

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020924\
 Data File : VL041064.D
 Acq On : 9 Feb 2024 19:04
 Operator : SY/MD
 Sample : P1420-01DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Feb 12 00:49:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Feb 12 00:40:04 2024
 Response via : Initial Calibration

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

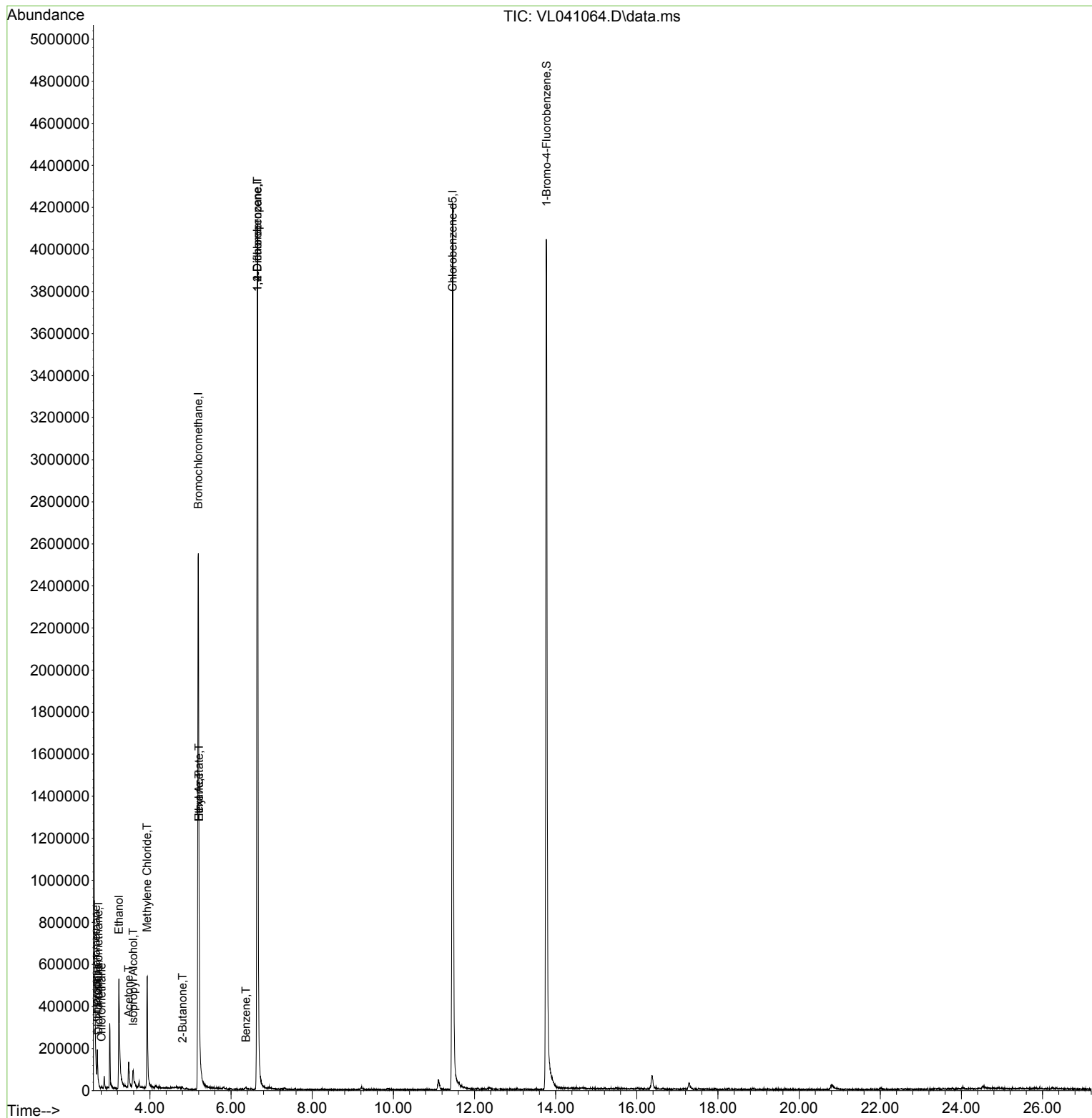
Internal Standards						
1) Bromochloromethane	5.192	49	1228351	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.648	114	3246730	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2820933	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.773	95	2142095	10.054	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	= 100.500%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.729	85	11833	0.044	ppbv	90
3) Chlorodifluoromethane	2.674	51	8160	0.039	ppbv	95
4) Chloromethane	2.809	50	4237	0.055	ppbv #	59
9) Propene	2.706	41	30460	0.449	ppbv #	64
13) Ethanol	3.237	45	625301	38.716	ppbv	93
15) Acetone	3.475	43	114857	0.731	ppbv	100
19) Isopropyl Alcohol	3.587	45	48560	0.534	ppbv #	82
20) Methylene Chloride	3.931	84	173598	2.872	ppbv	91
25) Ethyl Acetate	5.211	43	103529	0.363	ppbv #	78
26) Hexane	5.211	57	142358	1.173	ppbv #	39
34) 2-Butanone	4.803	43	4935	0.032	ppbv #	76
36) Benzene	6.369	78	6564	0.024	ppbv	92
39) 1,2-Dichloropropane	6.648	63	777656	7.362	ppbv #	23

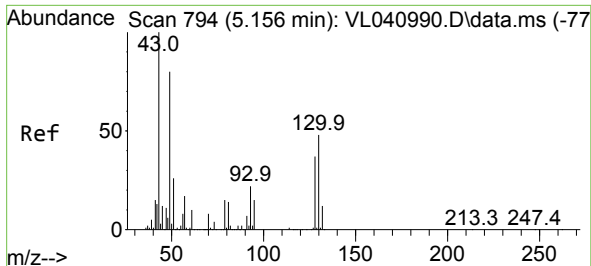
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 12 00:49:56 2024
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Mon Feb 12 00:40:04 2024
Response via : Initial Calibration

