

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110922\
 Data File : VL039851.D
 Acq On : 9 Nov 2022 16:54
 Operator : SY/AP
 Sample : N5527-01DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 10053-BASEMENT-BARDL

Quant Time: Nov 10 03:49:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110222AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Nov 03 09:27:12 2022
 Response via : Initial Calibration

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

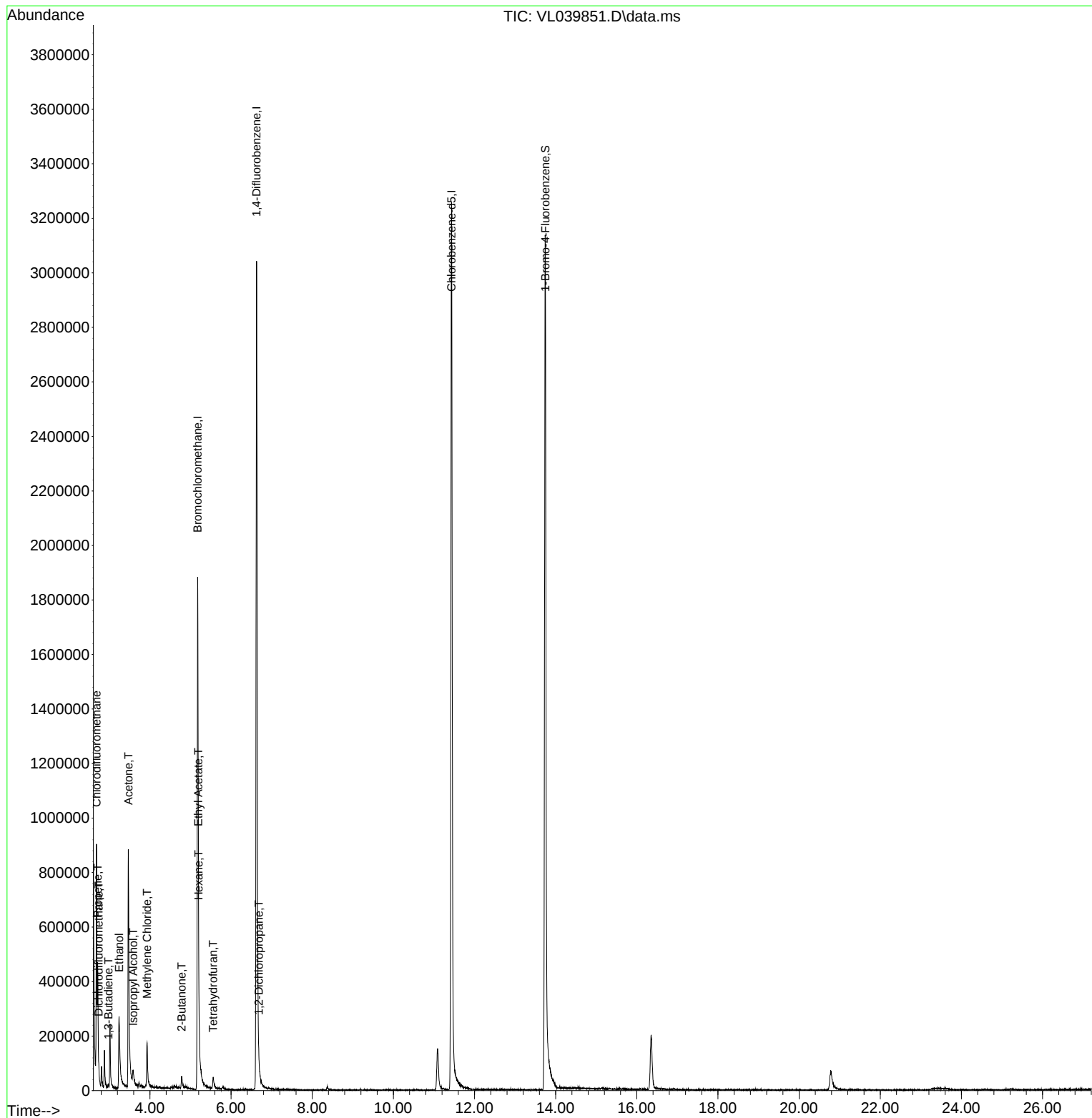
Internal Standards						
1) Bromochloromethane	5.176	49	1010316	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.629	114	2363445	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.433	117	2156564	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.744	95	1674059	10.371	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	= 103.700%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.735	85	7849	0.046	ppbv	98
3) Chlorodifluoromethane	2.684	51	890346	7.392	ppbv	97
9) Propene	2.713	41	74400	1.186	ppbv #	64
13) Ethanol	3.240	45	322860	72.794	ppbv	99
15) Acetone	3.468	43	1004976	8.172	ppbv	99
16) 1,3-Butadiene	2.976	39	4641	0.081	ppbv #	9
19) Isopropyl Alcohol	3.591	45	52943	0.870	ppbv #	1
20) Methylene Chloride	3.931	84	58003	1.318	ppbv #	83
25) Ethyl Acetate	5.195	43	29521	0.117	ppbv #	88
26) Hexane	5.201	57	33689	0.298	ppbv #	49
34) 2-Butanone	4.780	43	22805	0.234	ppbv #	38
39) 1,2-Dichloropropane	6.687	63	7141	0.092	ppbv #	19
41) Tetrahydrofuran	5.558	42	12781	0.157	ppbv #	31

