

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011624\
 Data File : VL040983.D
 Acq On : 16 Jan 2024 12:18
 Operator : SY/MD
 Sample : VL0116ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jan 17 00:24:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Jan 17 00:20:56 2024
 Response via : Initial Calibration

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

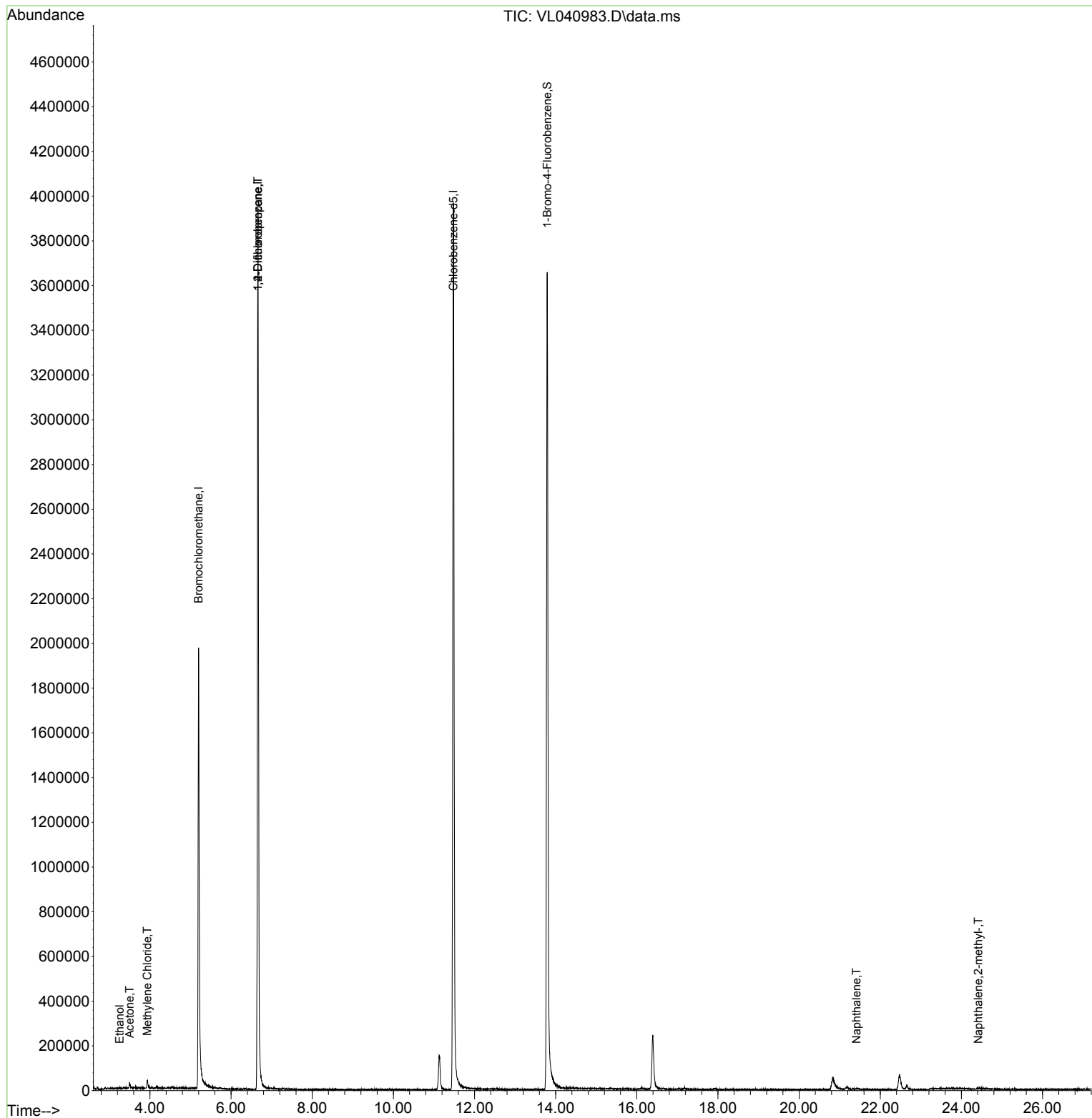
Internal Standards						
1) Bromochloromethane	5.198	49	1017235	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	3083077	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	2582304	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.793	95	1966711	10.340	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.400%
Target Compounds						
					Qvalue	
13) Ethanol	3.256	45	519	0.041	ppbv #	37
15) Acetone	3.500	43	21588	0.177	ppbv #	69
20) Methylene Chloride	3.934	84	11324	0.260	ppbv #	63
39) 1,2-Dichloropropane	6.664	63	773011	8.162	ppbv #	23
79) Naphthalene	21.416	128	2941	0.022	ppbv #	1
80) Naphthalene,2-methyl-	24.413	142	3685	0.149	ppbv #	77