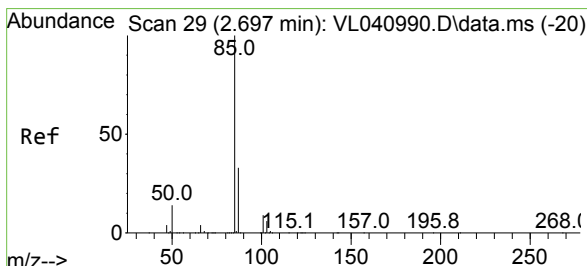
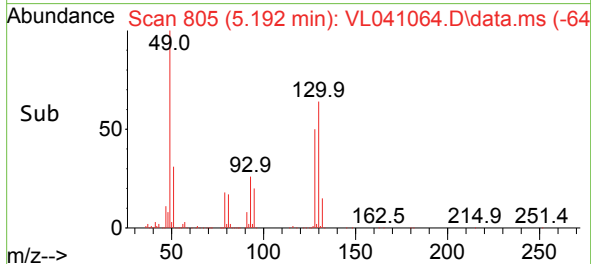
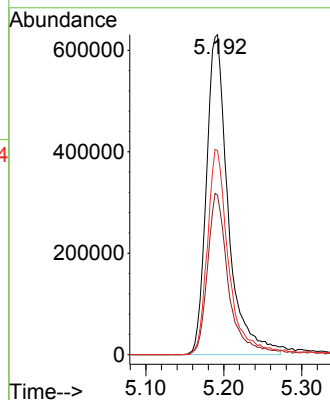
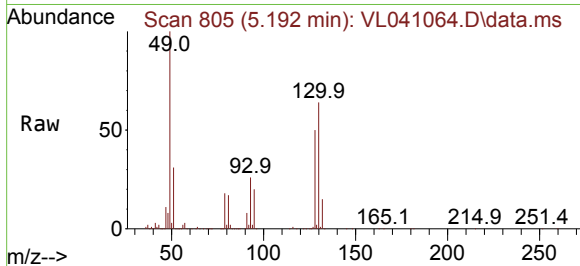




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.192 min Scan# 80
 Delta R.T. 0.016 min
 Lab File: VL041064.D
 Acq: 9 Feb 2024 19:04

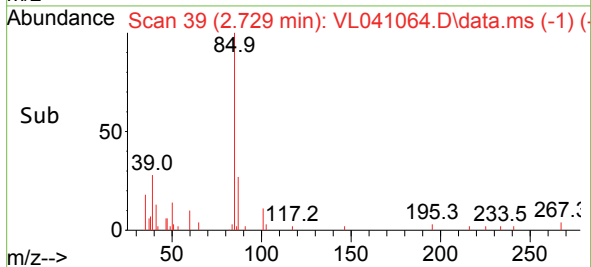
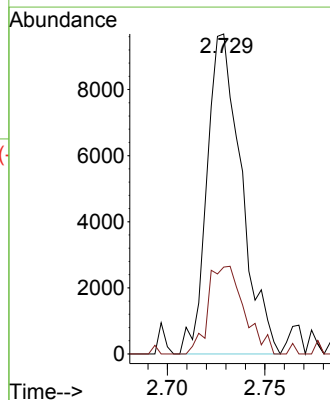
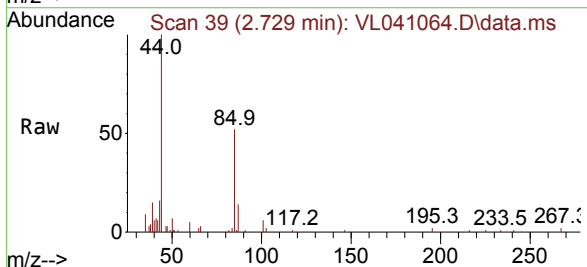
Instrument :
 MSVOA_L
 ClientSampleId :

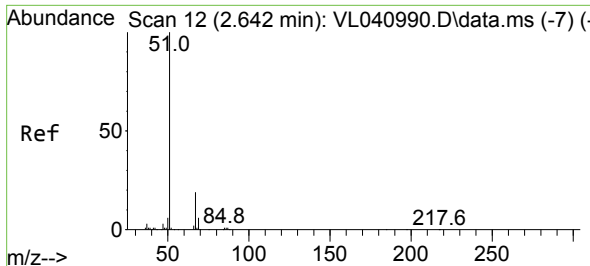
Tgt Ion: 49 Resp: 1228351
 Ion Ratio Lower Upper
 49 100
 128 49.9 23.9 71.7
 130 64.6 31.1 93.5



#2
 Dichlorodifluoromethane
 Concen: 0.044 ppbv
 RT: 2.729 min Scan# 39
 Delta R.T. 0.013 min
 Lab File: VL041064.D
 Acq: 9 Feb 2024 19:04

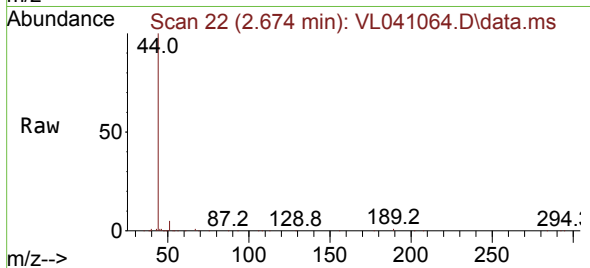
Tgt Ion: 85 Resp: 11833
 Ion Ratio Lower Upper
 85 100
 87 27.2 26.3 39.5



