

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090523\
 Data File : VL040662.D
 Acq On : 6 Sep 2023 1:09
 Operator : SY/MD
 Sample : 04281-05DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 06 02:09:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Aug 16 05:43:50 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.185	49	740648	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	2024882	10.000	ppbv	-0.01
55) Chlorobenzene-d5	11.468	117	1775964	10.000	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	1439755	10.193	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.900%

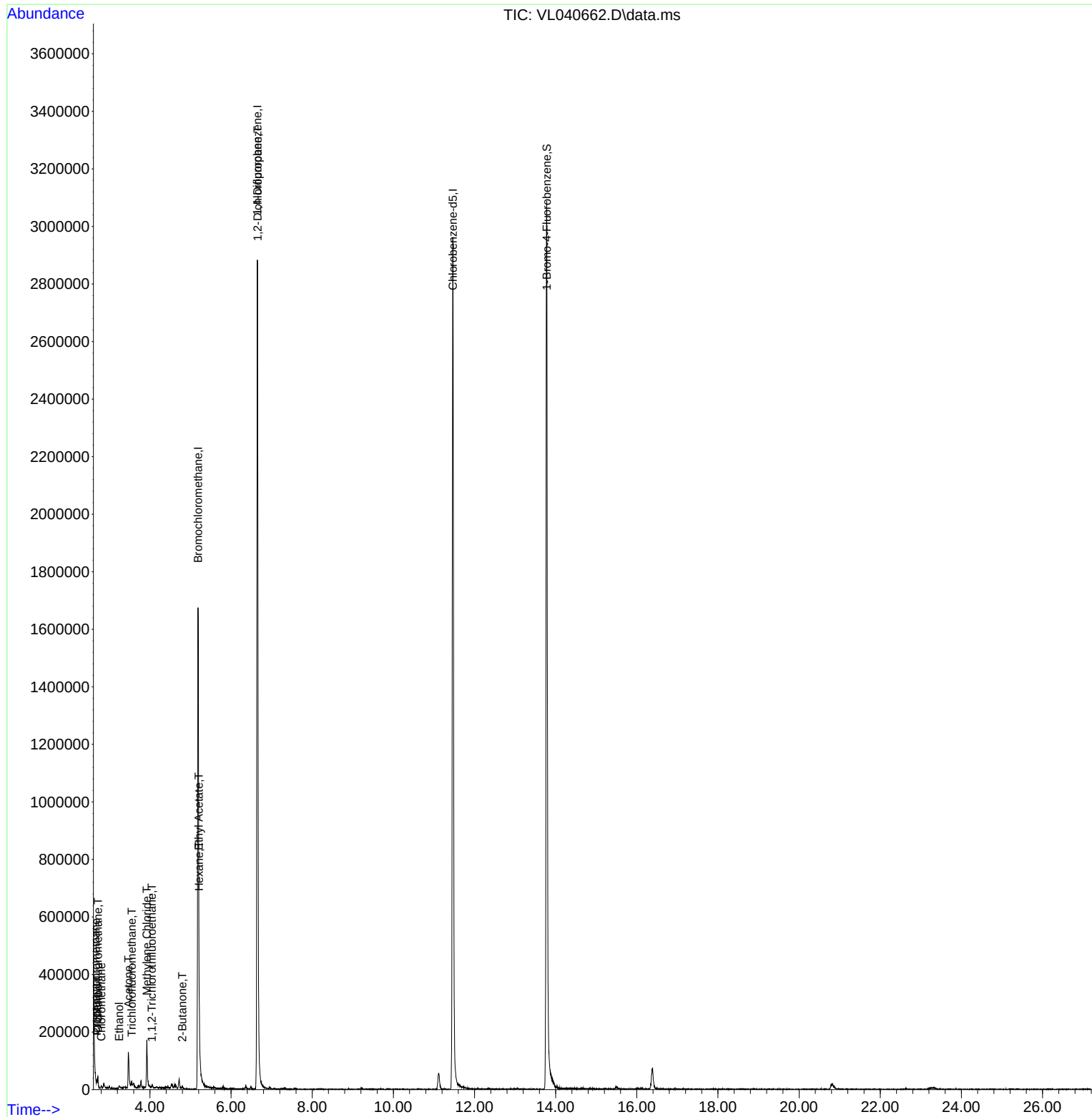
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.719	85	22185	0.139	ppbv	95
3) Chlorodifluoromethane	2.665	51	10673	0.088	ppbv #	87
4) Chloromethane	2.800	50	4868	0.103	ppbv #	88
9) Propene	2.697	41	5435	0.144	ppbv	84
11) Trichlorofluoromethane	3.552	101	11116	0.086	ppbv	95
12) 1,1,2-Trichlorotrifluo...	4.047	101	3027	0.032	ppbv #	81
13) Ethanol	3.240	45	3244	0.308	ppbv #	29
15) Acetone	3.468	43	127636	1.409	ppbv	92
20) Methylene Chloride	3.925	84	53810	1.215	ppbv	95
25) Ethyl Acetate	5.205	43	26871	0.158	ppbv #	74
26) Hexane	5.208	57	21388	0.260	ppbv #	35
34) 2-Butanone	4.796	43	5767	0.056	ppbv #	70
39) 1,2-Dichloropropane	6.652	63	518245	8.456	ppbv #	25

