

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042324\
 Data File : VL041160.D
 Acq On : 23 Apr 2024 14:38
 Operator : SY/MD
 Sample : P2222-01DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 24 02:52:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL040424AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Apr 24 02:47:46 2024
 Response via : Initial Calibration

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

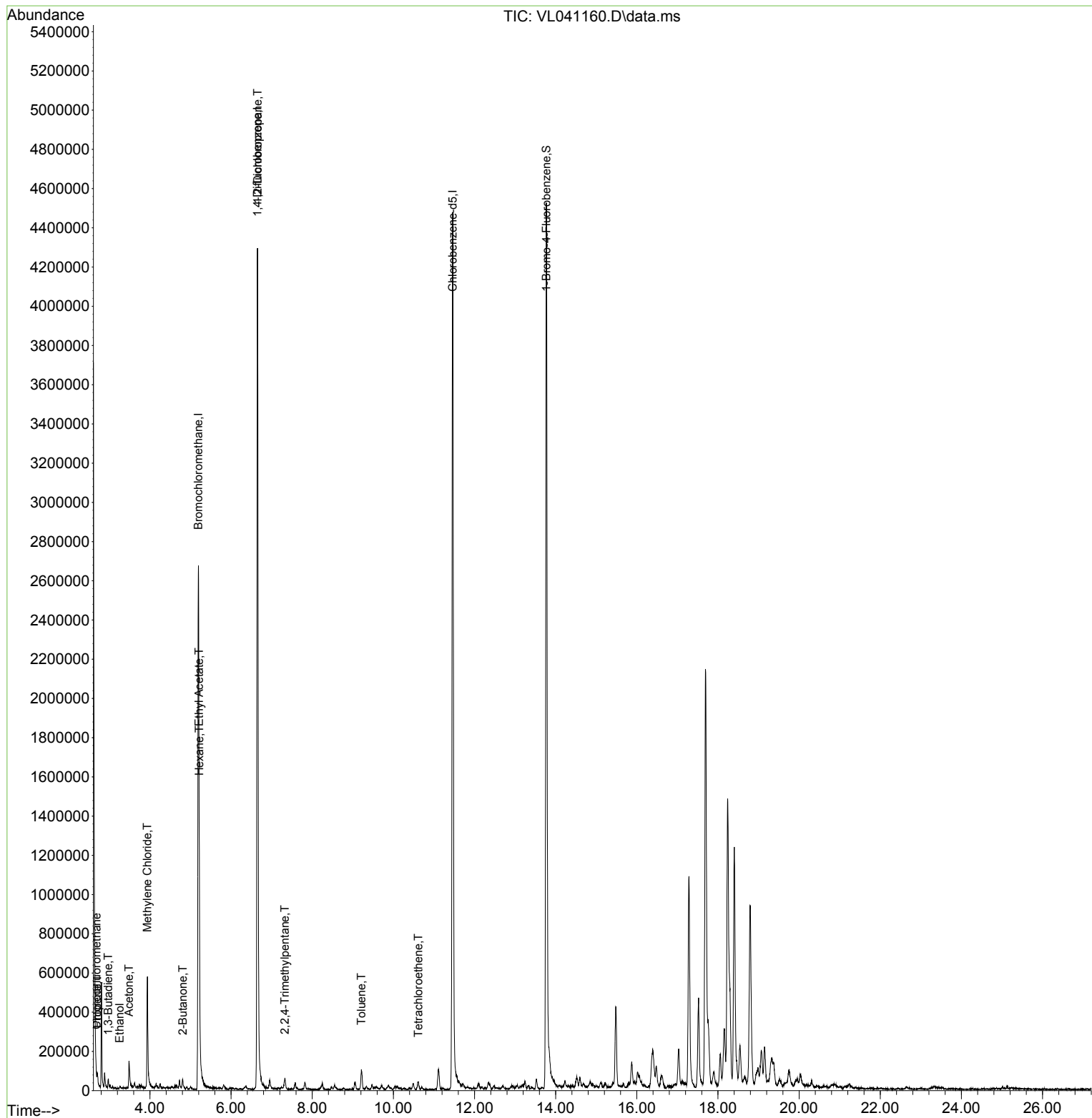
Internal Standards						
1) Bromochloromethane	5.192	49	1285532	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	3329424	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2967626	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.770	95	2326639	9.750	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.500%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	2.681	51	10427	0.053	ppbv #	83
9) Propene	2.700	41	21718	0.345	ppbv	93
13) Ethanol	3.256	45	3810	0.254	ppbv #	38
15) Acetone	3.485	43	141777	1.019	ppbv #	70
16) 1,3-Butadiene	2.970	39	14393	0.211	ppbv #	31
20) Methylene Chloride	3.938	84	183504	3.196	ppbv	93
25) Ethyl Acetate	5.211	43	204388	0.782	ppbv #	77
26) Hexane	5.214	57	291283	2.483	ppbv #	40
34) 2-Butanone	4.809	43	51012	0.362	ppbv #	85
39) 1,2-Dichloropropane	6.652	63	820897	8.515	ppbv #	24
44) 2,2,4-Trimethylpentane	7.327	57	27056	0.067	ppbv #	27
52) Tetrachloroethene	10.616	164	3880	0.050	ppbv #	57
53) Toluene	9.211	91	19426	0.075	ppbv #	1

