

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050624\
 Data File : VL041217.D
 Acq On : 6 May 2024 14:21
 Operator : SY/MD
 Sample : P2334-06DL 5X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BA-20-IA01-20240425DL

Quant Time: May 07 05:24:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue May 07 05:19:44 2024
 Response via : Initial Calibration

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

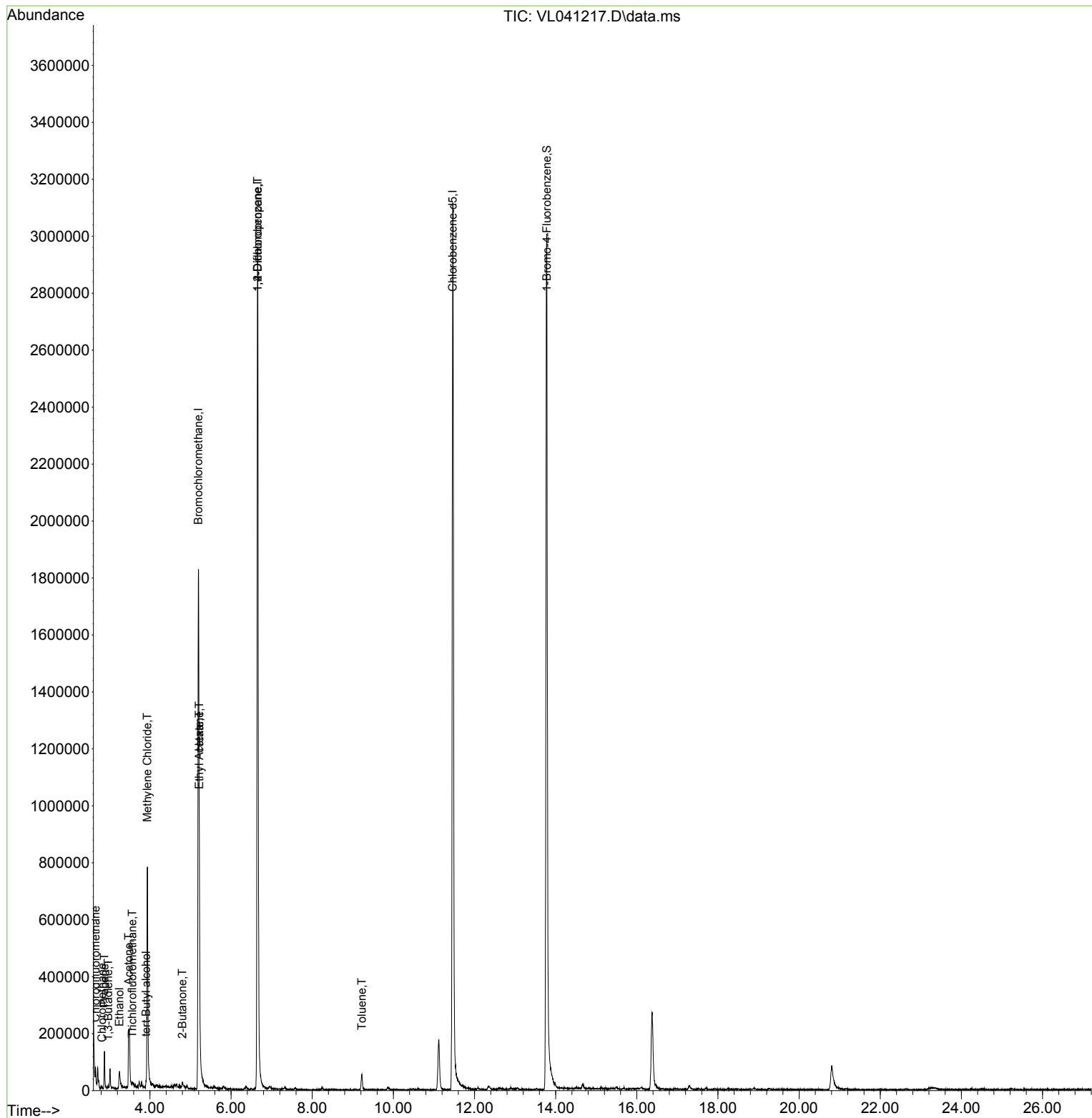
Internal Standards						
1) Bromochloromethane	5.195	49	895791	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2281254	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2066963	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	1573928	10.086	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.900%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	2.658	51	41904	0.308	ppbv #	69
4) Chloromethane	2.819	50	5985	0.112	ppbv	98
9) Propene	2.880	41	31669	0.595	ppbv	87
11) Trichlorofluoromethane	3.565	101	6286	0.051	ppbv	89
13) Ethanol	3.250	45	70791	5.931	ppbv	91
15) Acetone	3.475	43	252608	2.389	ppbv	93
16) 1,3-Butadiene	2.973	39	1814	0.034	ppbv #	30
17) tert-Butyl alcohol	3.903	59	3565	0.031	ppbv #	72
20) Methylene Chloride	3.938	84	244736	6.657	ppbv	98
25) Ethyl Acetate	5.218	43	154985	0.734	ppbv #	79
26) Hexane	5.214	57	212317	2.255	ppbv #	41
34) 2-Butanone	4.800	43	12805	0.110	ppbv #	70
39) 1,2-Dichloropropane	6.655	63	580920	7.874	ppbv #	24
53) Toluene	9.224	91	19979	0.090	ppbv #	27

