

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020924\
 Data File : VL041059.D
 Acq On : 9 Feb 2024 15:44
 Operator : SY/MD
 Sample : P1420-03DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA3DUPDL

Quant Time: Feb 12 00:47:48 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)

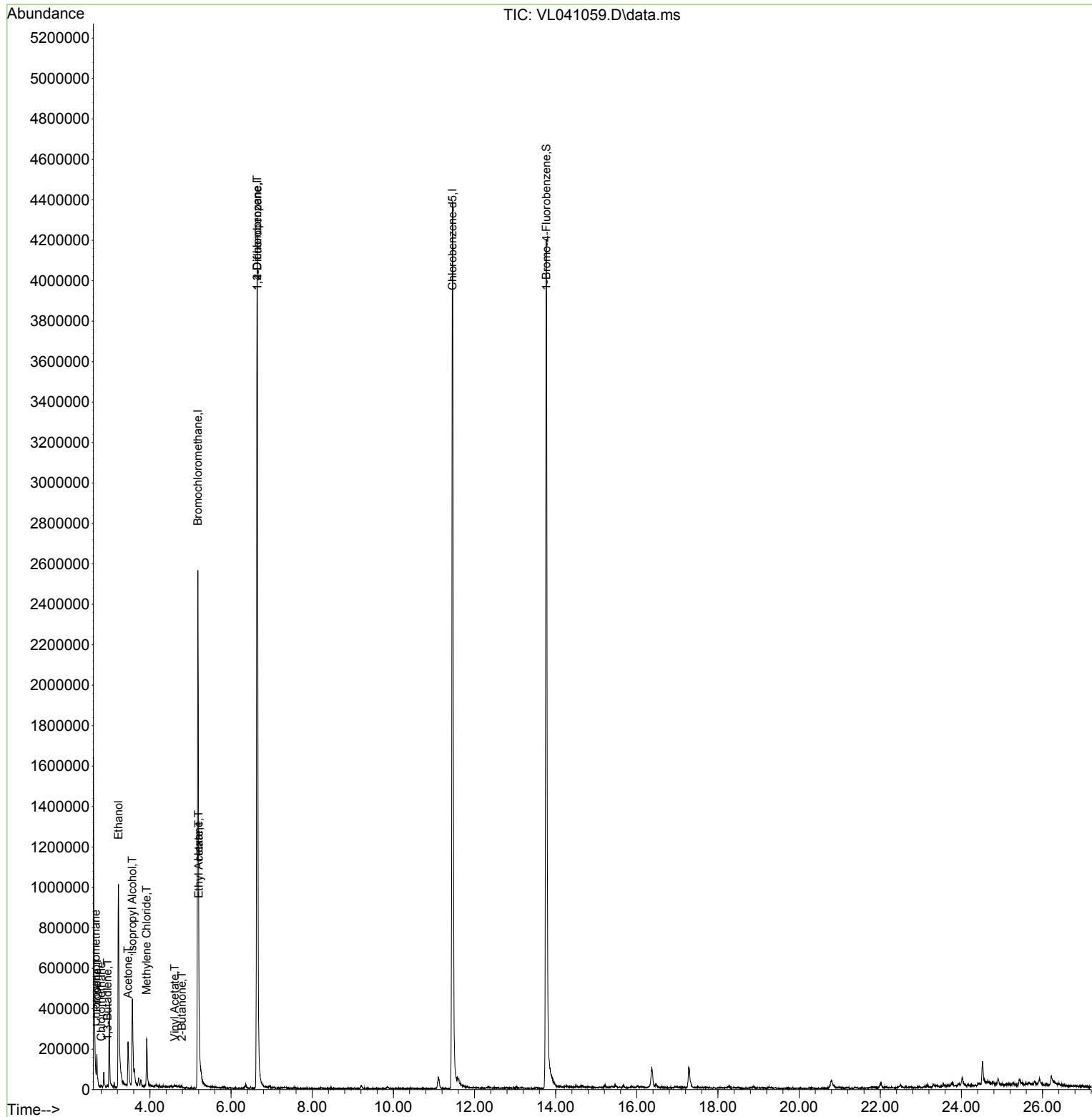
Internal Standards						
1) Bromochloromethane	5.182	49	1216145	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	3409061	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.459	117	3042516	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.770	95	2248145	9.783	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.800%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	2.665	51	8373	0.041	ppbv	93
4) Chloromethane	2.800	50	7013	0.091	ppbv #	85
9) Propene	2.694	41	29316	0.437	ppbv #	71
13) Ethanol	3.224	45	1073316	67.123	ppbv	95
15) Acetone	3.459	43	215943	1.389	ppbv	100
16) 1,3-Butadiene	2.954	39	1658	0.022	ppbv #	10
19) Isopropyl Alcohol	3.568	45	501172	5.567	ppbv	99
20) Methylene Chloride	3.922	84	81175	1.356	ppbv #	88
23) Vinyl Acetate	4.610	43	4190	0.026	ppbv #	65
25) Ethyl Acetate	5.205	43	35030	0.124	ppbv #	81
26) Hexane	5.202	57	45232	0.376	ppbv #	43
34) 2-Butanone	4.787	43	10697	0.066	ppbv	97
39) 1,2-Dichloropropane	6.642	63	786040	7.087	ppbv #	24