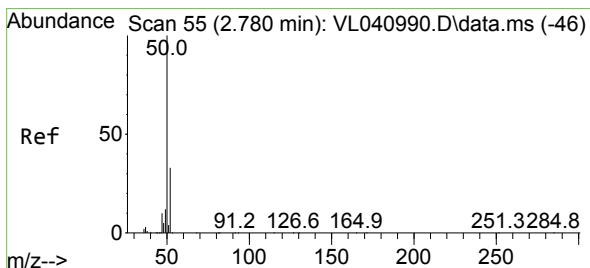
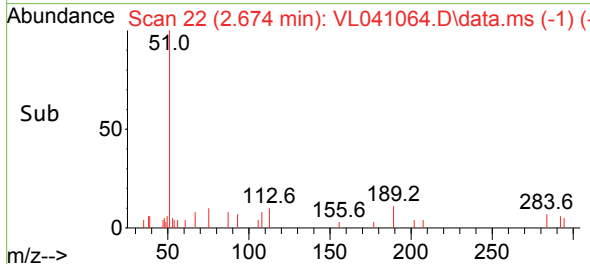
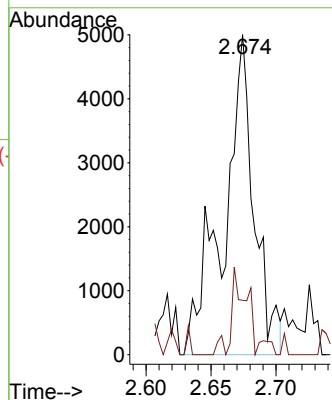


#3
Chlorodifluoromethane
Concen: 0.039 ppbv
RT: 2.674 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL041064.D
Acq: 9 Feb 2024 19:04

Instrument :
MSVOA_L
ClientSampleId :

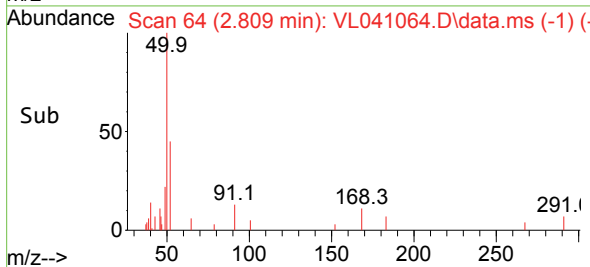
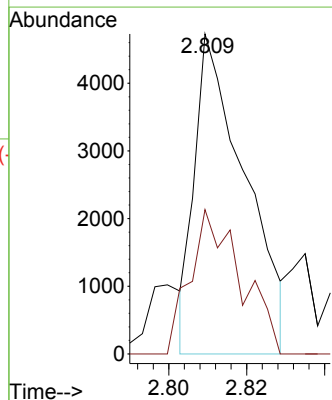
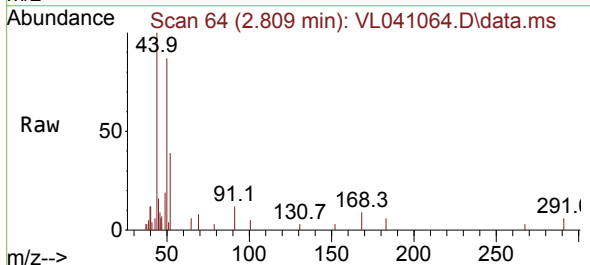


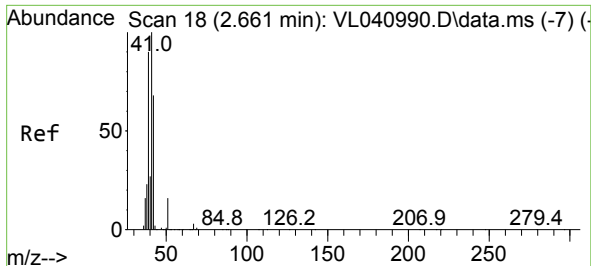
Tgt Ion: 51 Resp: 8160
Ion Ratio Lower Upper
51 100
67 16.1 14.8 22.2



#4
Chloromethane
Concen: 0.055 ppbv
RT: 2.809 min Scan# 64
Delta R.T. 0.013 min
Lab File: VL041064.D
Acq: 9 Feb 2024 19:04

Tgt Ion: 50 Resp: 4237
Ion Ratio Lower Upper
50 100
52 56.1 26.2 39.4#

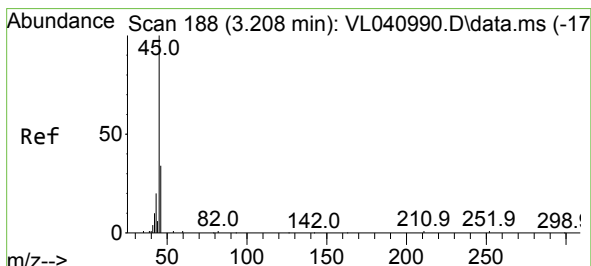
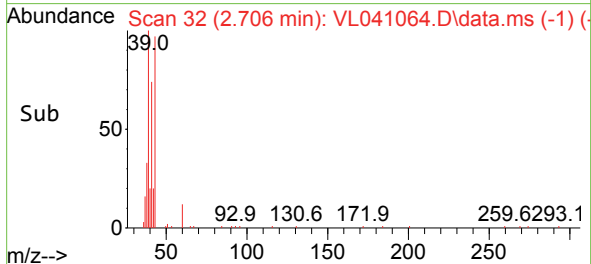
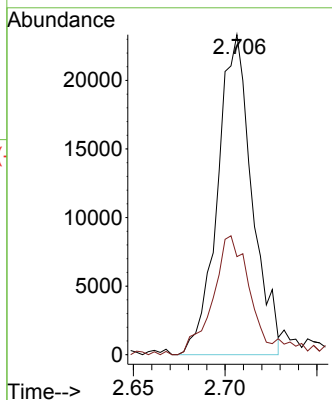
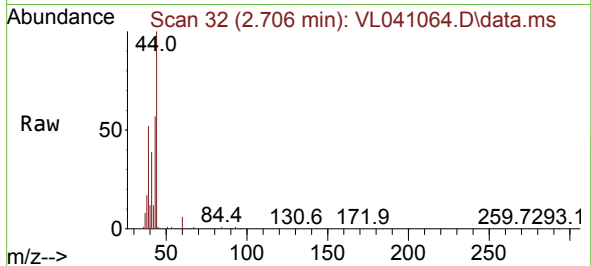




