

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030823\
 Data File : VL040249.D
 Acq On : 8 Mar 2023 11:39
 Operator : SY/MD
 Sample : QC030623 CAN 10271
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC030623 CAN 10271

Quant Time: Mar 09 04:10:40 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)

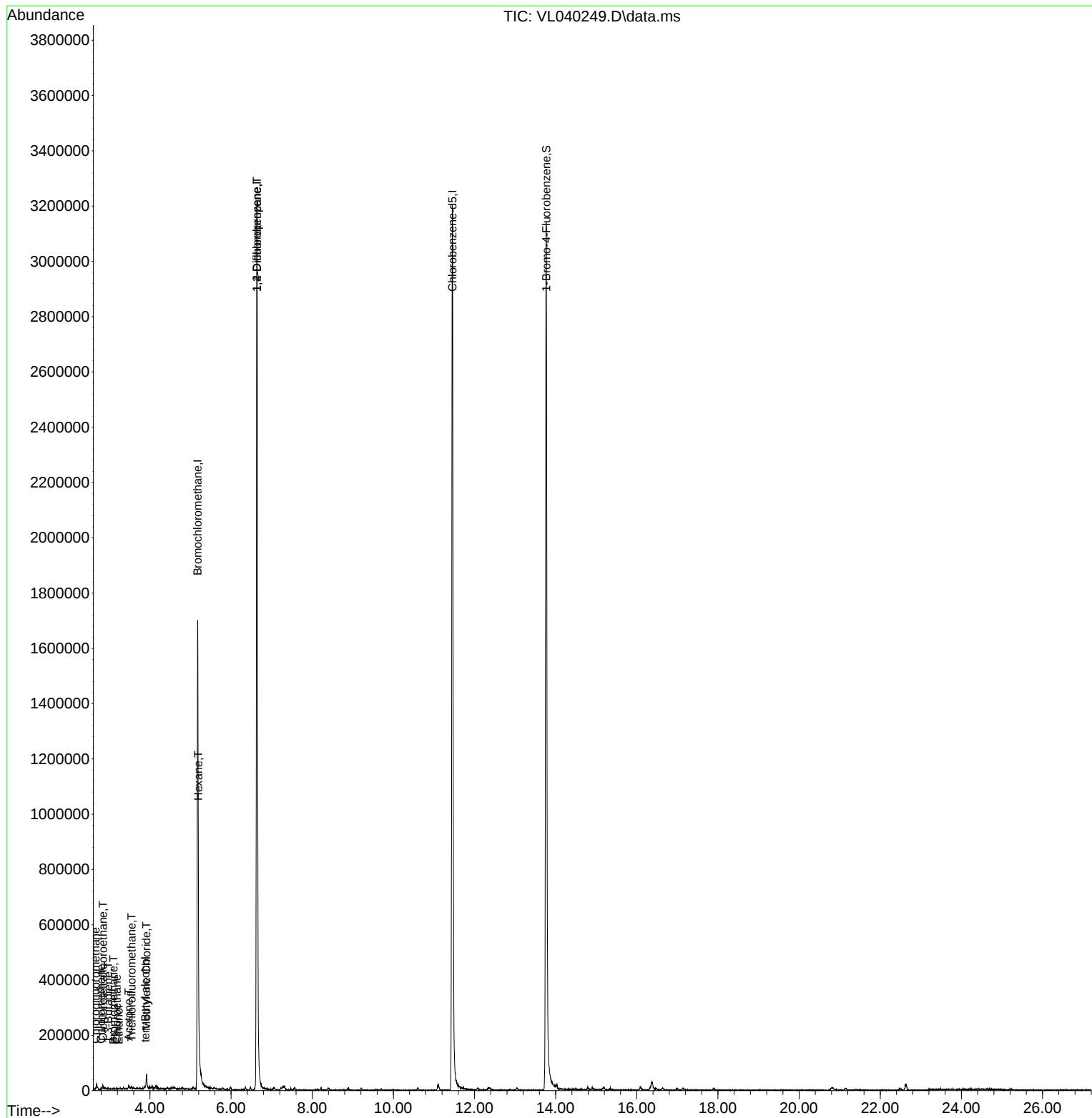
Internal Standards						
1) Bromochloromethane	5.176	49	900818	10.000	ppbv	-0.03
33) 1,4-Difluorobenzene	6.639	114	2423521	10.000	ppbv	-0.03
55) Chlorobenzene-d5	11.452	117	2035344	10.000	ppbv	-0.04
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	1605677	9.594	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.900%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	2.661	51	4419	0.041	ppbv	94
4) Chloromethane	2.796	50	3229	0.048	ppbv #	77
6) Bromomethane	3.102	94	635	0.032	ppbv #	45
7) Chloroethane	3.182	64	1121	0.052	ppbv #	81
8) Dichlorotetrafluoroethane	2.838	85	5561	0.038	ppbv	91
11) Trichlorofluoromethane	3.545	101	6098	0.040	ppbv #	78
13) Ethanol	3.230	45	210	0.052	ppbv #	41
15) Acetone	3.475	43	4776	0.044	ppbv #	47
16) 1,3-Butadiene	2.970	39	2210	0.045	ppbv	93
17) tert-Butyl alcohol	3.890	59	3121	0.032	ppbv #	76
20) Methylene Chloride	3.915	84	15181	0.269	ppbv #	81
26) Hexane	5.192	57	8551	0.099	ppbv #	56
39) 1,2-Dichloropropane	6.635	63	609211	8.303	ppbv #	25