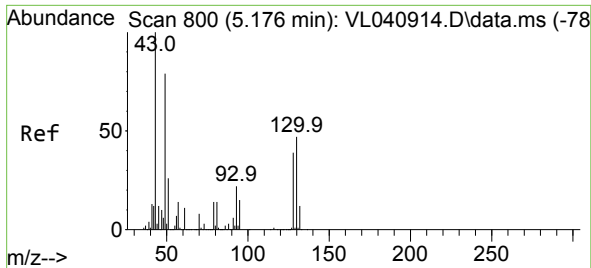
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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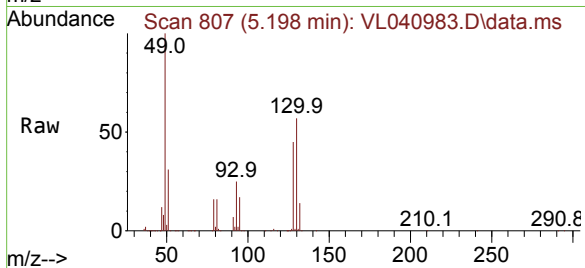
Quant Time: Jan 17 00:24:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
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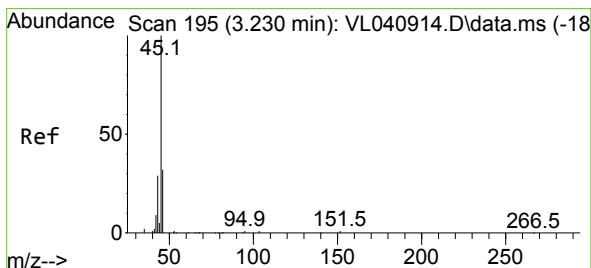
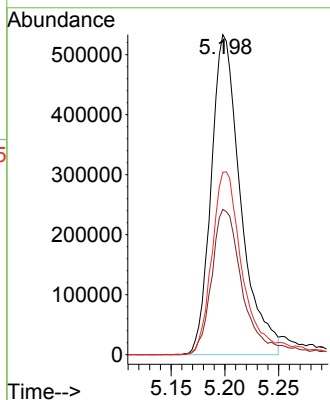
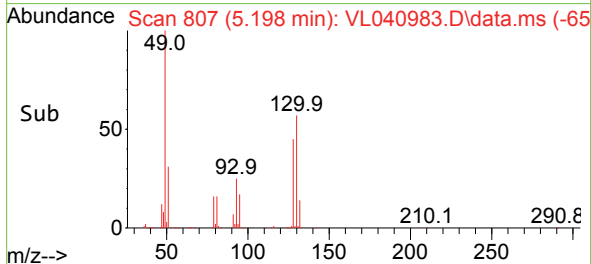


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.198 min Scan# 80
Delta R.T. 0.000 min
Lab File: VL040983.D
Acq: 16 Jan 2024 12:18

Instrument :
MSVOA_L
ClientSampleId :