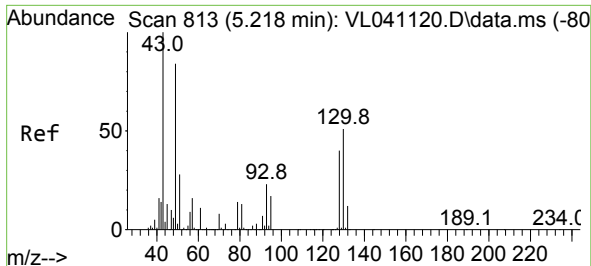
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042324\
Data File : VL041160.D
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Sample : P2222-01DL 20X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
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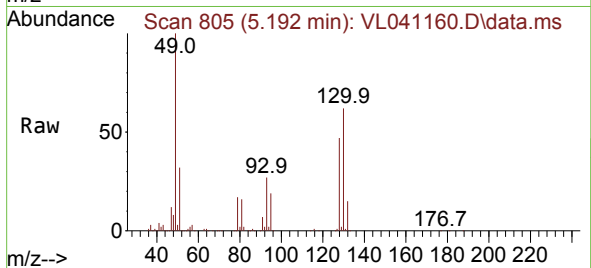
Quant Time: Apr 24 02:52:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL040424AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
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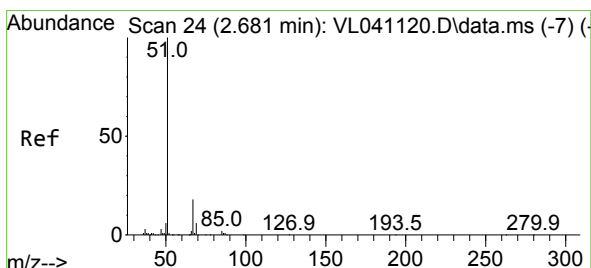
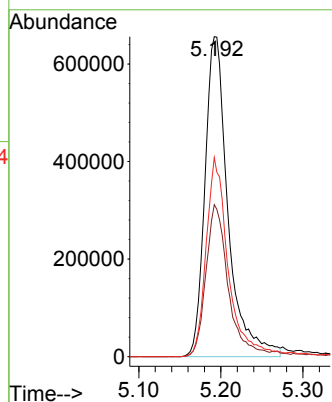
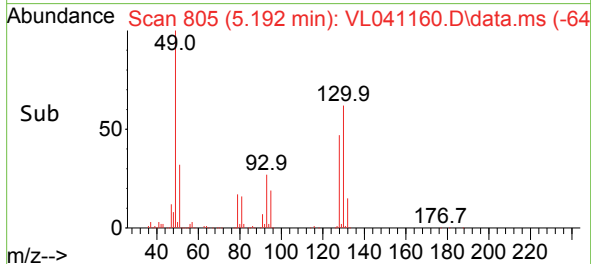


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. 0.003 min
Lab File: VL041160.D
Acq: 23 Apr 2024 14:38

Instrument :
MSVOA_L
ClientSampleId :

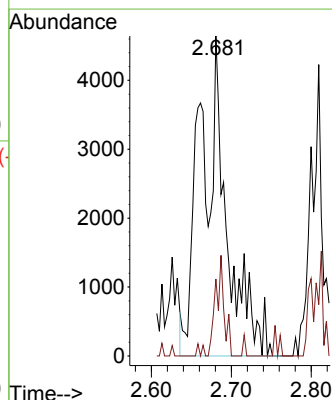
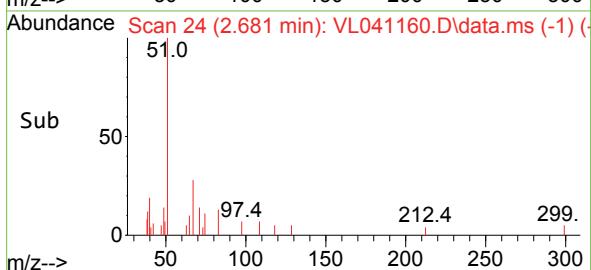
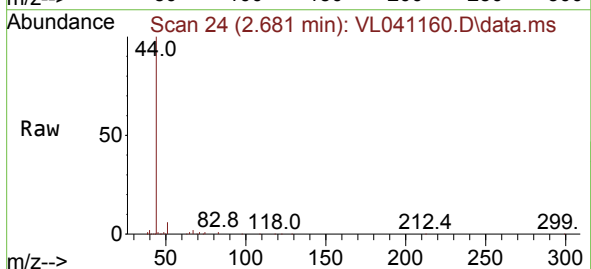


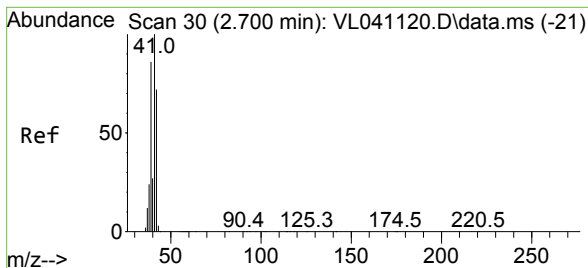
Tgt Ion: 49 Resp: 1285532
Ion Ratio Lower Upper
49 100
128 48.0 23.6 71.0
130 61.8 30.1 90.5



#3
Chlorodifluoromethane
Concen: 0.053 ppbv
RT: 2.681 min Scan# 24
Delta R.T. -0.000 min
Lab File: VL041160.D
Acq: 23 Apr 2024 14:38

Tgt Ion: 51 Resp: 10427
Ion Ratio Lower Upper
51 100
67 10.9 14.9 22.3#





#9

Propene

Concen: 0.345 ppbv

RT: 2.700 min Scan# 30

Delta R.T. -0.000 min

Lab File: VL041160.D

Acq: 23 Apr 2024 14:38

Instrument :