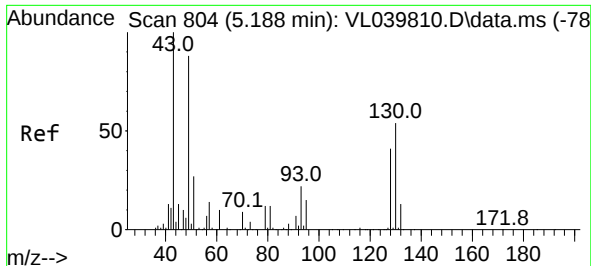
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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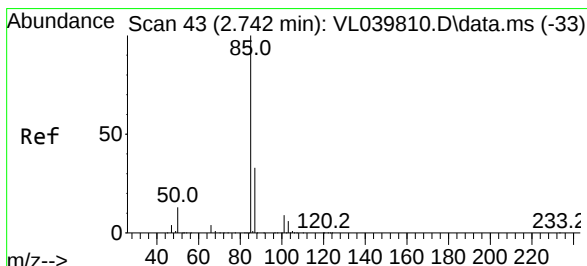
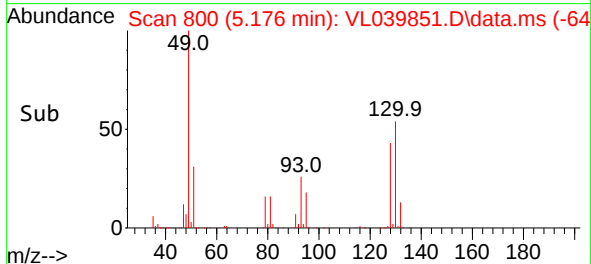
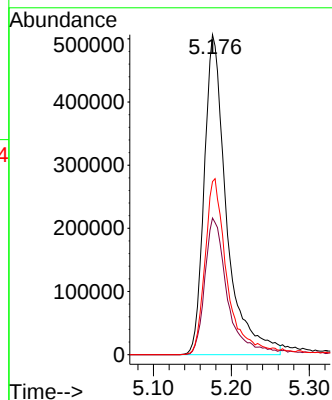
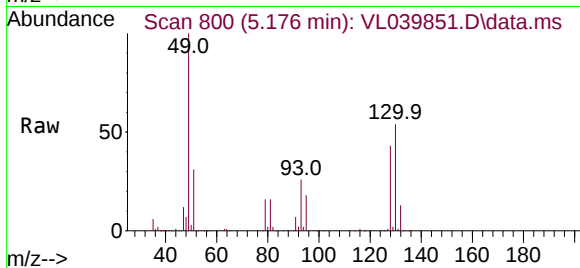




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.176 min Scan# 80
Delta R.T. -0.012 min
Lab File: VL039851.D
Acq: 9 Nov 2022 16:54

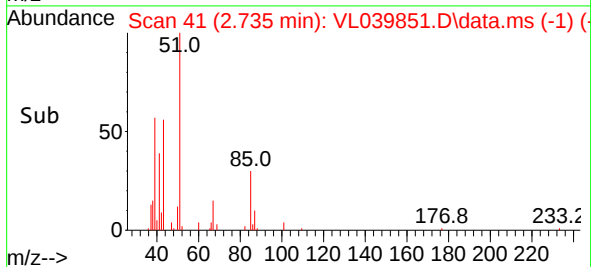
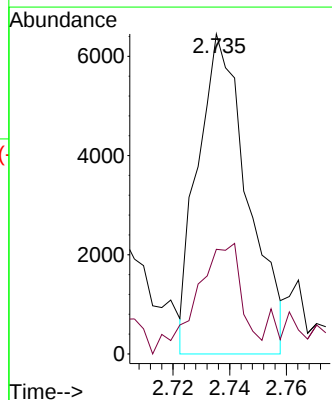
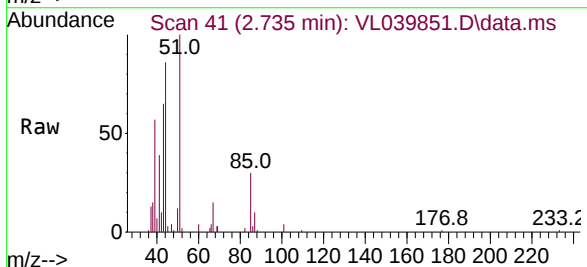
Instrument :
MSVOA_L
ClientSampleId :
10053-BASEMENT-BARDL

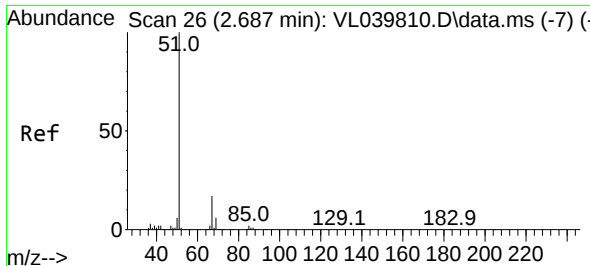
Tgt Ion: 49 Resp: 1010316
Ion Ratio Lower Upper
49 100
128 44.9 24.6 73.6
130 56.8 31.1 93.2



#2
Dichlorodifluoromethane
Concen: 0.046 ppbv
RT: 2.735 min Scan# 41
Delta R.T. -0.006 min
Lab File: VL039851.D
Acq: 9 Nov 2022 16:54