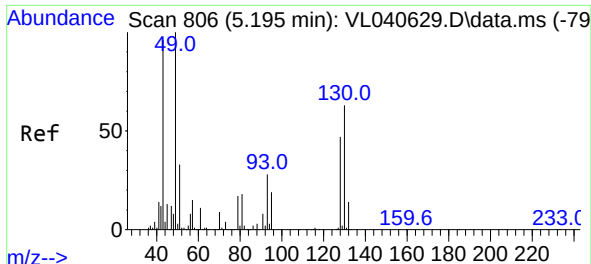
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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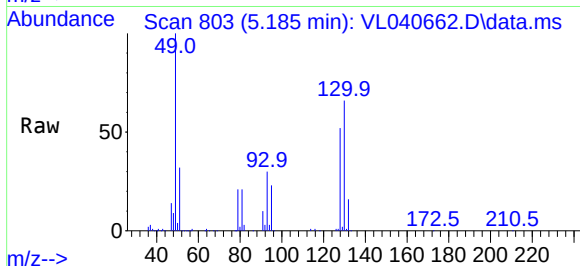
Quant Time: Sep 06 02:09:11 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Wed Aug 16 05:43:50 2023
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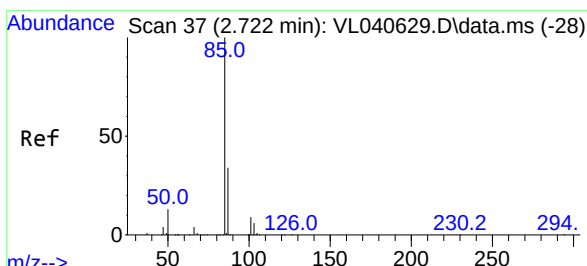
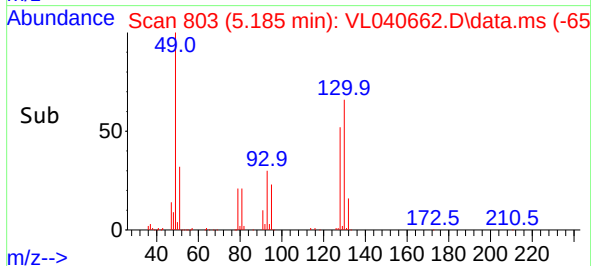
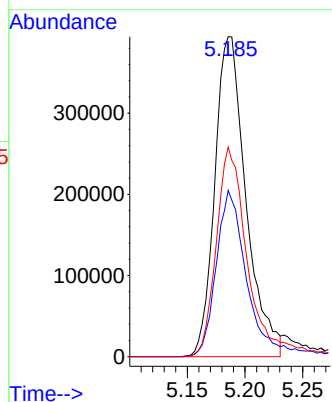


#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.185 min Scan# 80
 Delta R.T. -0.010 min
 Lab File: VL040662.D
 Acq: 6 Sep 2023 1:09

Instrument :
 MSVOA_L
 ClientSampleId :

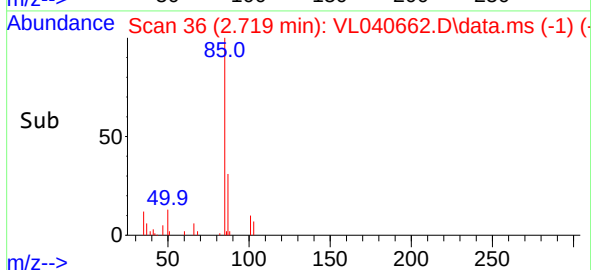
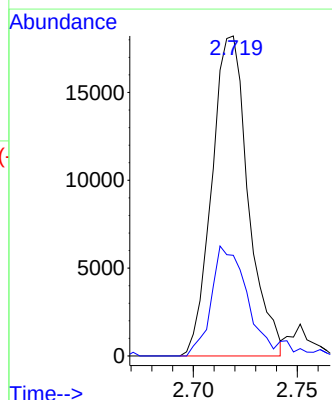
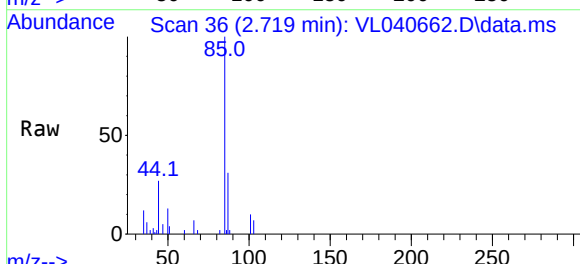


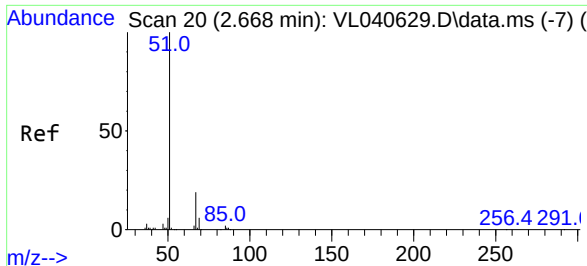
Tgt Ion: 49 Resp: 740648
 Ion Ratio Lower Upper
 49 100
 128 52.2 24.9 74.7
 130 66.9 32.2 96.6



#2
 Dichlorodifluoromethane
 Concen: 0.139 ppbv
 RT: 2.719 min Scan# 36
 Delta R.T. -0.003 min
 Lab File: VL040662.D
 Acq: 6 Sep 2023 1:09

