

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091823\
 Data File : VL040696.D
 Acq On : 18 Sep 2023 12:53
 Operator : SY/MD
 Sample : 04468-01DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 19 05:17:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Sep 19 05:12:43 2023
 Response via : Initial Calibration

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

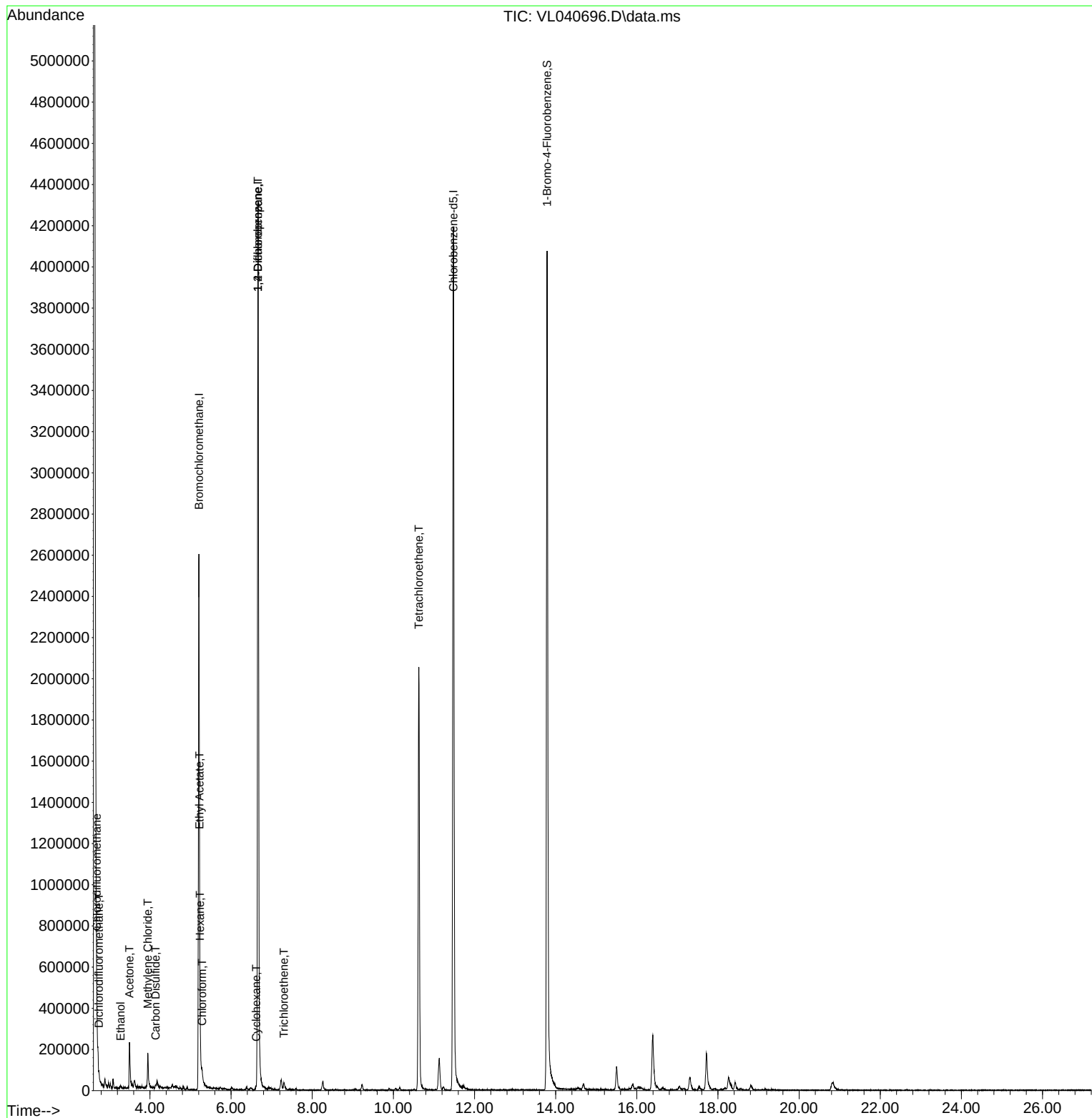
Internal Standards						
1) Bromochloromethane	5.208	49	1155050	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	3156487	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2635347	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.789	95	1958119	9.617	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.745	85	10365	0.041	ppbv #	82
3) Chlorodifluoromethane	2.687	51	11164	0.059	ppbv #	86
13) Ethanol	3.279	45	12494	0.779	ppbv	89
15) Acetone	3.497	43	236403	1.552	ppbv	95
20) Methylene Chloride	3.947	84	54411	0.664	ppbv	98
25) Ethyl Acetate	5.224	43	17112	0.070	ppbv #	75
26) Hexane	5.234	57	14990	0.129	ppbv #	19
27) Carbon Disulfide	4.140	76	14327	0.088	ppbv #	1
29) Chloroform	5.288	83	9182	0.046	ppbv	97
30) Cyclohexane	6.619	84	3451	0.039	ppbv #	1
38) Trichloroethene	7.301	130	4463	0.050	ppbv #	21
39) 1,2-Dichloropropane	6.661	63	798179	8.872	ppbv #	23
52) Tetrachloroethene	10.626	164	461825	6.057	ppbv	96

