

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041023\
 Data File : VL040321.D
 Acq On : 10 Apr 2023 12:26
 Operator : SY/MD
 Sample : VIBLK
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Apr 11 02:06:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Mar 15 16:14:43 2023
 Response via : Initial Calibration

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

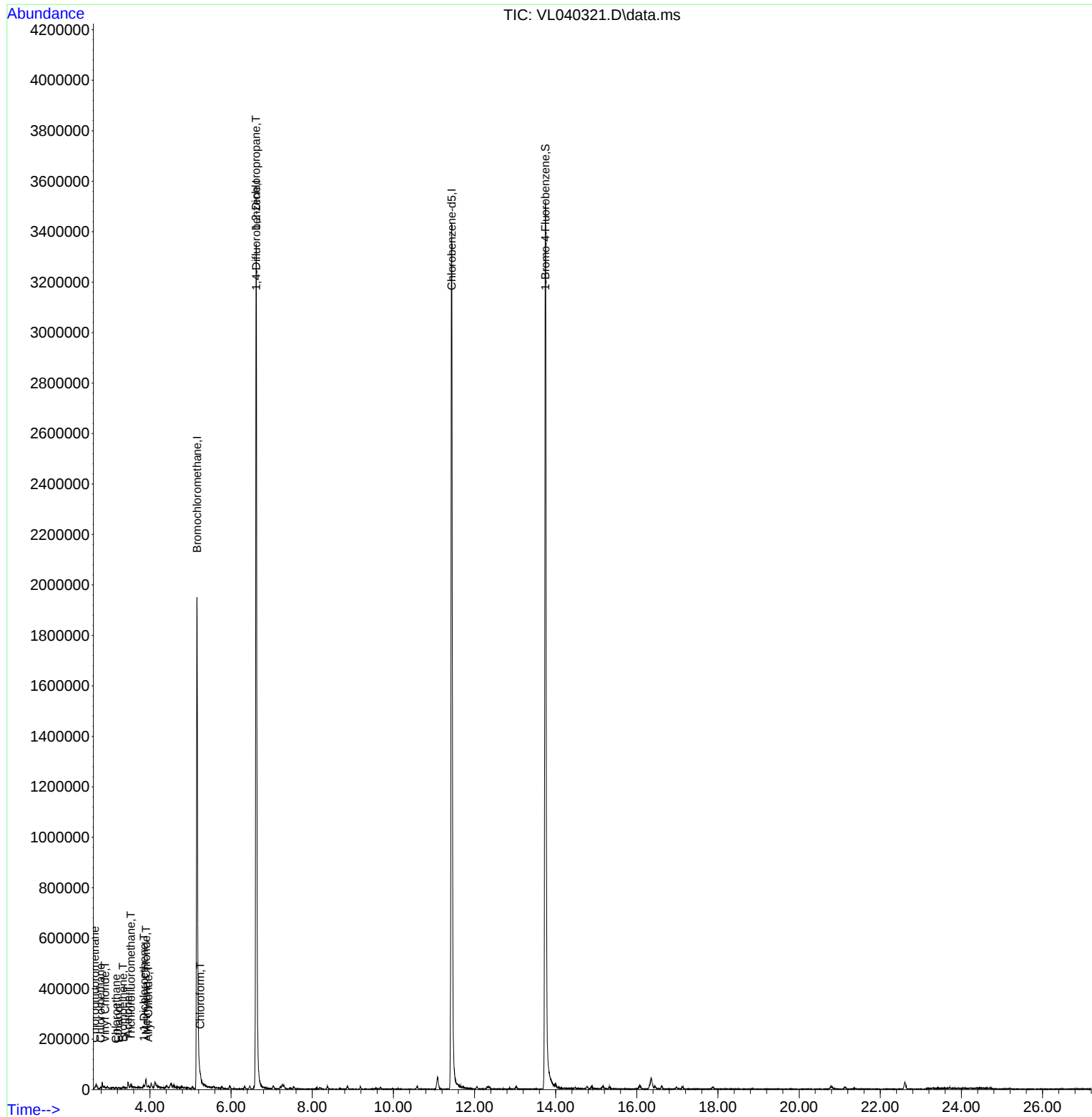
Internal Standards						
1) Bromochloromethane	5.160	49	978138	10.000	ppbv	-0.03
33) 1,4-Difluorobenzene	6.619	114	2476869	10.000	ppbv	-0.04
55) Chlorobenzene-d5	11.436	117	2191297	10.000	ppbv	-0.04
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.748	95	1786584	9.736	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.400%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	2.639	51	6768	0.055	ppbv #	91
4) Chloromethane	2.784	50	3596	0.047	ppbv	95
5) Vinyl Chloride	2.893	62	2718	0.044	ppbv #	87
7) Chloroethane	3.166	64	1327	0.056	ppbv #	80
11) Trichlorofluoromethane	3.530	101	8470	0.049	ppbv	86
13) Ethanol	3.224	45	296	0.086	ppbv #	37
14) Bromoethene	3.333	108	2295	0.047	ppbv #	85
15) Acetone	3.459	43	24440	0.205	ppbv #	85
18) 1,1-Dichloroethene	3.851	96	2522	0.045	ppbv #	41
20) Methylene Chloride	3.902	84	8759	0.175	ppbv #	83
21) Allyl Chloride	3.960	41	2866	0.037	ppbv #	21
29) Chloroform	5.240	83	5001	0.031	ppbv #	78
39) 1,2-Dichloropropane	6.616	63	636900	8.600	ppbv #	23