Tgt Ion: 85 Resp: 22185
 Ion Ratio Lower Upper
 85 100
 87 31.5 27.5 41.3

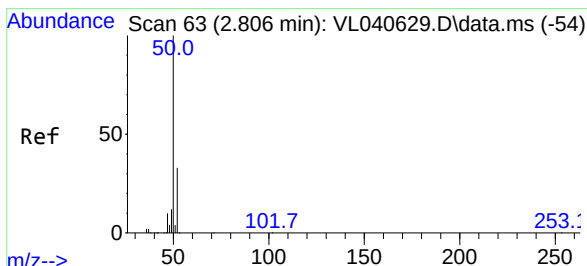
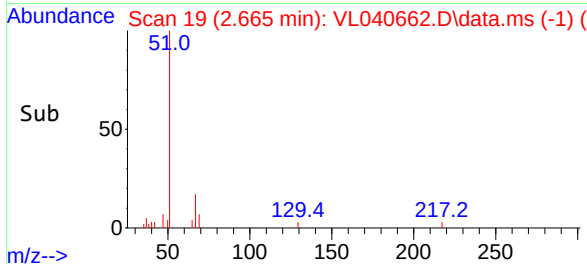
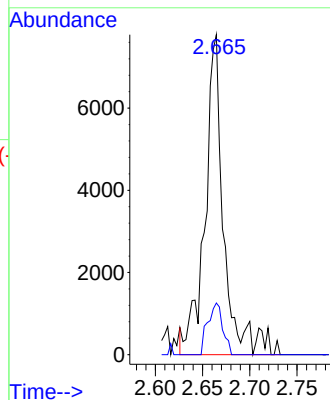
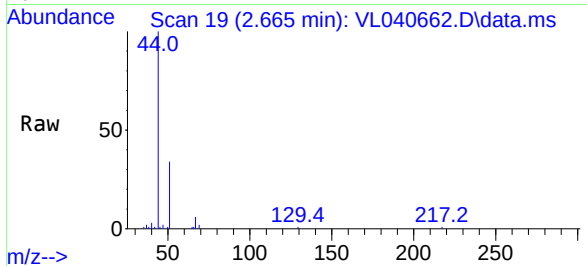




#3
Chlorodifluoromethane
Concen: 0.088 ppbv
RT: 2.665 min Scan# 19
Delta R.T. -0.003 min
Lab File: VL040662.D
Acq: 6 Sep 2023 1:09

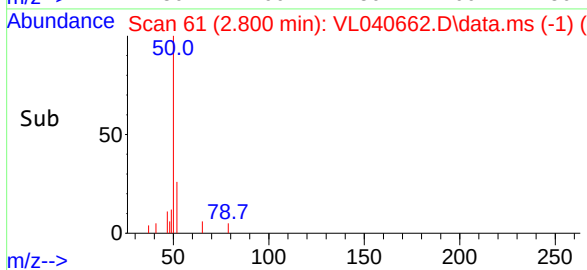
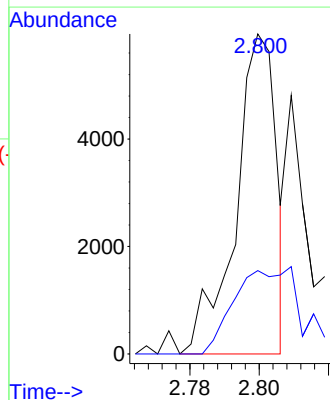
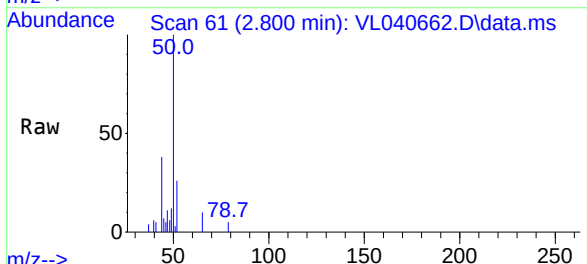
Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 10673
Ion Ratio Lower Upper
51 100
67 13.0 15.0 22.6#

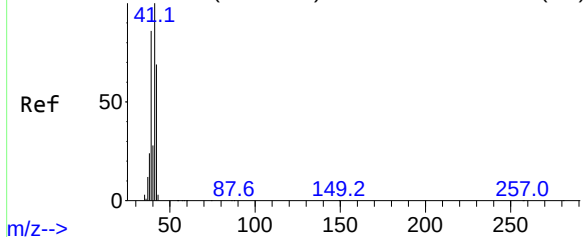


#4
Chloromethane
Concen: 0.103 ppbv
RT: 2.800 min Scan# 61
Delta R.T. -0.006 min
Lab File: VL040662.D
Acq: 6 Sep 2023 1:09

Tgt Ion: 50 Resp: 4868
Ion Ratio Lower Upper
50 100
52 26.0 26.2 39.2#



Abundance Scan 26 (2.687 min): VL040629.D\data.ms (-17)



#9

Propene

Concen: 0.144 ppbv

RT: 2.697 min Scan# 29

Delta R.T. 0.010 min

Lab File: VL040662.D

Acq: 6 Sep 2023 1:09

Instrument :

MSVOA_L

ClientSampleId :

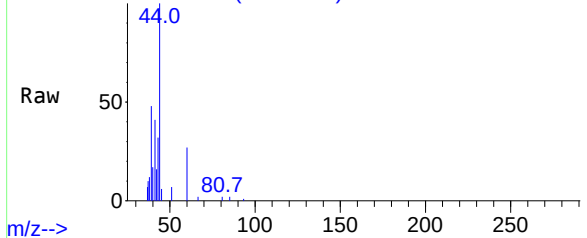
Tgt Ion: 41 Resp: 5435

Ion Ratio Lower Upper

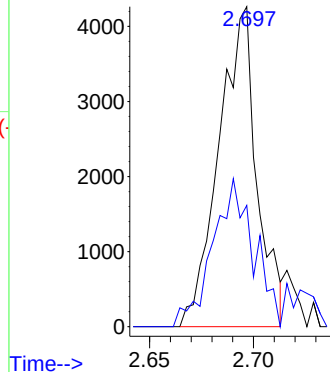
41 100

42 57.6 56.5 84.7

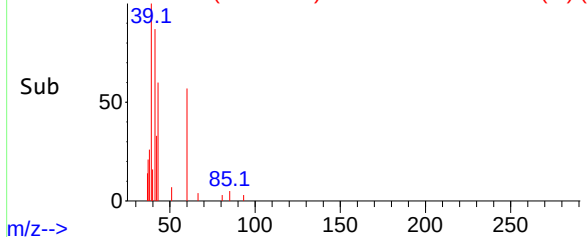
Abundance Scan 29 (2.697 min): VL040662.D\data.ms