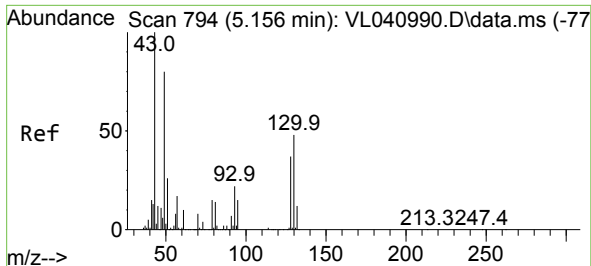
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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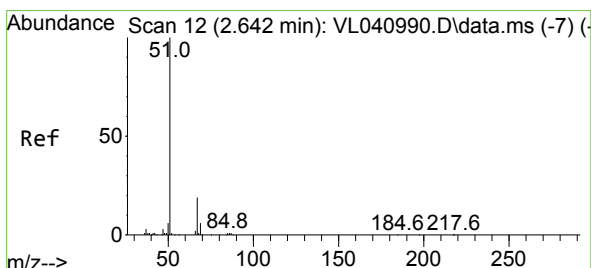
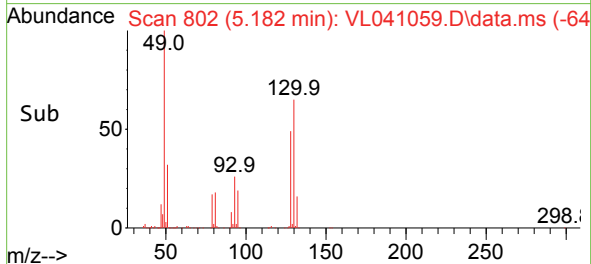
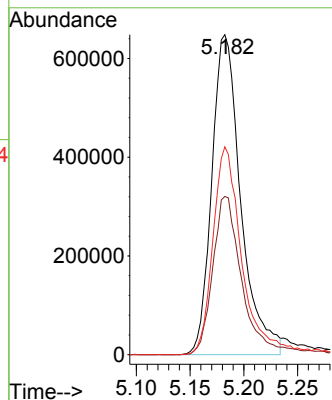
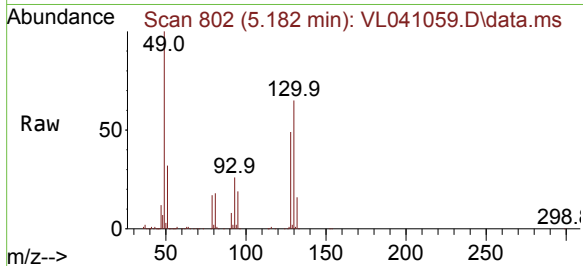




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.182 min Scan# 80
 Delta R.T. 0.006 min
 Lab File: VL041059.D
 Acq: 9 Feb 2024 15:44

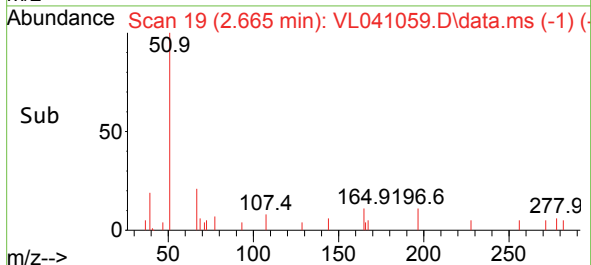
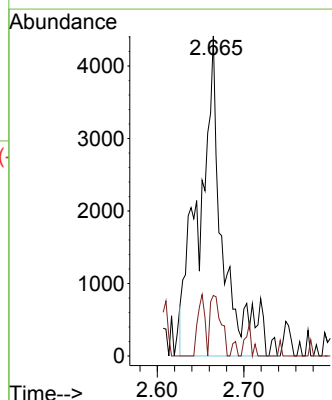
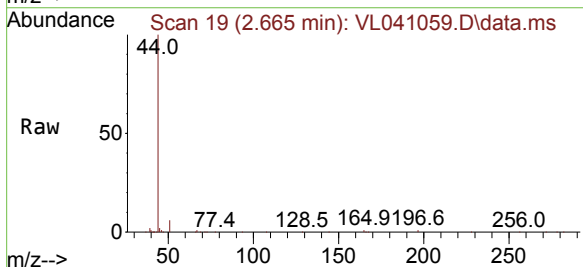
Instrument :
 MSVOA_L
 ClientSampleId :
 IA3DUPDL

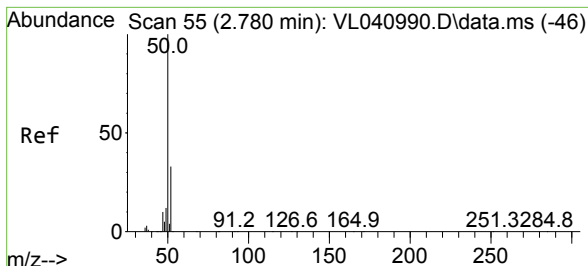
Tgt Ion: 49 Resp: 1216145
 Ion Ratio Lower Upper
 49 100
 128 51.3 23.9 71.7
 130 67.9 31.1 93.5



#3
 Chlorodifluoromethane
 Concen: 0.041 ppbv
 RT: 2.665 min Scan# 19
 Delta R.T. 0.003 min
 Lab File: VL041059.D
 Acq: 9 Feb 2024 15:44