Tgt Ion: 85 Resp: 7849
Ion Ratio Lower Upper
85 100
87 31.7 26.4 39.6

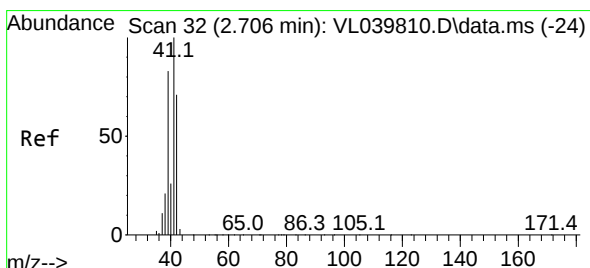
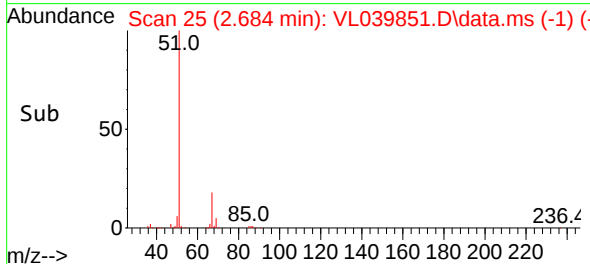
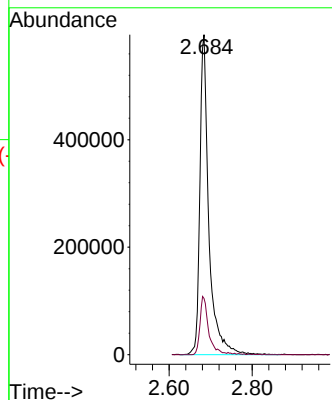
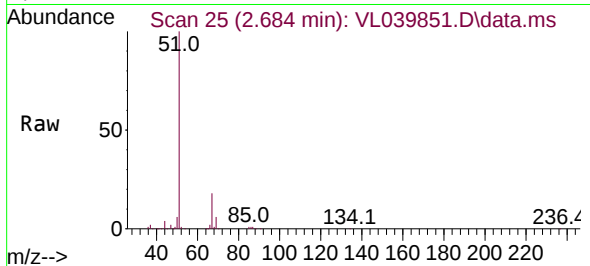




#3
Chlorodifluoromethane
Concen: 7.392 ppbv
RT: 2.684 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL039851.D
Acq: 9 Nov 2022 16:54

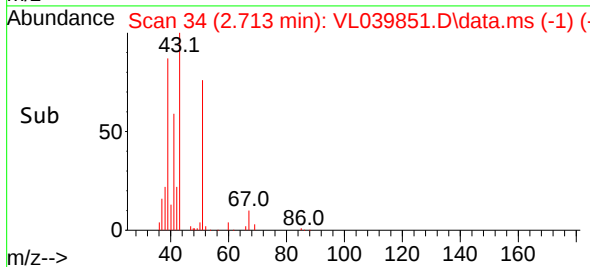
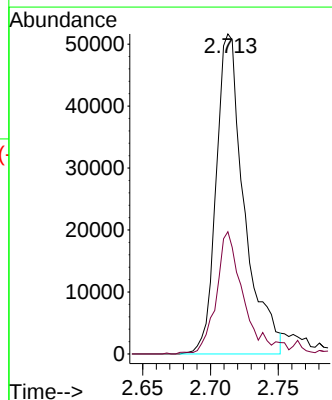
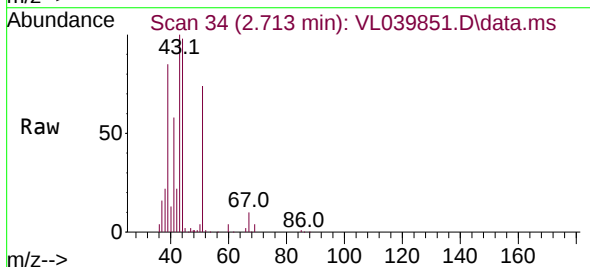
Instrument :
MSVOA_L
ClientSampleId :
10053-BASEMENT-BARDL

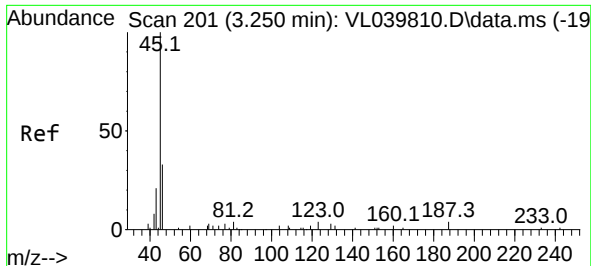
Tgt Ion: 51 Resp: 890346
Ion Ratio Lower Upper
51 100
67 17.9 13.2 19.8



#9
Propene
Concen: 1.186 ppbv
RT: 2.713 min Scan# 34
Delta R.T. 0.007 min
Lab File: VL039851.D
Acq: 9 Nov 2022 16:54

Tgt Ion: 41 Resp: 74400
Ion Ratio Lower Upper
41 100
42 40.9 56.3 84.5#

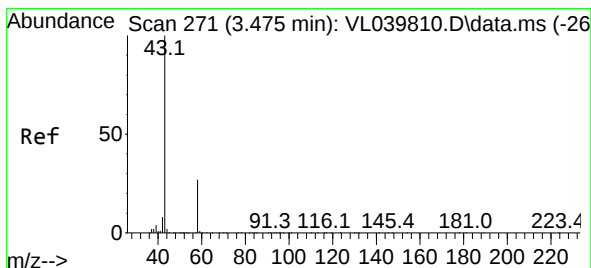
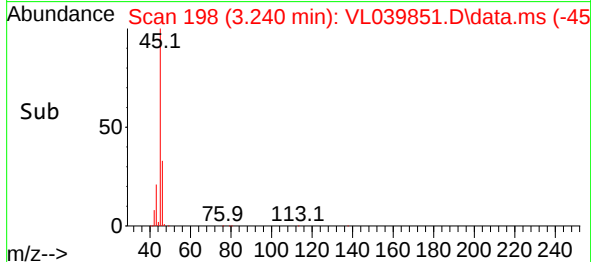
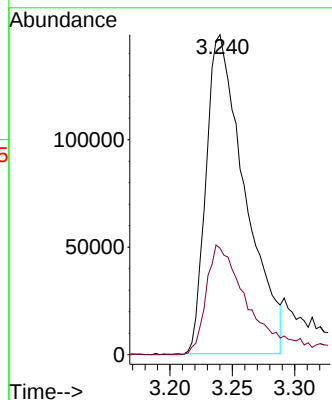
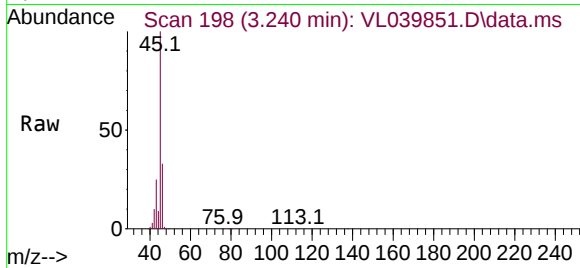