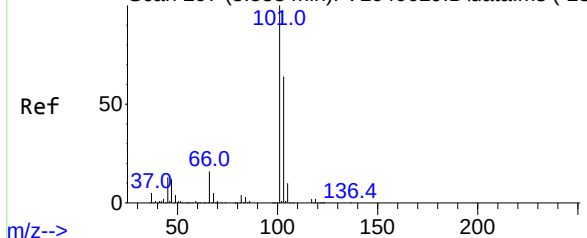
Abundance



Abundance Scan 29 (2.697 min): VL040662.D\data.ms (-1) (-



Abundance Scan 297 (3.558 min): VL040629.D\data.ms (-28



#11

Trichlorofluoromethane

Concen: 0.086 ppbv

RT: 3.552 min Scan# 295

Delta R.T. -0.006 min

Lab File: VL040662.D

Acq: 6 Sep 2023 1:09

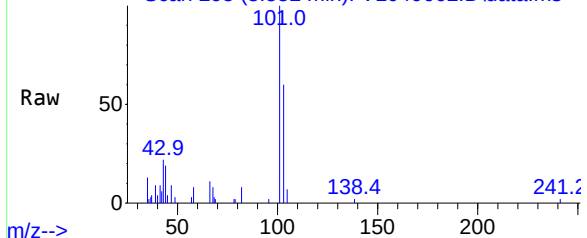
Tgt Ion:101 Resp: 11116

Ion Ratio Lower Upper

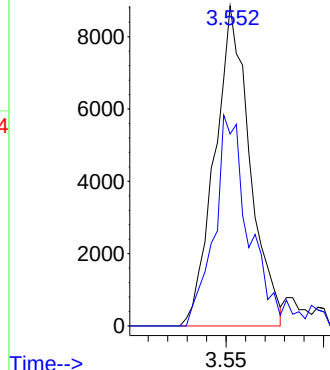
101 100

103 60.0 51.1 76.7

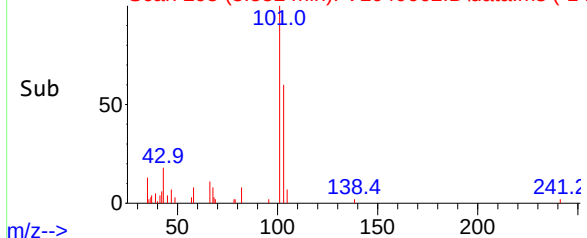
Abundance Scan 295 (3.552 min): VL040662.D\data.ms

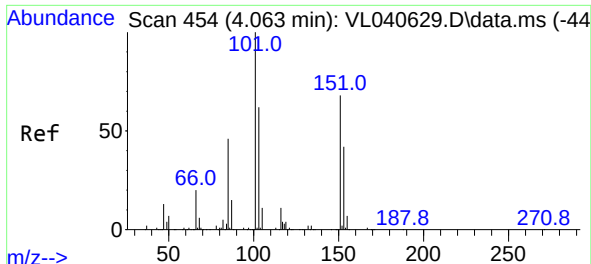


Abundance



Abundance Scan 295 (3.552 min): VL040662.D\data.ms (-14

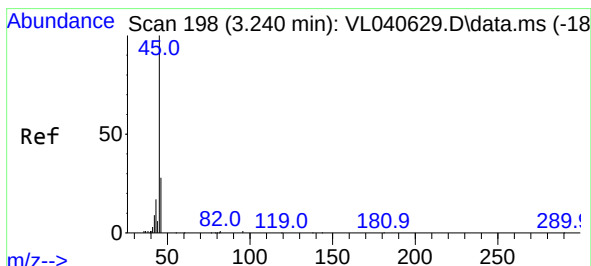
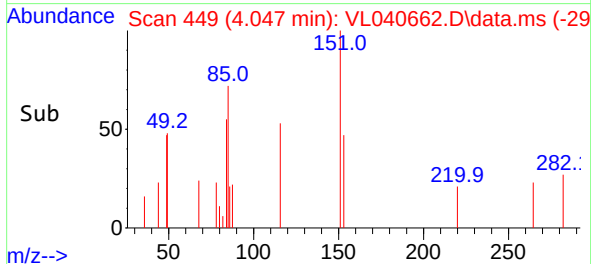
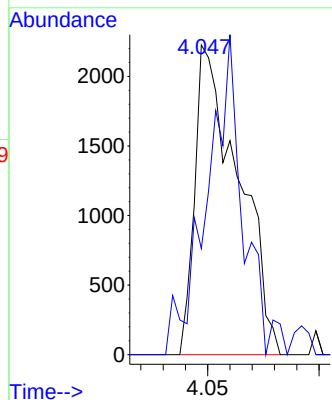
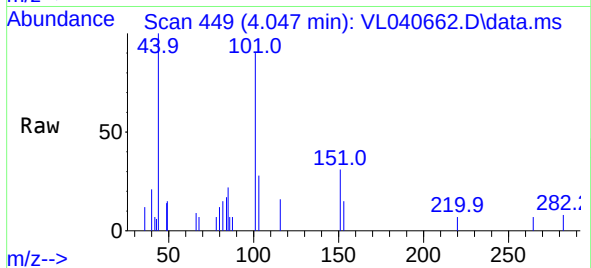




#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.032 ppbv
RT: 4.047 min Scan# 44
Delta R.T. -0.016 min
Lab File: VL040662.D
Acq: 6 Sep 2023 1:09