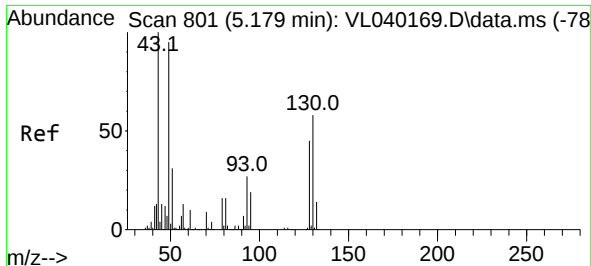
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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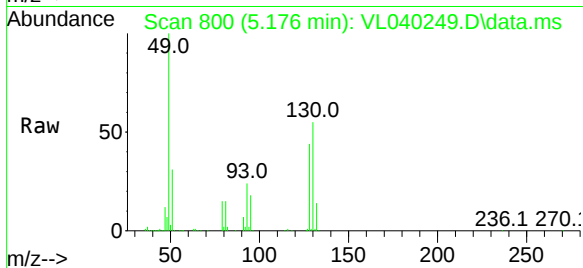
Quant Time: Mar 09 04:10:40 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
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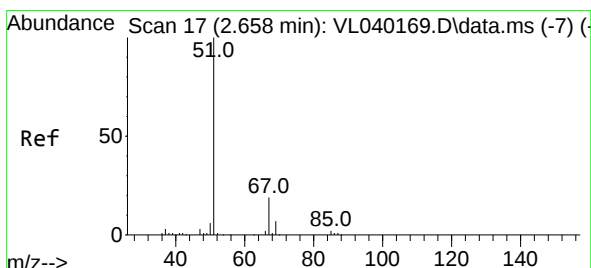
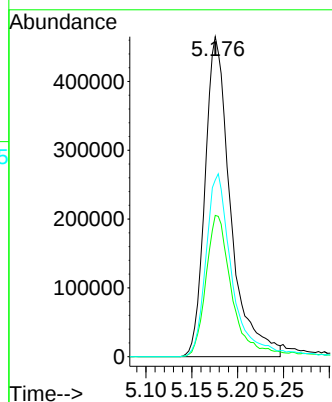
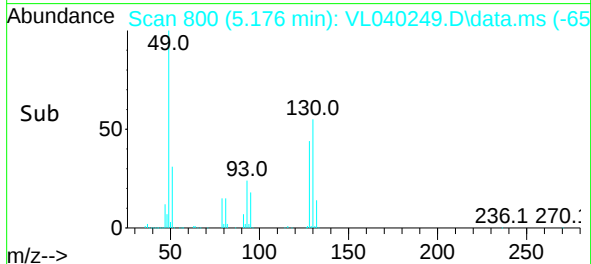


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.176 min Scan# 80
Delta R.T. -0.025 min
Lab File: VL040249.D
Acq: 8 Mar 2023 11:39

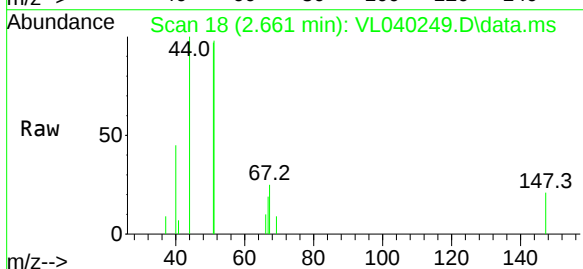
Instrument :
MSVOA_1
ClientSampleId :
QC030623 CAN 10271



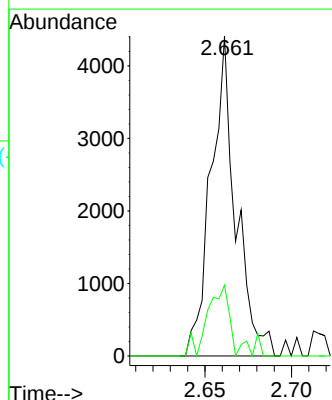
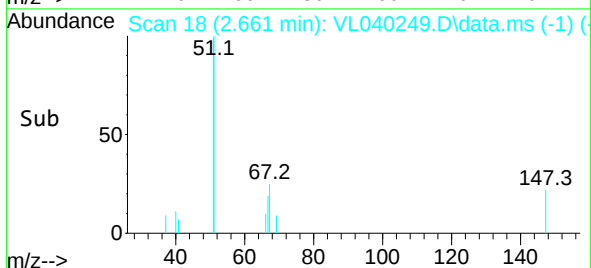
Tgt Ion: 49 Resp: 900818
Ion Ratio Lower Upper
49 100
128 46.2 24.1 72.3
130 59.1 30.9 92.8

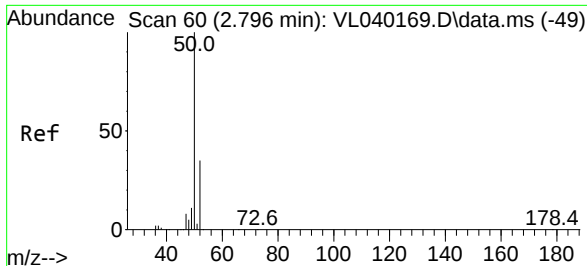


#3
Chlorodifluoromethane
Concen: 0.041 ppbv
RT: 2.661 min Scan# 18
Delta R.T. -0.010 min
Lab File: VL040249.D
Acq: 8 Mar 2023 11:39