#13
Ethanol
Concen: 72.794 ppbv
RT: 3.240 min Scan# 198
Delta R.T. -0.010 min
Lab File: VL039851.D
Acq: 9 Nov 2022 16:54

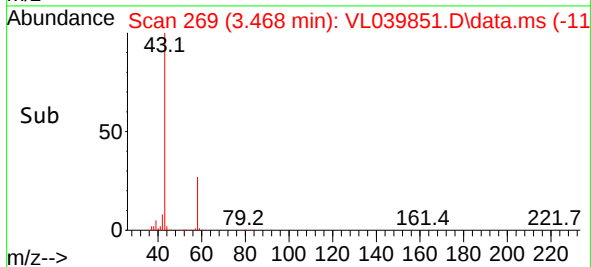
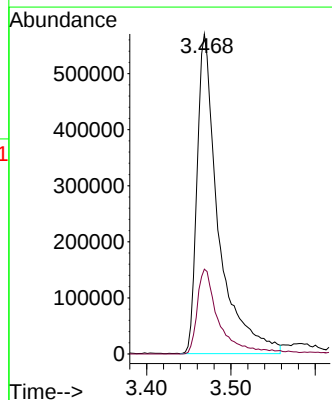
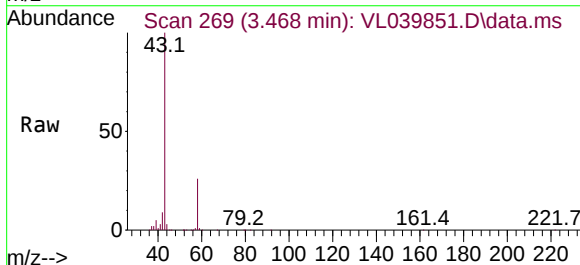
Instrument :
MSVOA_L
ClientSampleId :
10053-BASEMENT-BARDL

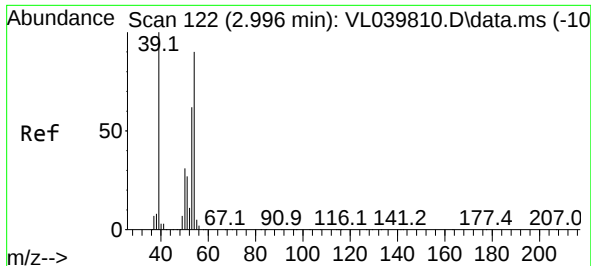
Tgt Ion: 45 Resp: 322860
Ion Ratio Lower Upper
45 100
46 41.5 16.5 65.9



#15
Acetone
Concen: 8.172 ppbv
RT: 3.468 min Scan# 269
Delta R.T. -0.006 min
Lab File: VL039851.D
Acq: 9 Nov 2022 16:54

Tgt Ion: 43 Resp: 1004976
Ion Ratio Lower Upper
43 100
58 28.3 23.2 34.8

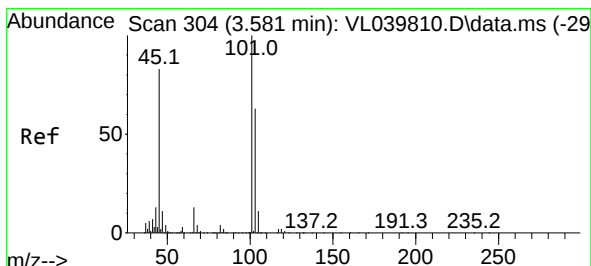
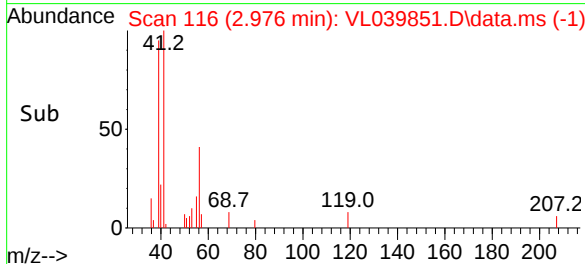
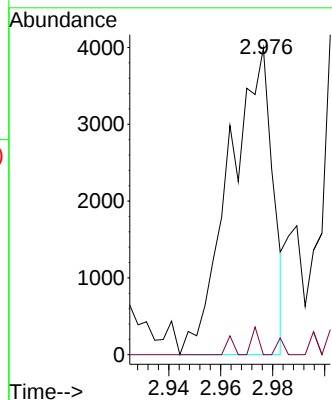
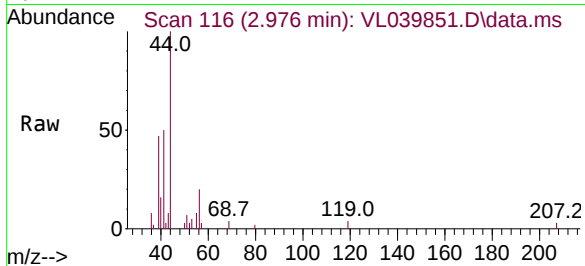




#16
1,3-Butadiene
Concen: 0.081 ppbv
RT: 2.976 min Scan# 116
Delta R.T. -0.019 min
Lab File: VL039851.D
Acq: 9 Nov 2022 16:54