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

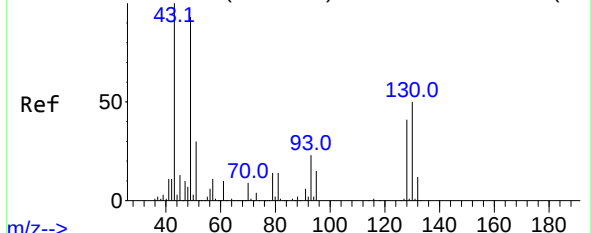
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041023\
Data File : VL040321.D
Acq On : 10 Apr 2023 12:26
Operator : SY/MD
Sample : VIBLK
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Quant Time: Apr 11 02:06:42 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Wed Mar 15 16:14:43 2023
Response via : Initial Calibration

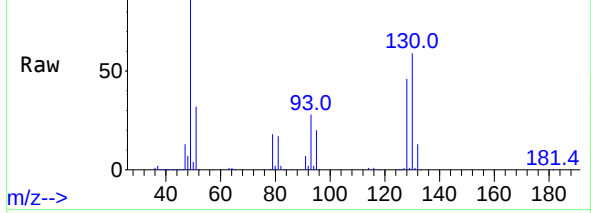


Abundance Scan 804 (5.189 min): VL040279.D\data.ms (-78)



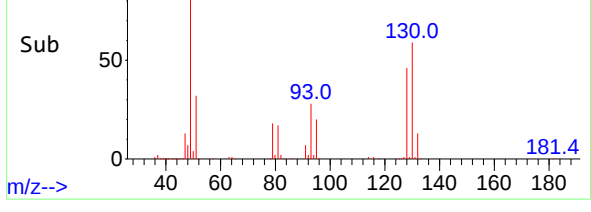
m/z-->

Abundance Scan 795 (5.160 min): VL040321.D\data.ms



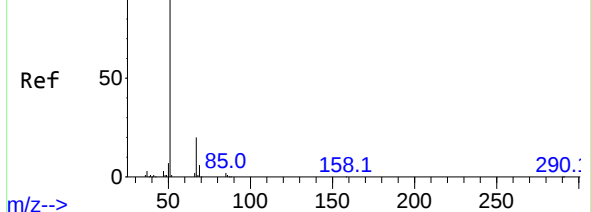
m/z-->

Abundance Scan 795 (5.160 min): VL040321.D\data.ms (-64)



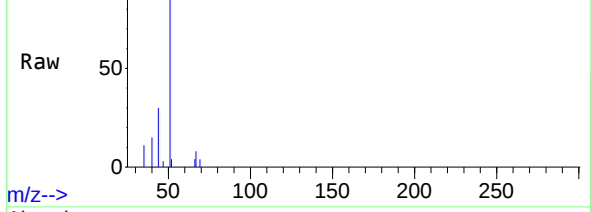
m/z-->

Abundance Scan 19 (2.665 min): VL040279.D\data.ms (-7)



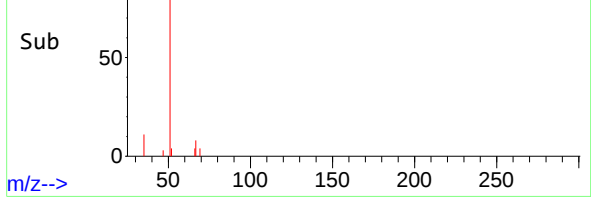
m/z-->

Abundance Scan 11 (2.639 min): VL040321.D\data.ms



m/z-->

Abundance Scan 11 (2.639 min): VL040321.D\data.ms (-1)