Tgt Ion: 51 Resp: 4419
Ion Ratio Lower Upper
51 100
67 21.9 15.4 23.2

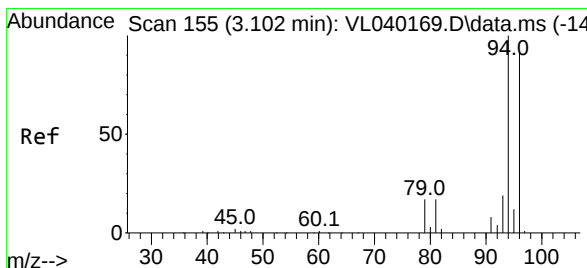
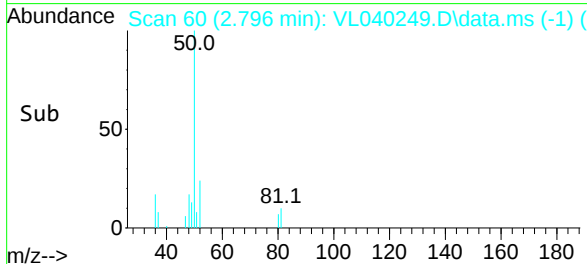
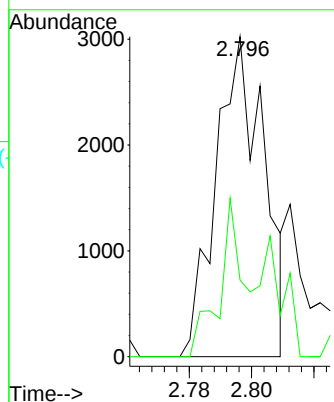
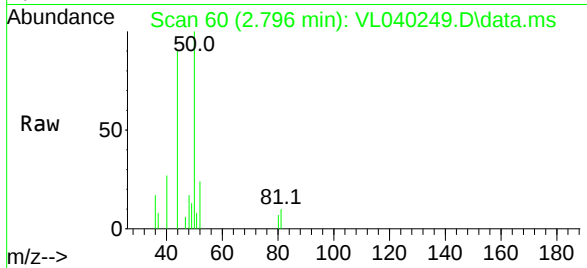




#4
Chloromethane
Concen: 0.048 ppbv
RT: 2.796 min Scan# 60
Delta R.T. -0.016 min
Lab File: VL040249.D
Acq: 8 Mar 2023 11:39

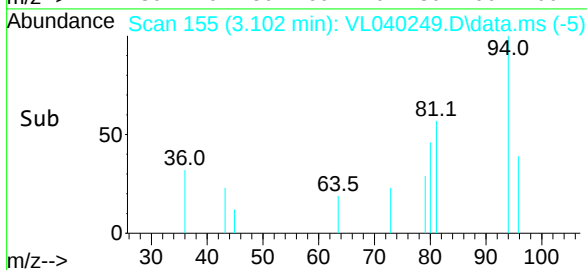
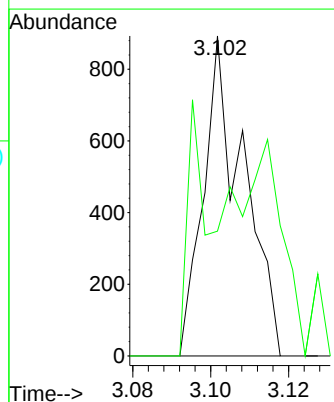
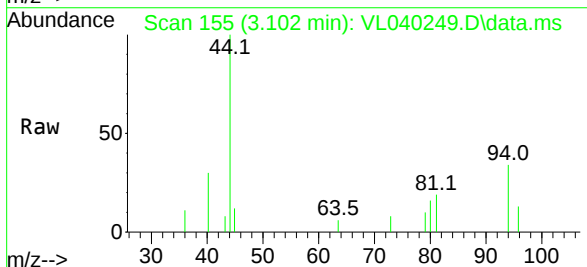
Instrument :
MSVOA_L
ClientSampleId :
QC030623 CAN 10271

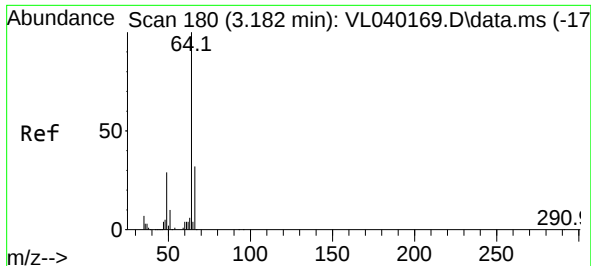
Tgt Ion: 50 Resp: 3229
Ion Ratio Lower Upper
50 100
52 22.1 28.3 42.5#



#6
Bromomethane
Concen: 0.032 ppbv
RT: 3.102 min Scan# 155
Delta R.T. -0.016 min
Lab File: VL040249.D
Acq: 8 Mar 2023 11:39

Tgt Ion: 94 Resp: 635
Ion Ratio Lower Upper
94 100
96 39.0 73.4 110.2#

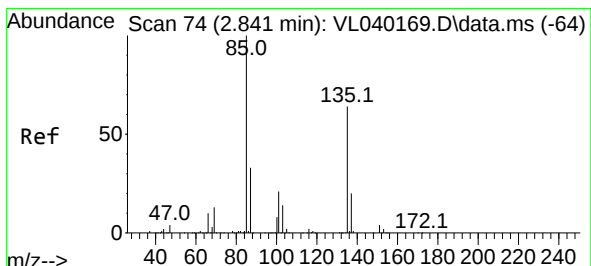
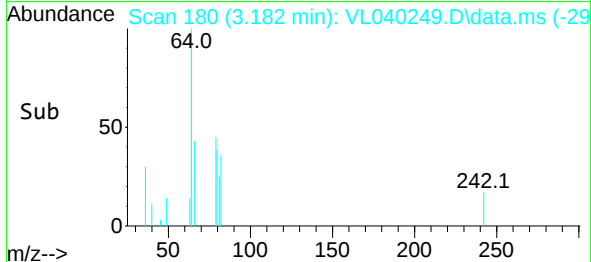
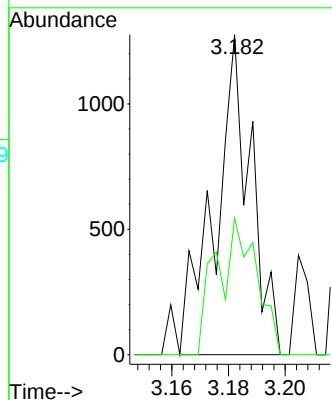
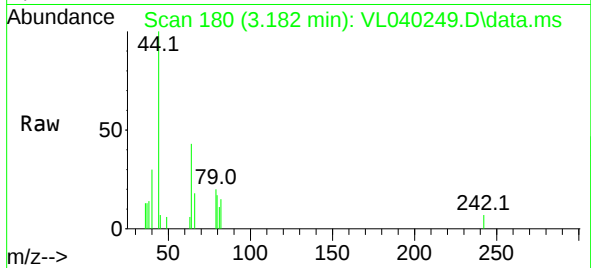