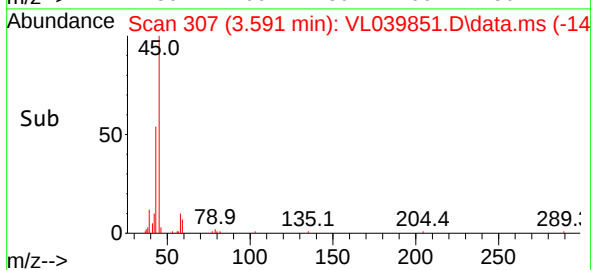
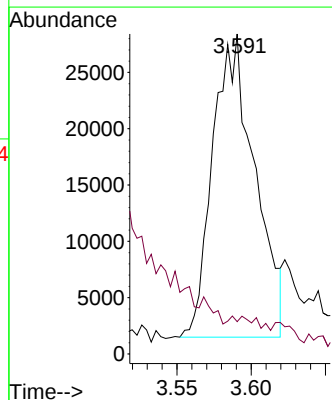
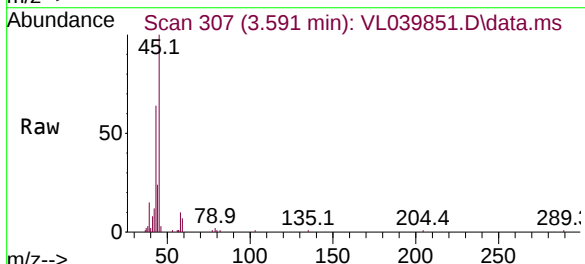
Instrument :
MSVOA_L
ClientSampleId :
10053-BASEMENT-BARDL

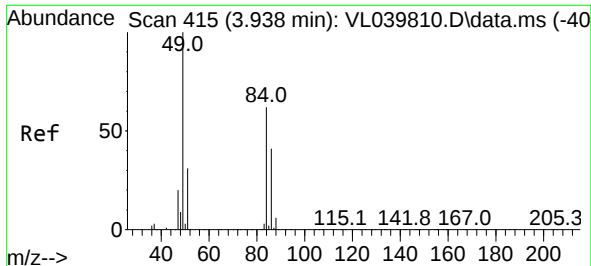
Tgt Ion: 39 Resp: 4641
Ion Ratio Lower Upper
39 100
54 3.4 71.0 106.4#



#19
Isopropyl Alcohol
Concen: 0.870 ppbv
RT: 3.591 min Scan# 307
Delta R.T. 0.010 min
Lab File: VL039851.D
Acq: 9 Nov 2022 16:54

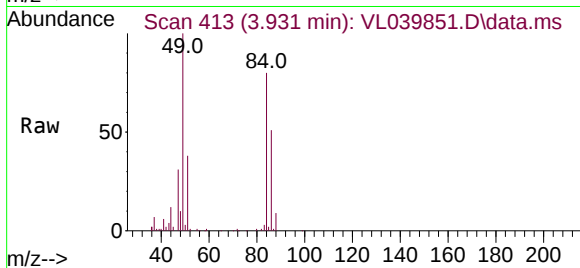
Tgt Ion: 45 Resp: 52943
Ion Ratio Lower Upper
45 100
58 536.3 38.3 57.5#



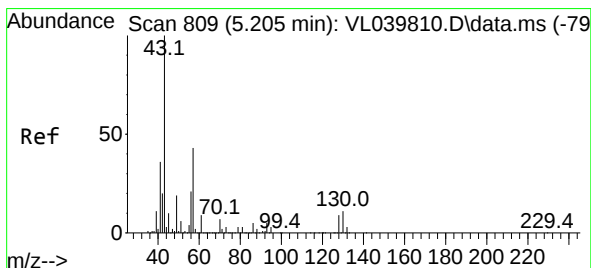
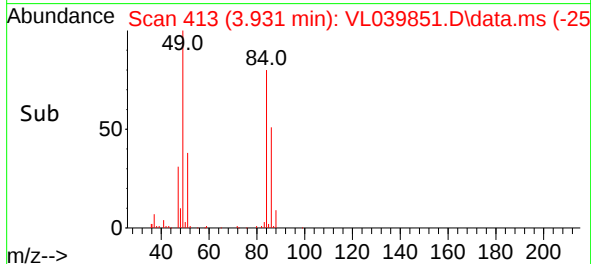
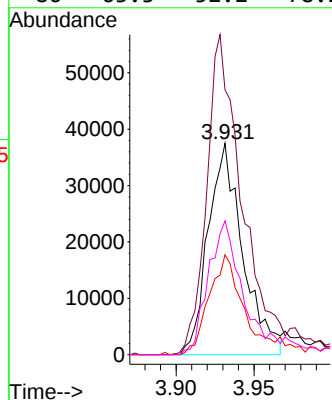


#20
Methylene Chloride
Concen: 1.318 ppbv
RT: 3.931 min Scan# 415
Delta R.T. -0.006 min
Lab File: VL039851.D
Acq: 9 Nov 2022 16:54

Instrument :
MSVOA_L
ClientSampleId :
10053-BASEMENT-BARDL

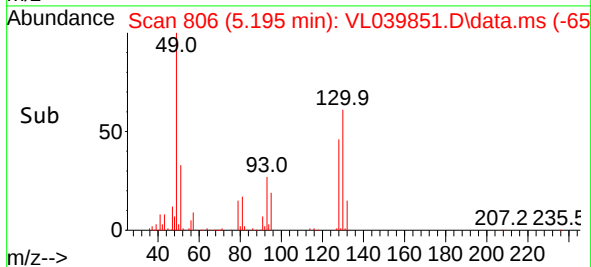
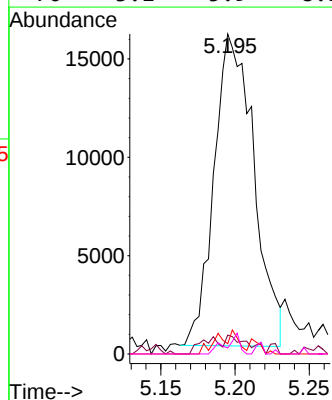
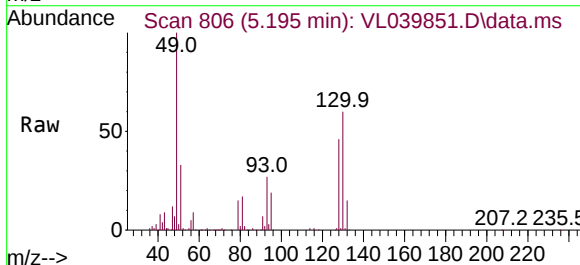