#9
Propene
Concen: 0.449 ppbv
RT: 2.706 min Scan# 31
Delta R.T. 0.029 min
Lab File: VL041064.D
Acq: 9 Feb 2024 19:04

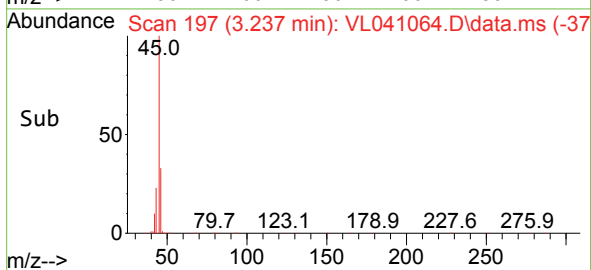
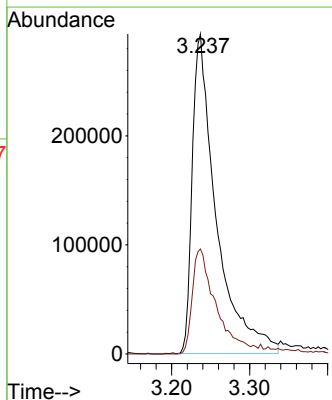
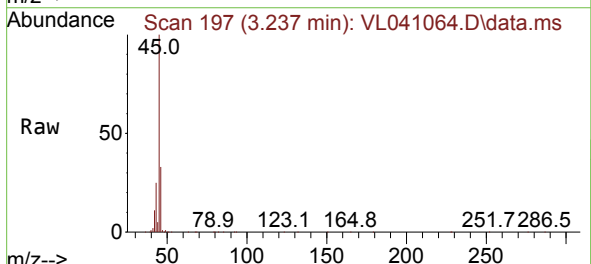
Instrument :
MSVOA_L
ClientSampleId :

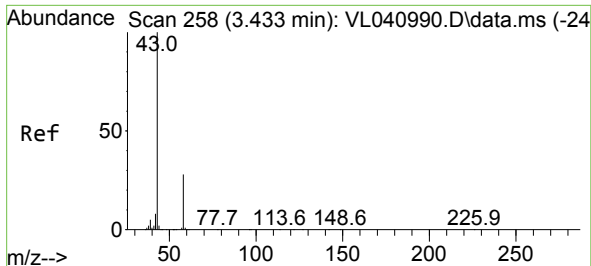
Tgt Ion: 41 Resp: 30460
Ion Ratio Lower Upper
41 100
42 43.7 59.0 88.4#



#13
Ethanol
Concen: 38.716 ppbv
RT: 3.237 min Scan# 197
Delta R.T. 0.013 min
Lab File: VL041064.D
Acq: 9 Feb 2024 19:04

Tgt Ion: 45 Resp: 625301
Ion Ratio Lower Upper
45 100
46 36.0 16.2 64.8

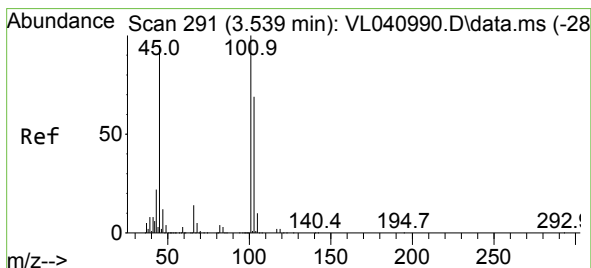
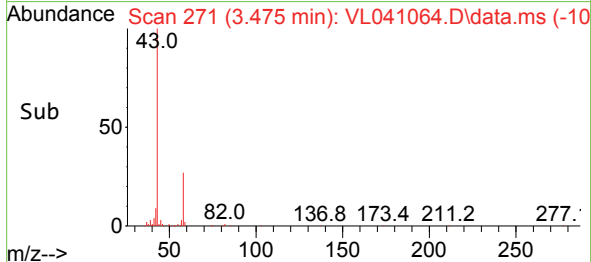
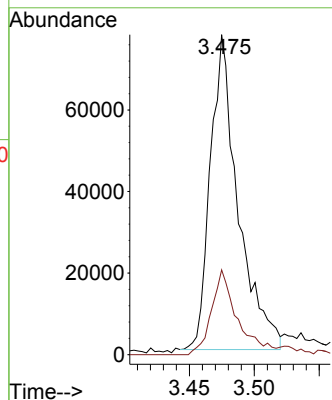
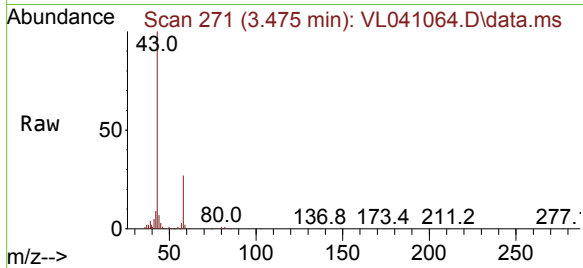




#15
Acetone
Concen: 0.731 ppbv
RT: 3.475 min Scan# 21
Delta R.T. 0.023 min
Lab File: VL041064.D
Acq: 9 Feb 2024 19:04