MSVOA_L

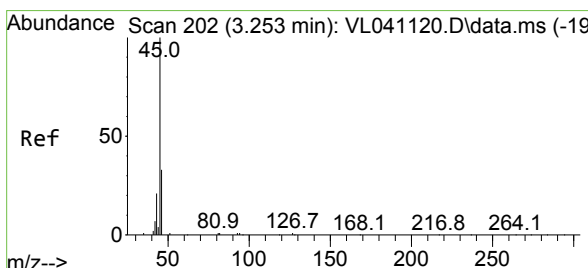
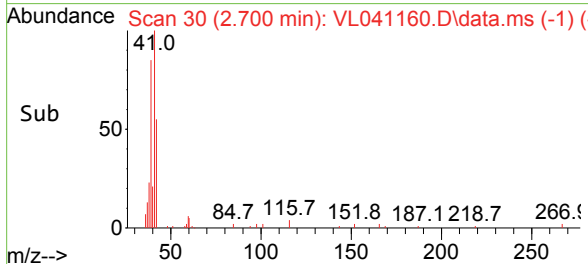
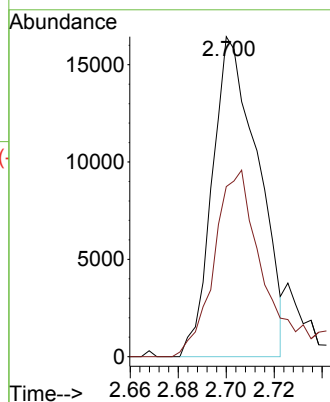
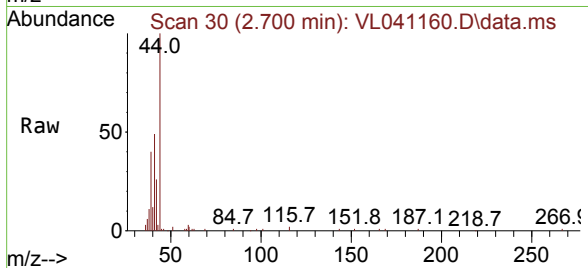
ClientSampleId :

Tgt Ion: 41 Resp: 21718

Ion Ratio Lower Upper

41 100

42 68.8 60.1 90.1



#13

Ethanol

Concen: 0.254 ppbv

RT: 3.256 min Scan# 203

Delta R.T. 0.013 min

Lab File: VL041160.D

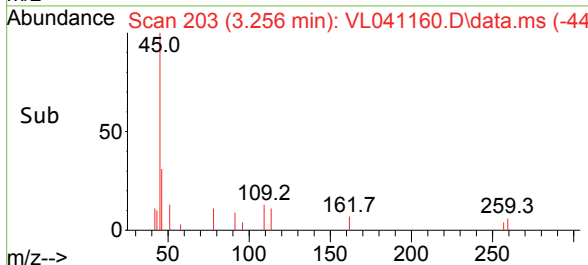
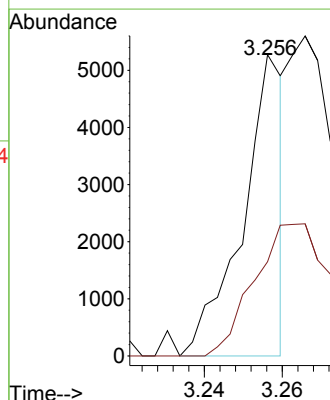
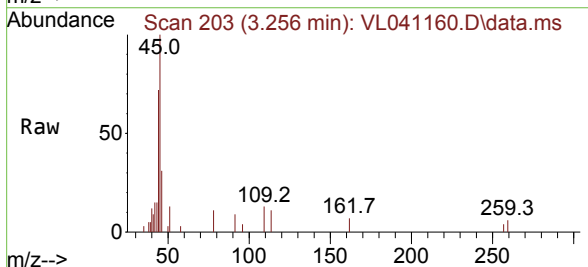
Acq: 23 Apr 2024 14:38

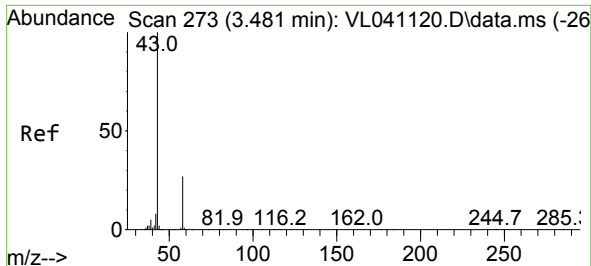
Tgt Ion: 45 Resp: 3810

Ion Ratio Lower Upper

45 100

46 0.0 15.0 59.8#

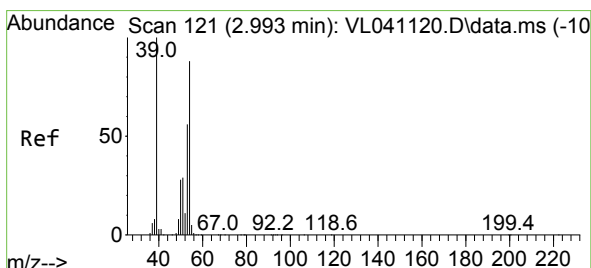
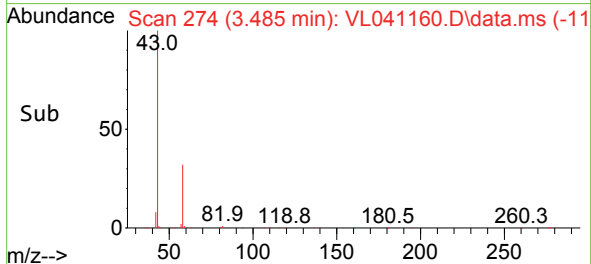
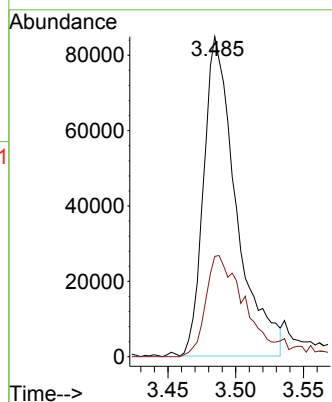
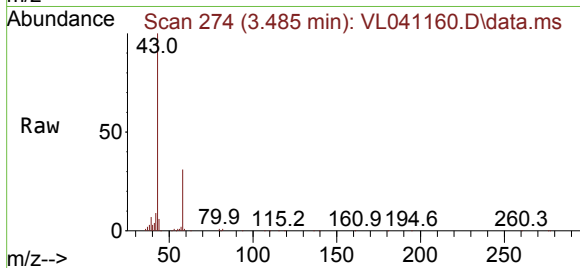