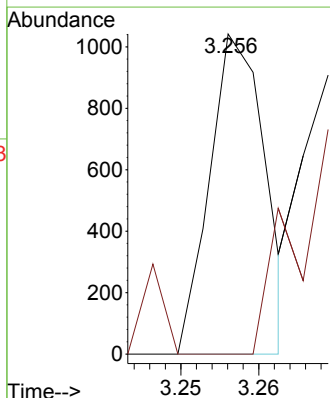
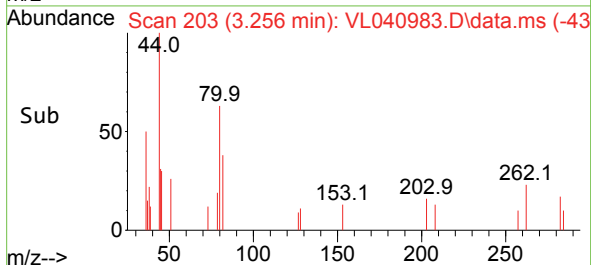
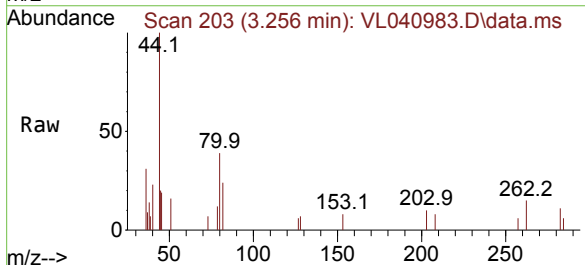


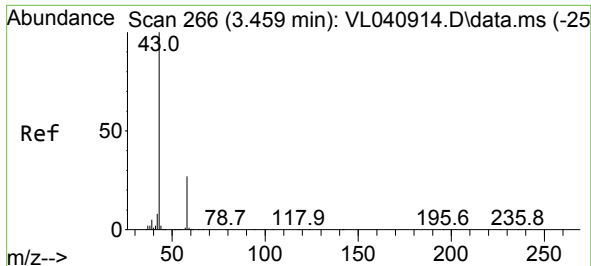
Tgt Ion: 49 Resp: 1017235
Ion Ratio Lower Upper
49 100
128 49.1 23.8 71.2
130 63.3 30.1 90.5



#13
Ethanol
Concen: 0.041 ppbv
RT: 3.256 min Scan# 203
Delta R.T. 0.016 min
Lab File: VL040983.D
Acq: 16 Jan 2024 12:18

Tgt Ion: 45 Resp: 519
Ion Ratio Lower Upper
45 100
46 0.0 15.0 60.0#

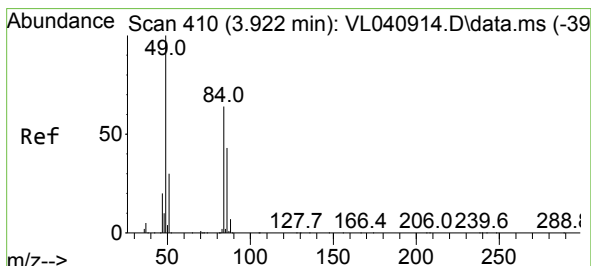
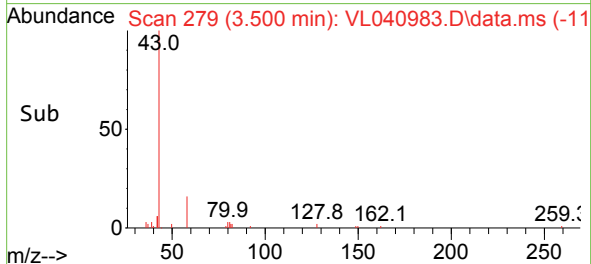
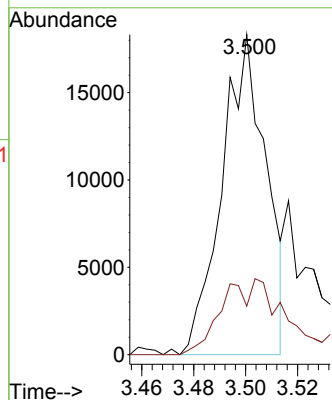
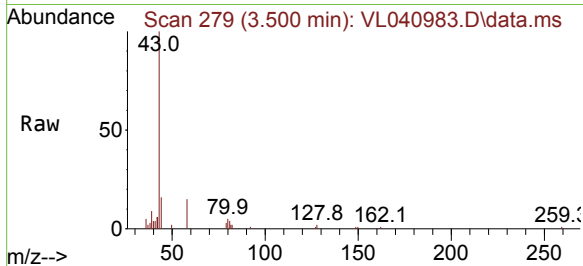