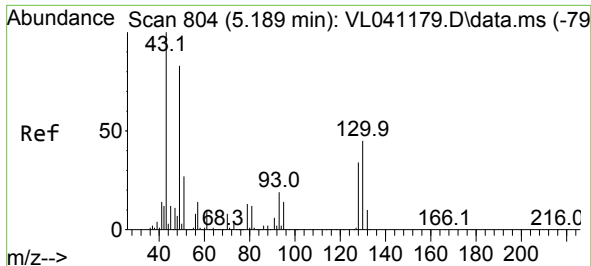
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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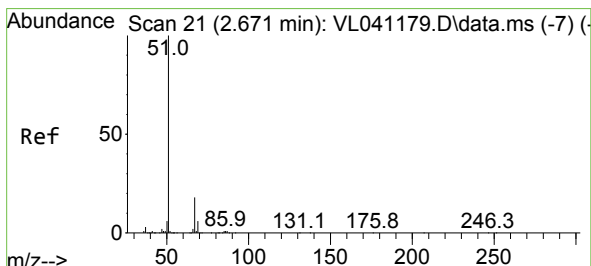
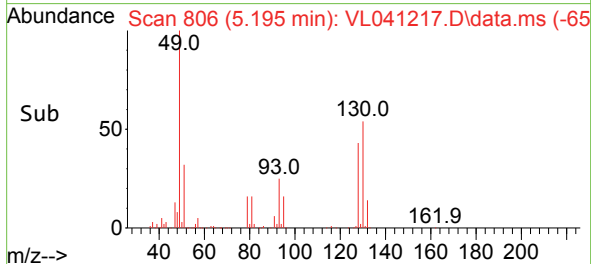
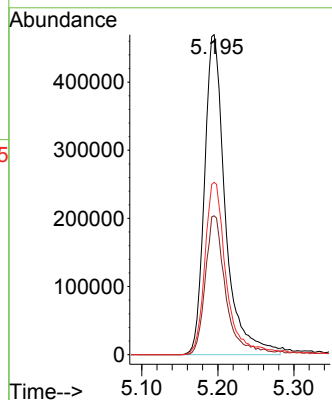
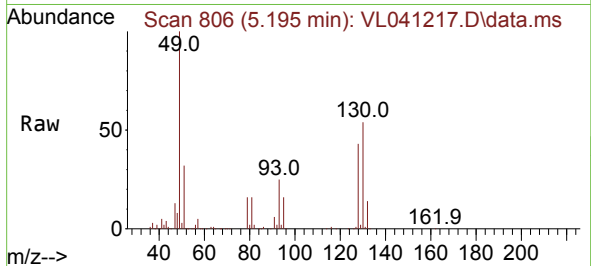




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.195 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: VL041217.D
 Acq: 6 May 2024 14:21

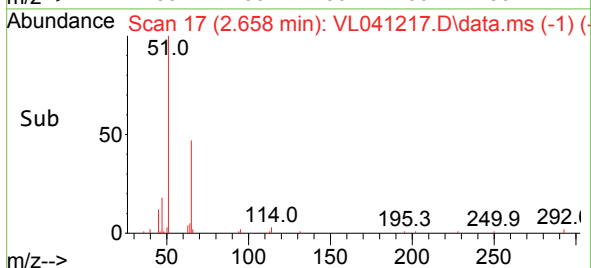
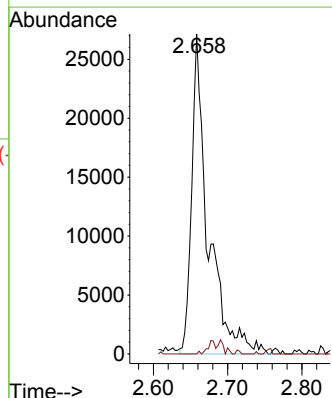
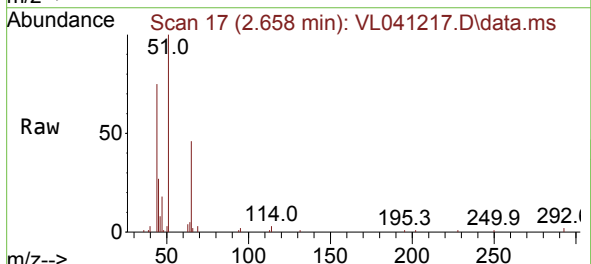
Instrument :
 MSVOA_L
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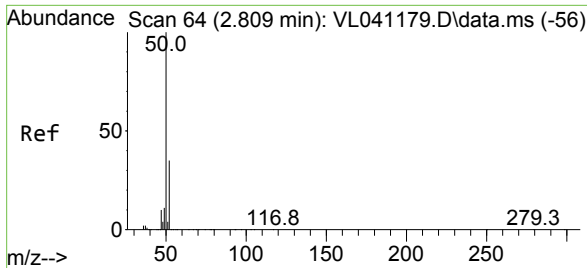
Tgt Ion: 49 Resp: 895791
 Ion Ratio Lower Upper
 49 100
 128 44.1 21.5 64.5
 130 56.3 27.2 81.6



#3
 Chlorodifluoromethane
 Concen: 0.308 ppbv
 RT: 2.658 min Scan# 17
 Delta R.T. -0.026 min
 Lab File: VL041217.D
 Acq: 6 May 2024 14:21

Tgt Ion: 51 Resp: 41904
 Ion Ratio Lower Upper
 51 100
 67 3.7 14.0 21.0#

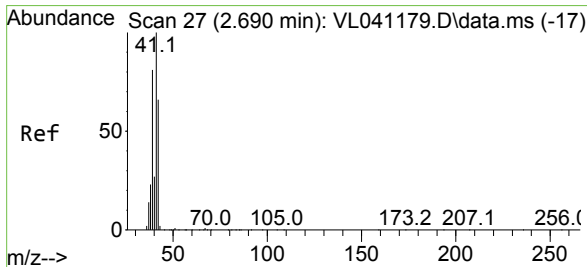
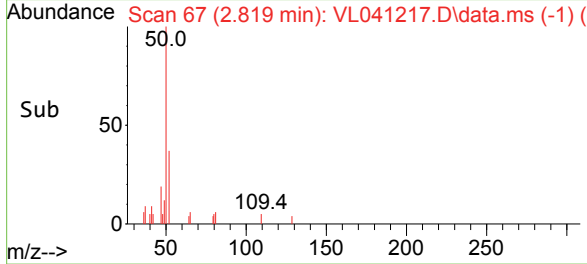
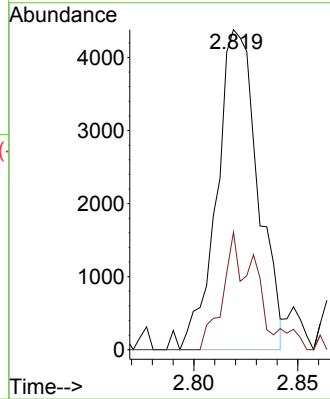
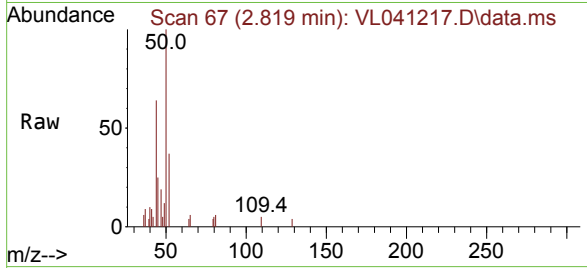