#7
Chloroethane
Concen: 0.052 ppbv
RT: 3.182 min Scan# 11
Delta R.T. -0.016 min
Lab File: VL040249.D
Acq: 8 Mar 2023 11:39

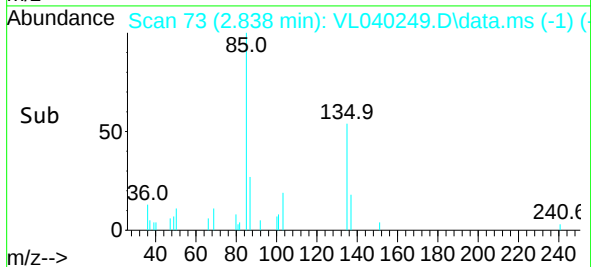
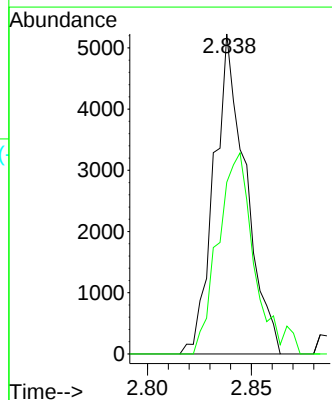
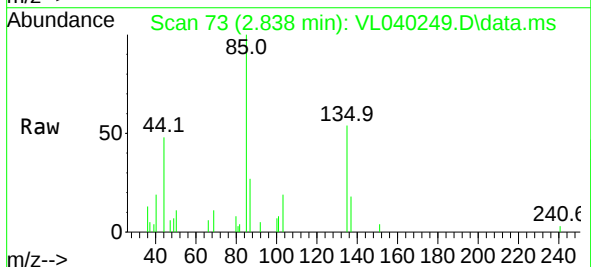
Instrument :
MSVOA_L
ClientSampleId :
QC030623 CAN 10271

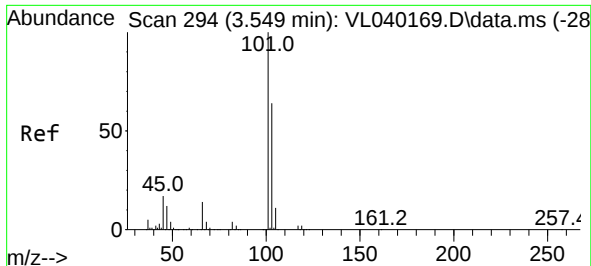
Tgt Ion: 64 Resp: 1121
Ion Ratio Lower Upper
64 100
66 42.6 25.4 38.2#



#8
Dichlorotetrafluoroethane
Concen: 0.038 ppbv
RT: 2.838 min Scan# 73
Delta R.T. -0.016 min
Lab File: VL040249.D
Acq: 8 Mar 2023 11:39

Tgt Ion: 85 Resp: 5561
Ion Ratio Lower Upper
85 100
135 71.7 51.5 77.3

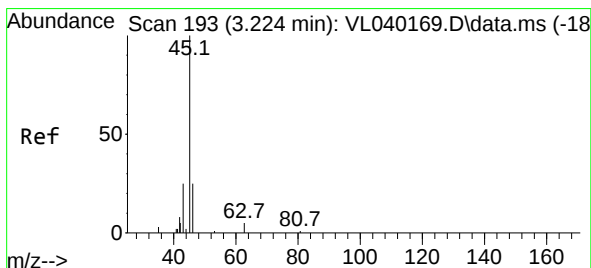
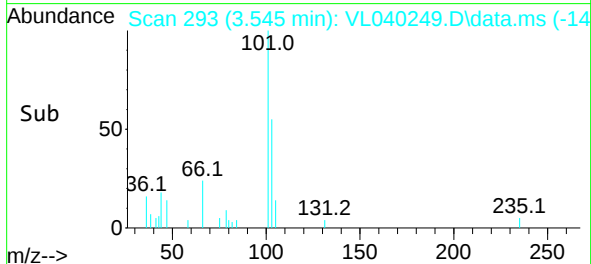
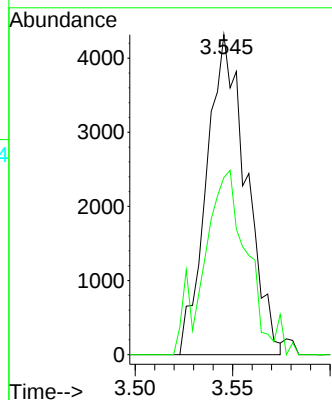
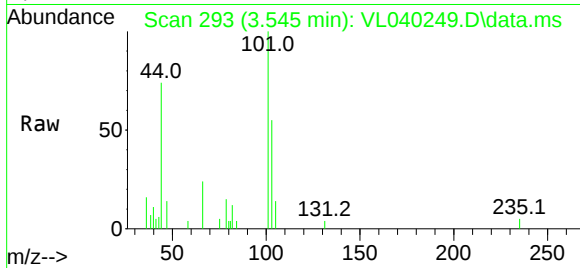




#11
 Trichlorofluoromethane
 Concen: 0.040 ppbv
 RT: 3.545 min Scan# 294
 Delta R.T. -0.019 min
 Lab File: VL040249.D
 Acq: 8 Mar 2023 11:39