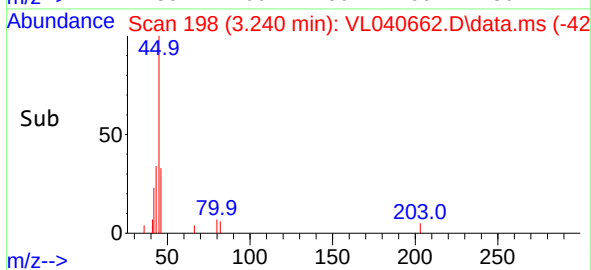
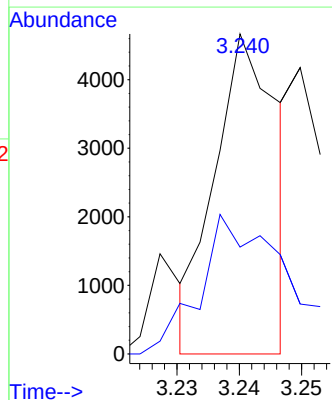
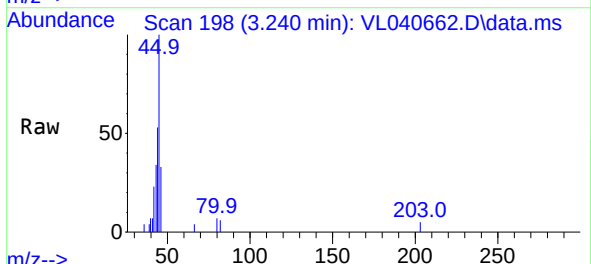
Instrument :
MSVOA_L
ClientSampleId :

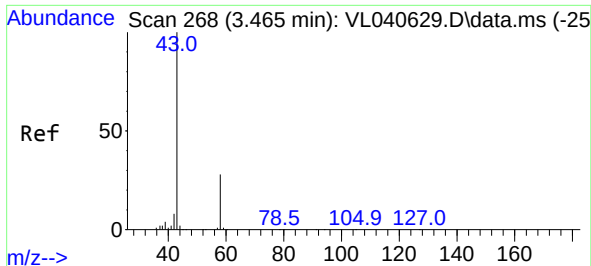
Tgt Ion:101 Resp: 3027
Ion Ratio Lower Upper
101 100
151 85.5 56.2 84.2#



#13
Ethanol
Concen: 0.308 ppbv
RT: 3.240 min Scan# 198
Delta R.T. -0.000 min
Lab File: VL040662.D
Acq: 6 Sep 2023 1:09

Tgt Ion: 45 Resp: 3244
Ion Ratio Lower Upper
45 100
46 76.8 14.2 56.6#

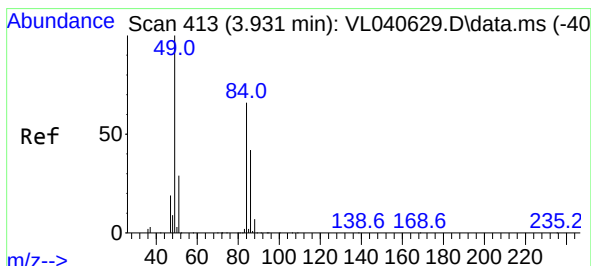
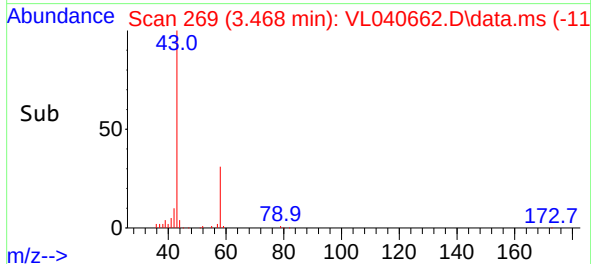
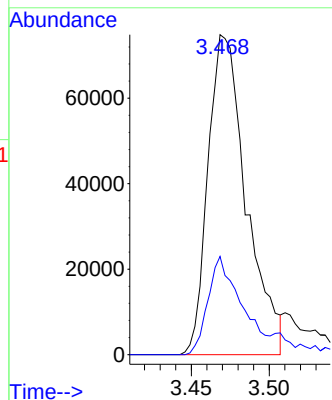
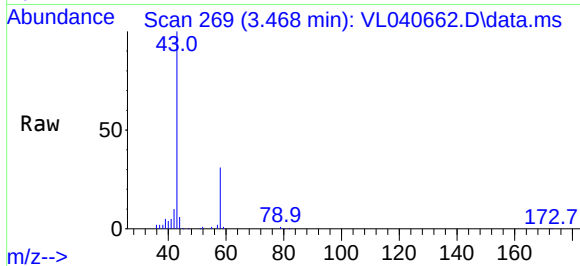




#15
Acetone
Concen: 1.409 ppbv
RT: 3.468 min Scan# 20
Delta R.T. 0.003 min
Lab File: VL040662.D
Acq: 6 Sep 2023 1:09

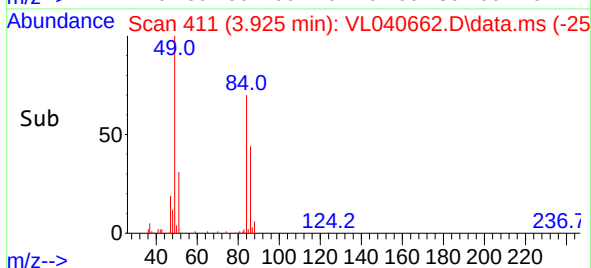
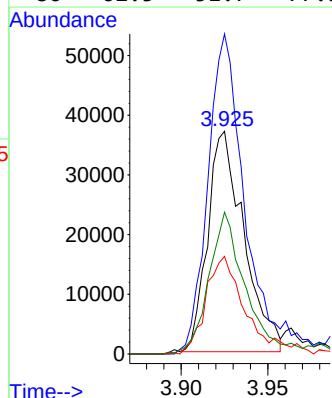
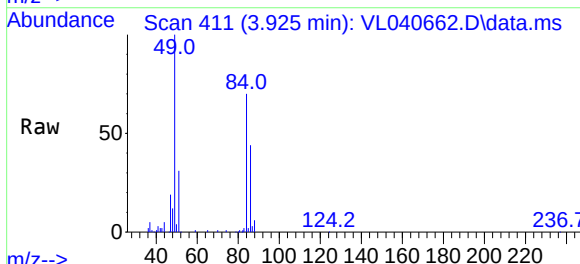
Instrument :
MSVOA_L
ClientSampleId :