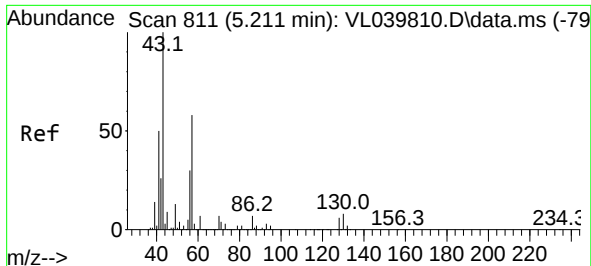
Tgt Ion: 84 Resp: 58003
Ion Ratio Lower Upper
84 100
49 124.2 128.6 192.8#
51 47.2 40.2 60.4
86 63.3 52.2 78.2



#25
Ethyl Acetate
Concen: 0.117 ppbv
RT: 5.195 min Scan# 806
Delta R.T. -0.010 min
Lab File: VL039851.D
Acq: 9 Nov 2022 16:54

Tgt Ion: 43 Resp: 29521
Ion Ratio Lower Upper
43 100
45 6.7 8.2 12.2#
61 5.3 8.1 12.1#
70 3.1 5.9 8.9#

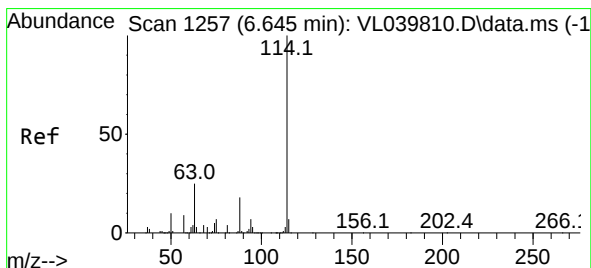
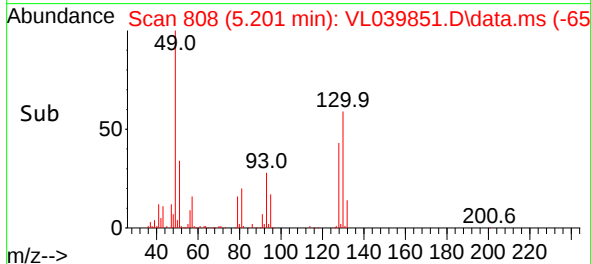
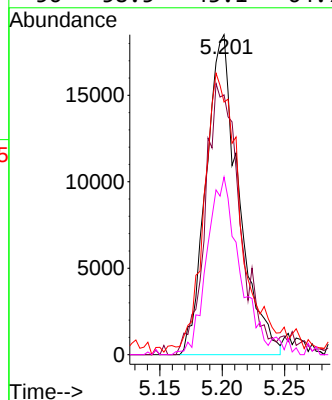
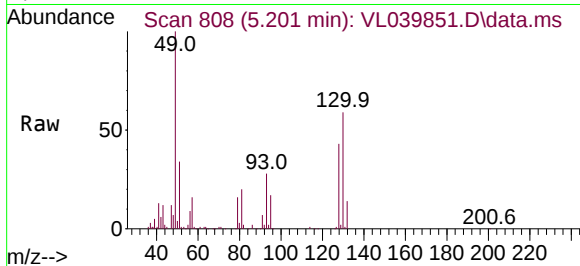




#26
Hexane
Concen: 0.298 ppbv
RT: 5.201 min Scan# 808
Delta R.T. -0.010 min
Lab File: VL039851.D
Acq: 9 Nov 2022 16:54

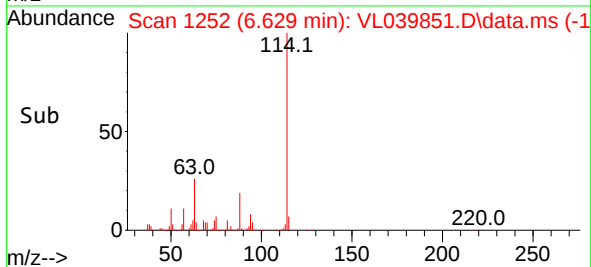
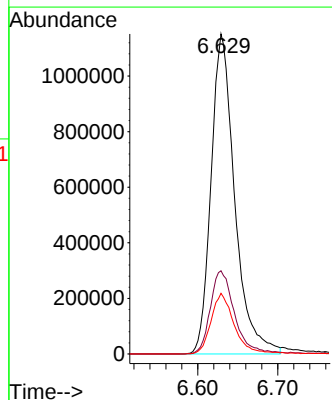
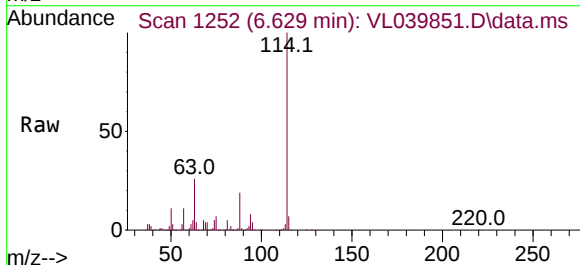
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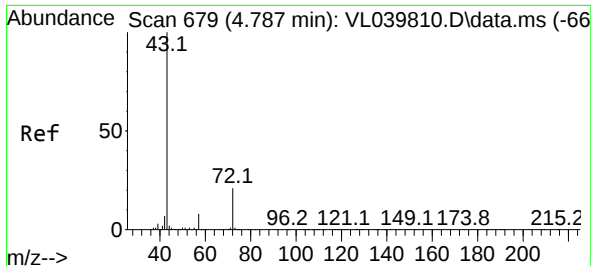
Tgt Ion: 57 Resp: 33689
Ion Ratio Lower Upper
57 100
41 95.8 73.7 110.5
43 104.1 189.8 284.8#
56 58.5 43.1 64.7