m/z-->

#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.160 min Scan# 79

Delta R.T. -0.029 min

Lab File: VL040321.D

Acq: 10 Apr 2023 12:26

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

Tgt Ion: 49 Resp: 978138

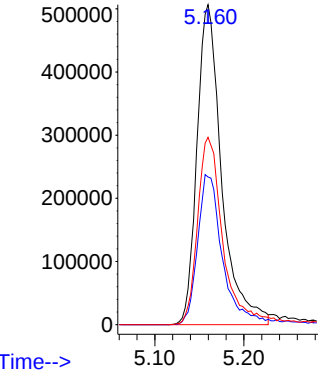
Ion Ratio Lower Upper

49 100

128 49.4 22.4 67.3

130 62.9 28.7 86.1

Abundance



Time-->

#3

Chlorodifluoromethane

Concen: 0.055 ppbv

RT: 2.639 min Scan# 11

Delta R.T. -0.026 min

Lab File: VL040321.D

Acq: 10 Apr 2023 12:26

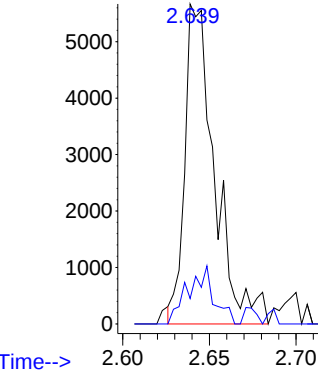
Tgt Ion: 51 Resp: 6768

Ion Ratio Lower Upper

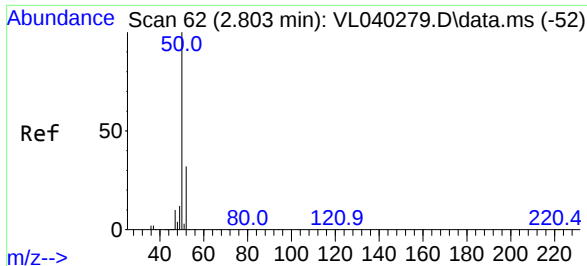
51 100

67 15.7 16.0 24.0#

Abundance



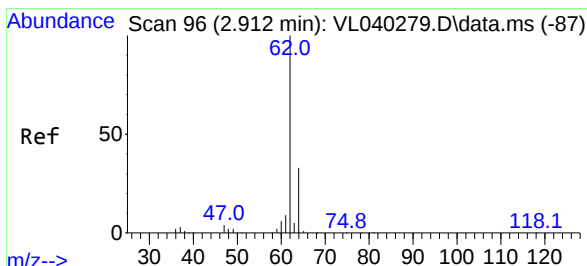
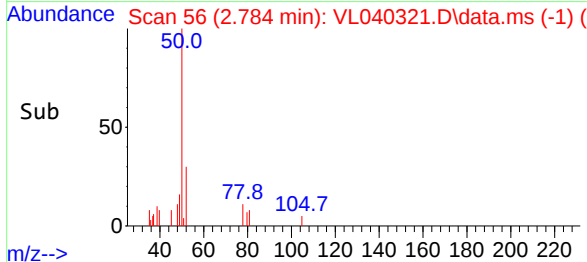
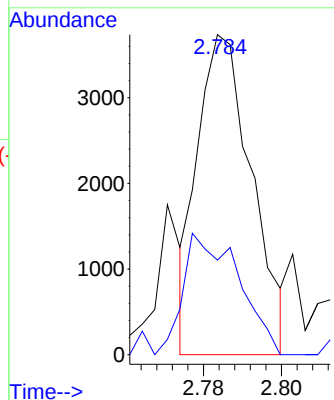
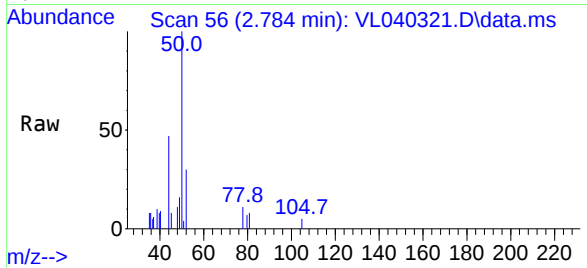
Time-->



#4
Chloromethane
Concen: 0.047 ppbv
RT: 2.784 min Scan# 50
Delta R.T. -0.019 min
Lab File: VL040321.D
Acq: 10 Apr 2023 12:26

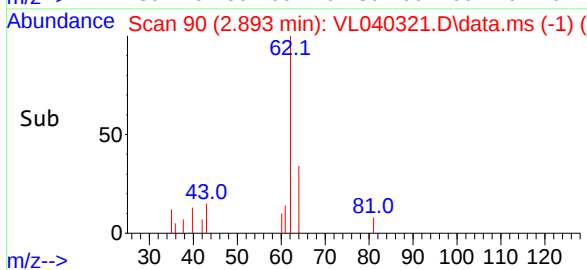
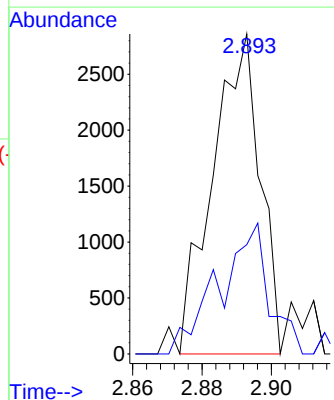
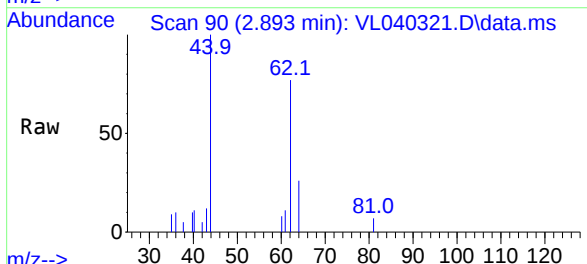
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

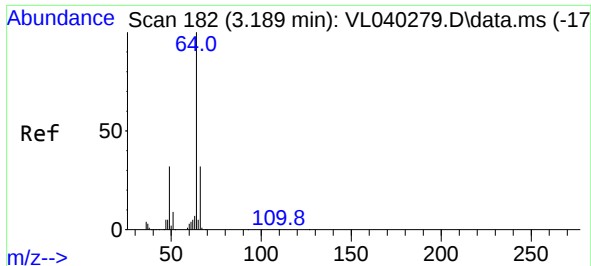
Tgt Ion: 50 Resp: 3596
Ion Ratio Lower Upper
50 100
52 35.3 25.9 38.9



#5
Vinyl Chloride
Concen: 0.044 ppbv
RT: 2.893 min Scan# 90
Delta R.T. -0.019 min
Lab File: VL040321.D
Acq: 10 Apr 2023 12:26

Tgt Ion: 62 Resp: 2718
Ion Ratio Lower Upper
62 100
64 25.9 26.4 39.6#

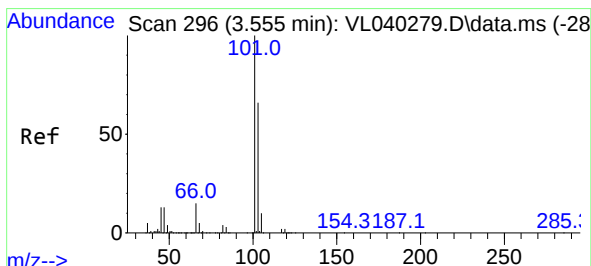
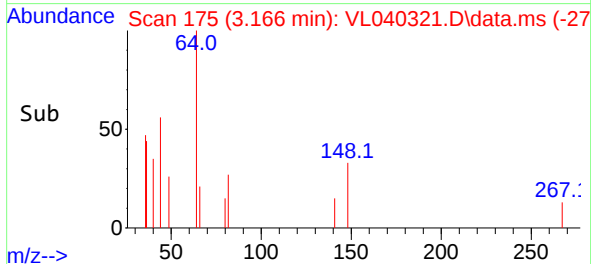
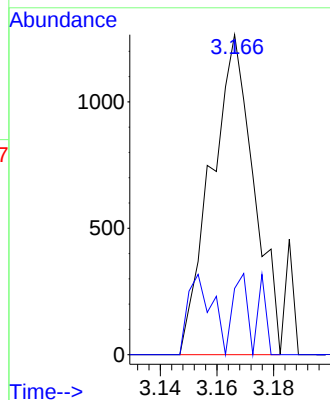
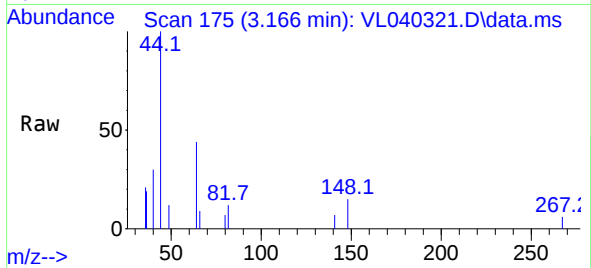