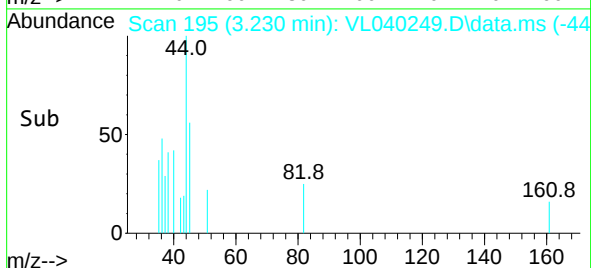
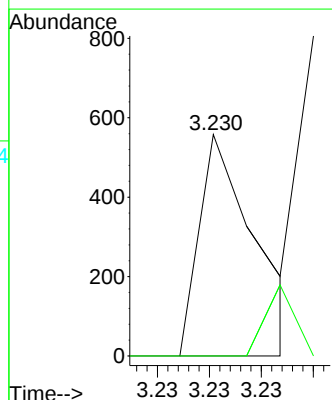
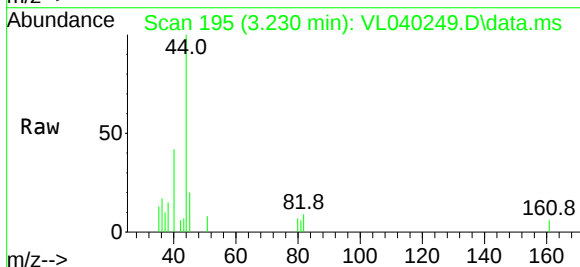
Instrument :
 MSVOA_L
 ClientSampleId :
 QC030623 CAN 10271

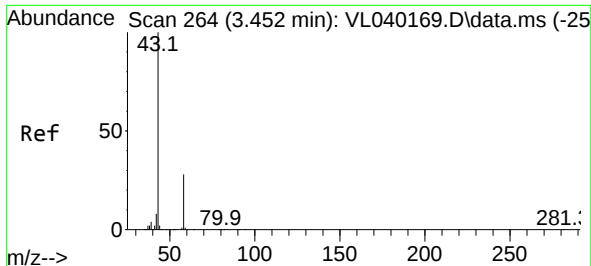
Tgt Ion:101 Resp: 6098
 Ion Ratio Lower Upper
 101 100
 103 46.7 51.0 76.6#



#13
 Ethanol
 Concen: 0.052 ppbv
 RT: 3.230 min Scan# 195
 Delta R.T. -0.016 min
 Lab File: VL040249.D
 Acq: 8 Mar 2023 11:39

Tgt Ion: 45 Resp: 210
 Ion Ratio Lower Upper
 45 100
 46 0.0 13.3 53.1#





#15

Acetone

Concen: 0.044 ppbv

RT: 3.475 min Scan# 21

Delta R.T. 0.006 min

Lab File: VL040249.D

Acq: 8 Mar 2023 11:39

Instrument :

MSVOA_L

ClientSampleId :

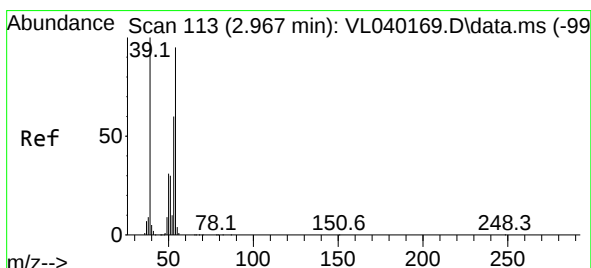
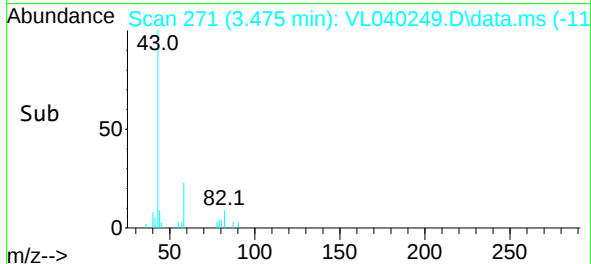
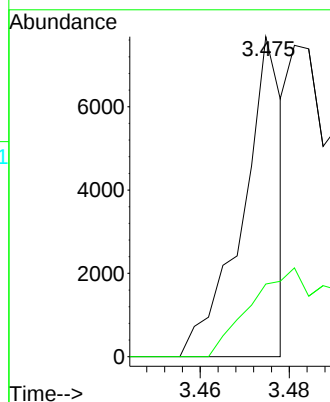
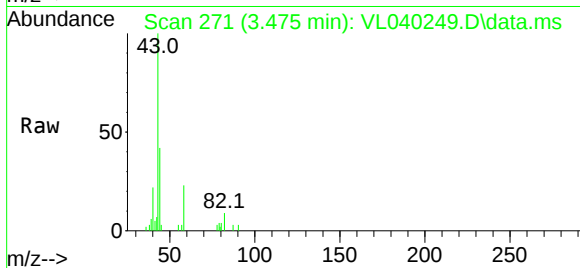
QC030623 CAN 10271