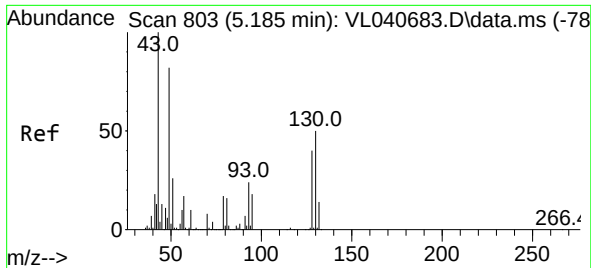
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 400mL/MSVOA_L
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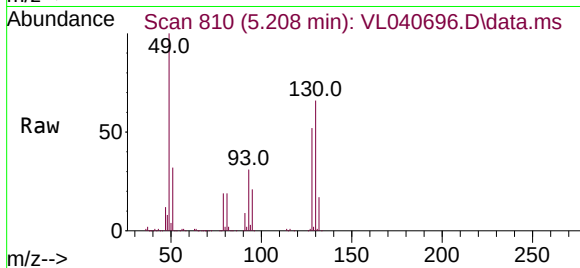
Quant Time: Sep 19 05:17:36 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue Sep 19 05:12:43 2023
Response via : Initial Calibration



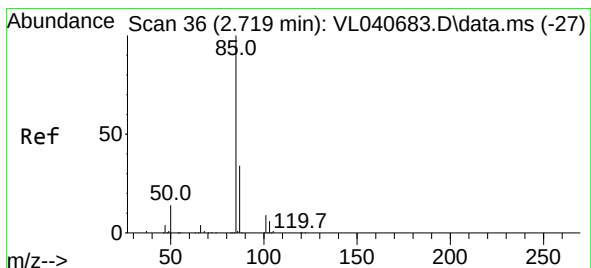
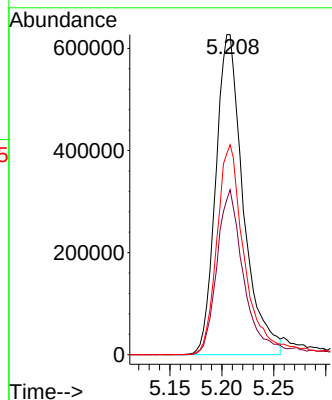
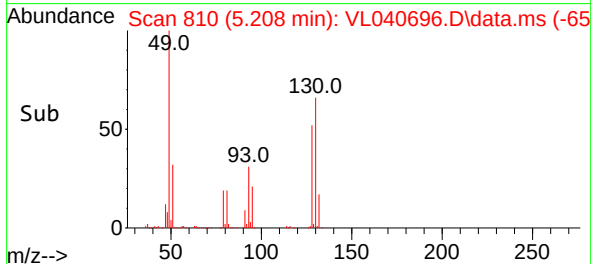


#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.208 min Scan# 81
 Delta R.T. 0.010 min
 Lab File: VL040696.D
 Acq: 18 Sep 2023 12:53

Instrument :
 MSVOA_L
 ClientSampleId :

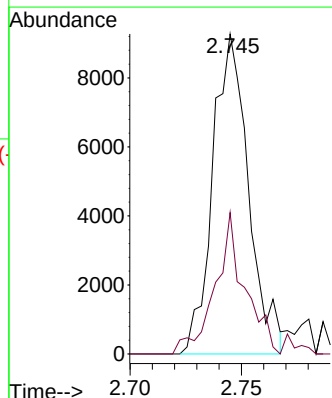
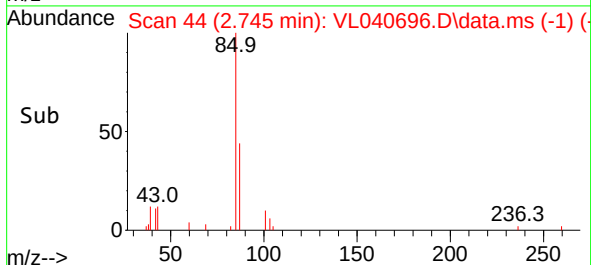
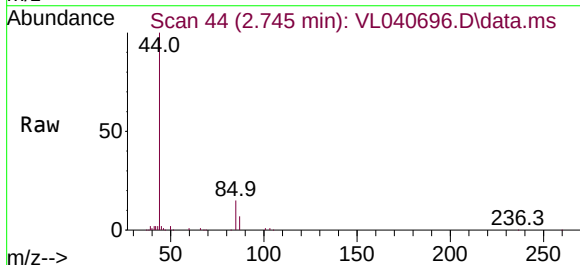


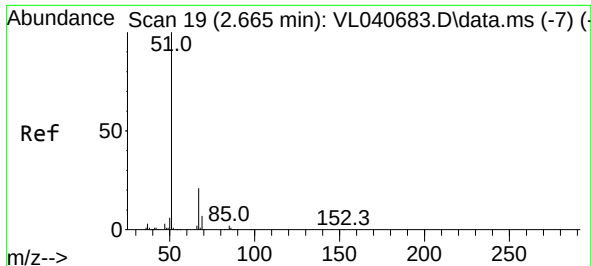
Tgt Ion: 49 Resp: 1155050
 Ion Ratio Lower Upper
 49 100
 128 53.3 25.4 76.0
 130 69.5 32.3 96.8



#2
 Dichlorodifluoromethane
 Concen: 0.041 ppbv
 RT: 2.745 min Scan# 44
 Delta R.T. 0.013 min
 Lab File: VL040696.D
 Acq: 18 Sep 2023 12:53