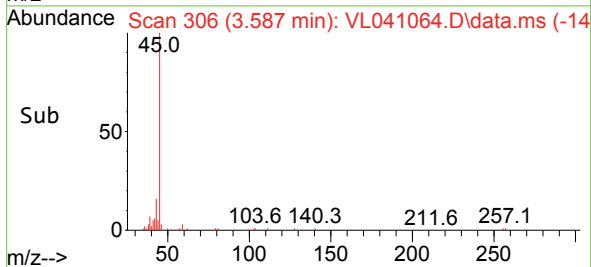
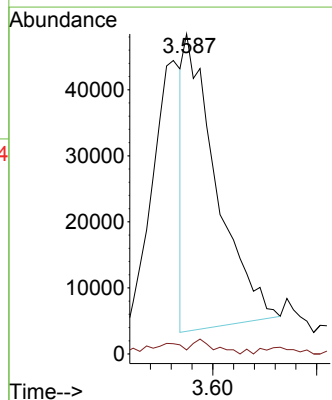
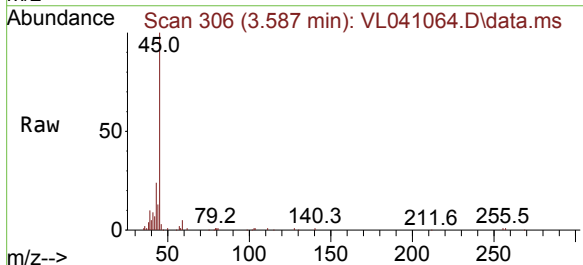
Instrument :
MSVOA_L
ClientSampleId :

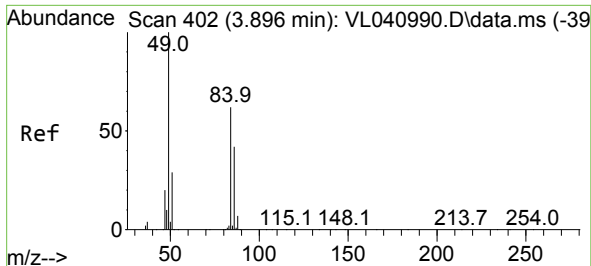
Tgt Ion: 43 Resp: 114857
Ion Ratio Lower Upper
43 100
58 27.5 22.2 33.2



#19
Isopropyl Alcohol
Concen: 0.534 ppbv
RT: 3.587 min Scan# 306
Delta R.T. 0.026 min
Lab File: VL041064.D
Acq: 9 Feb 2024 19:04

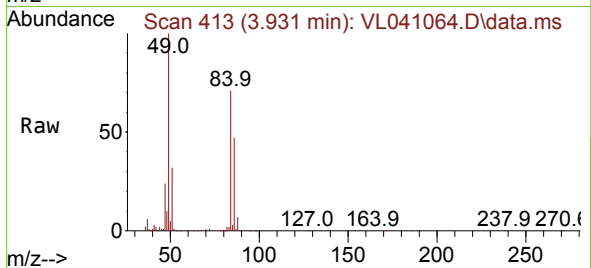
Tgt Ion: 45 Resp: 48560
Ion Ratio Lower Upper
45 100
58 8.8 2.2 3.4#





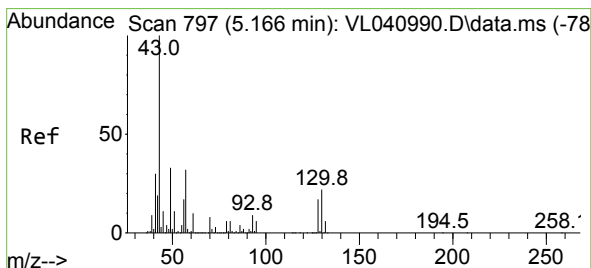
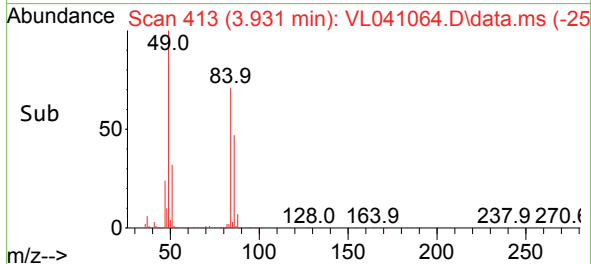
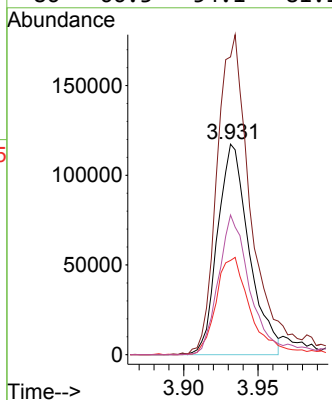
#20
Methylene Chloride
Concen: 2.872 ppbv
RT: 3.931 min Scan# 413
Delta R.T. 0.013 min
Lab File: VL041064.D
Acq: 9 Feb 2024 19:04

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 84 Resp: 173598

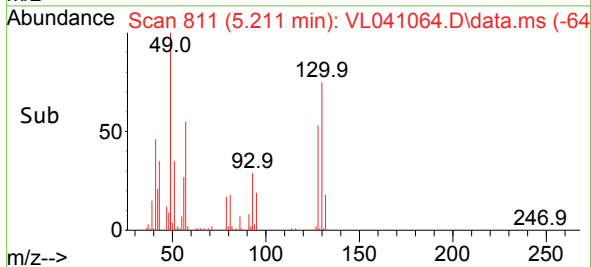
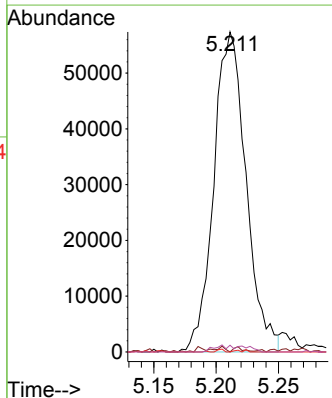
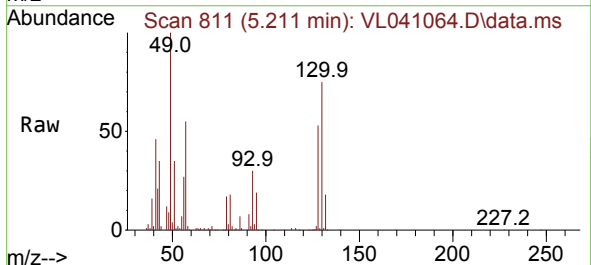
Ion	Ratio	Lower	Upper
84	100		
49	141.2	128.1	192.1
51	44.7	36.5	54.7
86	66.3	54.1	81.1