#4
Chloromethane
Concen: 0.112 ppbv
RT: 2.819 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL041217.D
Acq: 6 May 2024 14:21

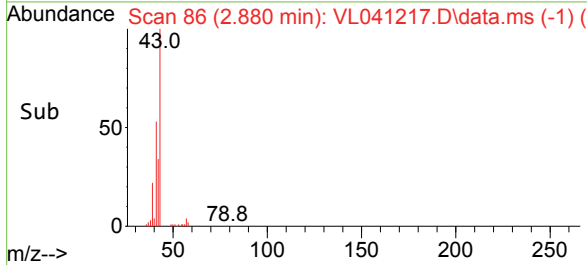
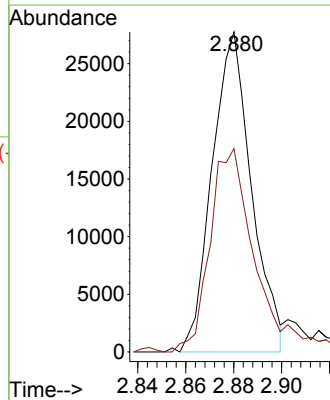
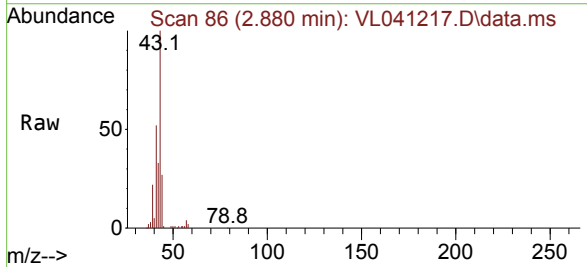
Instrument :
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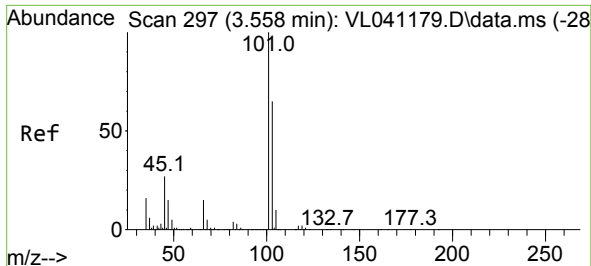
Tgt Ion: 50 Resp: 5985
Ion Ratio Lower Upper
50 100
52 36.8 28.3 42.5



#9
Propene
Concen: 0.595 ppbv
RT: 2.880 min Scan# 86
Delta R.T. 0.177 min
Lab File: VL041217.D
Acq: 6 May 2024 14:21

Tgt Ion: 41 Resp: 31669
Ion Ratio Lower Upper
41 100
42 79.7 55.3 82.9

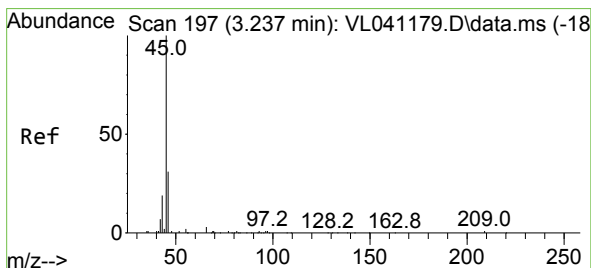
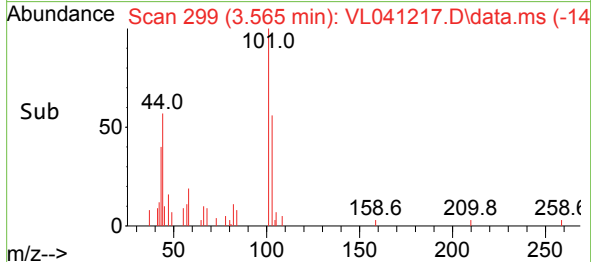
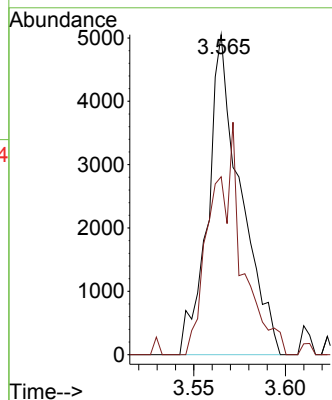
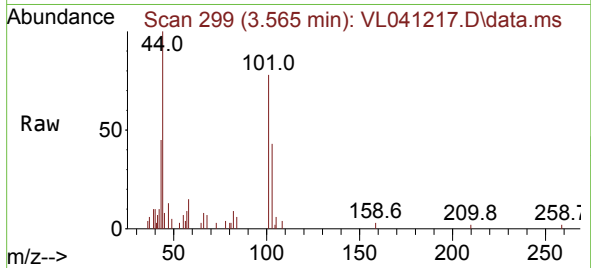




#11
Trichlorofluoromethane
Concen: 0.051 ppbv
RT: 3.565 min Scan# 201
Delta R.T. -0.003 min
Lab File: VL041217.D
Acq: 6 May 2024 14:21