Tgt Ion: 85 Resp: 10365
 Ion Ratio Lower Upper
 85 100
 87 44.2 27.2 40.8#

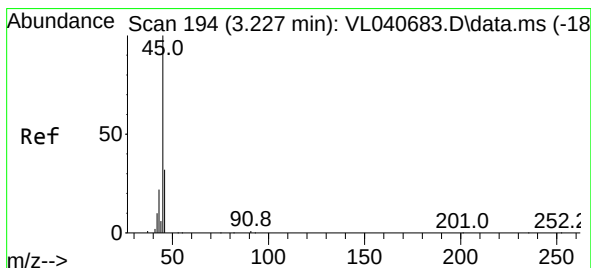
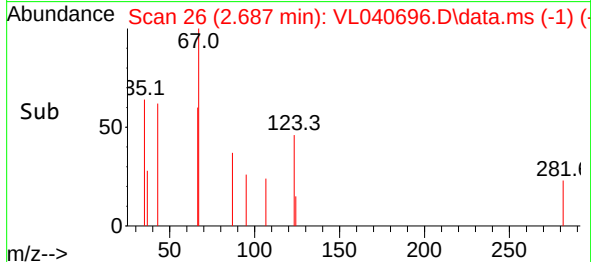
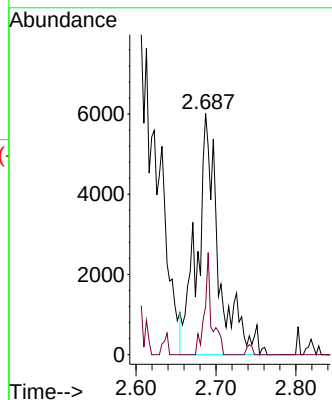
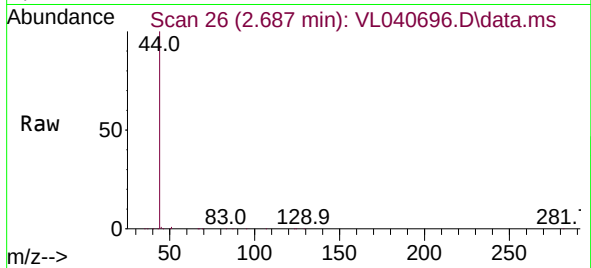




#3
Chlorodifluoromethane
Concen: 0.059 ppbv
RT: 2.687 min Scan# 210
Delta R.T. 0.010 min
Lab File: VL040696.D
Acq: 18 Sep 2023 12:53

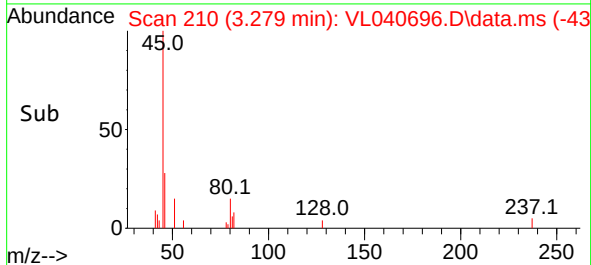
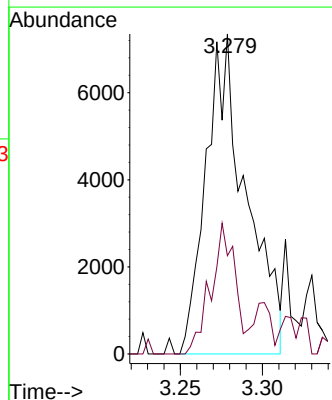
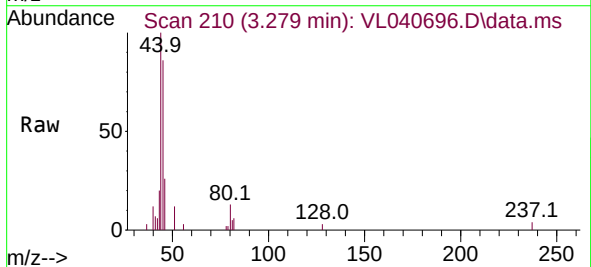
Instrument :
MSVOA_L
ClientSampleId :

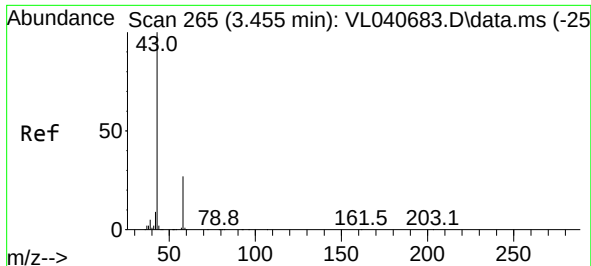
Tgt Ion: 51 Resp: 11164
Ion Ratio Lower Upper
51 100
67 14.4 16.7 25.1#



#13
Ethanol
Concen: 0.779 ppbv
RT: 3.279 min Scan# 210
Delta R.T. 0.035 min
Lab File: VL040696.D
Acq: 18 Sep 2023 12:53

Tgt Ion: 45 Resp: 12494
Ion Ratio Lower Upper
45 100
46 31.4 15.2 61.0





#15

Acetone

Concen: 1.552 ppbv

RT: 3.497 min Scan# 21

Delta R.T. 0.026 min

Lab File: VL040696.D

Acq: 18 Sep 2023 12:53

Instrument :

MSVOA_L

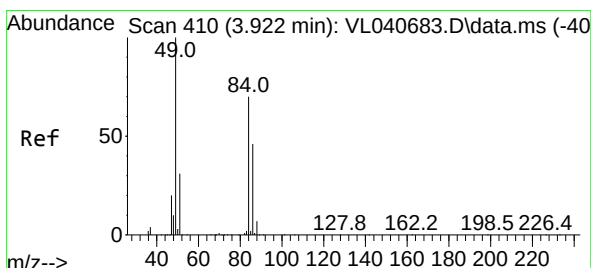
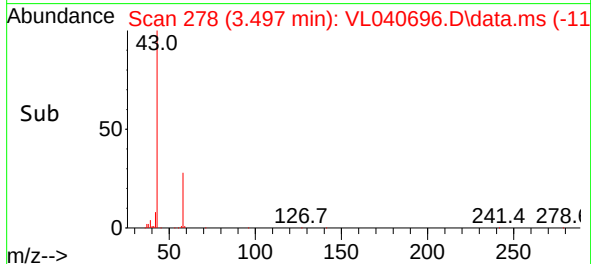
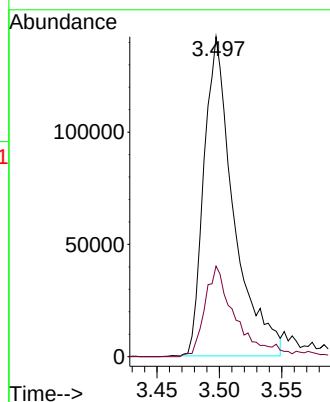
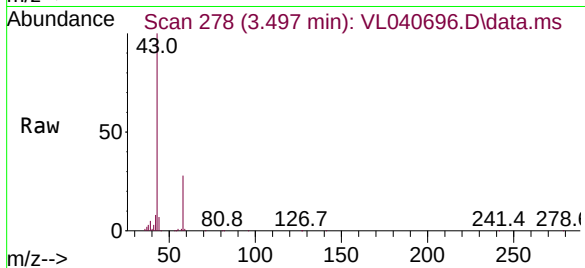
ClientSampleId :