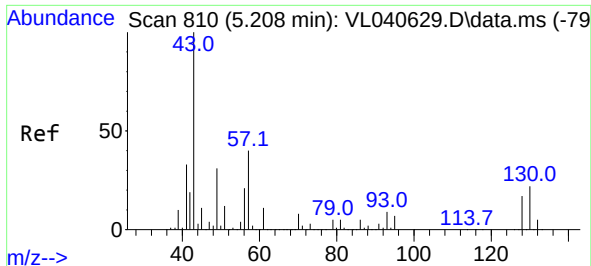
Tgt Ion: 43 Resp: 127636
Ion Ratio Lower Upper
43 100
58 32.4 22.4 33.6



#20
Methylene Chloride
Concen: 1.215 ppbv
RT: 3.925 min Scan# 411
Delta R.T. -0.006 min
Lab File: VL040662.D
Acq: 6 Sep 2023 1:09

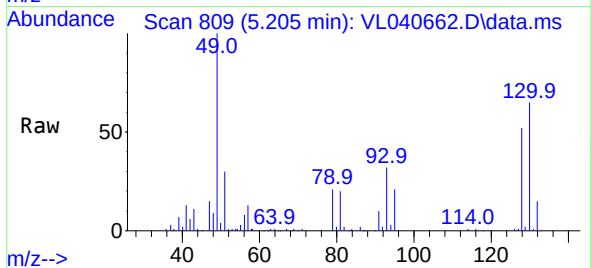
Tgt Ion: 84 Resp: 53810
Ion Ratio Lower Upper
84 100
49 143.0 122.1 183.1
51 44.3 35.4 53.2
86 62.5 51.7 77.5



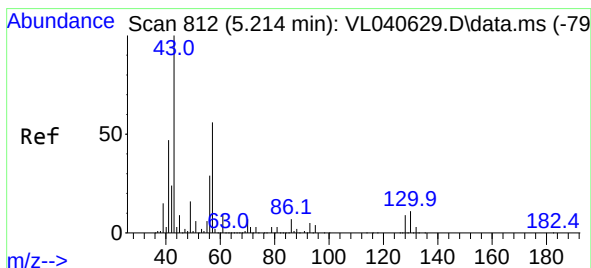
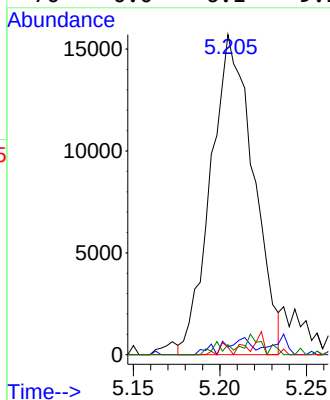
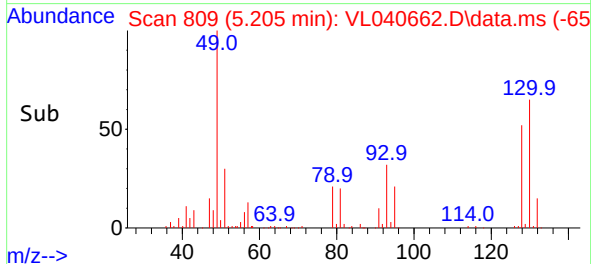


#25
Ethyl Acetate
Concen: 0.158 ppbv
RT: 5.205 min Scan# 80
Delta R.T. -0.003 min
Lab File: VL040662.D
Acq: 6 Sep 2023 1:09

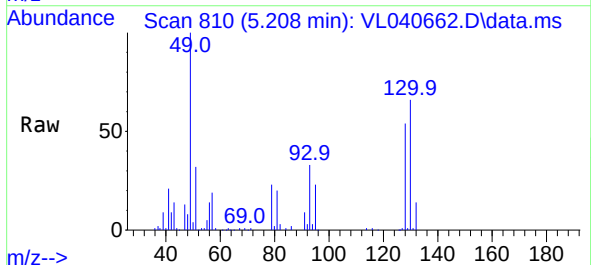
Instrument :
MSVOA_L
ClientSampleId :



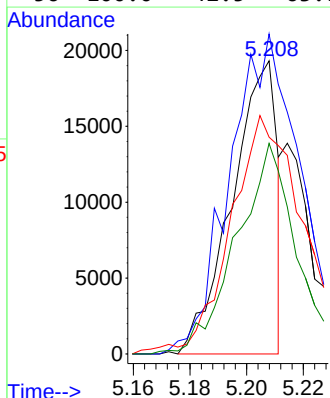
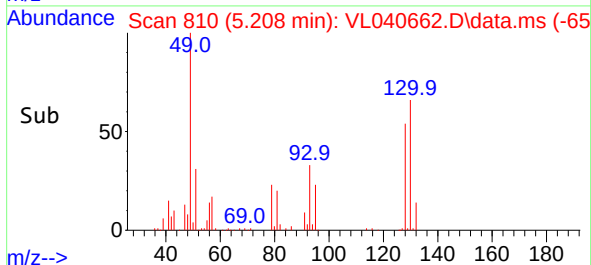
Tgt Ion: 43 Resp: 26871
Ion Ratio Lower Upper
43 100
45 0.0 8.2 12.4#
61 0.0 8.3 12.5#
70 0.0 6.1 9.1#