#7
Chloroethane
Concen: 0.056 ppbv
RT: 3.166 min Scan# 11
Delta R.T. -0.023 min
Lab File: VL040321.D
Acq: 10 Apr 2023 12:26

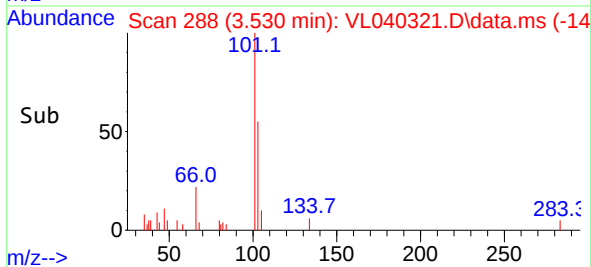
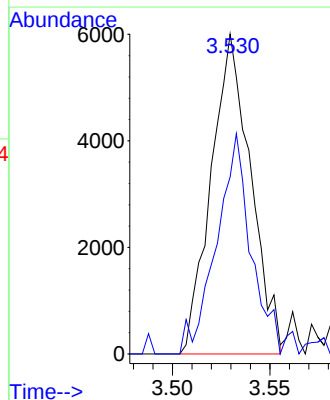
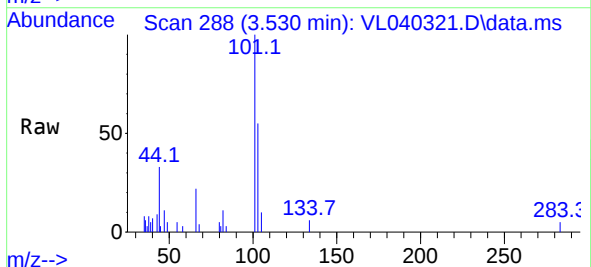
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

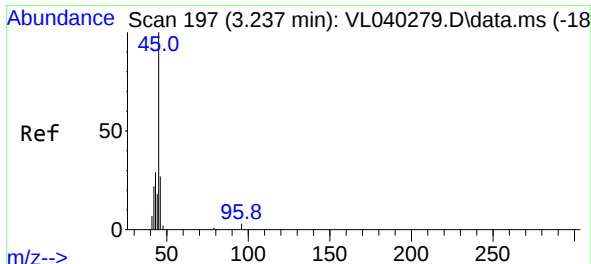
Tgt Ion: 64 Resp: 1327
Ion Ratio Lower Upper
64 100
66 20.7 25.5 38.3#



#11
Trichlorofluoromethane
Concen: 0.049 ppbv
RT: 3.530 min Scan# 288
Delta R.T. -0.025 min
Lab File: VL040321.D
Acq: 10 Apr 2023 12:26

Tgt Ion: 101 Resp: 8470
Ion Ratio Lower Upper
101 100
103 55.3 53.1 79.7

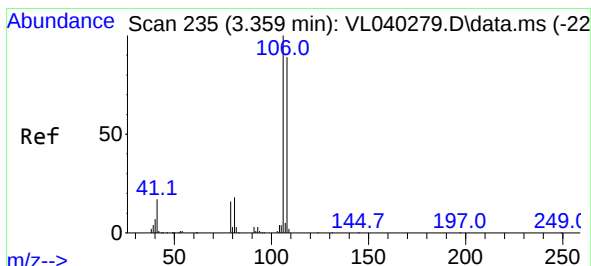
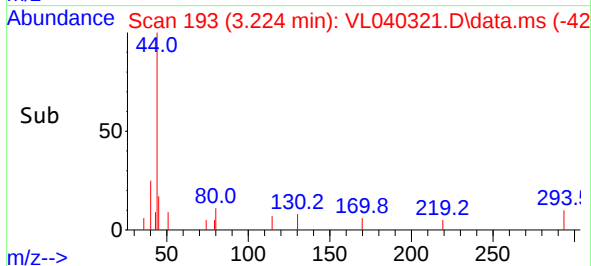
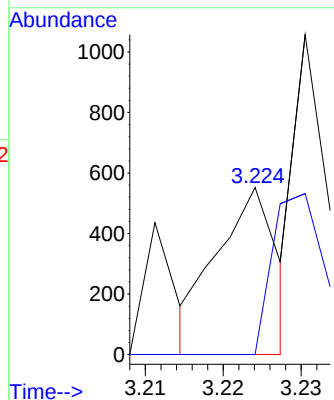
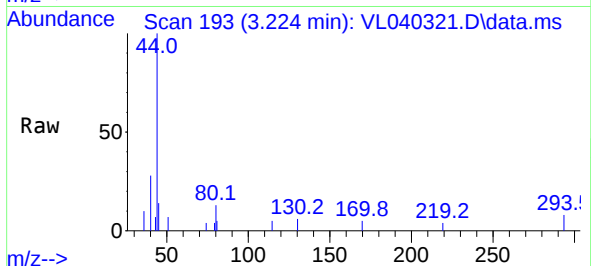