Tgt Ion: 43 Resp: 4776

Ion Ratio Lower Upper

43 100

58 0.0 22.4 33.6#



#16

1,3-Butadiene

Concen: 0.045 ppbv

RT: 2.970 min Scan# 114

Delta R.T. -0.013 min

Lab File: VL040249.D

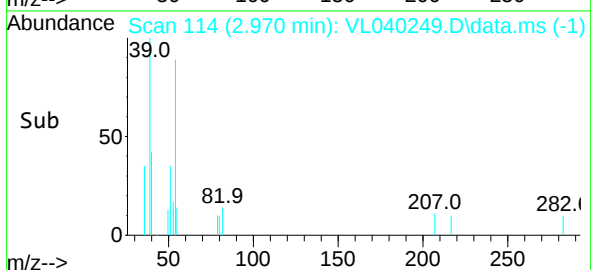
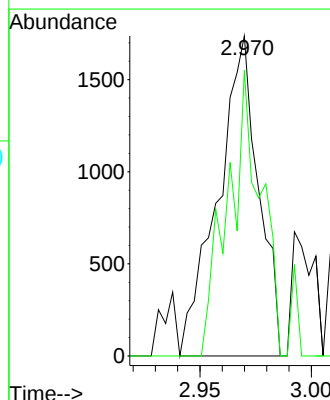
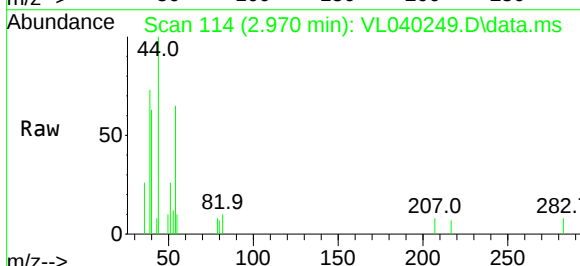
Acq: 8 Mar 2023 11:39

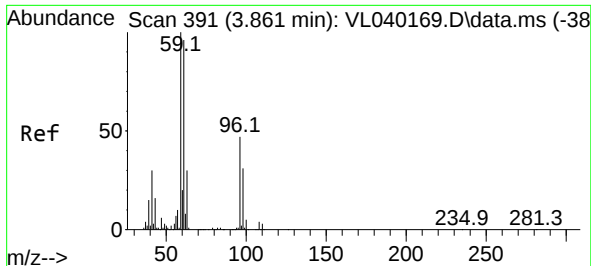
Tgt Ion: 39 Resp: 2210

Ion Ratio Lower Upper

39 100

54 76.9 66.7 100.1





#17

tert-Butyl alcohol

Concen: 0.032 ppbv

RT: 3.890 min Scan# 40

Delta R.T. 0.010 min

Lab File: VL040249.D

Acq: 8 Mar 2023 11:39

Instrument :

MSVOA_L

ClientSampleId :

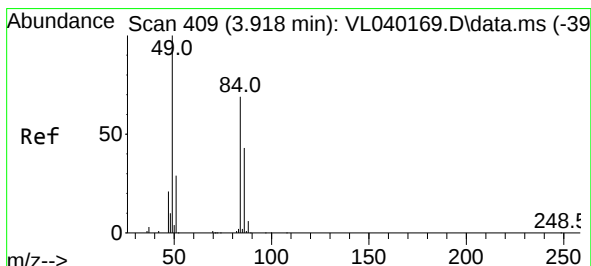
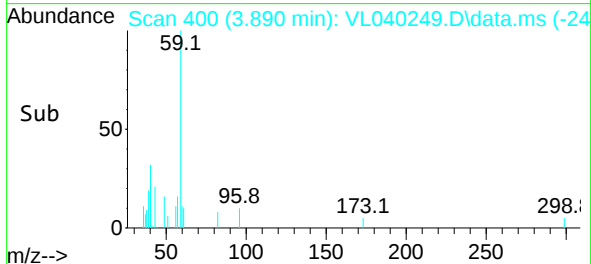
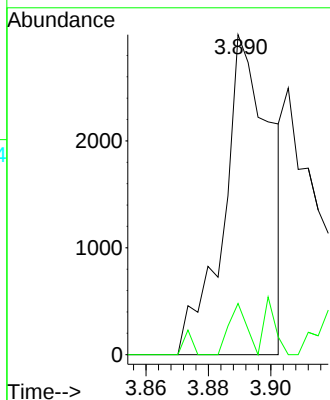
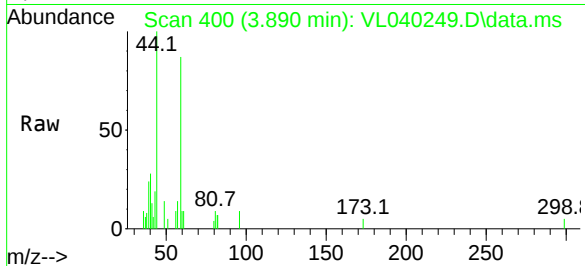
QC030623 CAN 10271

Tgt Ion: 59 Resp: 3121

Ion Ratio Lower Upper

59 100

57 1.4 8.5 12.7#



#20

Methylene Chloride

Concen: 0.269 ppbv

RT: 3.915 min Scan# 408

Delta R.T. -0.019 min

Lab File: VL040249.D

Acq: 8 Mar 2023 11:39

Tgt Ion: 84 Resp: 15181

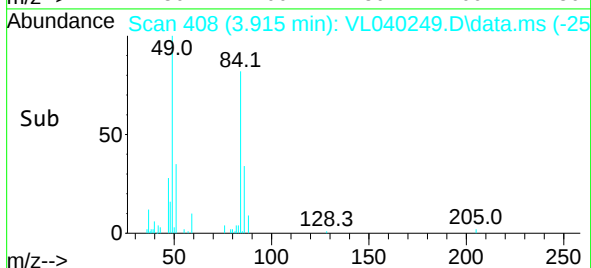
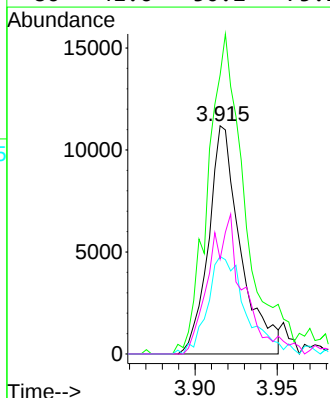
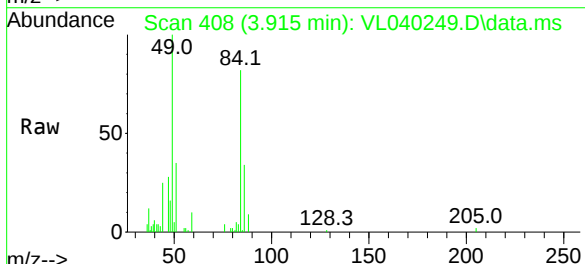
Ion Ratio Lower Upper