Tgt Ion: 51 Resp: 8373
 Ion Ratio Lower Upper
 51 100
 67 15.2 14.8 22.2

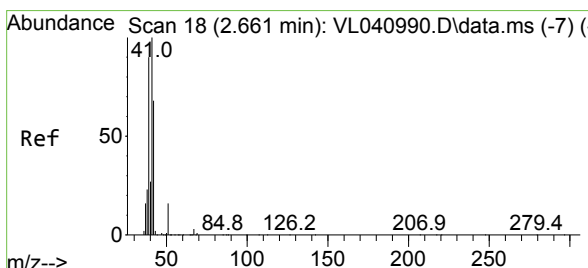
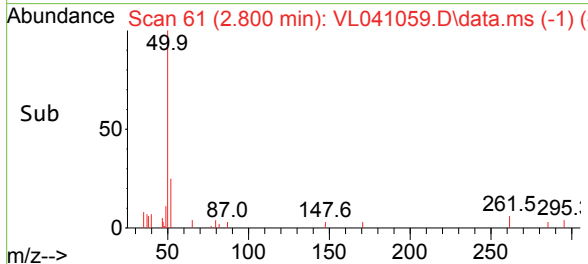
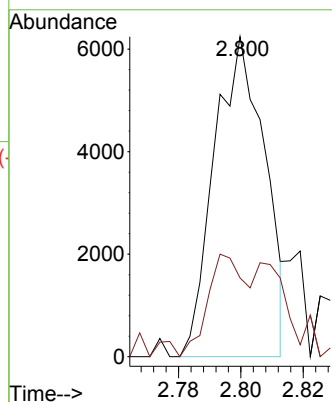
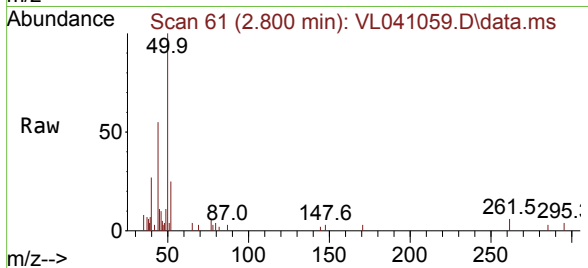




#4
Chloromethane
Concen: 0.091 ppbv
RT: 2.800 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL041059.D
Acq: 9 Feb 2024 15:44

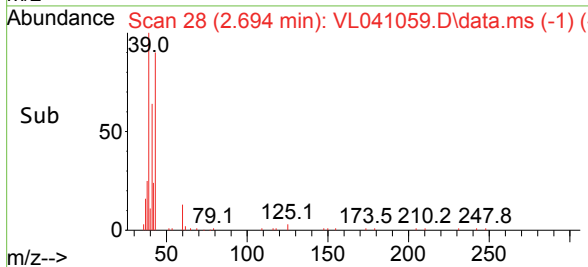
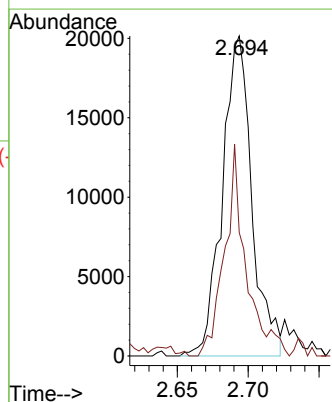
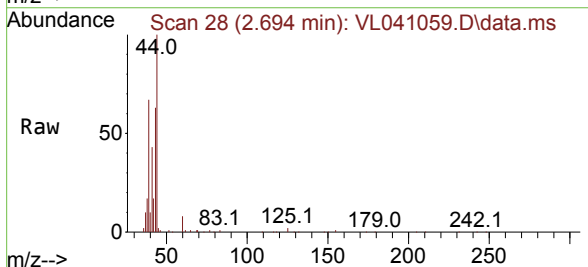
Instrument :
MSVOA_L
ClientSampleId :
IA3DUPDL

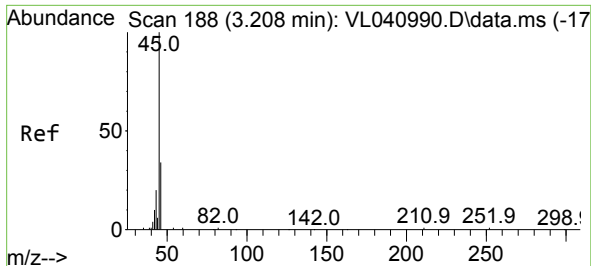
Tgt Ion: 50 Resp: 7013
Ion Ratio Lower Upper
50 100
52 24.6 26.2 39.4#



#9
Propene
Concen: 0.437 ppbv
RT: 2.694 min Scan# 28
Delta R.T. 0.016 min
Lab File: VL041059.D
Acq: 9 Feb 2024 15:44

Tgt Ion: 41 Resp: 29316
Ion Ratio Lower Upper
41 100
42 49.4 59.0 88.4#

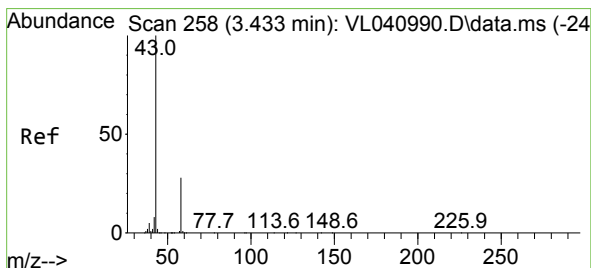
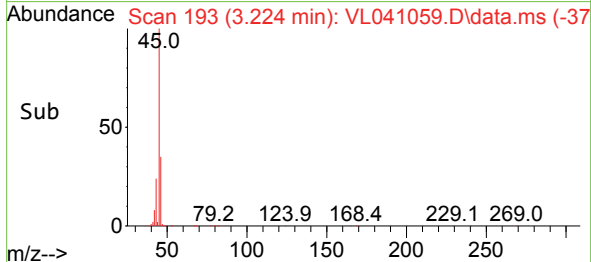
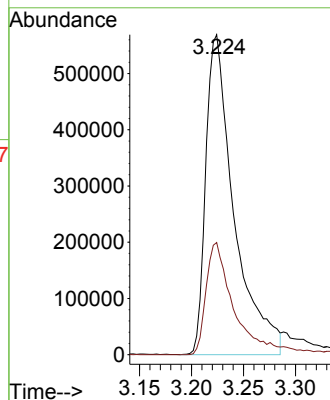
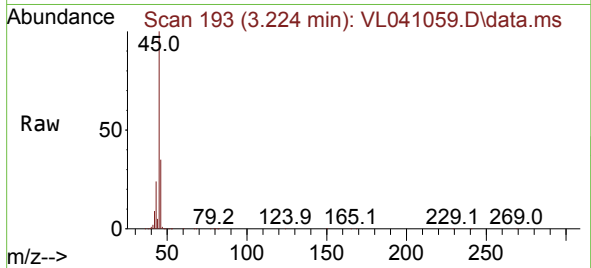