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.629 min Scan# 1252
Delta R.T. -0.016 min
Lab File: VL039851.D
Acq: 9 Nov 2022 16:54

Tgt Ion: 114 Resp: 2363445
Ion Ratio Lower Upper
114 100
63 27.4 19.8 29.6
88 19.0 14.4 21.6





#34

2-Butanone

Concen: 0.234 ppbv

RT: 4.780 min Scan# 61

Delta R.T. -0.006 min

Lab File: VL039851.D

Acq: 9 Nov 2022 16:54

Instrument :

MSVOA_L

ClientSampleId :

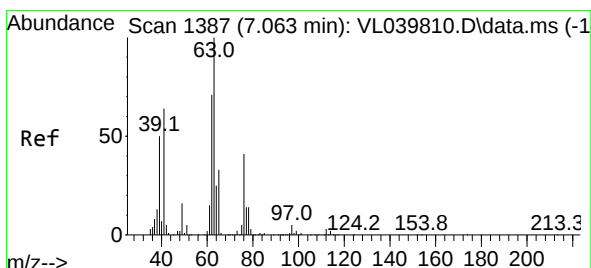
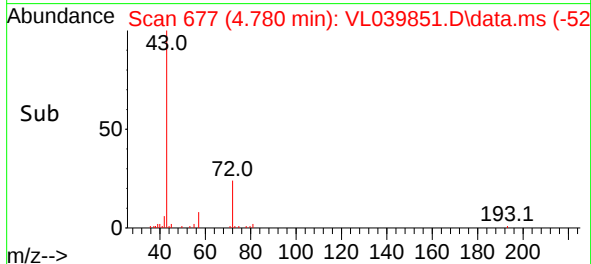
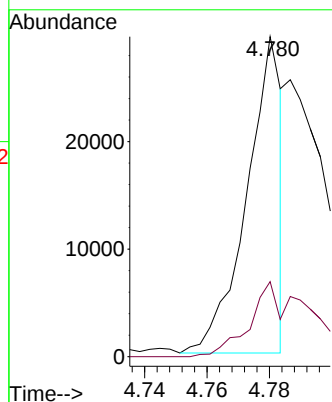
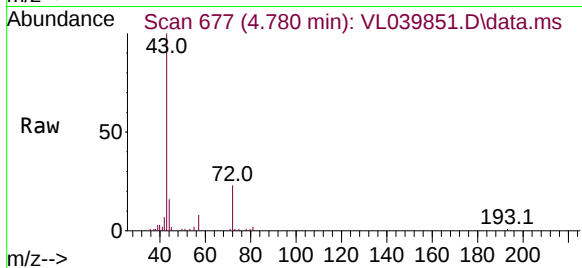
10053-BASEMENT-BARDL

Tgt Ion: 43 Resp: 22805

Ion Ratio Lower Upper

43 100

72 51.4 17.5 26.3#



#39

1,2-Dichloropropane

Concen: 0.092 ppbv

RT: 6.687 min Scan# 1270

Delta R.T. -0.376 min

Lab File: VL039851.D

Acq: 9 Nov 2022 16:54

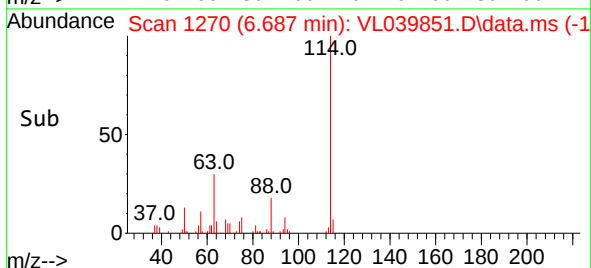
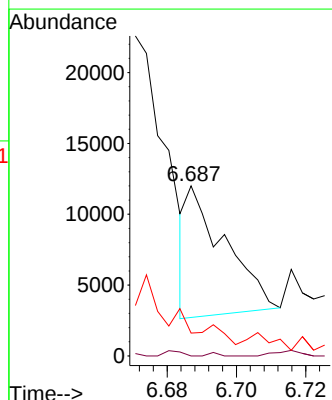
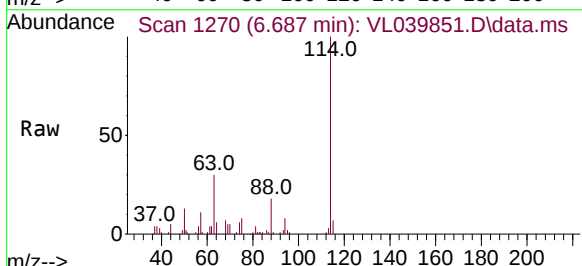
Tgt Ion: 63 Resp: 7141

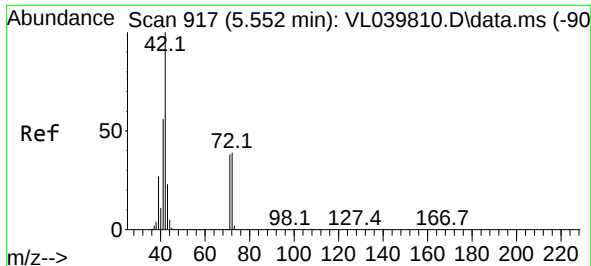
Ion Ratio Lower Upper

63 100

41 0.0 51.0 76.4#

62 5.1 56.6 85.0#





#41

Tetrahydrofuran

Concen: 0.157 ppbv

RT: 5.558 min Scan# 917

Delta R.T. 0.007 min

Lab File: VL039851.D

Acq: 9 Nov 2022 16:54

Instrument :