Tgt Ion: 43 Resp: 236403

Ion Ratio Lower Upper

43 100

58 30.8 22.6 34.0



#20

Methylene Chloride

Concen: 0.664 ppbv

RT: 3.947 min Scan# 418

Delta R.T. 0.010 min

Lab File: VL040696.D

Acq: 18 Sep 2023 12:53

Tgt Ion: 84 Resp: 54411

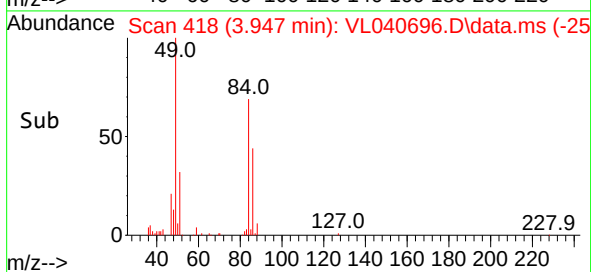
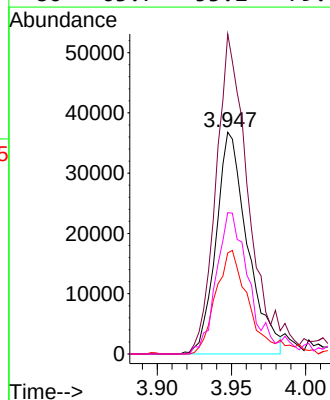
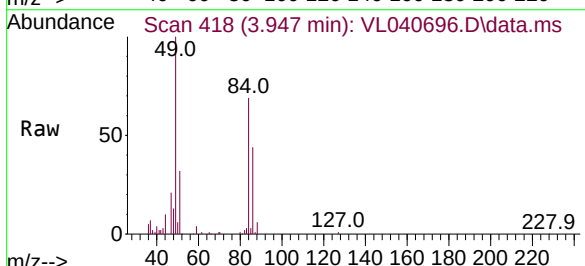
Ion Ratio Lower Upper

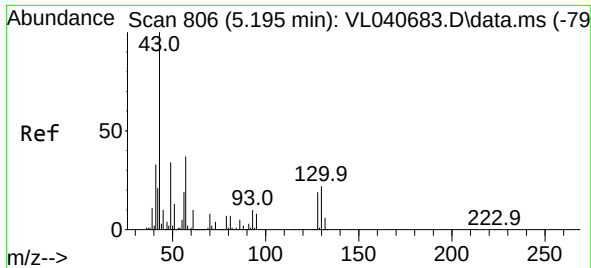
84 100

49 144.3 114.4 171.6

51 45.5 35.5 53.3

86 63.7 53.2 79.8

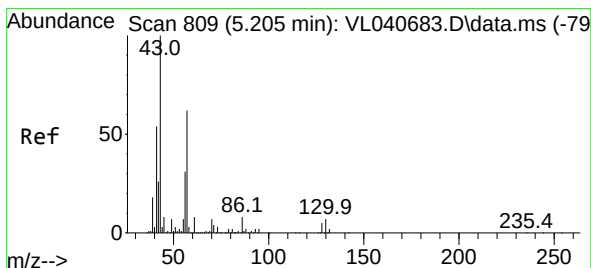
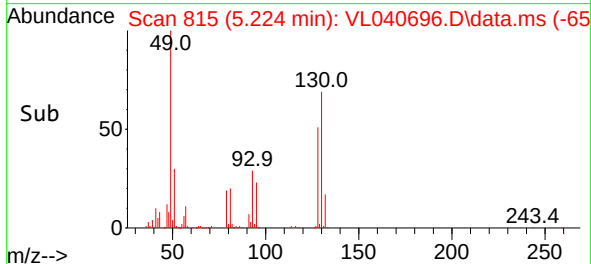
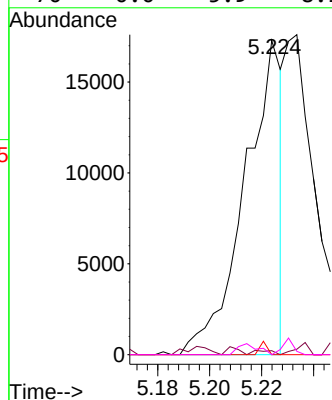
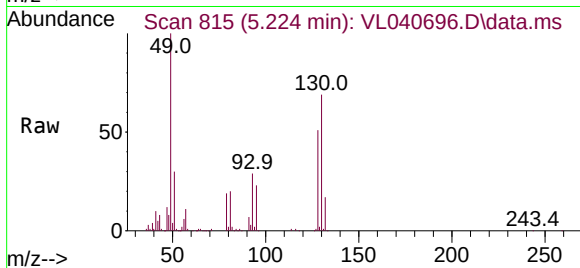




#25
Ethyl Acetate
Concen: 0.070 ppbv
RT: 5.224 min Scan# 815
Delta R.T. 0.013 min
Lab File: VL040696.D
Acq: 18 Sep 2023 12:53