#15
Acetone
Concen: 1.019 ppbv
RT: 3.485 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL041160.D
Acq: 23 Apr 2024 14:38

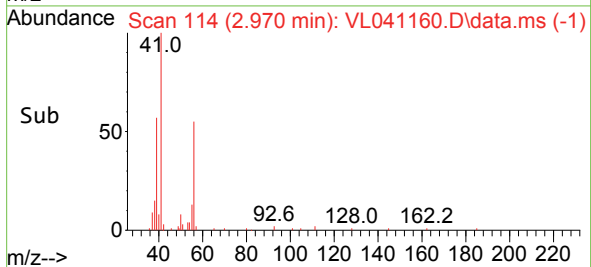
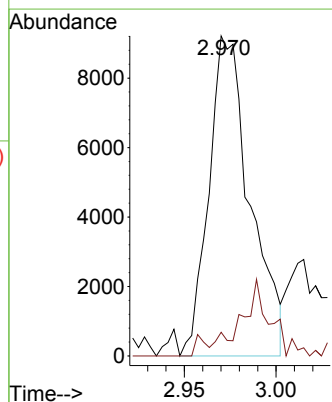
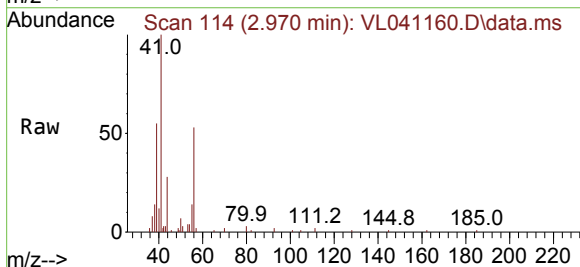
Instrument :
MSVOA_L
ClientSampleId :

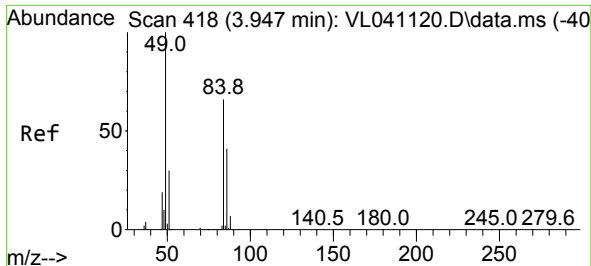
Tgt Ion: 43 Resp: 141777
Ion Ratio Lower Upper
43 100
58 41.8 21.1 31.7#



#16
1,3-Butadiene
Concen: 0.211 ppbv
RT: 2.970 min Scan# 114
Delta R.T. -0.019 min
Lab File: VL041160.D
Acq: 23 Apr 2024 14:38

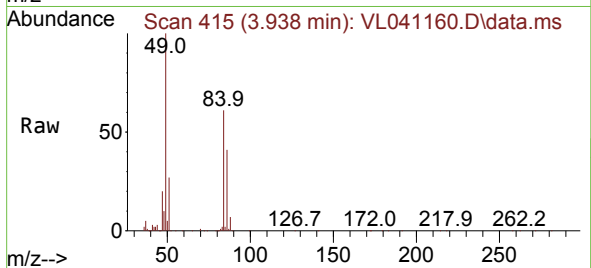
Tgt Ion: 39 Resp: 14393
Ion Ratio Lower Upper
39 100
54 18.9 63.5 95.3#





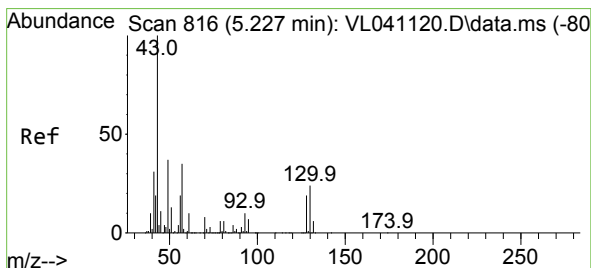
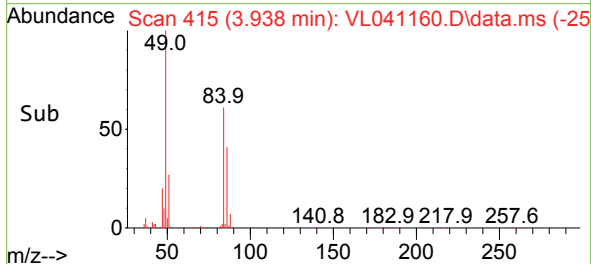
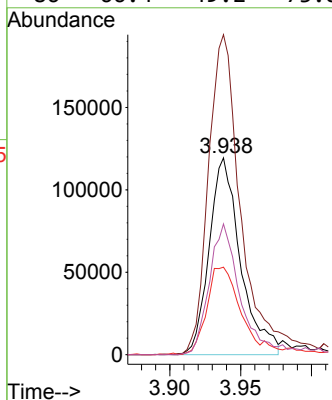
#20
Methylene Chloride
Concen: 3.196 ppbv
RT: 3.938 min Scan# 418
Delta R.T. 0.006 min
Lab File: VL041160.D
Acq: 23 Apr 2024 14:38