#13
Ethanol
Concen: 67.123 ppbv
RT: 3.224 min Scan# 193
Delta R.T. 0.000 min
Lab File: VL041059.D
Acq: 9 Feb 2024 15:44

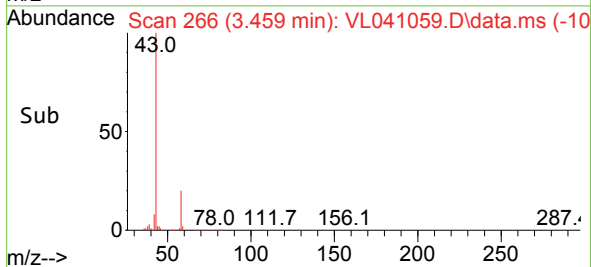
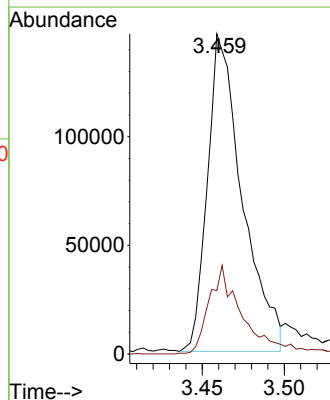
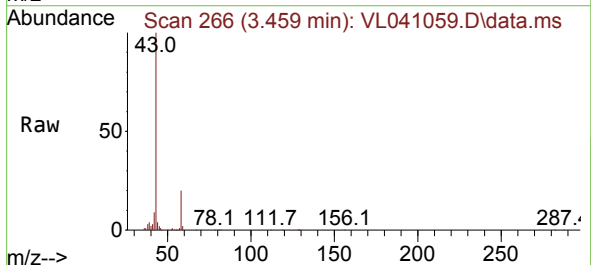
Instrument :
MSVOA_L
ClientSampleId :
IA3DUPDL

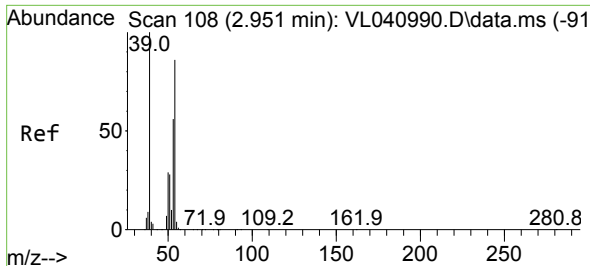
Tgt Ion: 45 Resp: 1073316
Ion Ratio Lower Upper
45 100
46 37.6 16.2 64.8



#15
Acetone
Concen: 1.389 ppbv
RT: 3.459 min Scan# 266
Delta R.T. 0.007 min
Lab File: VL041059.D
Acq: 9 Feb 2024 15:44

Tgt Ion: 43 Resp: 215943
Ion Ratio Lower Upper
43 100
58 27.6 22.2 33.2

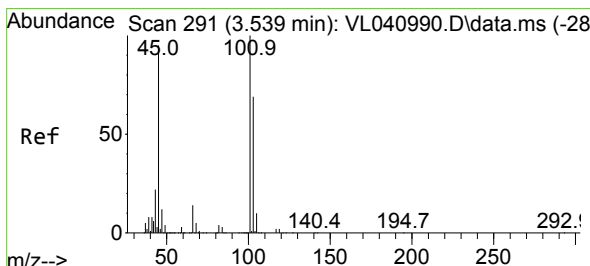
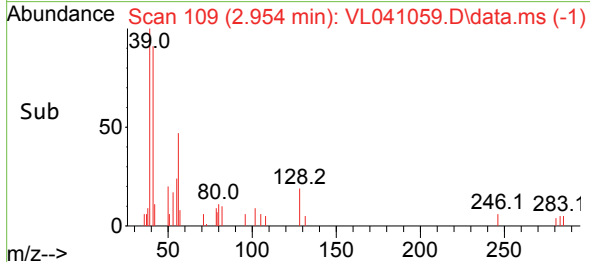
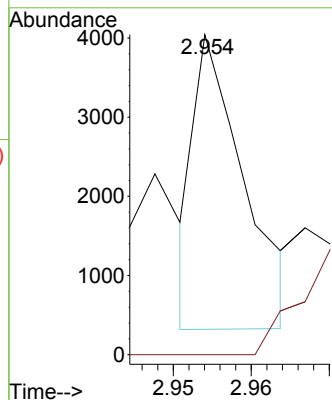
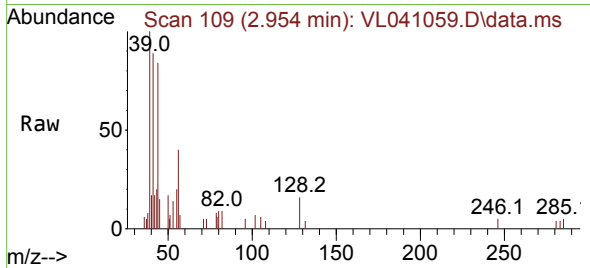




#16
1,3-Butadiene
Concen: 0.022 ppbv
RT: 2.954 min Scan# 10
Delta R.T. -0.016 min
Lab File: VL041059.D
Acq: 9 Feb 2024 15:44