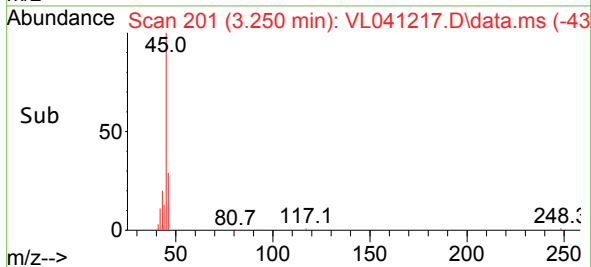
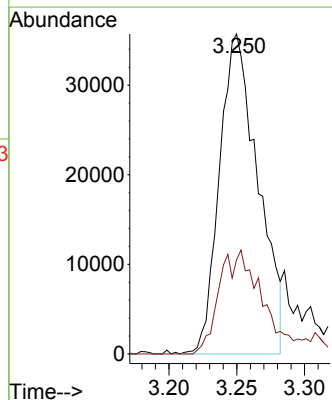
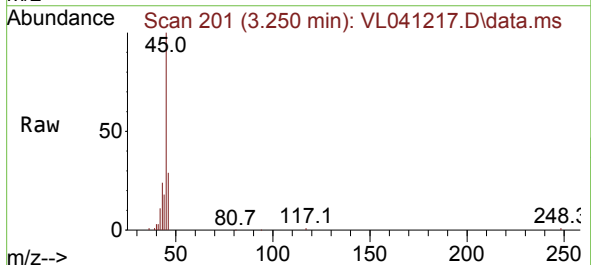
Instrument :
MSVOA_L
ClientSampleId :
BA-20-IA01-20240425DL

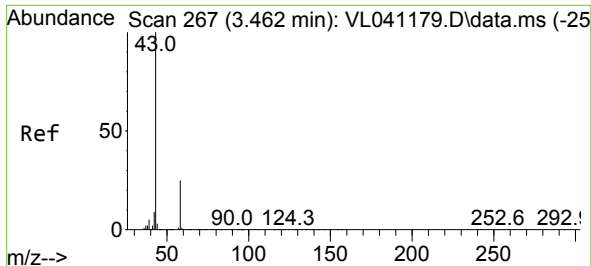
Tgt Ion:101 Resp: 6286
Ion Ratio Lower Upper
101 100
103 55.6 51.6 77.4



#13
Ethanol
Concen: 5.931 ppbv
RT: 3.250 min Scan# 201
Delta R.T. 0.007 min
Lab File: VL041217.D
Acq: 6 May 2024 14:21

Tgt Ion: 45 Resp: 70791
Ion Ratio Lower Upper
45 100
46 42.3 14.8 59.0





#15

Acetone

Concen: 2.389 ppbv

RT: 3.475 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL041217.D

Acq: 6 May 2024 14:21

Instrument :

MSVOA_L

ClientSampleId :

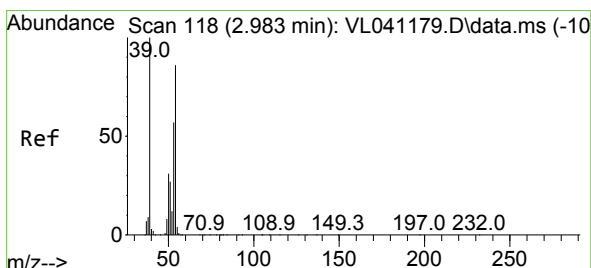
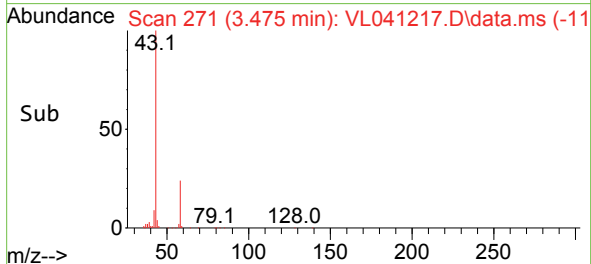
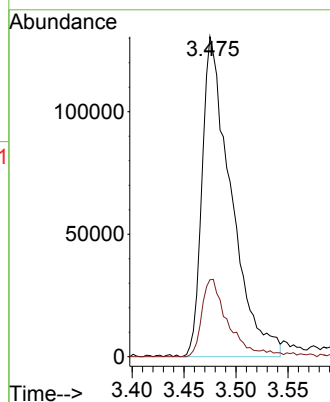
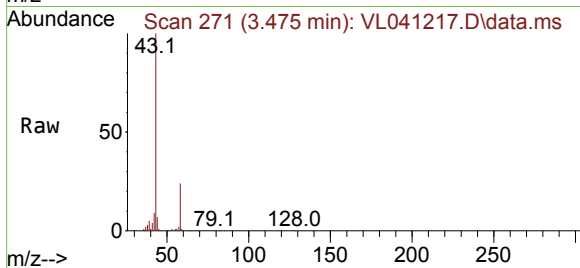
BA-20-IA01-20240425DL

Tgt Ion: 43 Resp: 252608

Ion Ratio Lower Upper

43 100

58 23.3 21.4 32.0



#16

1,3-Butadiene

Concen: 0.034 ppbv

RT: 2.973 min Scan# 115

Delta R.T. -0.019 min

Lab File: VL041217.D

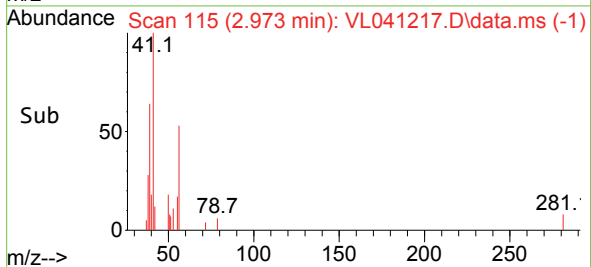
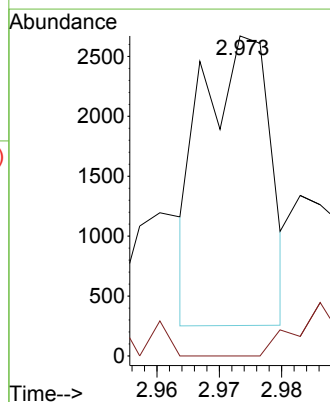
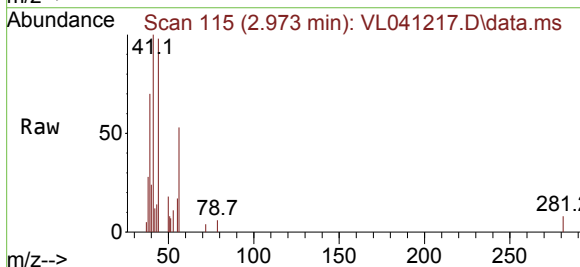
Acq: 6 May 2024 14:21