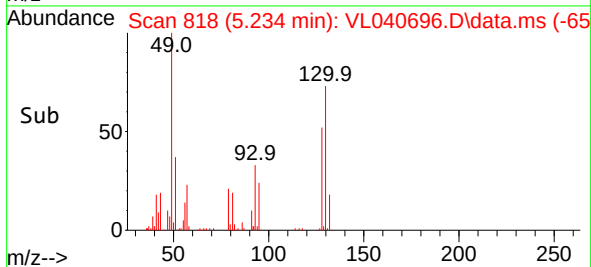
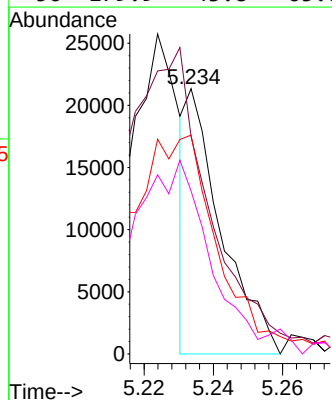
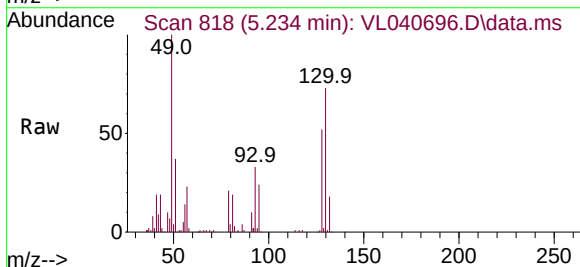
Instrument :
MSVOA_L
ClientSampleId :

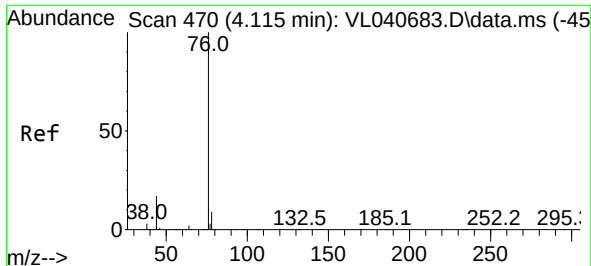
Tgt Ion: 43	Resp: 17112
Ion Ratio	Lower Upper
43 100	
45 0.0	8.2 12.4#
61 0.8	8.2 12.4#
70 0.0	5.9 8.9#



#26
Hexane
Concen: 0.129 ppbv
RT: 5.234 min Scan# 818
Delta R.T. 0.013 min
Lab File: VL040696.D
Acq: 18 Sep 2023 12:53

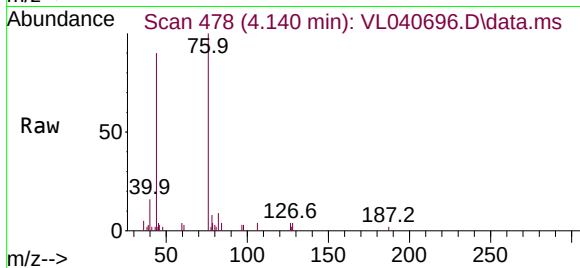
Tgt Ion: 57	Resp: 14990
Ion Ratio	Lower Upper
57 100	
41 305.5	75.2 112.8#
43 227.6	185.6 278.4
56 179.9	43.8 65.8#



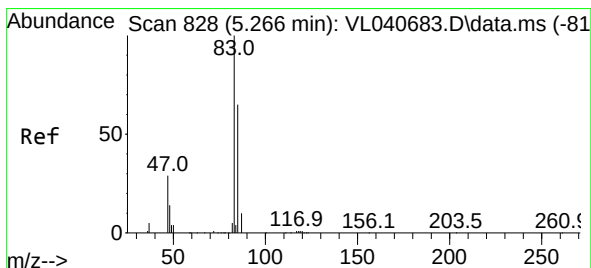
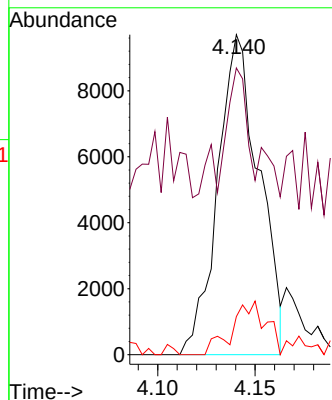
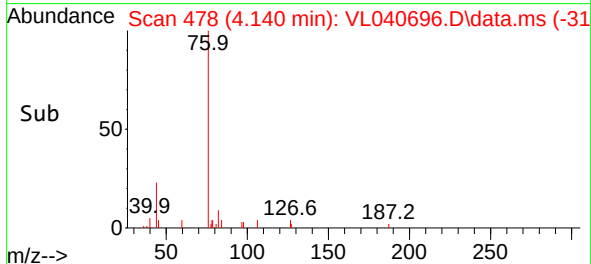


#27
Carbon Disulfide
Concen: 0.088 ppbv
RT: 4.140 min Scan# 41
Delta R.T. 0.010 min
Lab File: VL040696.D
Acq: 18 Sep 2023 12:53

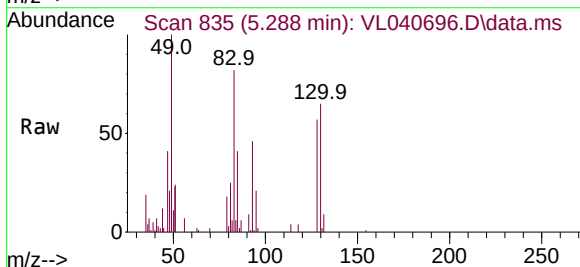
Instrument :
MSVOA_L
ClientSampleId :