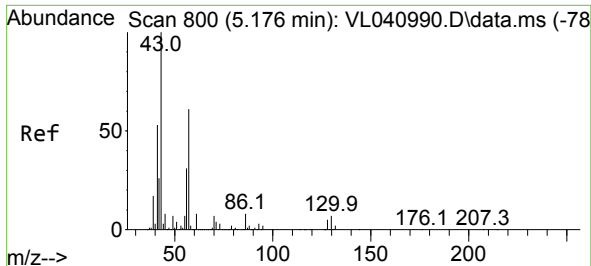


#25
Ethyl Acetate
Concen: 0.363 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.019 min
Lab File: VL041064.D
Acq: 9 Feb 2024 19:04

Tgt Ion: 43 Resp: 103529

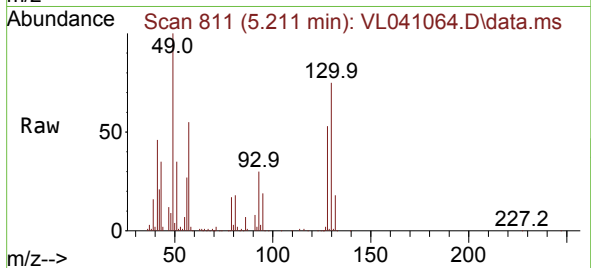
Ion	Ratio	Lower	Upper
43	100		
45	1.7	8.2	12.4#
61	0.3	7.9	11.9#
70	2.0	5.4	8.2#



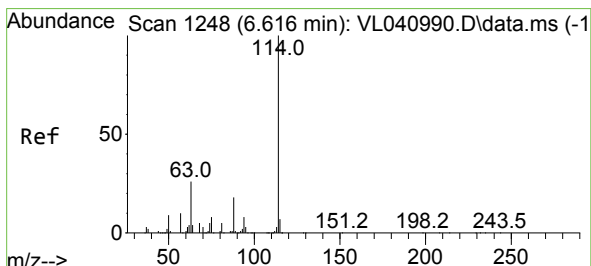
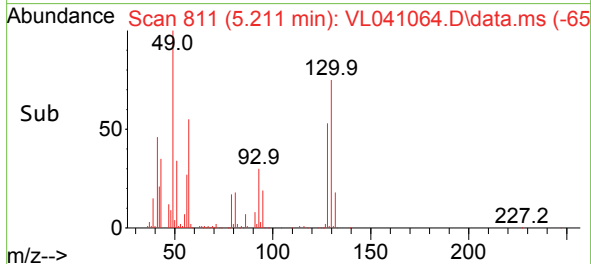
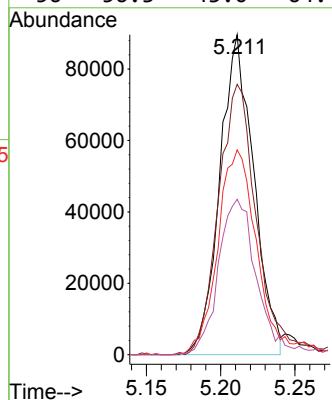


#26
Hexane
Concen: 1.173 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.013 min
Lab File: VL041064.D
Acq: 9 Feb 2024 19:04

Instrument :
MSVOA_L
ClientSampleId :

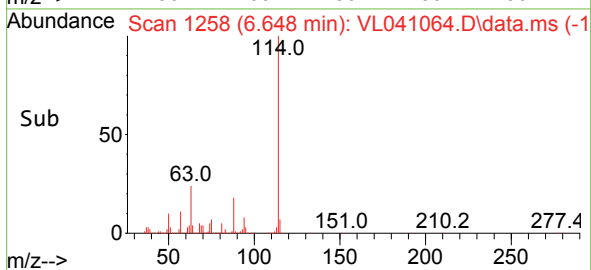
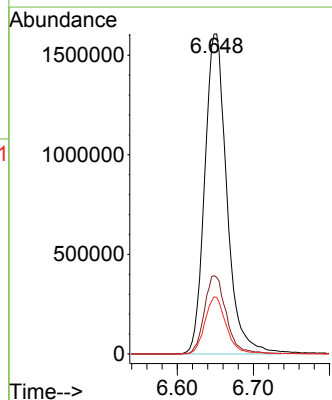
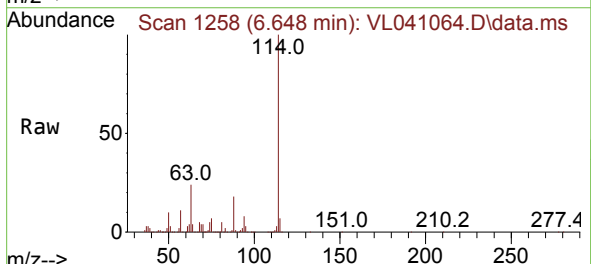