MSVOA_L

ClientSampleId :

10053-BASEMENT-BARDL

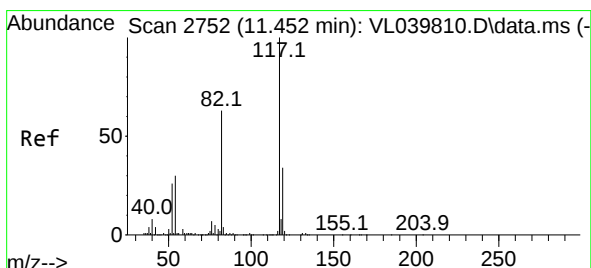
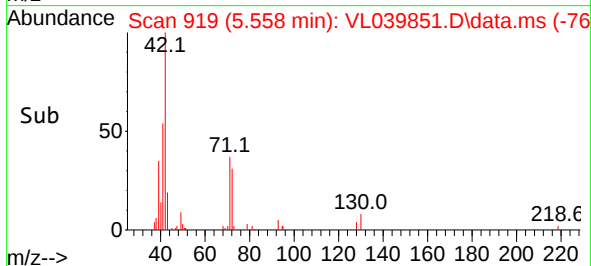
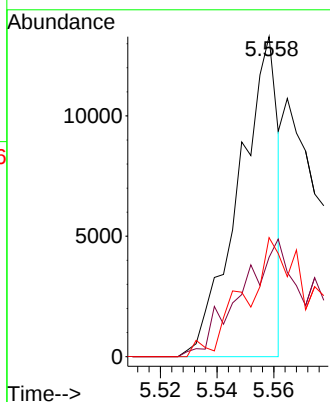
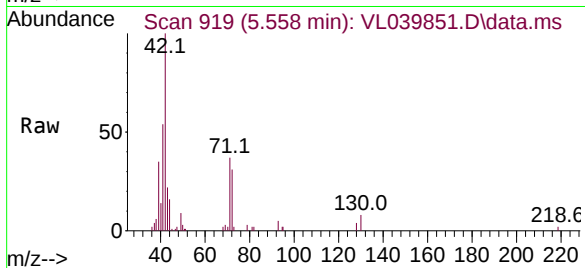
Tgt Ion: 42 Resp: 12781

Ion Ratio Lower Upper

42 100

72 0.0 31.4 47.2#

71 84.2 31.5 47.3#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.433 min Scan# 2746

Delta R.T. -0.019 min

Lab File: VL039851.D

Acq: 9 Nov 2022 16:54

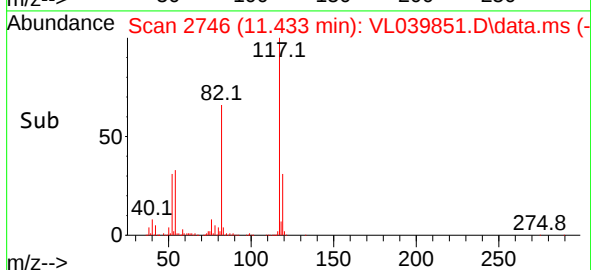
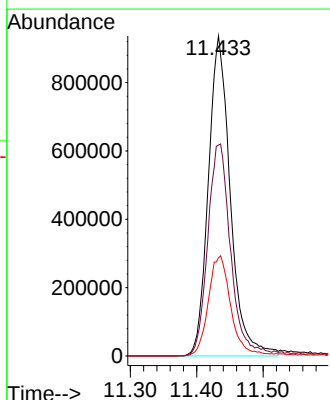
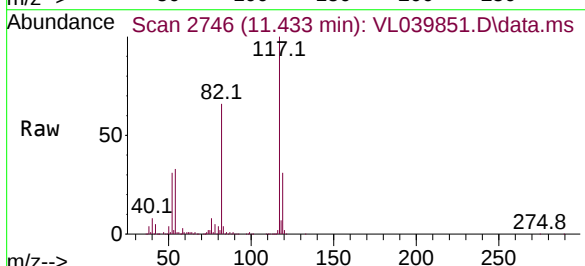
Tgt Ion: 117 Resp: 2156564

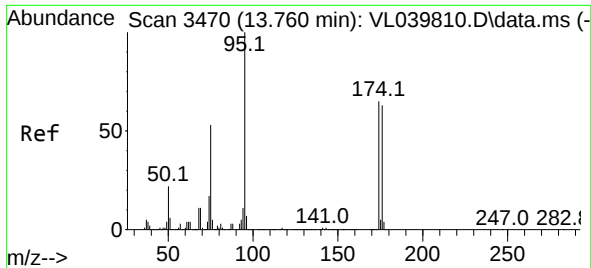
Ion Ratio Lower Upper

117 100

82 69.7 51.0 76.6

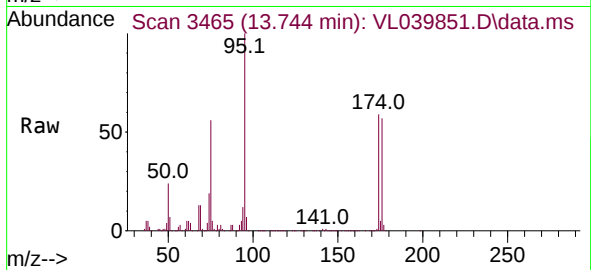
119 32.8 24.7 37.1





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.371 ppbv
 RT: 13.744 min Scan# 34
 Delta R.T. -0.016 min
 Lab File: VL039851.D
 Acq: 9 Nov 2022 16:54

Instrument :
 MSVOA_L
 ClientSampleId :
 10053-BASEMENT-BARDL



Tgt Ion: 95 Resp: 1674059
 Ion Ratio Lower Upper
 95 100
 174 63.7 53.4 80.0
 175 4.5 4.1 6.1