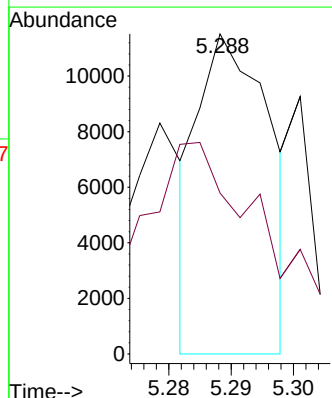
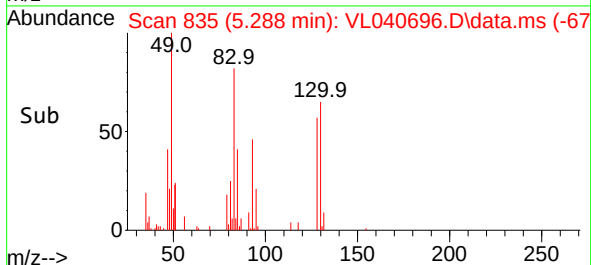
Tgt Ion: 76 Resp: 14327
Ion Ratio Lower Upper
76 100
44 101.1 14.5 21.7#
78 16.0 7.7 11.5#

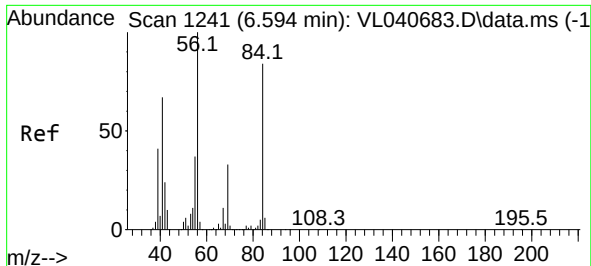


#29
Chloroform
Concen: 0.046 ppbv
RT: 5.288 min Scan# 835
Delta R.T. 0.006 min
Lab File: VL040696.D
Acq: 18 Sep 2023 12:53



Tgt Ion: 83 Resp: 9182
Ion Ratio Lower Upper
83 100
85 67.2 51.8 77.8

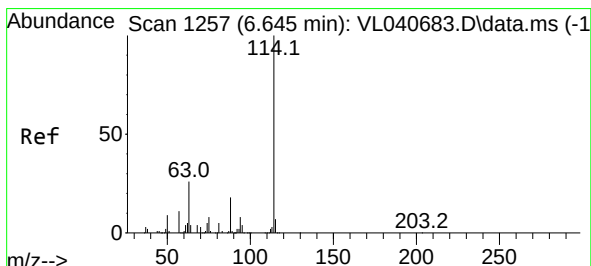
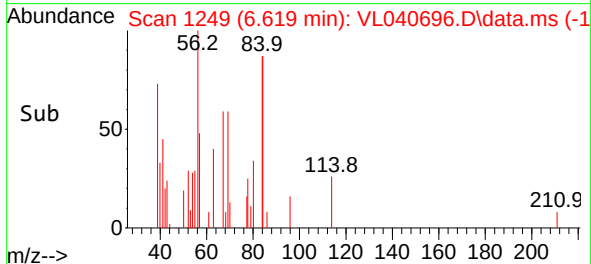
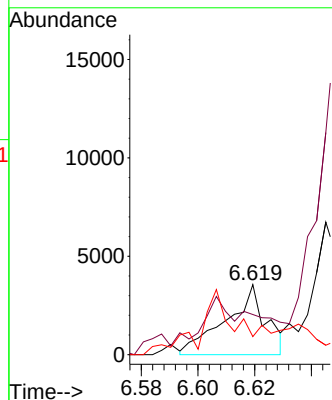
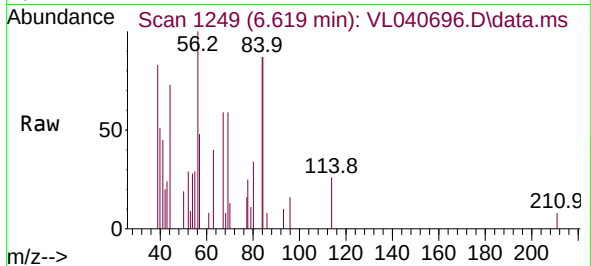




#30
Cyclohexane
Concen: 0.039 ppbv
RT: 6.619 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL040696.D
Acq: 18 Sep 2023 12:53

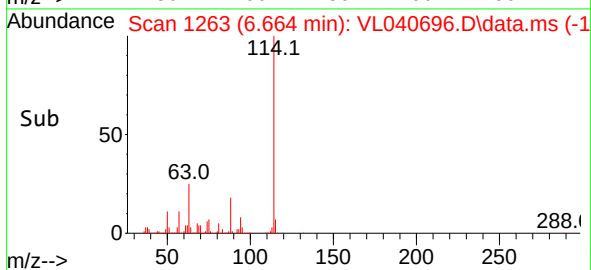
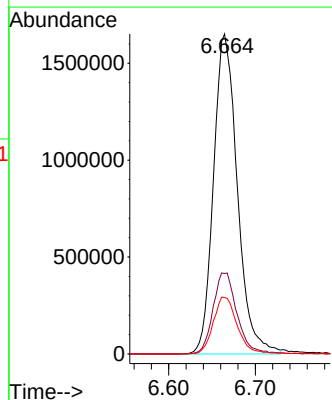
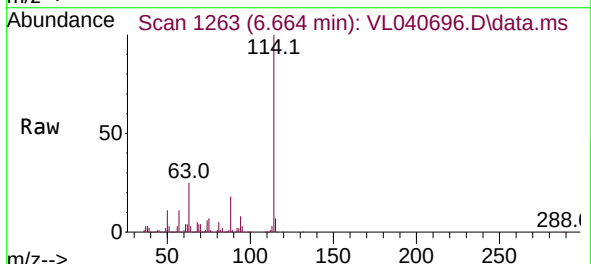
Instrument :
MSVOA_L
ClientSampleId :