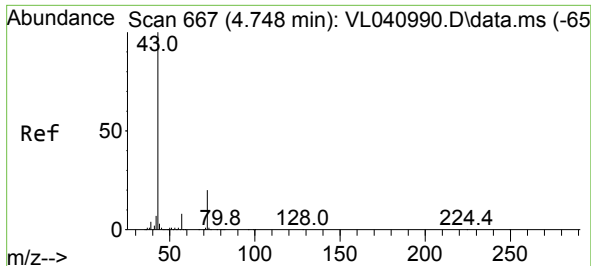
Tgt Ion: 57 Resp: 142358
Ion Ratio Lower Upper
57 100
41 97.3 74.4 111.6
43 75.5 190.6 285.8#
56 56.3 43.0 64.4



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.648 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VL041064.D
Acq: 9 Feb 2024 19:04

Tgt Ion:114 Resp: 3246730
Ion Ratio Lower Upper
114 100
63 24.6 20.8 31.2
88 17.4 14.3 21.5

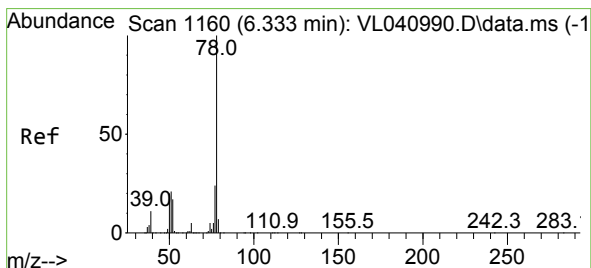
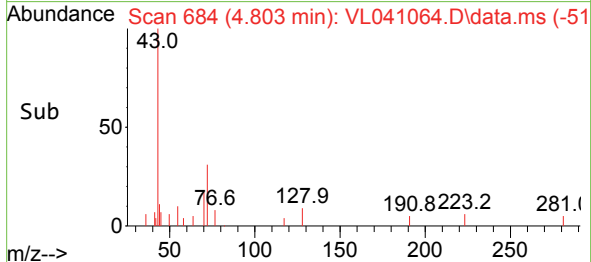
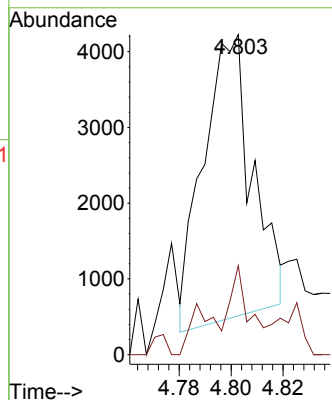
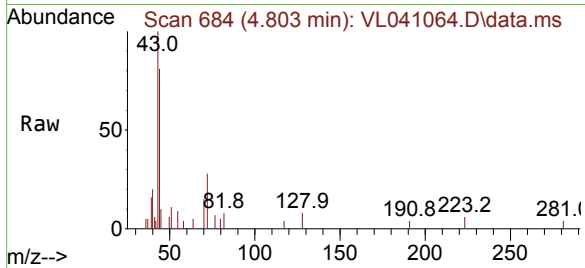




#34
2-Butanone
Concen: 0.032 ppbv
RT: 4.803 min Scan# 61
Delta R.T. 0.032 min
Lab File: VL041064.D
Acq: 9 Feb 2024 19:04

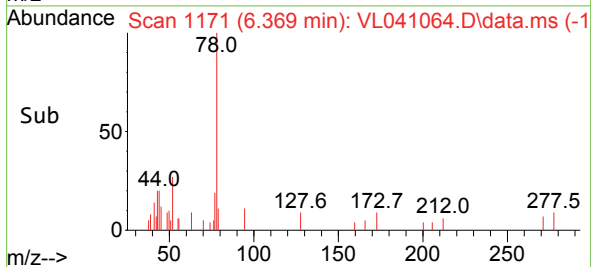
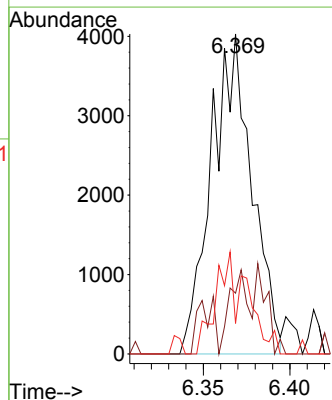
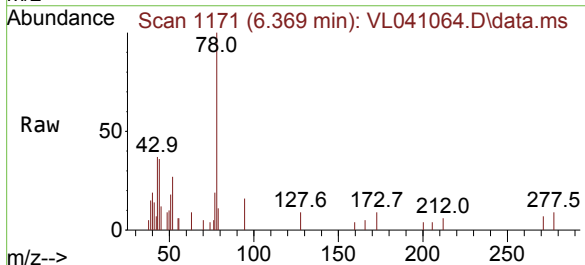
Instrument :
MSVOA_L
ClientSampleId :

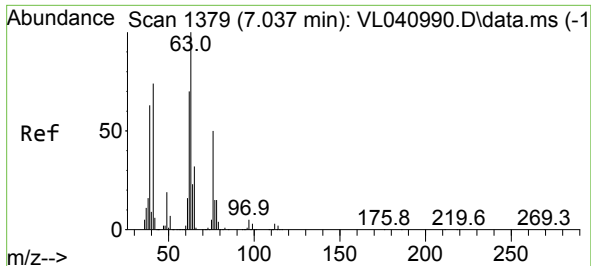
Tgt Ion: 43 Resp: 4935
Ion Ratio Lower Upper
43 100
72 10.7 17.5 26.3#



#36
Benzene
Concen: 0.024 ppbv
RT: 6.369 min Scan# 1171
Delta R.T. 0.010 min
Lab File: VL041064.D
Acq: 9 Feb 2024 19:04

Tgt Ion: 78 Resp: 6564
Ion Ratio Lower Upper
78 100
77 19.0 19.0 28.4
50 22.5 15.8 23.6