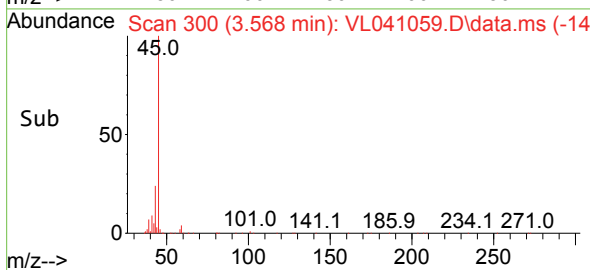
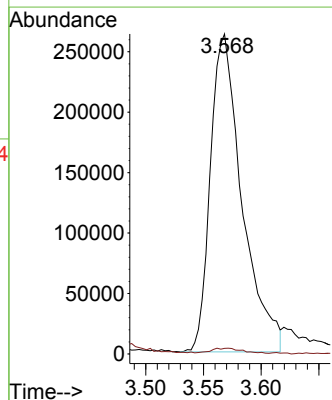
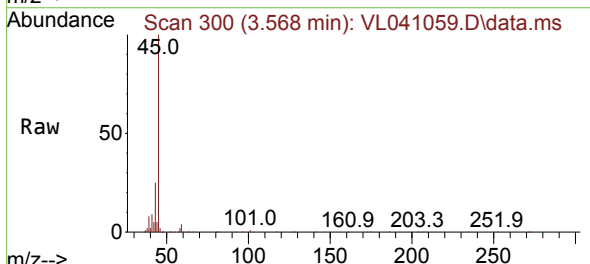
Instrument :
MSVOA_L
ClientSampleId :
IA3DUPDL

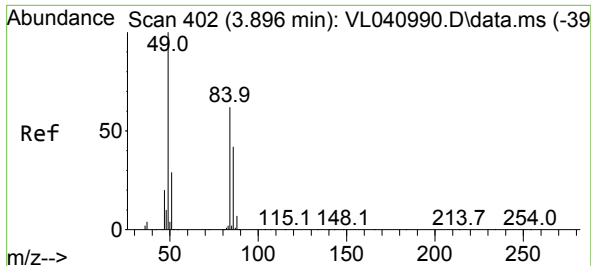
Tgt Ion: 39 Resp: 1658
Ion Ratio Lower Upper
39 100
54 0.0 62.7 94.1#



#19
Isopropyl Alcohol
Concen: 5.567 ppbv
RT: 3.568 min Scan# 300
Delta R.T. 0.007 min
Lab File: VL041059.D
Acq: 9 Feb 2024 15:44

Tgt Ion: 45 Resp: 501172
Ion Ratio Lower Upper
45 100
58 2.3 2.2 3.4

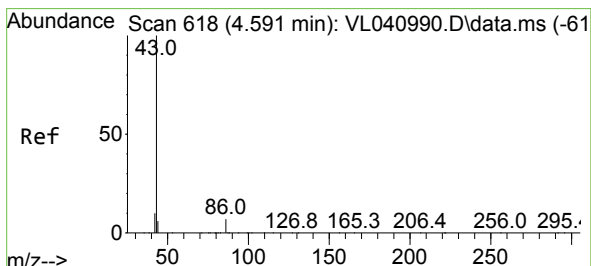
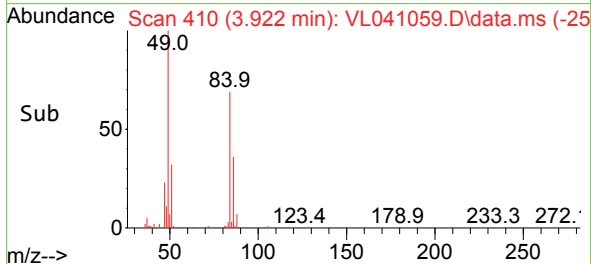
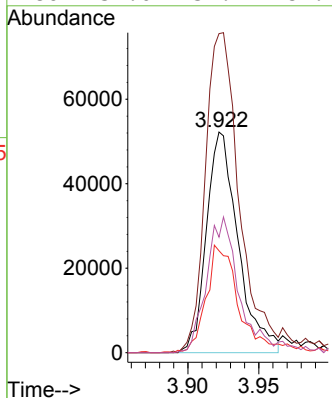
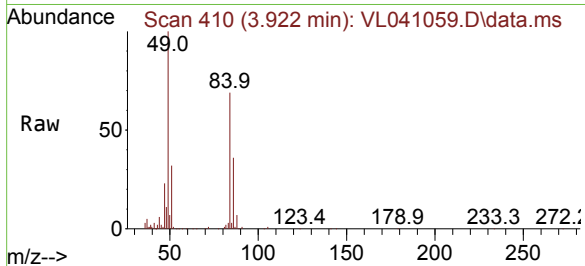




#20
Methylene Chloride
Concen: 1.356 ppbv
RT: 3.922 min Scan# 410
Delta R.T. 0.003 min
Lab File: VL041059.D
Acq: 9 Feb 2024 15:44

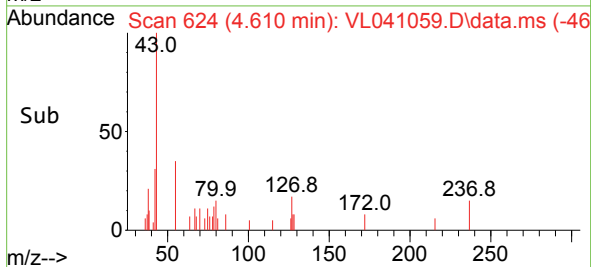
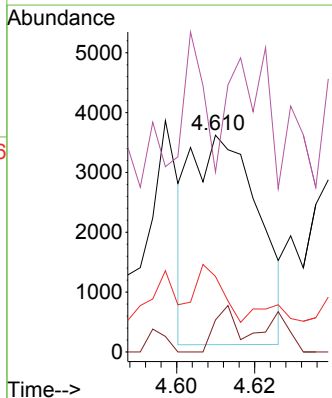
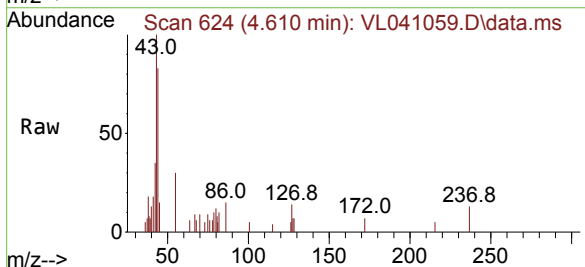
Instrument :
MSVOA_L
ClientSampleId :
IA3DUPDL