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 84 Resp: 183504

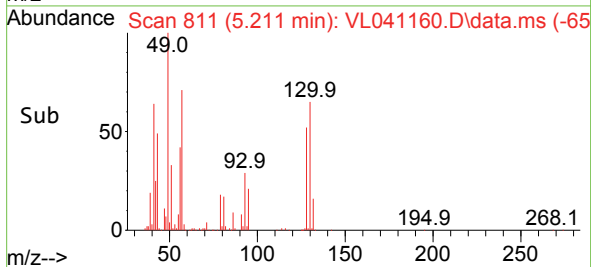
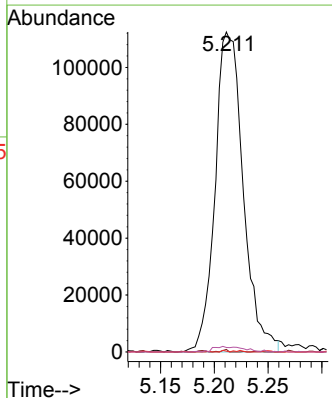
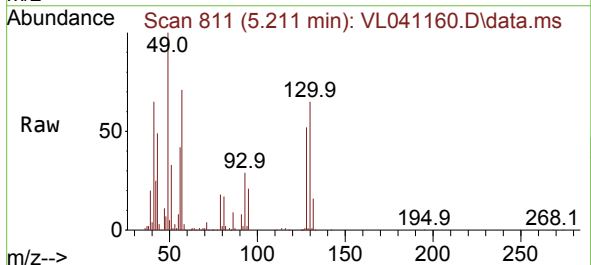
Ion	Ratio	Lower	Upper
84	100		
49	162.0	120.7	181.1
51	44.5	36.6	54.8
86	66.4	49.2	73.8

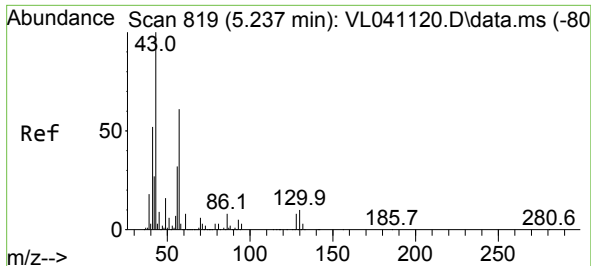


#25
Ethyl Acetate
Concen: 0.782 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.013 min
Lab File: VL041160.D
Acq: 23 Apr 2024 14:38

Tgt Ion: 43 Resp: 204388

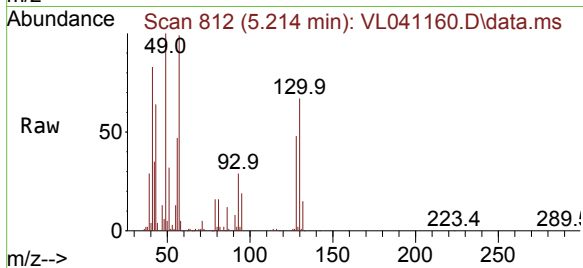
Ion	Ratio	Lower	Upper
43	100		
45	0.3	8.0	12.0#
61	0.2	7.8	11.6#
70	1.9	5.4	8.0#



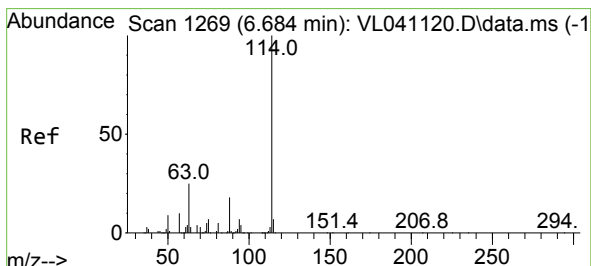
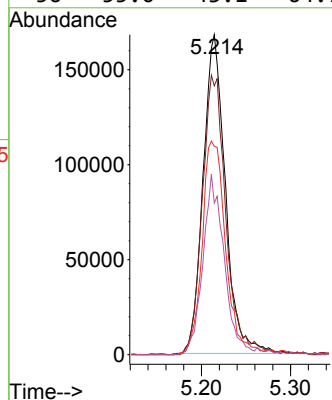
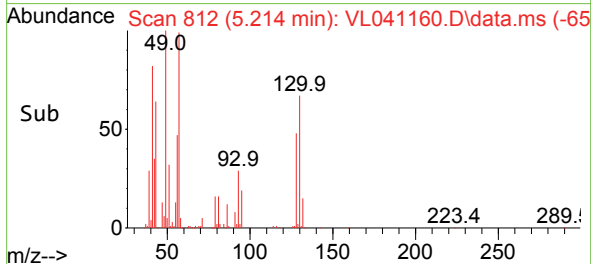


#26
Hexane
Concen: 2.483 ppbv
RT: 5.214 min Scan# 819
Delta R.T. 0.006 min
Lab File: VL041160.D
Acq: 23 Apr 2024 14:38

Instrument :
MSVOA_L
ClientSampleId :

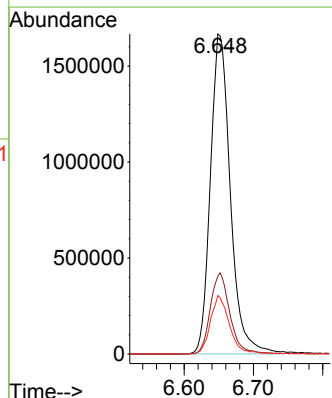
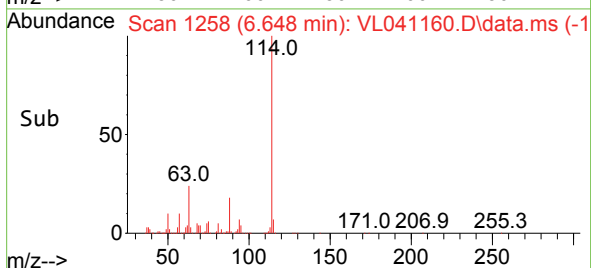
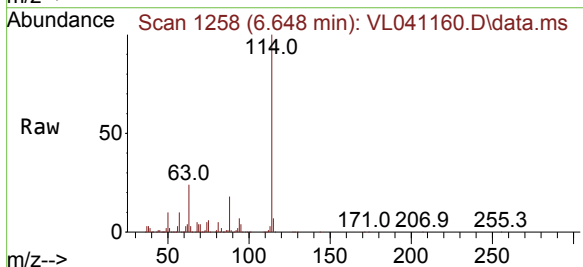