#39

1,2-Dichloropropane

Concen: 7.362 ppbv

RT: 6.648 min Scan# 11

Delta R.T. -0.408 min

Lab File: VL041064.D

Acq: 9 Feb 2024 19:04

Instrument :

MSVOA_L

ClientSampleId :

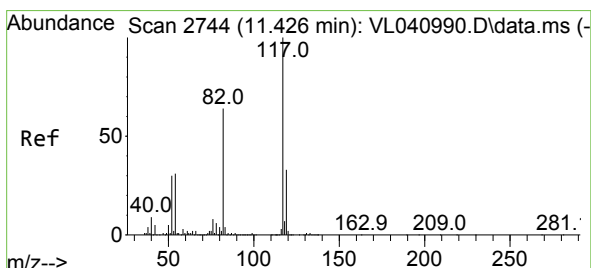
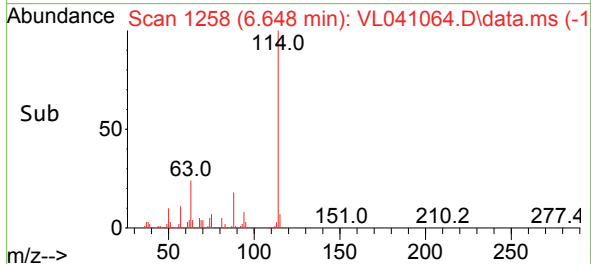
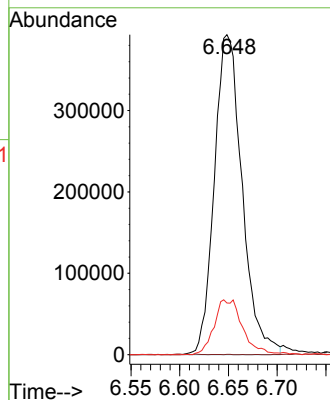
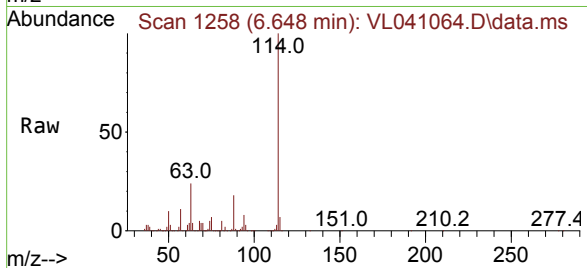
Tgt Ion: 63 Resp: 777656

Ion Ratio Lower Upper

63 100

41 0.0 59.6 89.4#

62 16.2 55.6 83.4#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.462 min Scan# 2755

Delta R.T. 0.010 min

Lab File: VL041064.D

Acq: 9 Feb 2024 19:04

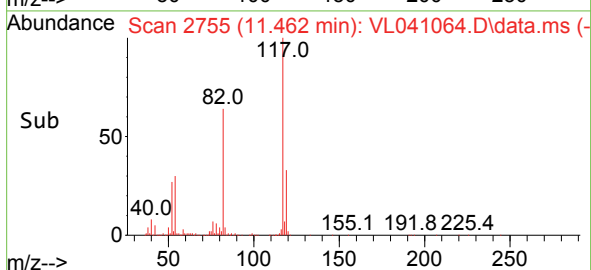
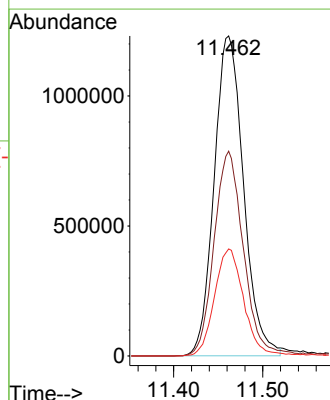
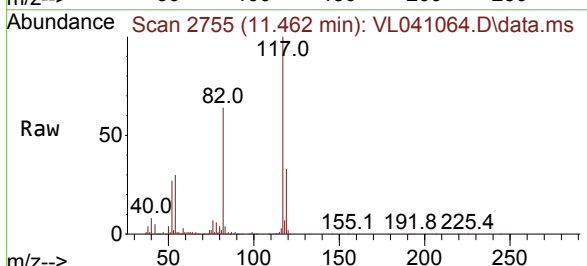
Tgt Ion: 117 Resp: 2820933

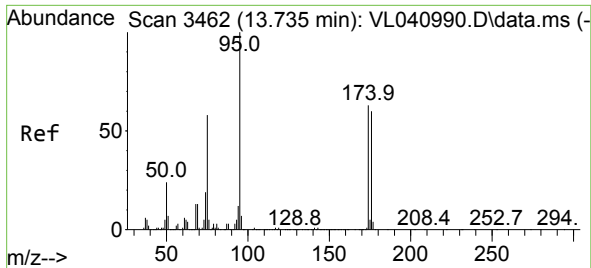
Ion Ratio Lower Upper

117 100

82 65.3 51.7 77.5

119 33.7 23.8 35.6





#68

1-Bromo-4-Fluorobenzene

Concen: 10.054 ppbv

RT: 13.773 min Scan# 34

Delta R.T. 0.013 min

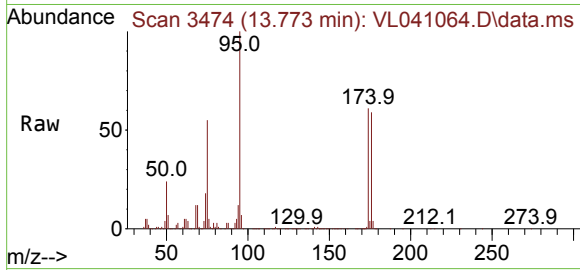
Lab File: VL041064.D

Acq: 9 Feb 2024 19:04

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion: 95 Resp: 2142095

Ion Ratio Lower Upper

95 100

174 63.9 49.1 73.7

175 4.8 3.7 5.5