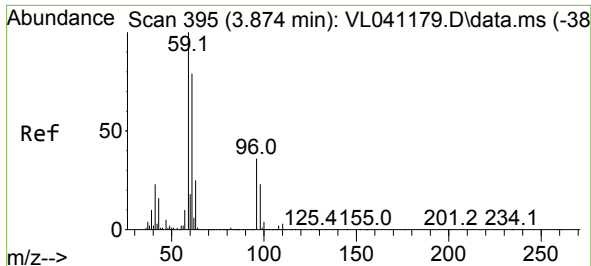
Tgt Ion: 39 Resp: 1814

Ion Ratio Lower Upper

39 100

54 16.6 62.2 93.4#





#17

tert-Butyl alcohol

Concen: 0.031 ppbv

RT: 3.903 min Scan# 404

Delta R.T. 0.020 min

Lab File: VL041217.D

Acq: 6 May 2024 14:21

Instrument :

MSVOA_L

ClientSampleId :

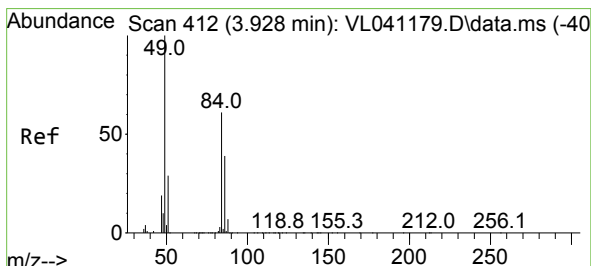
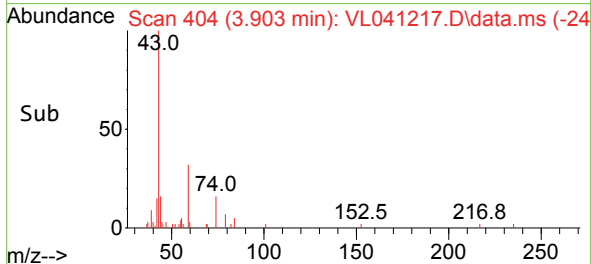
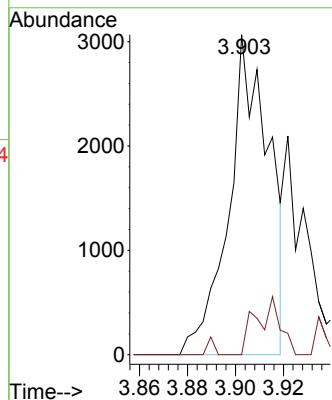
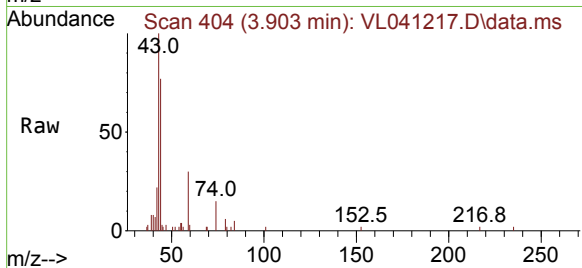
BA-20-IA01-20240425DL

Tgt Ion: 59 Resp: 3565

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



#20

Methylene Chloride

Concen: 6.657 ppbv

RT: 3.938 min Scan# 415

Delta R.T. 0.000 min

Lab File: VL041217.D

Acq: 6 May 2024 14:21

Tgt Ion: 84 Resp: 244736

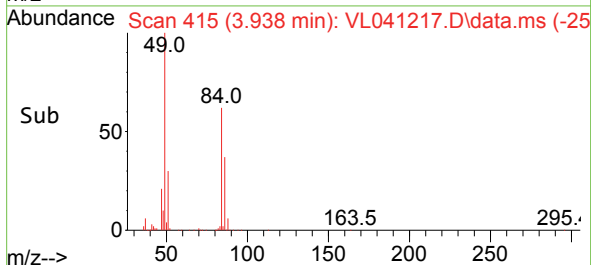
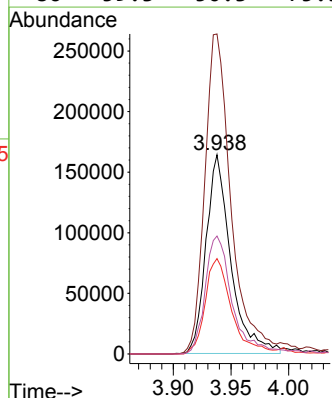
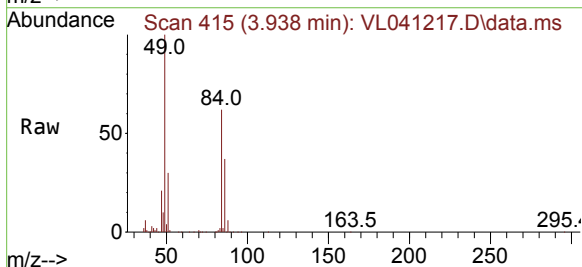
Ion Ratio Lower Upper