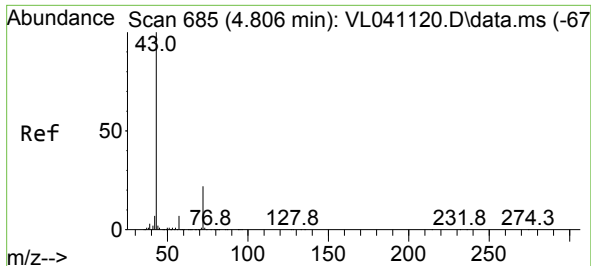
Tgt Ion: 57 Resp: 291283
Ion Ratio Lower Upper
57 100
41 94.1 73.8 110.8
43 72.0 186.2 279.2#
56 55.0 43.1 64.7



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.648 min Scan# 1258
Delta R.T. 0.003 min
Lab File: VL041160.D
Acq: 23 Apr 2024 14:38

Tgt Ion: 114 Resp: 3329424
Ion Ratio Lower Upper
114 100
63 25.0 20.9 31.3
88 17.5 14.5 21.7

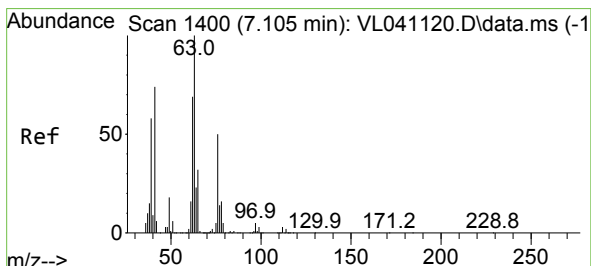
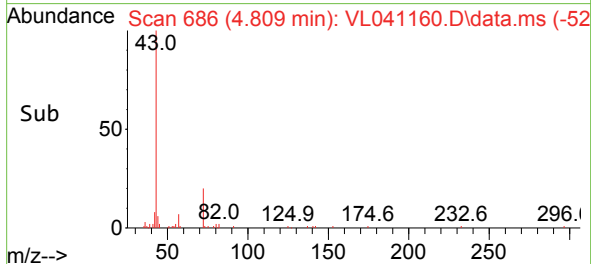
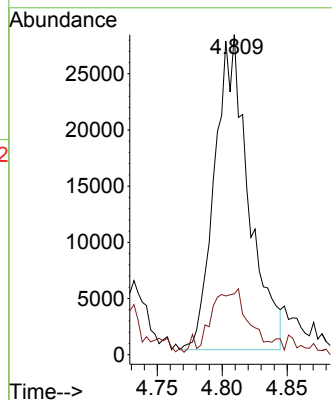
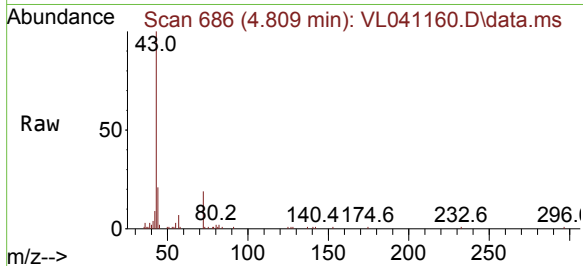




#34
2-Butanone
Concen: 0.362 ppbv
RT: 4.809 min Scan# 61
Delta R.T. 0.029 min
Lab File: VL041160.D
Acq: 23 Apr 2024 14:38

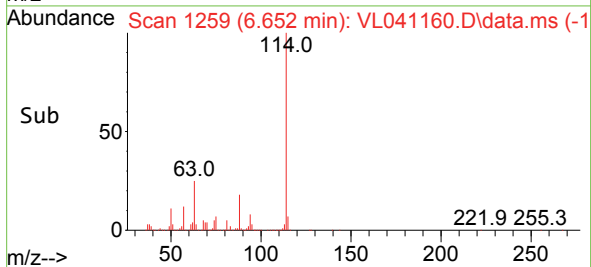
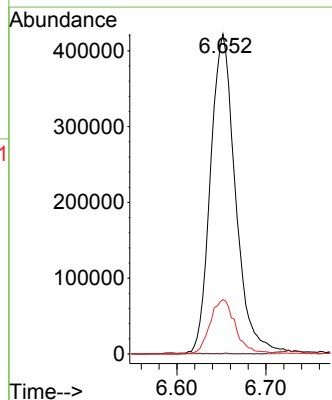
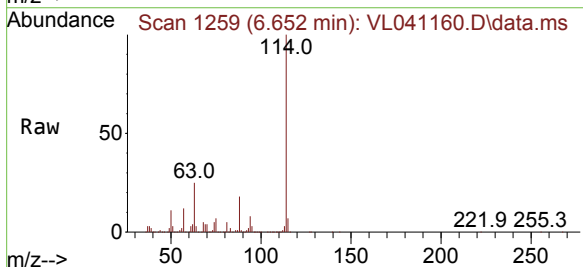
Instrument :
MSVOA_L
ClientSampleId :