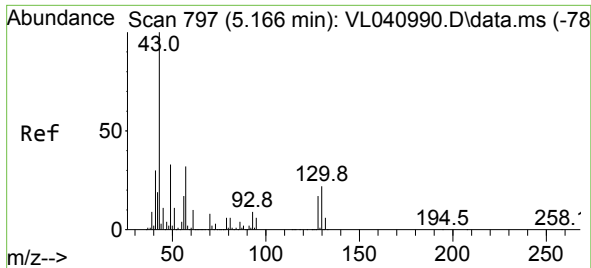
Tgt Ion: 84 Resp: 81175
Ion Ratio Lower Upper
84 100
49 144.5 128.1 192.1
51 44.7 36.5 54.7
86 52.0 54.1 81.1#



#23
Vinyl Acetate
Concen: 0.026 ppbv
RT: 4.610 min Scan# 624
Delta R.T. -0.003 min
Lab File: VL041059.D
Acq: 9 Feb 2024 15:44

Tgt Ion: 43 Resp: 4190
Ion Ratio Lower Upper
43 100
86 25.5 5.4 8.0#
42 22.7 8.6 13.0#
44 0.0 4.3 6.5#

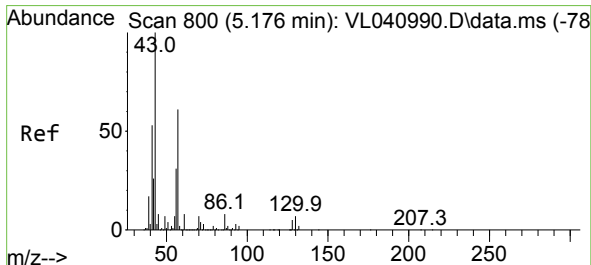
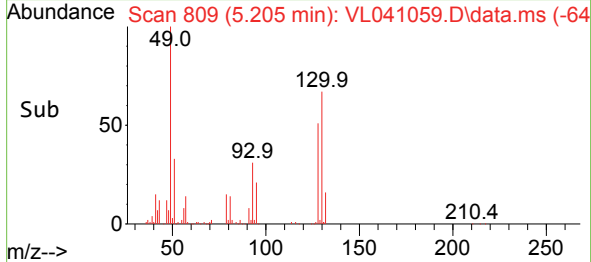
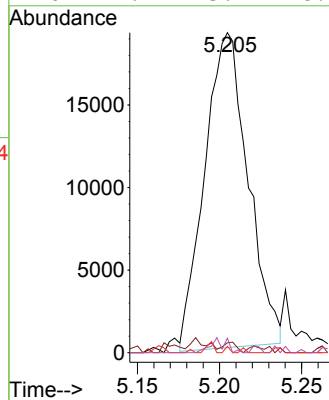
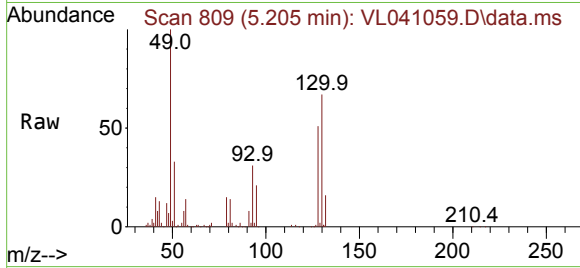




#25
Ethyl Acetate
Concen: 0.124 ppbv
RT: 5.205 min Scan# 809
Delta R.T. 0.013 min
Lab File: VL041059.D
Acq: 9 Feb 2024 15:44

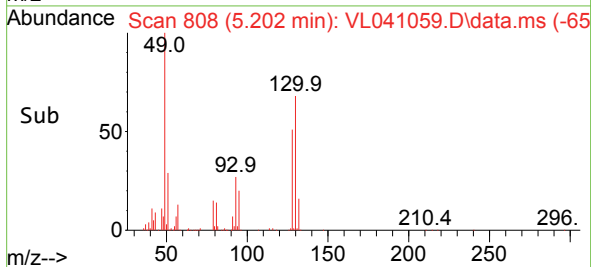
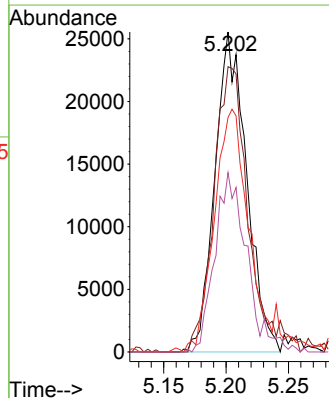
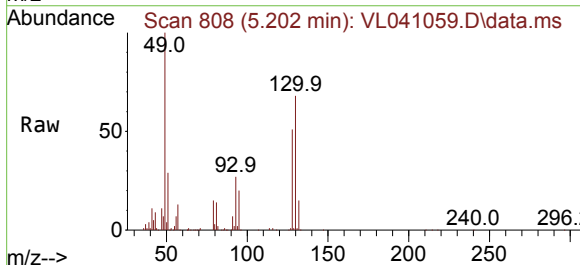
Instrument :
MSVOA_L
ClientSampleId :
IA3DUPDL