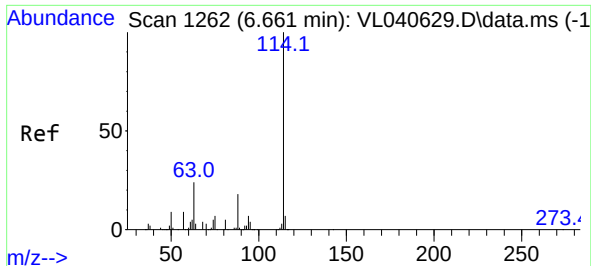


#26
Hexane
Concen: 0.260 ppbv
RT: 5.208 min Scan# 810
Delta R.T. -0.006 min
Lab File: VL040662.D
Acq: 6 Sep 2023 1:09



Tgt Ion: 57 Resp: 21388
Ion Ratio Lower Upper
57 100
41 183.0 69.3 103.9#
43 141.9 177.9 266.9#
56 100.0 42.5 63.7#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.648 min Scan# 11

Delta R.T. -0.013 min

Lab File: VL040662.D

Acq: 6 Sep 2023 1:09

Instrument :

MSVOA_L

ClientSampleId :

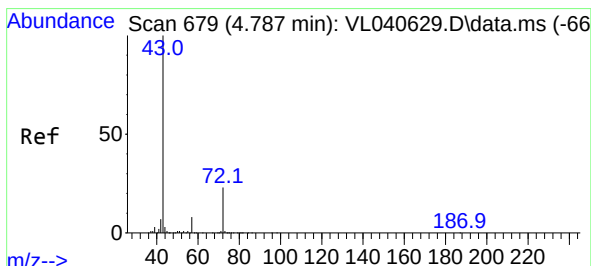
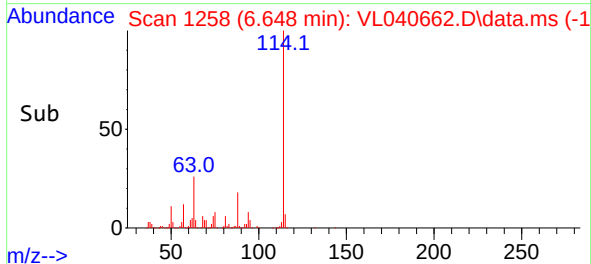
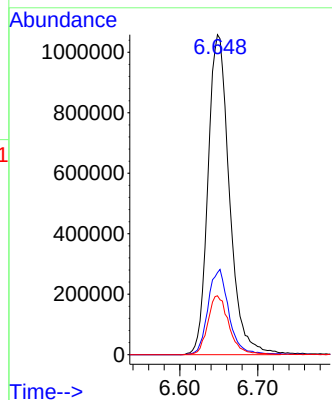
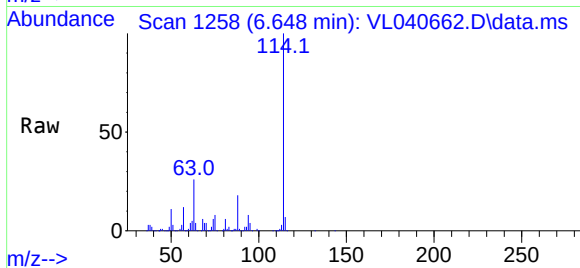
Tgt Ion:114 Resp: 2024882

Ion Ratio Lower Upper

114 100

63 26.2 20.2 30.2

88 18.3 14.1 21.1



#34

2-Butanone

Concen: 0.056 ppbv

RT: 4.796 min Scan# 682

Delta R.T. 0.010 min

Lab File: VL040662.D

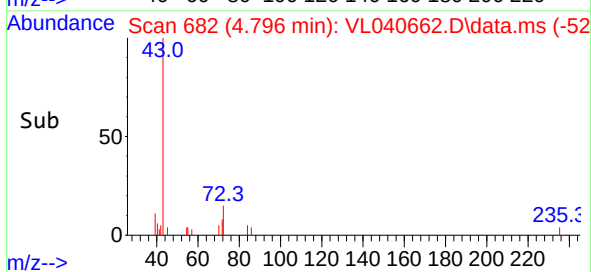
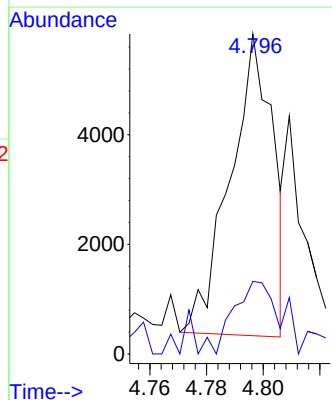
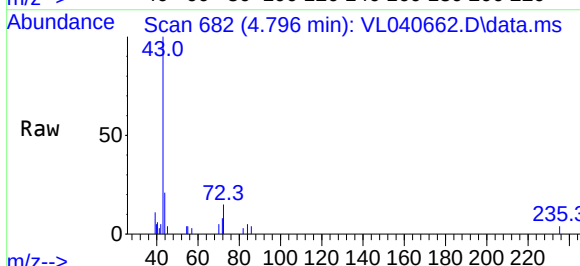
Acq: 6 Sep 2023 1:09

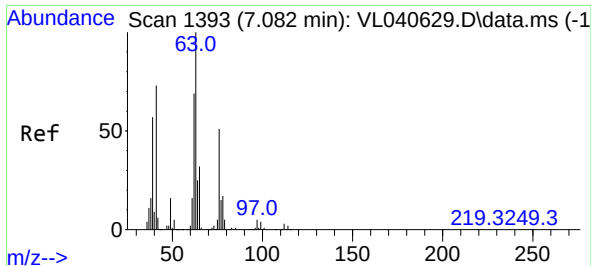
Tgt Ion: 43 Resp: 5767

Ion Ratio Lower Upper

43 100

72 38.6 19.2 28.8#





#39

1,2-Dichloropropane

Concen: 8.456 ppbv

RT: 6.652 min Scan# 1

Delta R.T. -0.431 min

Lab File: VL040662.D

Acq: 6 Sep 2023 1:09

Instrument :