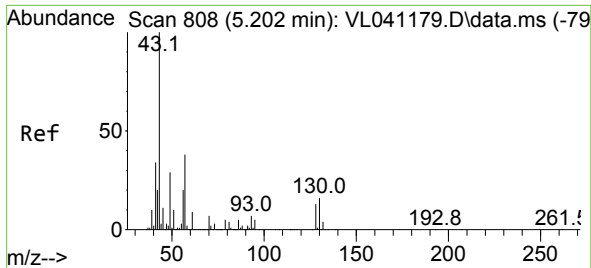
84 100

49 160.7 130.4 195.6

51 48.0 38.0 57.0

86 59.3 50.3 75.5

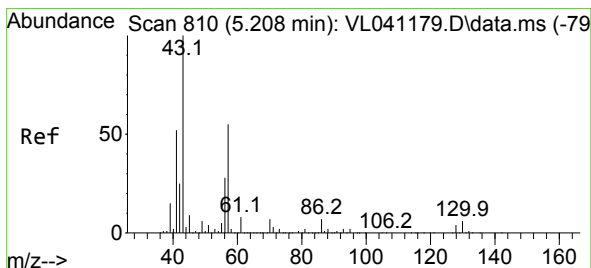
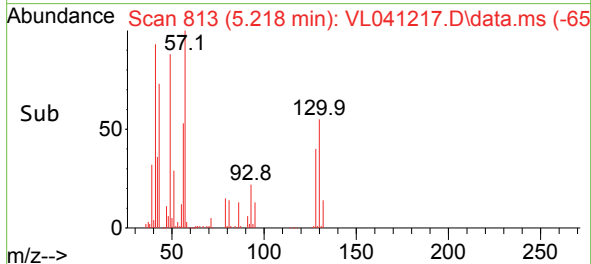
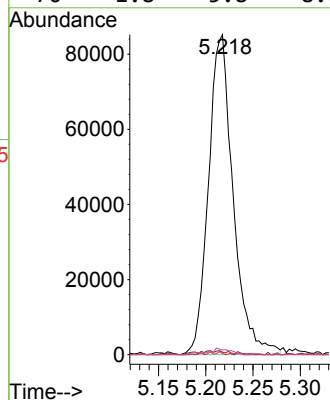
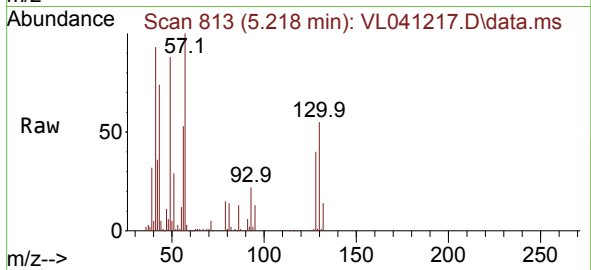




#25
Ethyl Acetate
Concen: 0.734 ppbv
RT: 5.218 min Scan# 813
Delta R.T. 0.013 min
Lab File: VL041217.D
Acq: 6 May 2024 14:21

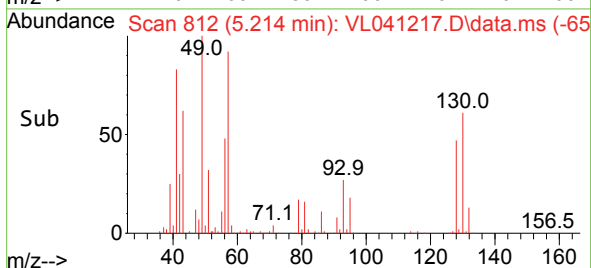
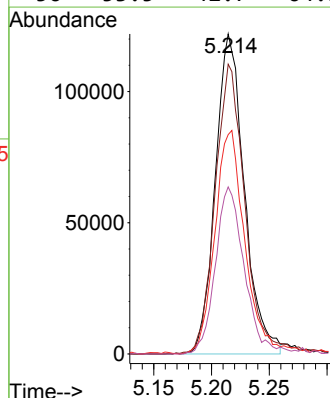
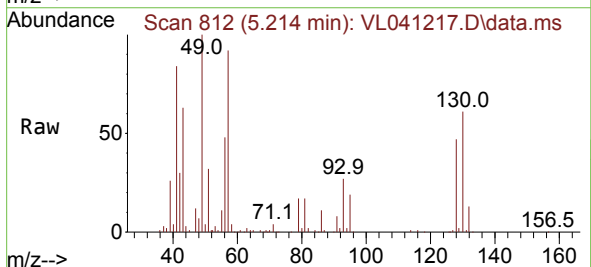
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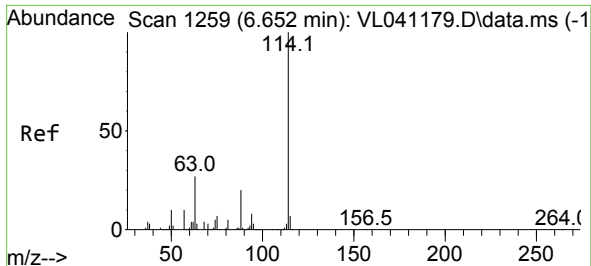
Tgt Ion: 43 Resp: 154985
Ion Ratio Lower Upper
43 100
45 1.9 8.2 12.2#
61 0.6 7.7 11.5#
70 1.8 5.8 8.6#



#26
Hexane
Concen: 2.255 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.000 min
Lab File: VL041217.D
Acq: 6 May 2024 14:21

Tgt Ion: 57 Resp: 212317
Ion Ratio Lower Upper
57 100
41 94.7 75.8 113.8
43 73.5 187.0 280.4#
56 53.5 42.7 64.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL041217.D

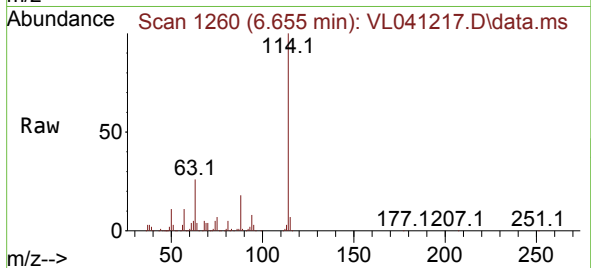
Acq: 6 May 2024 14:21

Instrument :