#13
Ethanol
Concen: 0.086 ppbv
RT: 3.224 min Scan# 197
Delta R.T. -0.013 min
Lab File: VL040321.D
Acq: 10 Apr 2023 12:26

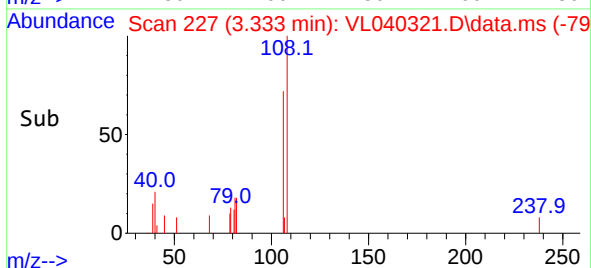
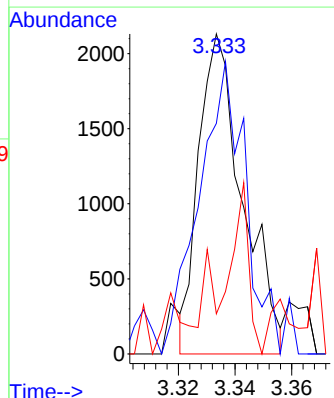
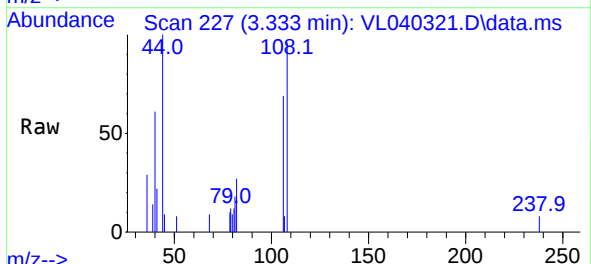
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

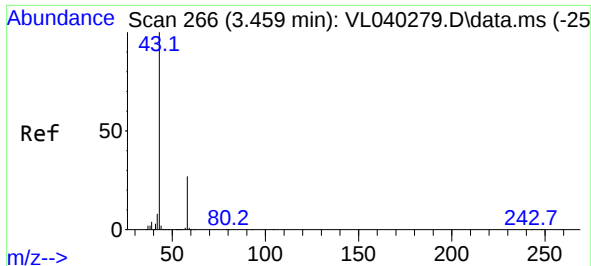
Tgt Ion: 45 Resp: 296
Ion Ratio Lower Upper
45 100
46 0.0 15.0 60.2#



#14
Bromoethene
Concen: 0.047 ppbv
RT: 3.333 min Scan# 227
Delta R.T. -0.026 min
Lab File: VL040321.D
Acq: 10 Apr 2023 12:26

Tgt Ion: 108 Resp: 2295
Ion Ratio Lower Upper
108 100
106 104.7 85.8 128.8
79 57.1 15.8 23.6#

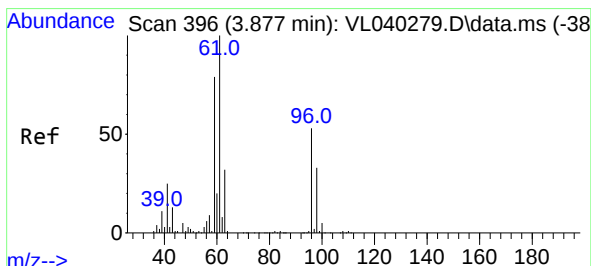
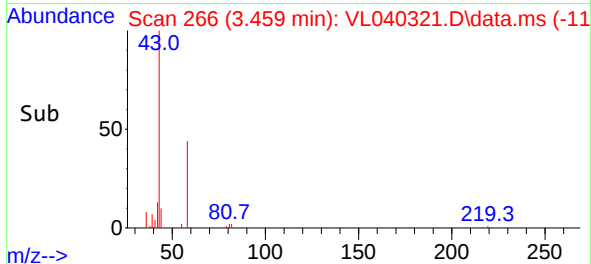
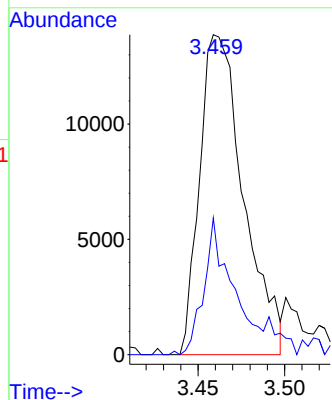
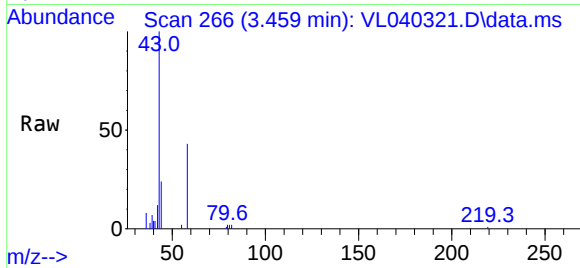




#15
Acetone
Concen: 0.205 ppbv
RT: 3.459 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL040321.D
Acq: 10 Apr 2023 12:26