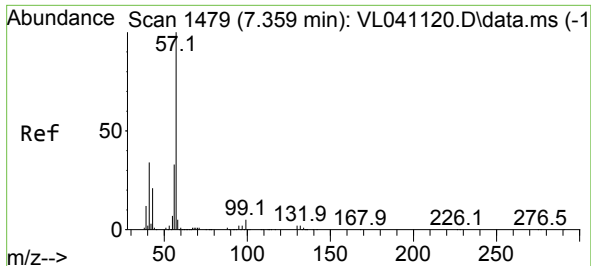
Tgt Ion: 43 Resp: 51012
Ion Ratio Lower Upper
43 100
72 29.2 17.6 26.4#



#39
1,2-Dichloropropane
Concen: 8.515 ppbv
RT: 6.652 min Scan# 1259
Delta R.T. -0.412 min
Lab File: VL041160.D
Acq: 23 Apr 2024 14:38

Tgt Ion: 63 Resp: 820897
Ion Ratio Lower Upper
63 100
41 0.0 58.7 88.1#
62 17.0 55.5 83.3#

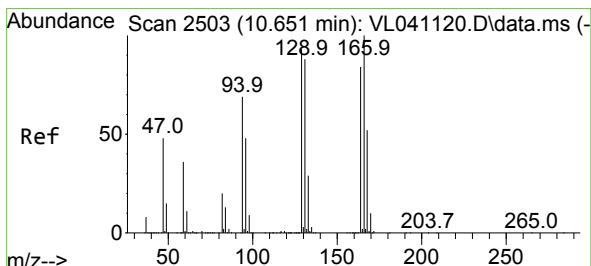
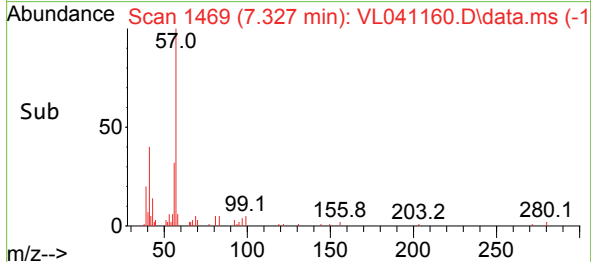
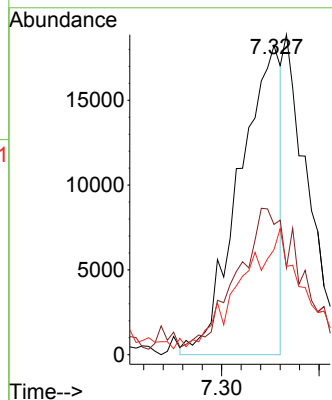
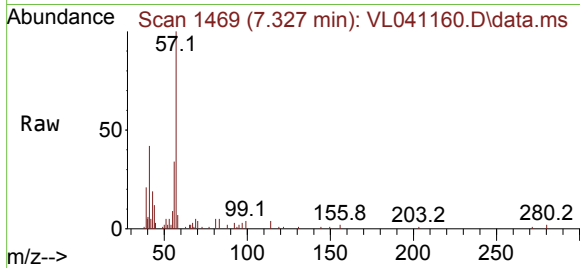




#44
2,2,4-Trimethylpentane
Concen: 0.067 ppbv
RT: 7.327 min Scan# 1479
Delta R.T. 0.006 min
Lab File: VL041160.D
Acq: 23 Apr 2024 14:38

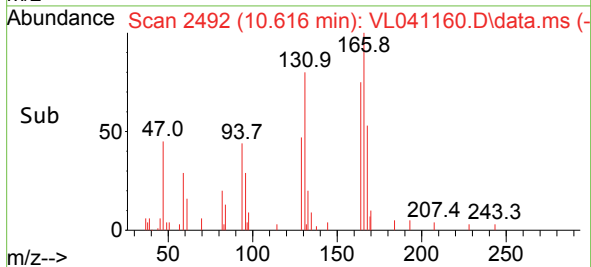
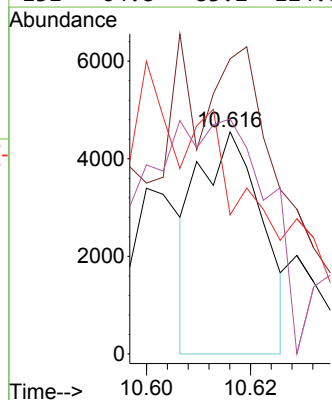
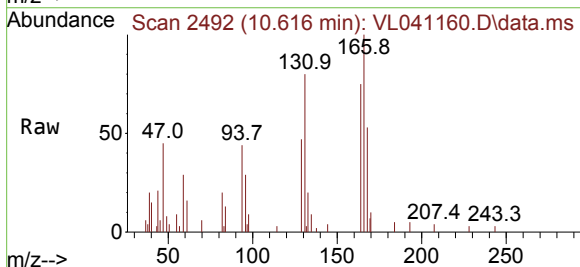
Instrument :
MSVOA_L
ClientSampleId :

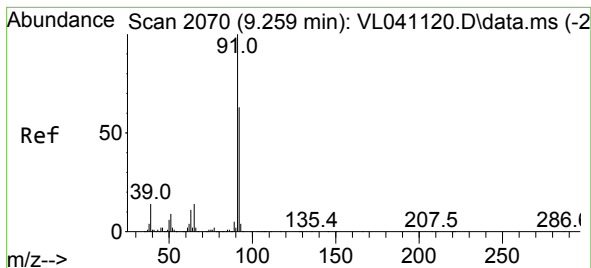
Tgt Ion: 57 Resp: 27056
Ion Ratio Lower Upper
57 100
41 86.1 28.2 42.2#
56 0.0 25.2 37.8#



#52
Tetrachloroethene
Concen: 0.050 ppbv
RT: 10.616 min Scan# 2492
Delta R.T. 0.010 min
Lab File: VL041160.D
Acq: 23 Apr 2024 14:38

Tgt Ion: 164 Resp: 3880
Ion Ratio Lower Upper
164 100
166 108.5 95.0 142.6
129 21.2 88.7 133.1#
131 64.8 83.2 124.8#