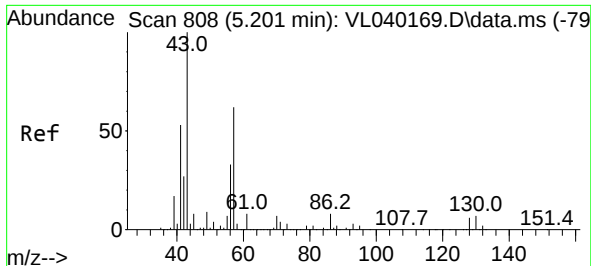
84 100

49 118.0 115.5 173.3

51 41.0 33.1 49.7

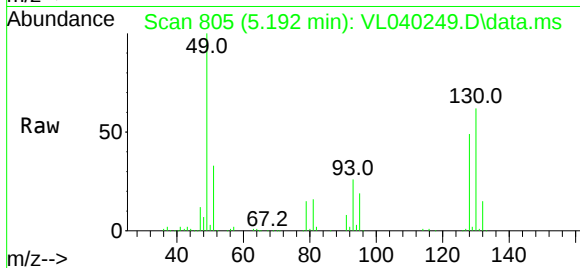
86 41.6 50.2 75.2#





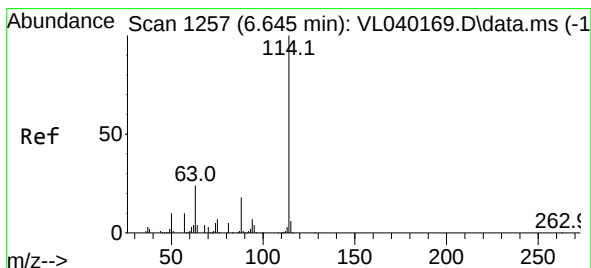
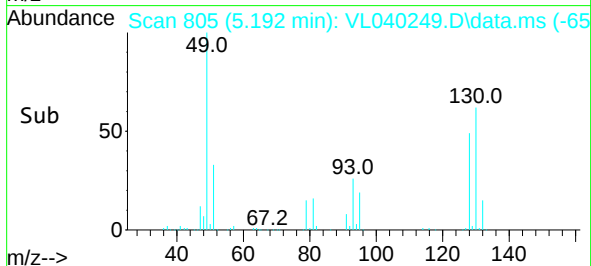
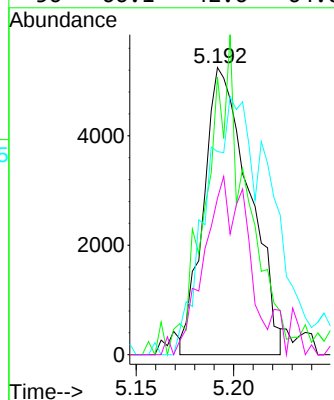
#26
Hexane
Concen: 0.099 ppbv
RT: 5.192 min Scan# 805
Delta R.T. -0.032 min
Lab File: VL040249.D
Acq: 8 Mar 2023 11:39

Instrument :
MSVOA_L
ClientSampleId :
QC030623 CAN 10271



Tgt Ion: 57 Resp: 8551

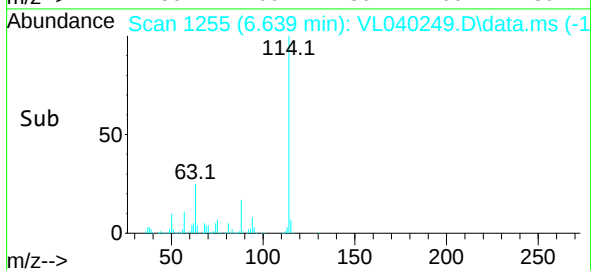
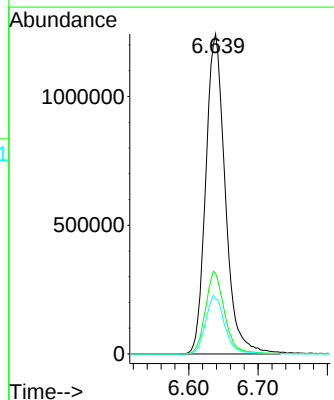
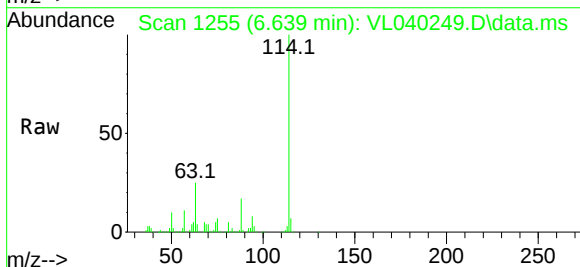
Ion	Ratio	Lower	Upper
57	100		
41	105.4	74.3	111.5
43	136.9	193.0	289.4#
56	66.1	42.6	64.0#

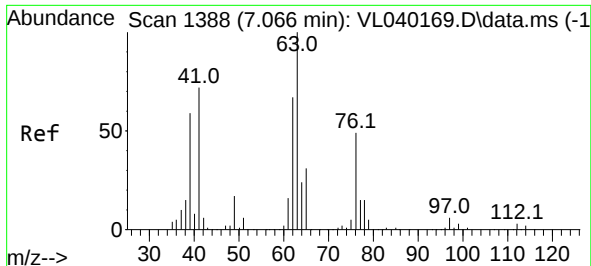


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.639 min Scan# 1255
Delta R.T. -0.026 min
Lab File: VL040249.D
Acq: 8 Mar 2023 11:39

Tgt Ion: 114 Resp: 2423521

Ion	Ratio	Lower	Upper
114	100		
63	25.4	20.4	30.6
88	17.9	14.3	21.5





#39

1,2-Dichloropropane

Concen: 8.303 ppbv

RT: 6.635 min Scan# 11

Delta R.T. -0.450 min

Lab File: VL040249.D

Acq: 8 Mar 2023 11:39

Instrument :