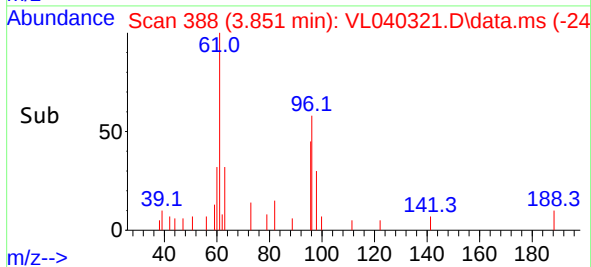
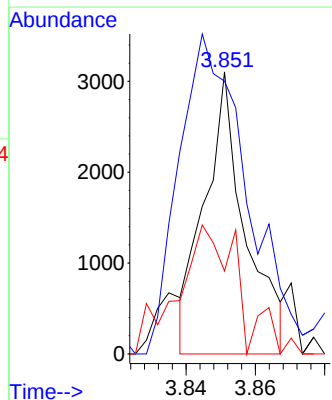
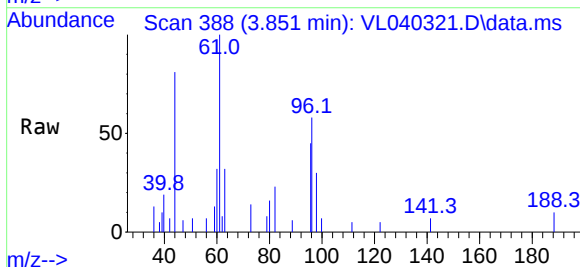
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

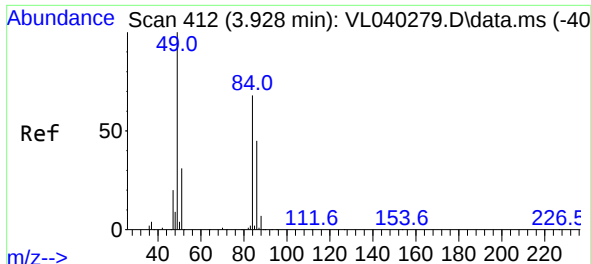
Tgt Ion: 43 Resp: 24440
Ion Ratio Lower Upper
43 100
58 35.2 21.8 32.8#



#18
1,1-Dichloroethene
Concen: 0.045 ppbv
RT: 3.851 min Scan# 388
Delta R.T. -0.026 min
Lab File: VL040321.D
Acq: 10 Apr 2023 12:26

Tgt Ion: 96 Resp: 2522
Ion Ratio Lower Upper
96 100
61 89.9 150.6 226.0#
98 36.0 50.3 75.5#





#20

Methylene Chloride

Concen: 0.175 ppbv

RT: 3.902 min Scan# 404

Delta R.T. -0.026 min

Lab File: VL040321.D

Acq: 10 Apr 2023 12:26

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

Tgt Ion: 84 Resp: 8759

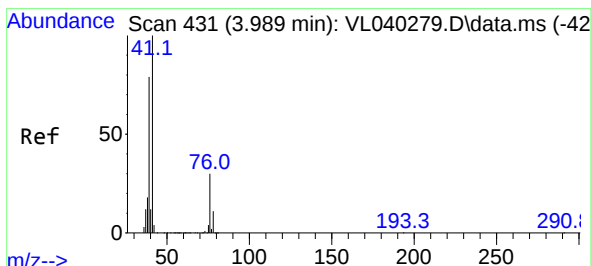
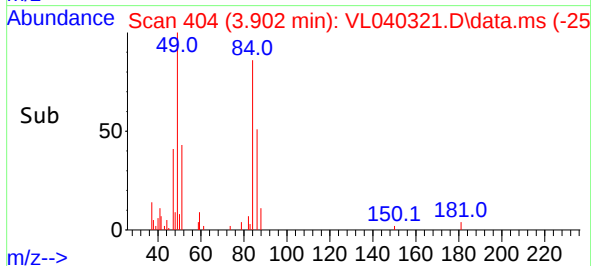
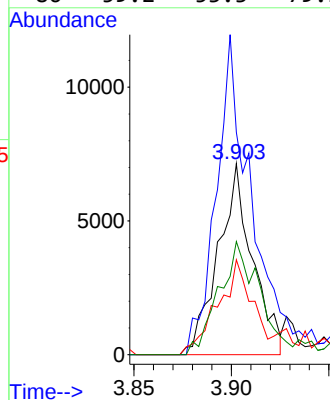
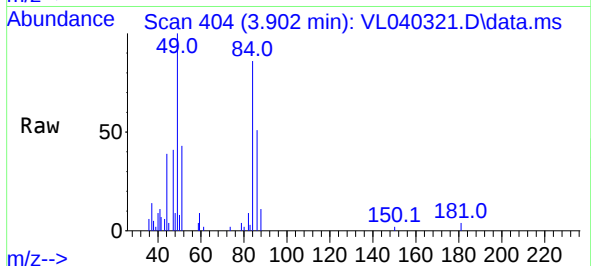
Ion Ratio Lower Upper

84 100

49 116.4 117.5 176.3#

51 49.7 36.9 55.3

86 59.2 53.3 79.9



#21

Allyl Chloride

Concen: 0.037 ppbv

RT: 3.960 min Scan# 422

Delta R.T. -0.029 min

Lab File: VL040321.D

Acq: 10 Apr 2023 12:26

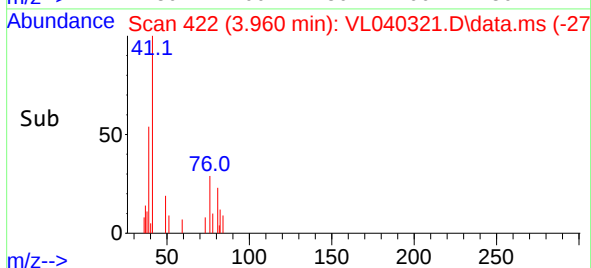
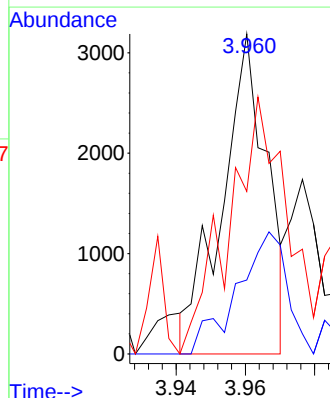
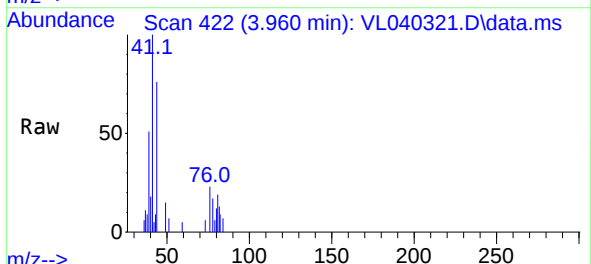
Tgt Ion: 41 Resp: 2866