#53

Toluene

Concen: 0.075 ppbv

RT: 9.211 min Scan# 2070

Delta R.T. -0.000 min

Lab File: VL041160.D

Acq: 23 Apr 2024 14:38

Instrument :

MSVOA_L

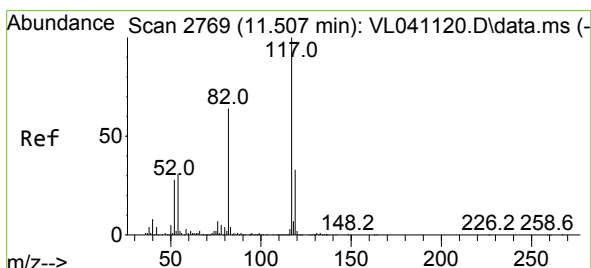
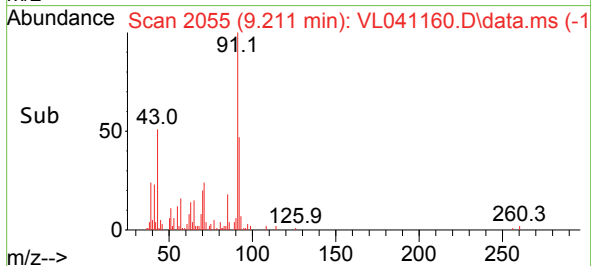
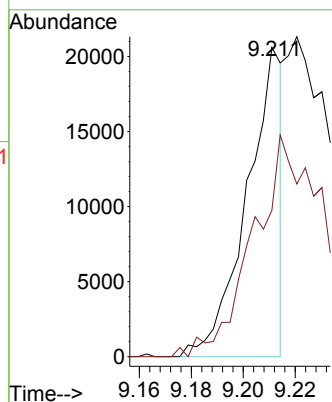
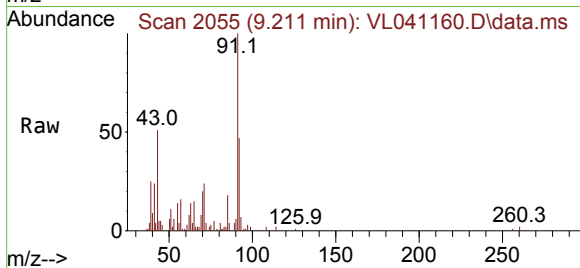
ClientSampleId :

Tgt Ion: 91 Resp: 19426

Ion Ratio Lower Upper

91 100

92 150.3 49.0 73.4#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.465 min Scan# 2756

Delta R.T. 0.010 min

Lab File: VL041160.D

Acq: 23 Apr 2024 14:38

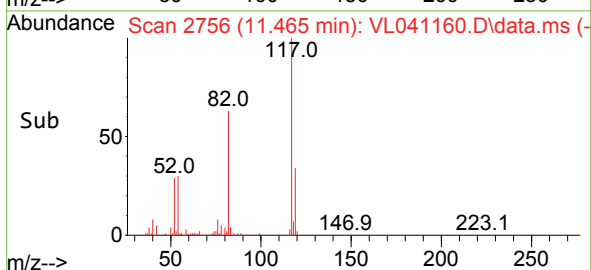
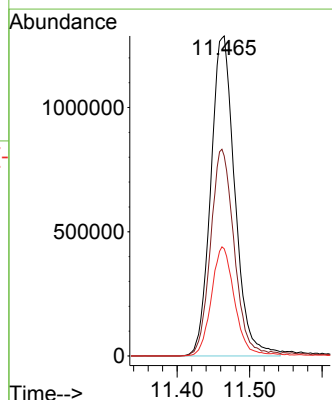
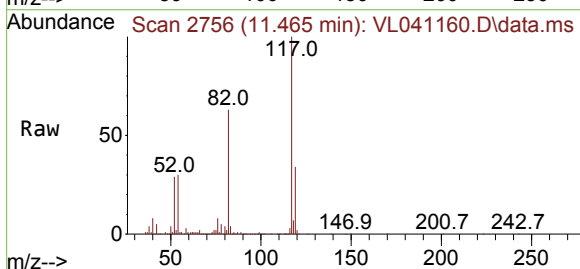
Tgt Ion: 117 Resp: 2967626

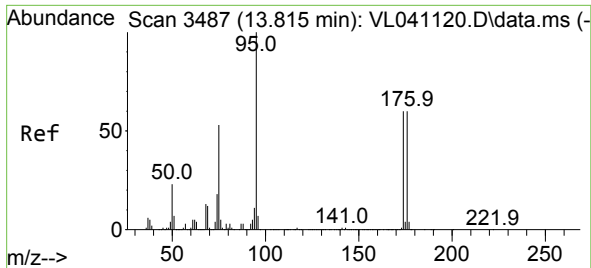
Ion Ratio Lower Upper

117 100

82 65.5 51.0 76.6

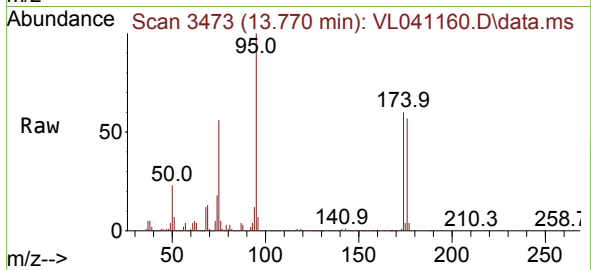
119 33.3 25.2 37.8





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.750 ppbv
 RT: 13.770 min Scan# 34
 Delta R.T. 0.006 min
 Lab File: VL041160.D
 Acq: 23 Apr 2024 14:38

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion: 95 Resp: 2326639

Ion	Ratio	Lower	Upper
95	100		
174	62.5	49.3	73.9
175	4.6	3.6	5.4