MSVOA_L

ClientSampleId :

QC030623 CAN 10271

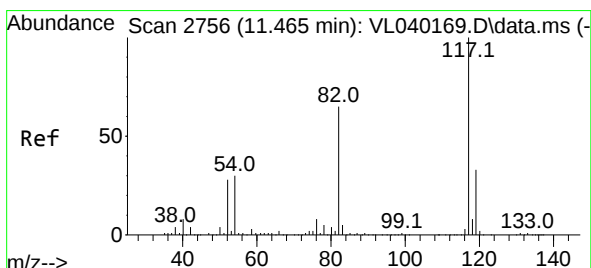
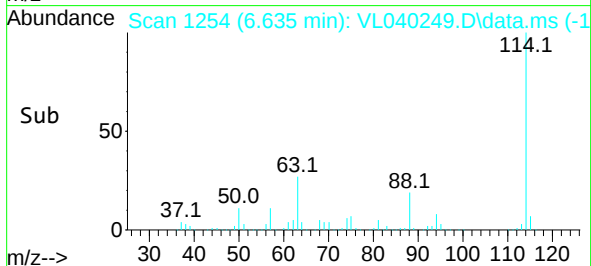
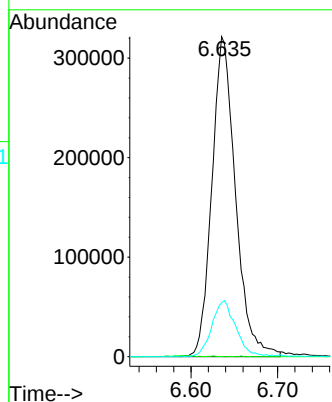
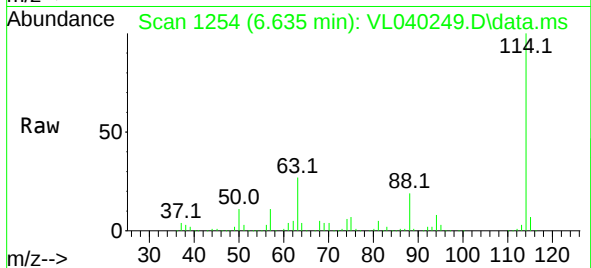
Tgt Ion: 63 Resp: 609211

Ion Ratio Lower Upper

63 100

41 0.1 57.6 86.4#

62 16.9 54.0 81.0#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.452 min Scan# 2752

Delta R.T. -0.035 min

Lab File: VL040249.D

Acq: 8 Mar 2023 11:39

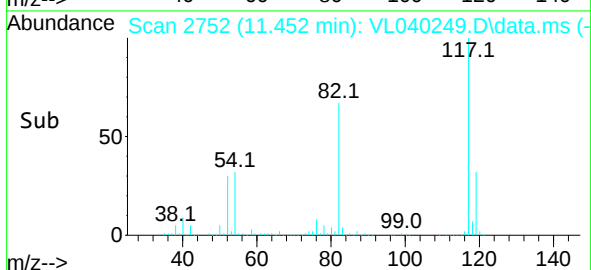
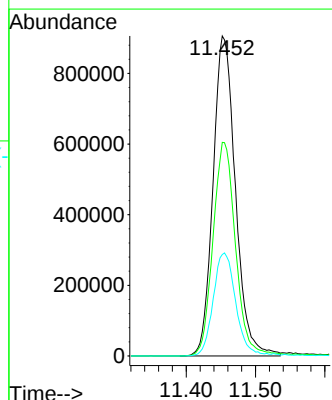
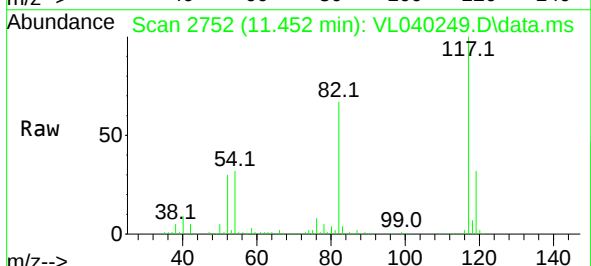
Tgt Ion: 117 Resp: 2035344

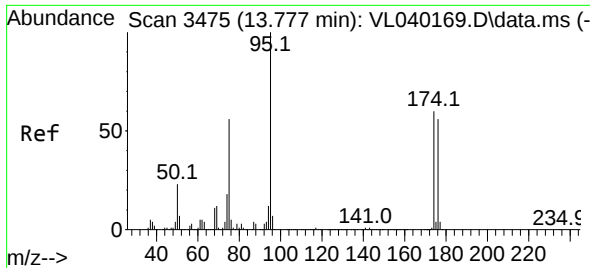
Ion Ratio Lower Upper

117 100

82 68.2 53.3 79.9

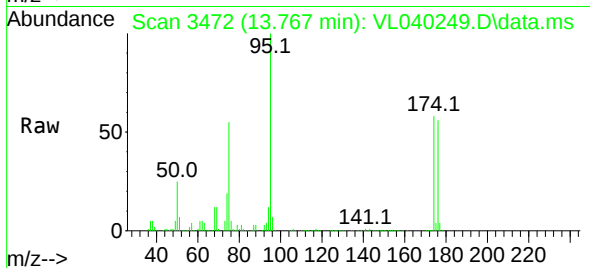
119 33.0 24.6 37.0





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.594 ppbv
 RT: 13.767 min Scan# 34
 Delta R.T. -0.029 min
 Lab File: VL040249.D
 Acq: 8 Mar 2023 11:39

Instrument :
 MSVOA_L
 ClientSampleId :
 QC030623 CAN 10271



Tgt Ion: 95 Resp: 1605677

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

