Tgt Ion: 114 Resp: 2211851

Ion	Ratio	Lower	Upper
114	100		
63	25.9	20.4	30.6
88	18.3	14.3	21.5





#39

1,2-Dichloropropane

Concen: 8.522 ppbv

RT: 6.639 min Scan# 1

Delta R.T. -0.447 min

Lab File: VL040254.D

Acq: 8 Mar 2023 14:57

Instrument :

MSVOA_L

ClientSampleId :

LM-3723-IADL

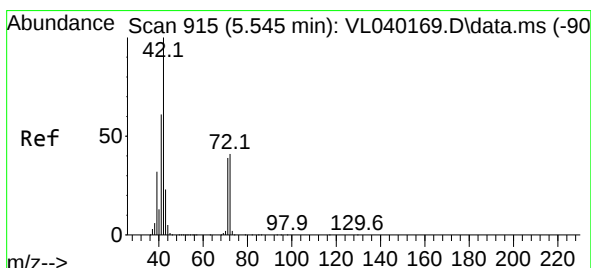
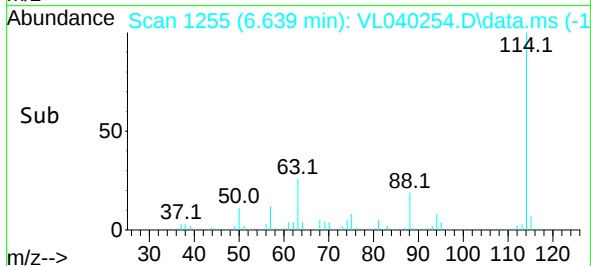
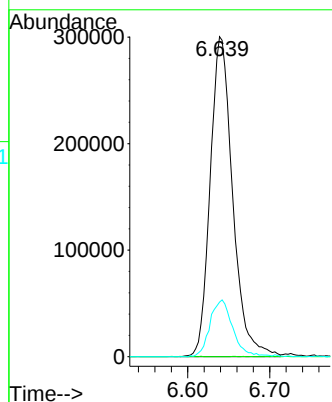
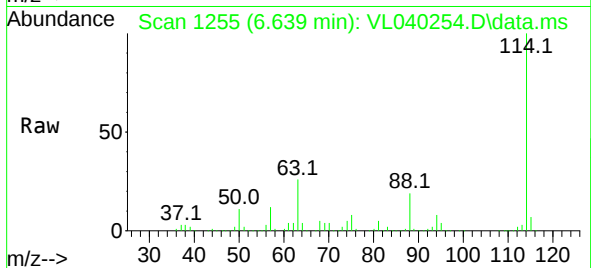
Tgt Ion: 63 Resp: 570653

Ion Ratio Lower Upper

63 100

41 0.0 57.6 86.4#

62 17.1 54.0 81.0#



#41

Tetrahydrofuran

Concen: 0.744 ppbv

RT: 5.201 min Scan# 808

Delta R.T. -0.366 min

Lab File: VL040254.D

Acq: 8 Mar 2023 14:57

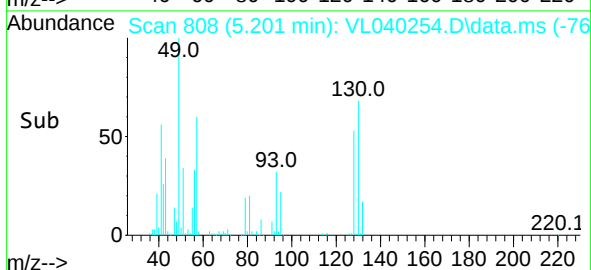
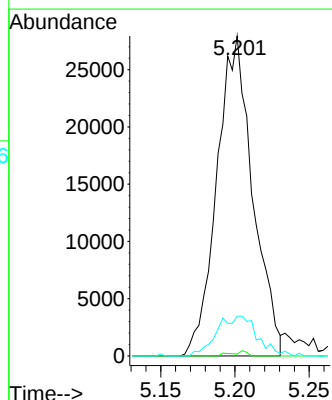
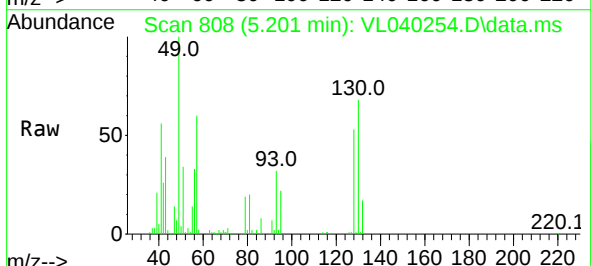
Tgt Ion: 42 Resp: 47034

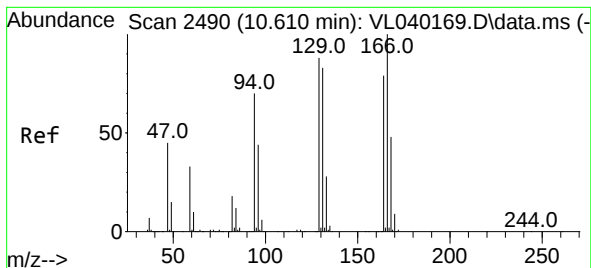
Ion Ratio Lower Upper

42 100

72 0.7 33.0 49.4#

71 14.2 31.4 47.2#





#52

Tetrachloroethene

Concen: 0.044 ppbv

RT: 10.603 min Scan# 2490

Delta R.T. -0.032 min

Lab File: VL040254.D

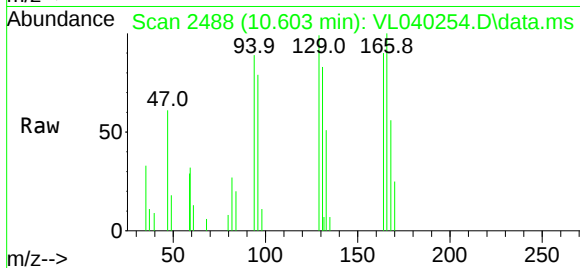
Acq: 8 Mar 2023 14:57

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ClientSampleId :