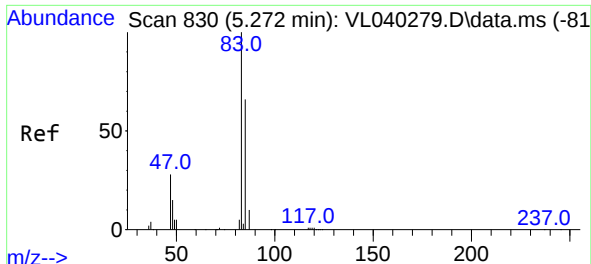
Ion Ratio Lower Upper

41 100

76 46.1 25.4 38.0#

39 171.1 65.4 98.2#





#29

Chloroform

Concen: 0.031 ppbv

RT: 5.240 min Scan# 81

Delta R.T. -0.032 min

Lab File: VL040321.D

Acq: 10 Apr 2023 12:26

Instrument :

MSVOA_L

ClientSampleId :

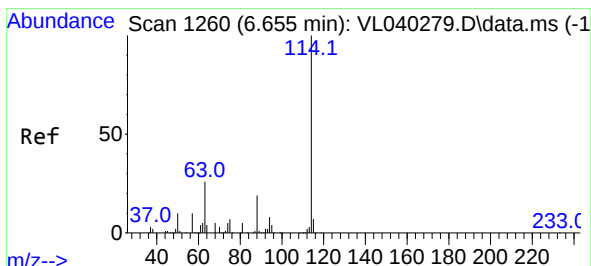
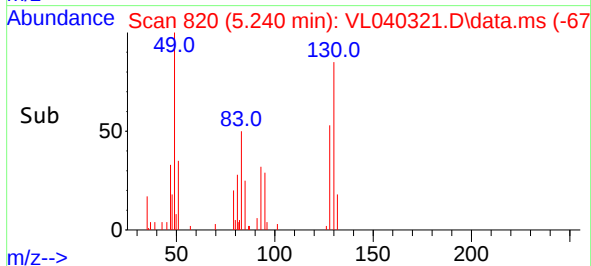
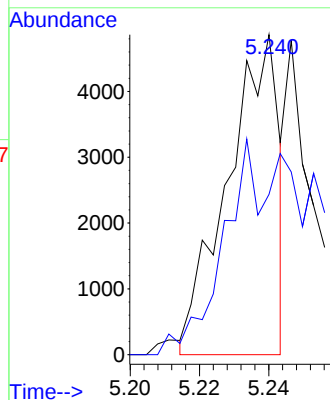
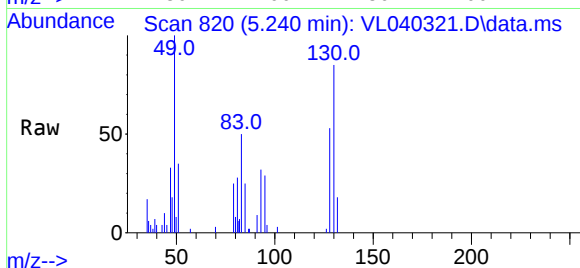
VIBLK

Tgt Ion: 83 Resp: 5001

Ion Ratio Lower Upper

83 100

85 48.8 52.8 79.2#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.619 min Scan# 1249

Delta R.T. -0.036 min

Lab File: VL040321.D

Acq: 10 Apr 2023 12:26

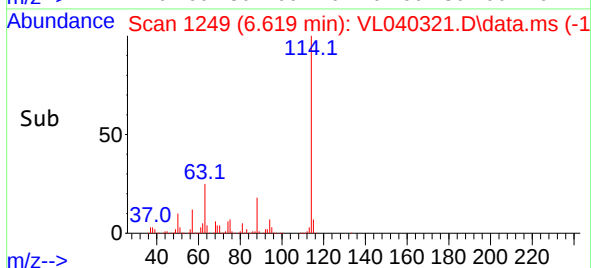
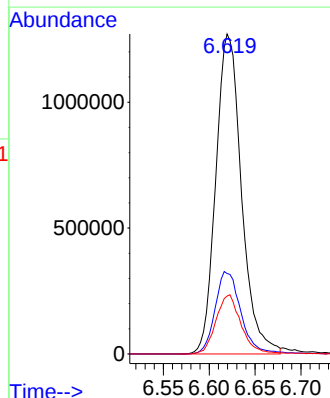
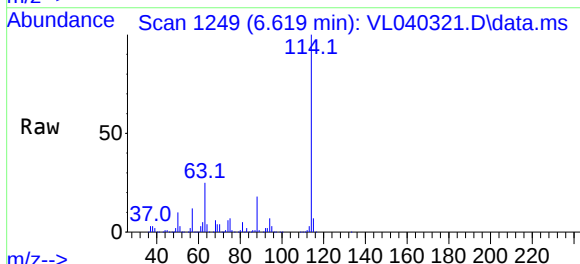
Tgt Ion: 114 Resp: 2476869