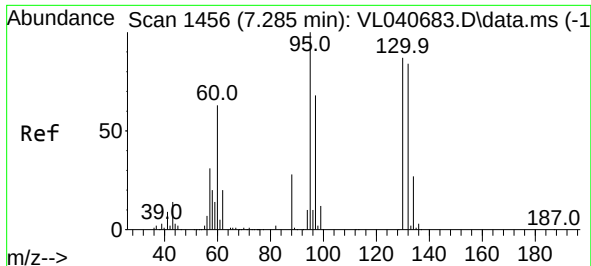
Tgt Ion: 84 Resp: 3451
Ion Ratio Lower Upper
84 100
56 0.0 103.2 154.8#
41 171.8 65.5 98.3#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.664 min Scan# 1263
Delta R.T. 0.003 min
Lab File: VL040696.D
Acq: 18 Sep 2023 12:53

Tgt Ion: 114 Resp: 3156487
Ion Ratio Lower Upper
114 100
63 25.8 21.1 31.7
88 18.1 14.5 21.7





#38

Trichloroethene

Concen: 0.050 ppbv

RT: 7.301 min Scan# 1456

Delta R.T. 0.000 min

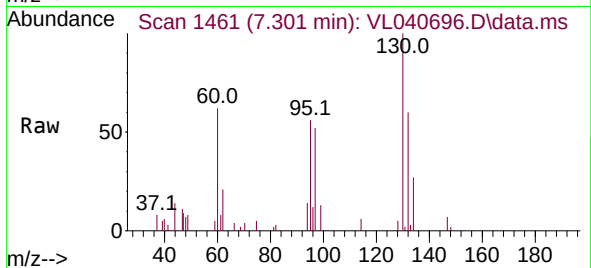
Lab File: VL040696.D

Acq: 18 Sep 2023 12:53

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:130 Resp: 4463

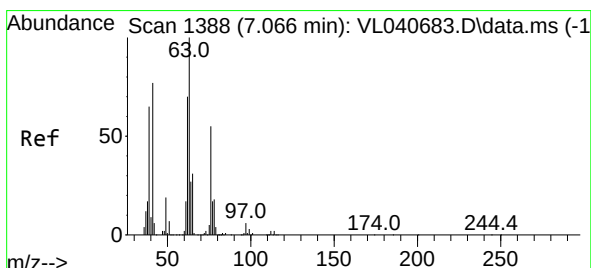
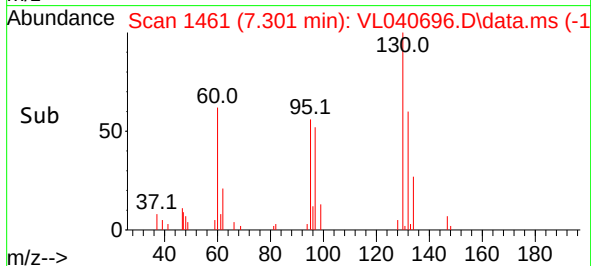
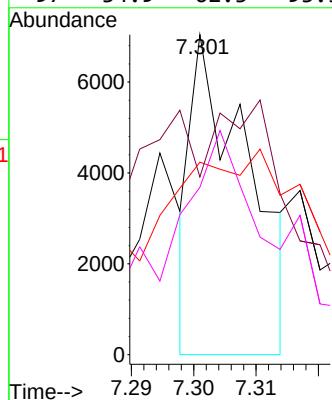
Ion Ratio Lower Upper

130 100

95 9.4 91.9 137.9#

132 18.6 77.3 115.9#

97 34.9 62.3 93.5#



#39

1,2-Dichloropropane

Concen: 8.872 ppbv

RT: 6.661 min Scan# 1262

Delta R.T. -0.421 min

Lab File: VL040696.D

Acq: 18 Sep 2023 12:53

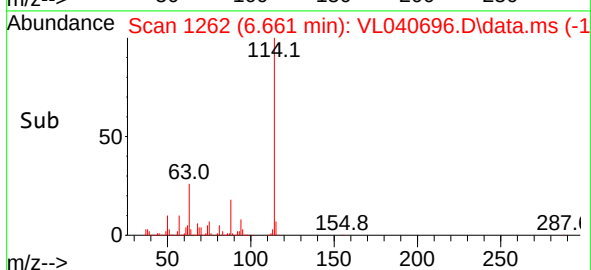
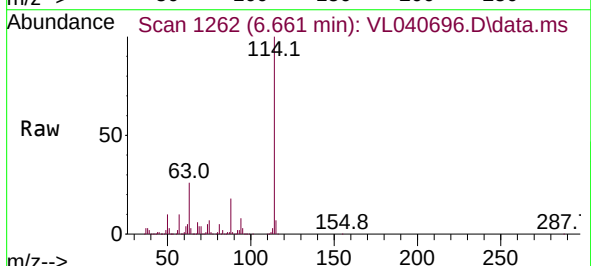
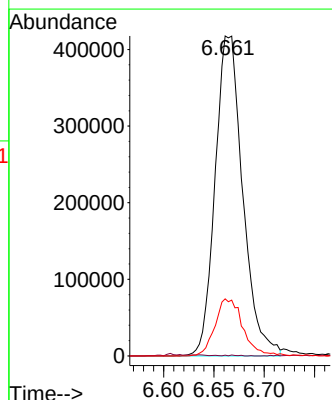
Tgt Ion: 63 Resp: 798179