MSVOA_L

ClientSampleId :

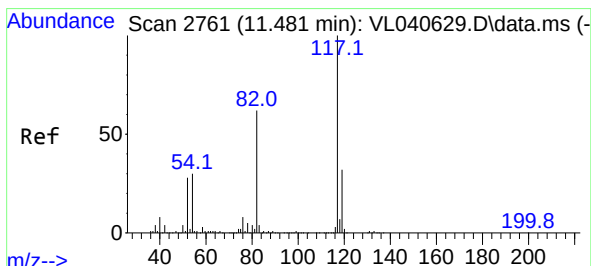
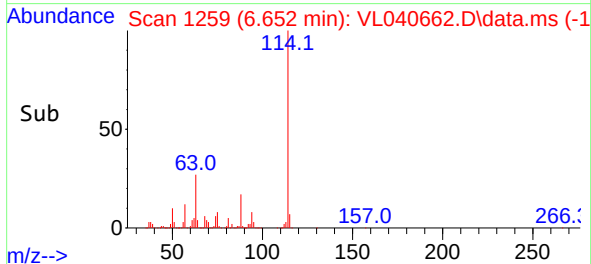
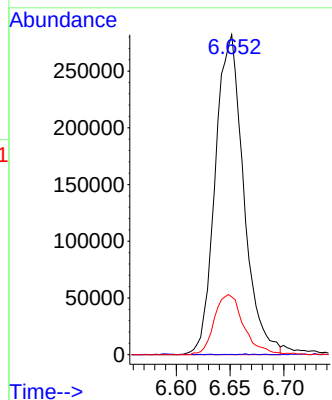
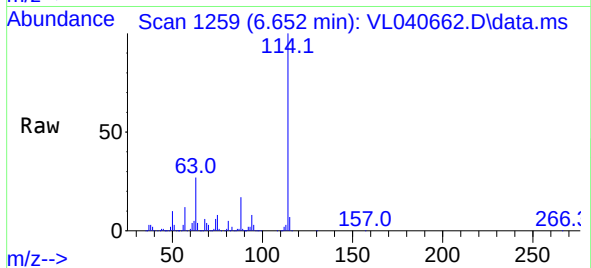
Tgt Ion: 63 Resp: 518245

Ion Ratio Lower Upper

63 100

41 0.1 58.2 87.2#

62 18.0 55.0 82.4#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.468 min Scan# 2757

Delta R.T. -0.013 min

Lab File: VL040662.D

Acq: 6 Sep 2023 1:09

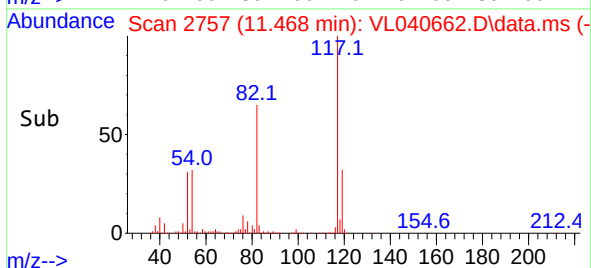
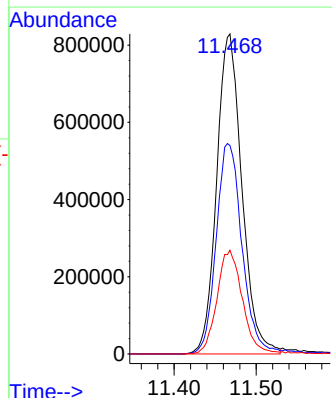
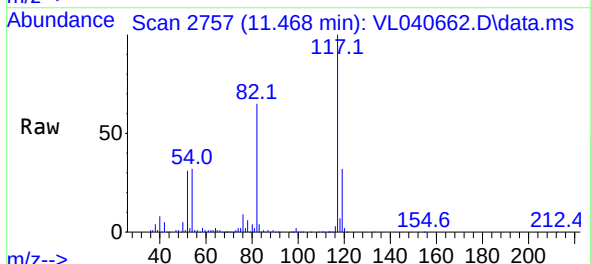
Tgt Ion: 117 Resp: 1775964

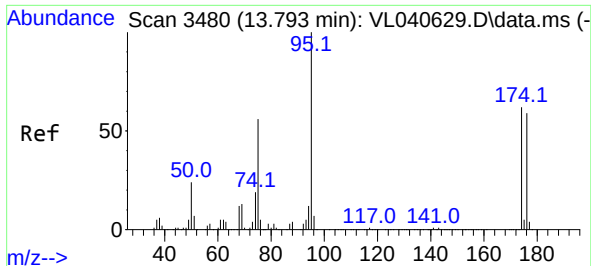
Ion Ratio Lower Upper

117 100

82 67.8 49.5 74.3

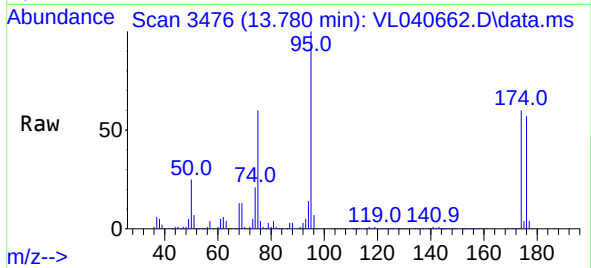
119 33.1 24.5 36.7





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.193 ppbv
 RT: 13.780 min Scan# 34
 Delta R.T. -0.013 min
 Lab File: VL040662.D
 Acq: 6 Sep 2023 1:09

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion: 95 Resp: 1439755

Ion	Ratio	Lower	Upper
95	100		
174	62.5	49.1	73.7
175	4.3	3.7	5.5