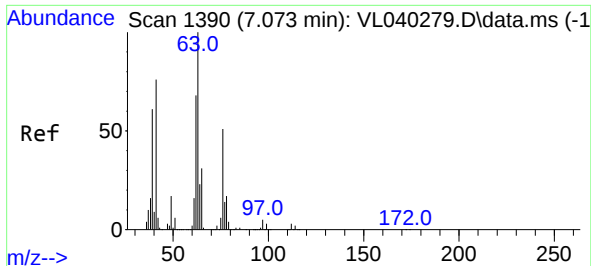
Ion Ratio Lower Upper

114 100

63 26.2 21.2 31.8

88 18.3 14.5 21.7





#39

1,2-Dichloropropane

Concen: 8.600 ppbv

RT: 6.616 min Scan# 11

Delta R.T. -0.457 min

Lab File: VL040321.D

Acq: 10 Apr 2023 12:26

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

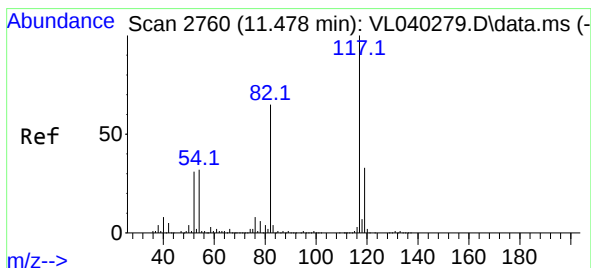
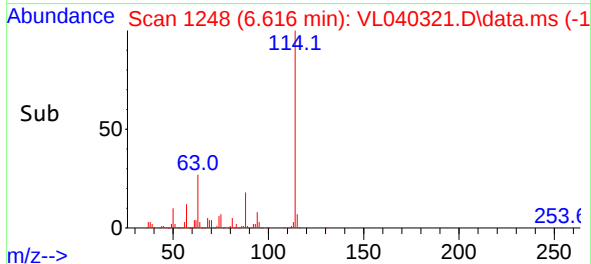
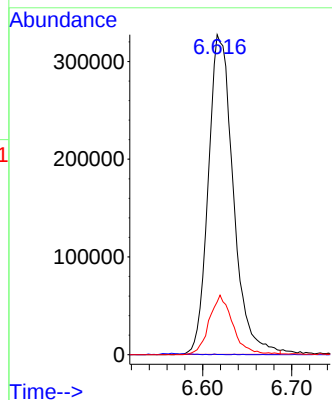
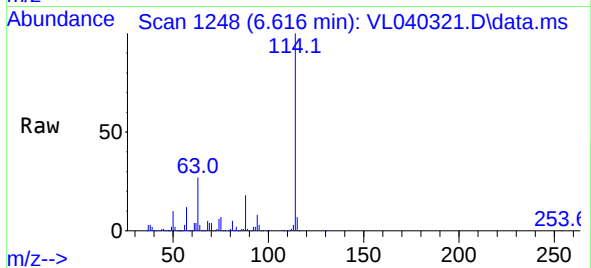
Tgt Ion: 63 Resp: 636900

Ion Ratio Lower Upper

63 100

41 0.1 60.8 91.2#

62 16.5 54.1 81.1#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.436 min Scan# 2747

Delta R.T. -0.042 min

Lab File: VL040321.D

Acq: 10 Apr 2023 12:26

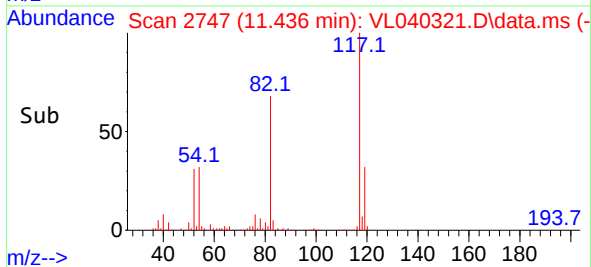
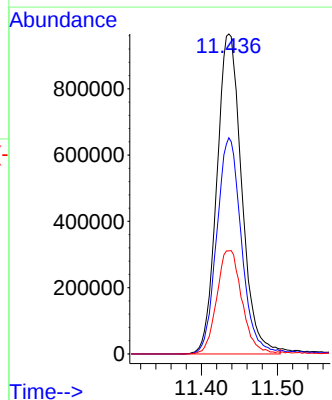
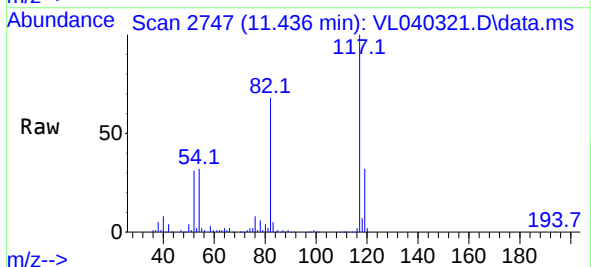
Tgt Ion: 117 Resp: 2191297

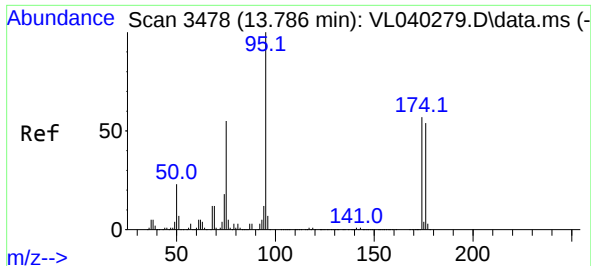
Ion Ratio Lower Upper

117 100

82 68.1 51.4 77.2

119 33.2 24.0 36.0





#68

1-Bromo-4-Fluorobenzene

Concen: 9.736 ppbv

RT: 13.748 min Scan# 34

Delta R.T. -0.038 min

Lab File: VL040321.D

Acq: 10 Apr 2023 12:26

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

Tgt Ion: 95 Resp: 1786584

Ion Ratio Lower Upper

95 100

174 60.1 47.0 70.6

175 4.4 3.4 5.2