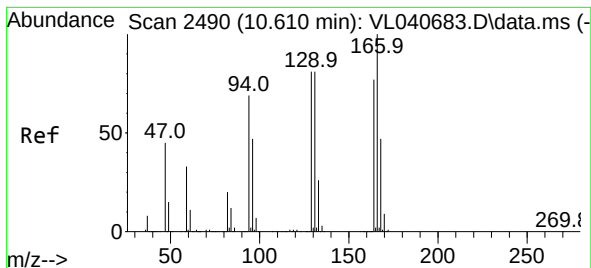
Ion Ratio Lower Upper

63 100

41 0.1 61.6 92.4#

62 17.8 55.8 83.8#





#52

Tetrachloroethene

Concen: 6.057 ppbv

RT: 10.626 min Scan# 2490

Delta R.T. 0.000 min

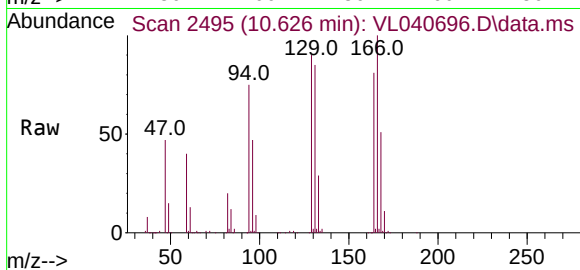
Lab File: VL040696.D

Acq: 18 Sep 2023 12:53

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:164 Resp: 461825

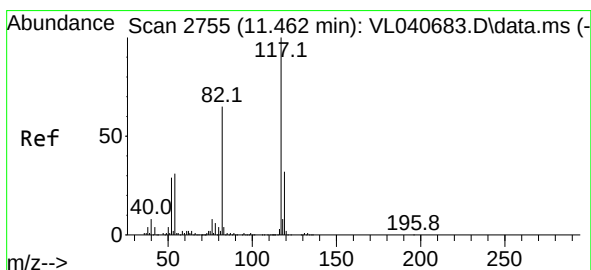
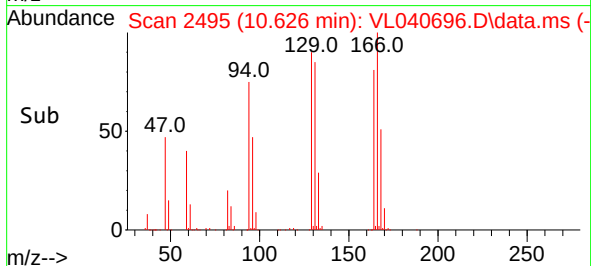
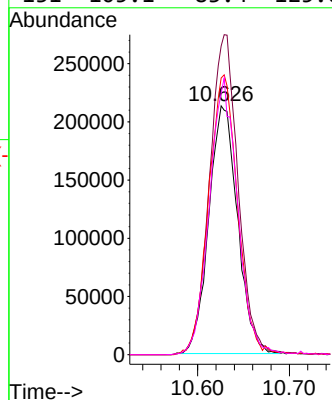
Ion Ratio Lower Upper

164 100

166 123.8 103.4 155.2

129 111.2 83.5 125.3

131 105.1 83.4 125.0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.478 min Scan# 2760

Delta R.T. 0.000 min

Lab File: VL040696.D

Acq: 18 Sep 2023 12:53

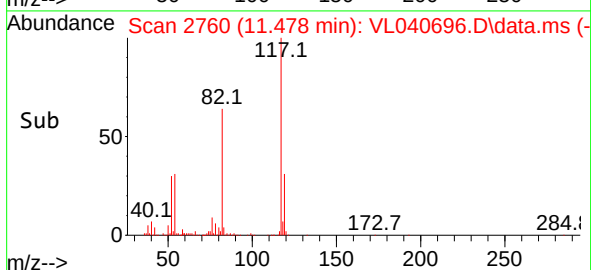
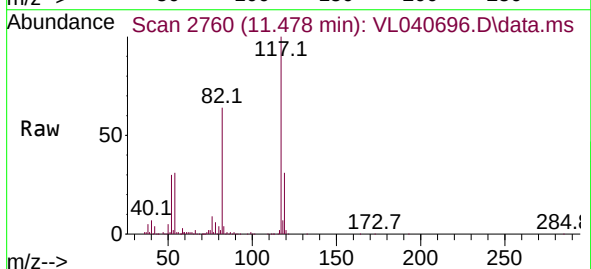
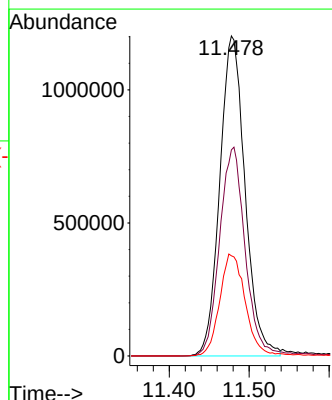
Tgt Ion:117 Resp: 2635347

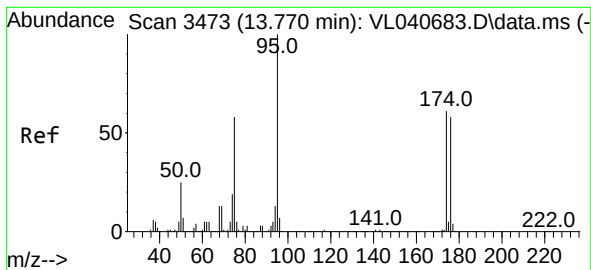
Ion Ratio Lower Upper

117 100

82 67.2 51.4 77.0

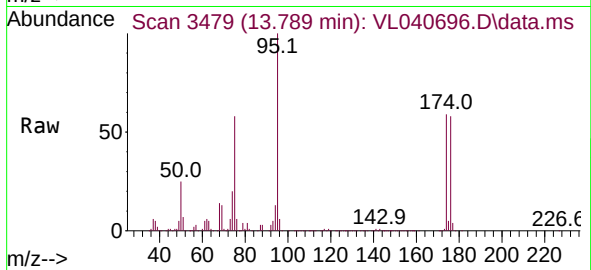
119 32.8 24.7 37.1





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.617 ppbv
 RT: 13.789 min Scan# 3479
 Delta R.T. 0.003 min
 Lab File: VL040696.D
 Acq: 18 Sep 2023 12:53

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion: 95 Resp: 1958119

Ion	Ratio	Lower	Upper
95	100		
174	62.5	48.9	73.3
175	4.4	3.5	5.3