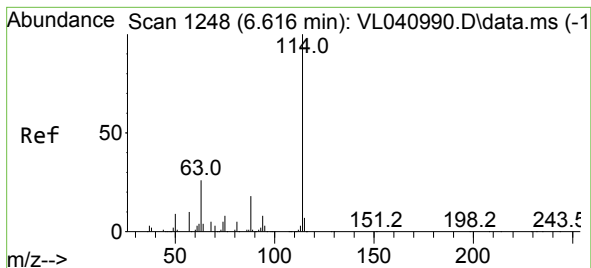
Tgt Ion:	43	Resp:	35030
Ion Ratio	Lower	Upper	
43	100		
45	4.9	8.2	12.4#
61	0.0	7.9	11.9#
70	1.7	5.4	8.2#



#26
Hexane
Concen: 0.376 ppbv
RT: 5.202 min Scan# 808
Delta R.T. 0.003 min
Lab File: VL041059.D
Acq: 9 Feb 2024 15:44

Tgt Ion:	57	Resp:	45232
Ion Ratio	Lower	Upper	
57	100		
41	98.3	74.4	111.6
43	86.6	190.6	285.8#
56	56.7	43.0	64.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.645 min Scan# 114

Delta R.T. 0.003 min

Lab File: VL041059.D

Acq: 9 Feb 2024 15:44

Instrument :

MSVOA_L

ClientSampleId :

IA3DUPDL

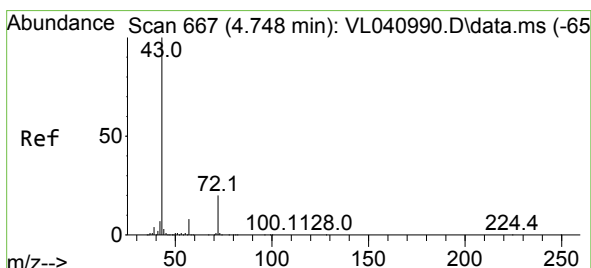
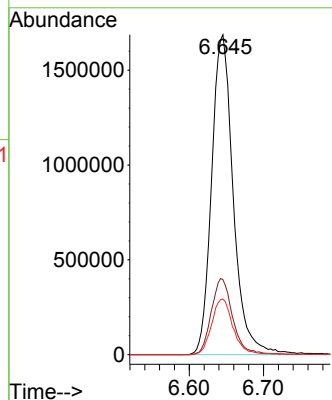
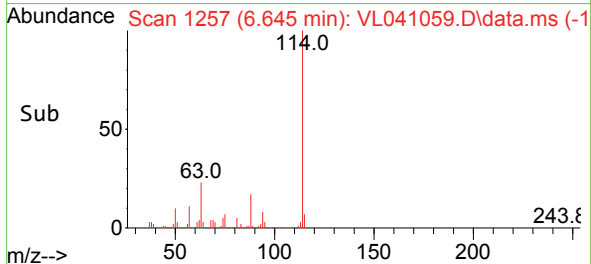
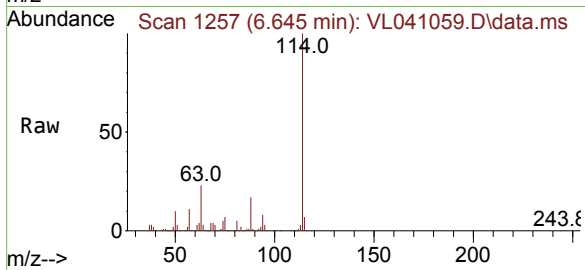
Tgt Ion:114 Resp: 3409061

Ion Ratio Lower Upper

114 100

63 23.7 20.8 31.2

88 17.5 14.3 21.5



#34

2-Butanone

Concen: 0.066 ppbv

RT: 4.787 min Scan# 679

Delta R.T. 0.016 min

Lab File: VL041059.D

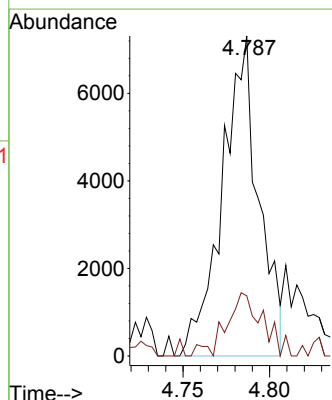
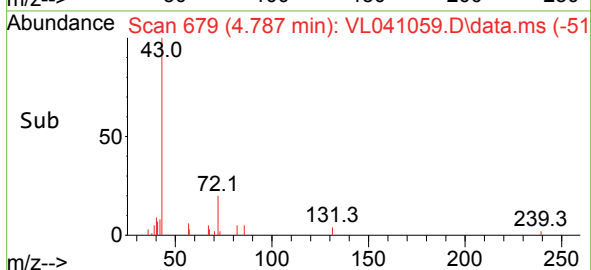
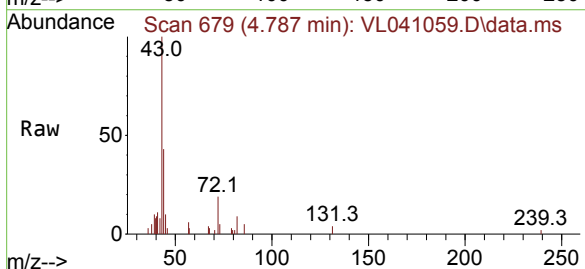
Acq: 9 Feb 2024 15:44