MSVOA_L

ClientSampleId :

BA-20-IA01-20240425DL



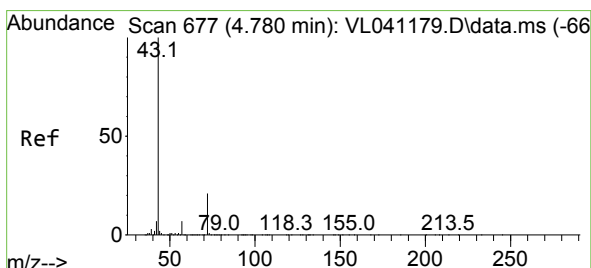
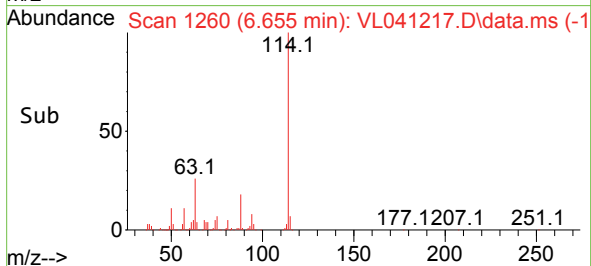
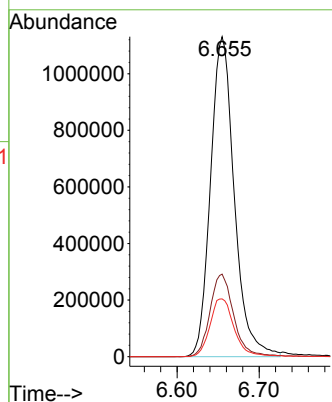
Tgt Ion:114 Resp: 2281254

Ion Ratio Lower Upper

114 100

63 25.9 21.8 32.6

88 18.4 15.2 22.8



#34

2-Butanone

Concen: 0.110 ppbv

RT: 4.800 min Scan# 683

Delta R.T. 0.013 min

Lab File: VL041217.D

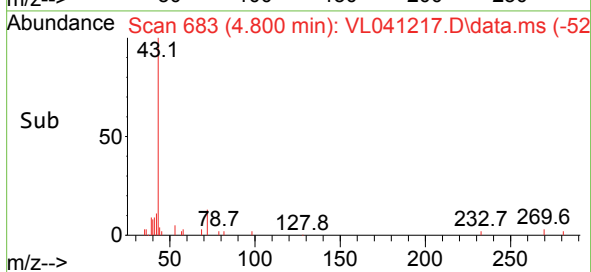
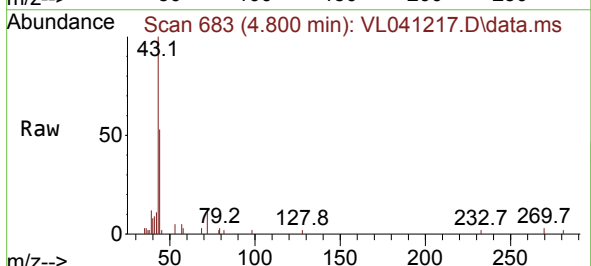
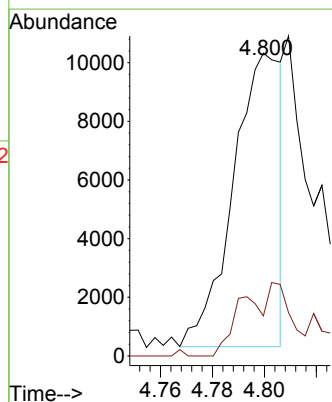
Acq: 6 May 2024 14:21

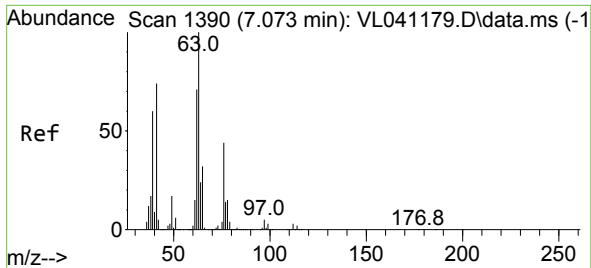
Tgt Ion: 43 Resp: 12805

Ion Ratio Lower Upper

43 100

72 35.9 17.3 25.9#





#39

1,2-Dichloropropane

Concen: 7.874 ppbv

RT: 6.655 min Scan# 11

Delta R.T. -0.418 min

Lab File: VL041217.D

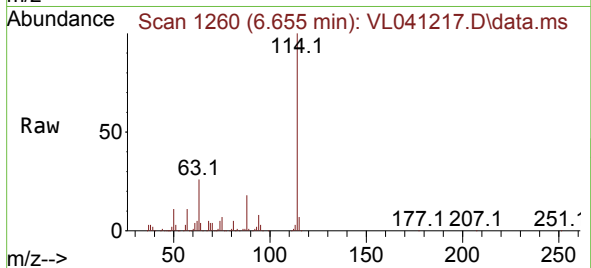
Acq: 6 May 2024 14:21

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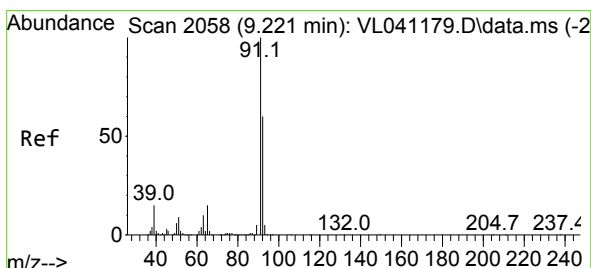
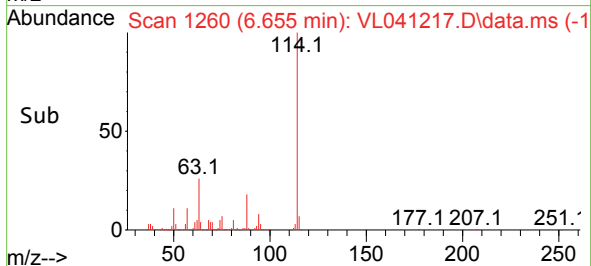
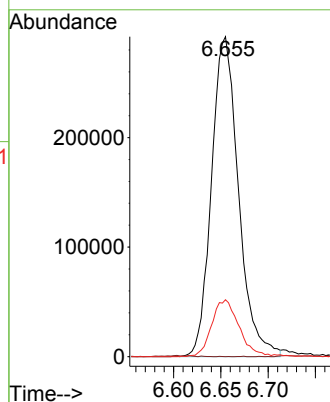
Tgt Ion: 63 Resp: 580920