LM-3723-IADL



Tgt Ion:164 Resp: 2369

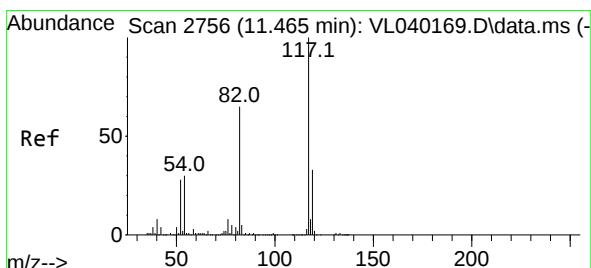
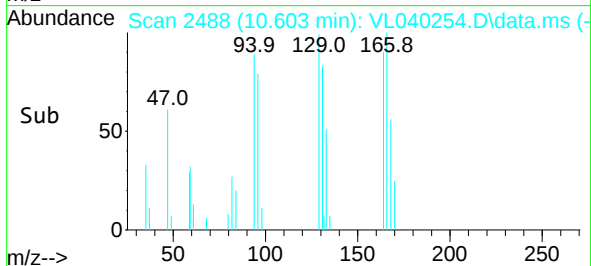
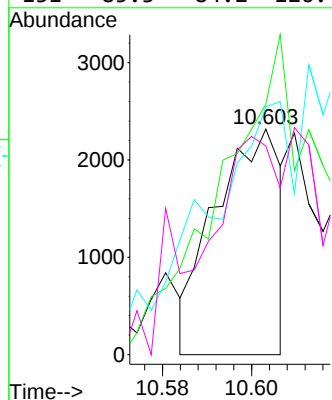
Ion Ratio Lower Upper

164 100

166 97.1 101.5 152.3#

129 79.0 89.0 133.4#

131 85.3 84.2 126.4



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.455 min Scan# 2753

Delta R.T. -0.032 min

Lab File: VL040254.D

Acq: 8 Mar 2023 14:57

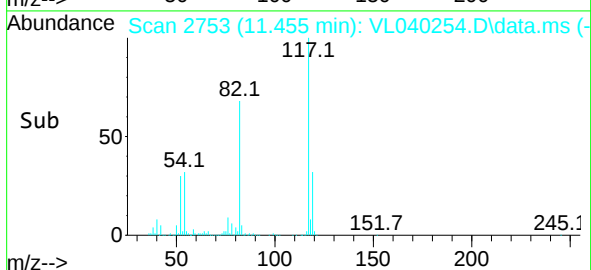
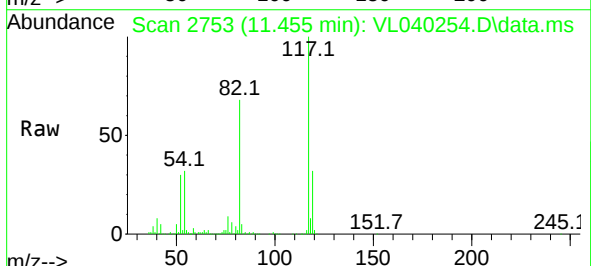
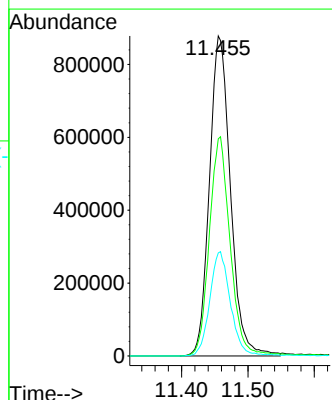
Tgt Ion:117 Resp: 1934516

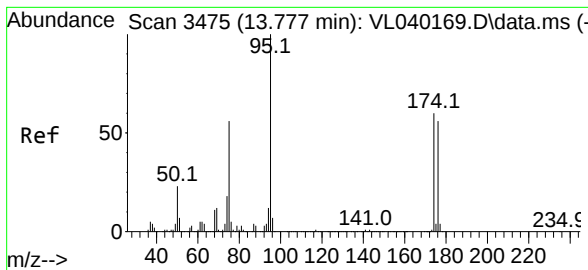
Ion Ratio Lower Upper

117 100

82 68.1 53.3 79.9

119 32.4 24.6 37.0





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.565 ppbv
 RT: 13.767 min Scan# 34
 Delta R.T. -0.029 min
 Lab File: VL040254.D
 Acq: 8 Mar 2023 14:57

Instrument :
 MSVOA_L
 ClientSampleId :
 LM-3723-IADL

Tgt Ion: 95 Resp: 1521616

Ion	Ratio	Lower	Upper
95	100		
174	59.5	48.2	72.2
175	4.3	3.4	5.2