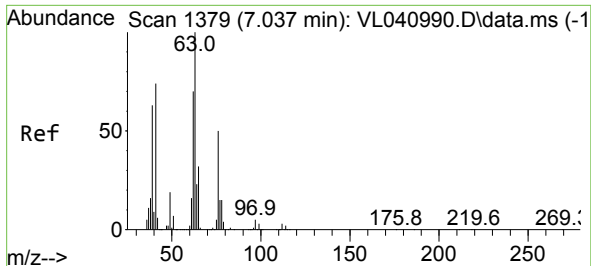
Tgt Ion: 43 Resp: 10697

Ion Ratio Lower Upper

43 100

72 20.3 17.5 26.3





#39

1,2-Dichloropropane

Concen: 7.087 ppbv

RT: 6.642 min Scan# 1

Delta R.T. -0.415 min

Lab File: VL041059.D

Acq: 9 Feb 2024 15:44

Instrument :

MSVOA_L

ClientSampleId :

IA3DUPDL

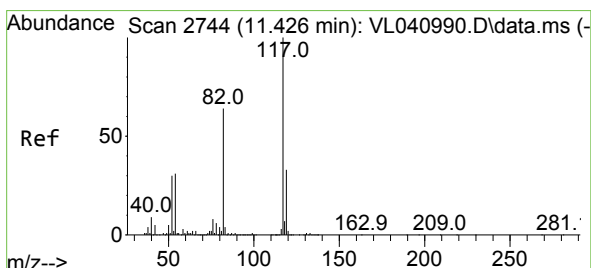
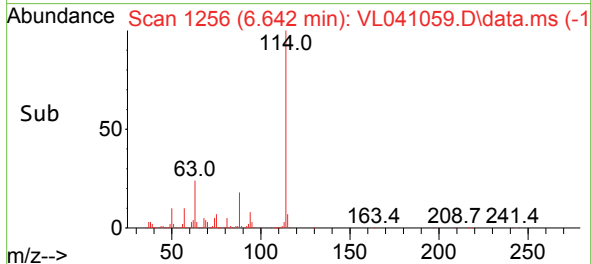
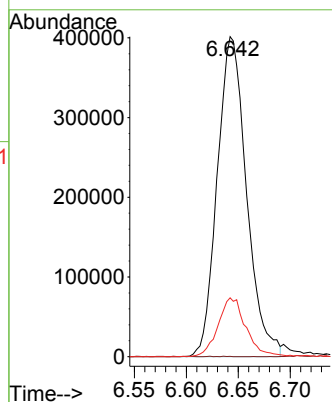
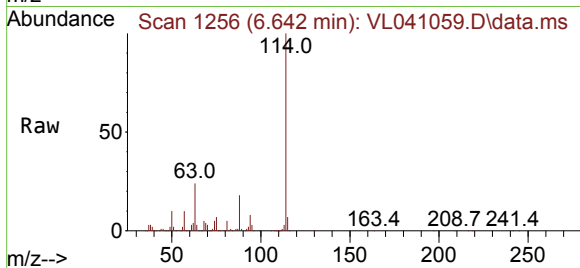
Tgt Ion: 63 Resp: 786040

Ion Ratio Lower Upper

63 100

41 0.1 59.6 89.4#

62 18.3 55.6 83.4#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.459 min Scan# 2754

Delta R.T. 0.007 min

Lab File: VL041059.D

Acq: 9 Feb 2024 15:44

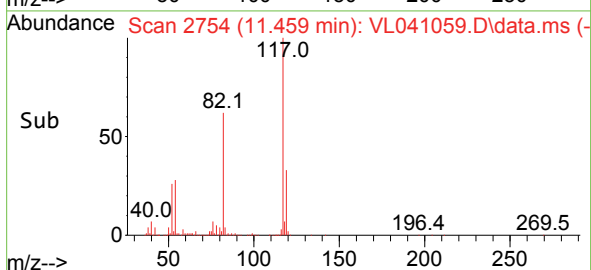
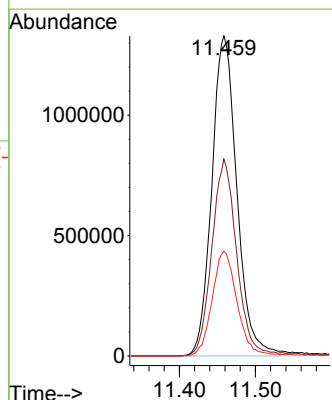
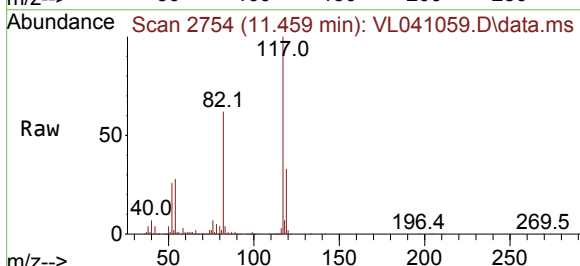
Tgt Ion: 117 Resp: 3042516

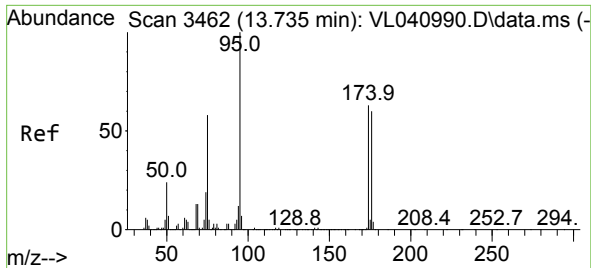
Ion Ratio Lower Upper

117 100

82 62.3 51.7 77.5

119 33.0 23.8 35.6





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.783 ppbv
 RT: 13.770 min Scan# 34
 Delta R.T. 0.010 min
 Lab File: VL041059.D
 Acq: 9 Feb 2024 15:44

Instrument :
 MSVOA_L
 ClientSampleId :
 IA3DUPDL

Tgt Ion: 95 Resp: 2248145
 Ion Ratio Lower Upper
 95 100
 174 65.0 49.1 73.7
 175 4.7 3.7 5.5