Ion Ratio Lower Upper

63 100

41 0.0 59.4 89.0#

62 17.8 56.8 85.2#



#53

Toluene

Concen: 0.090 ppbv

RT: 9.224 min Scan# 2059

Delta R.T. 0.003 min

Lab File: VL041217.D

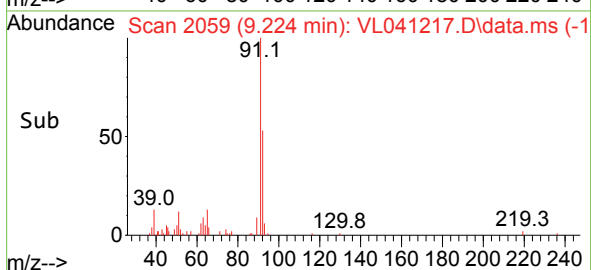
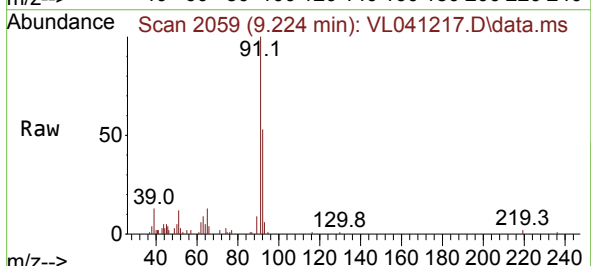
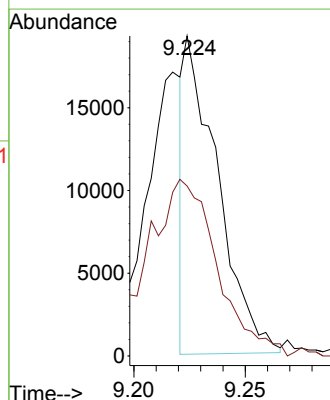
Acq: 6 May 2024 14:21

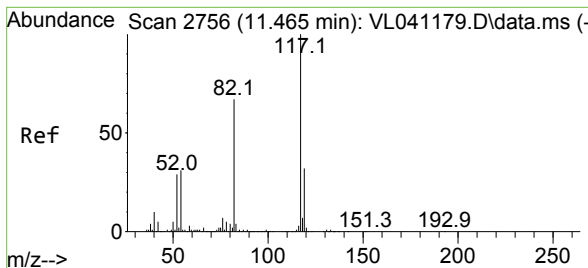
Tgt Ion: 91 Resp: 19979

Ion Ratio Lower Upper

91 100

92 115.9 48.2 72.4#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.465 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL041217.D

Acq: 6 May 2024 14:21

Instrument :

MSVOA_L

ClientSampleId :

BA-20-IA01-20240425DL

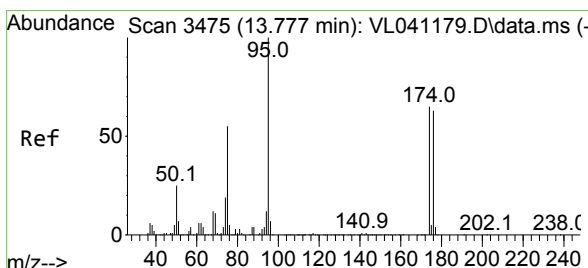
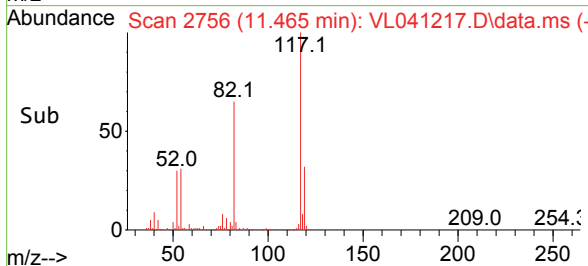
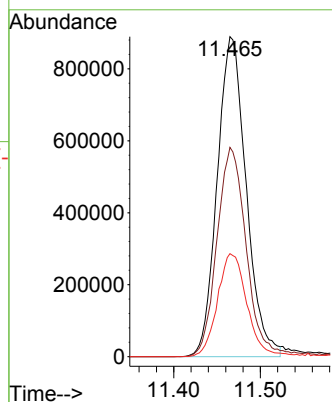
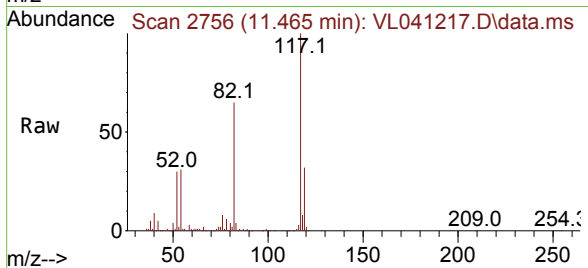
Tgt Ion:117 Resp: 2066963

Ion Ratio Lower Upper

117 100

82 67.4 53.6 80.4

119 32.8 27.2 40.8



#68

1-Bromo-4-Fluorobenzene

Concen: 10.086 ppbv

RT: 13.780 min Scan# 3476

Delta R.T. 0.007 min

Lab File: VL041217.D

Acq: 6 May 2024 14:21

Tgt Ion: 95 Resp: 1573928

Ion Ratio Lower Upper

95 100

174 68.3 53.6 80.4

175 4.8 4.2 6.4