#15
Acetone
Concen: 0.177 ppbv
RT: 3.500 min Scan# 21
Delta R.T. 0.035 min
Lab File: VL040983.D
Acq: 16 Jan 2024 12:18

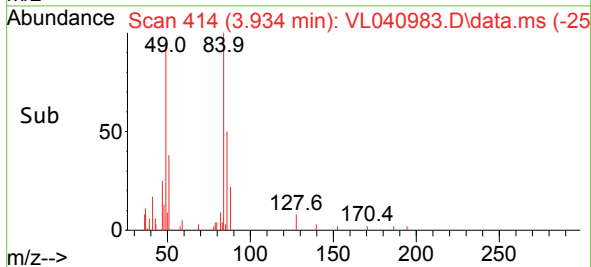
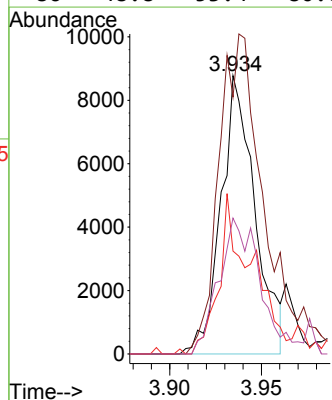
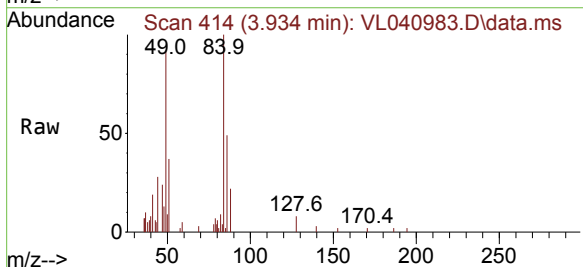
Instrument :
MSVOA_L
ClientSampleId :

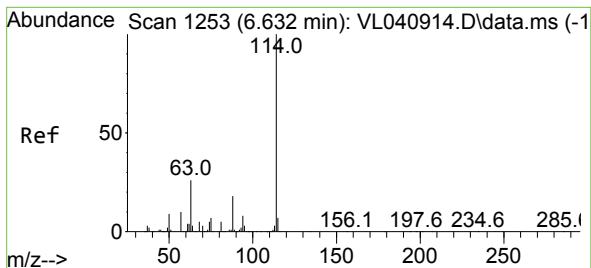
Tgt Ion: 43 Resp: 21588
Ion Ratio Lower Upper
43 100
58 41.5 20.6 30.8#



#20
Methylene Chloride
Concen: 0.260 ppbv
RT: 3.934 min Scan# 414
Delta R.T. -0.000 min
Lab File: VL040983.D
Acq: 16 Jan 2024 12:18

Tgt Ion: 84 Resp: 11324
Ion Ratio Lower Upper
84 100
49 92.3 124.6 187.0#
51 35.2 37.2 55.8#
86 48.8 53.4 80.0#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.664 min Scan# 1263

Delta R.T. 0.003 min

Lab File: VL040983.D

Acq: 16 Jan 2024 12:18

Instrument :

MSVOA_L

ClientSampleId :

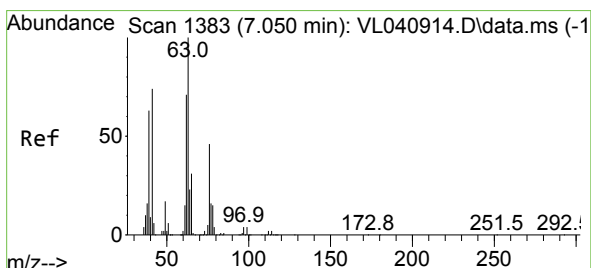
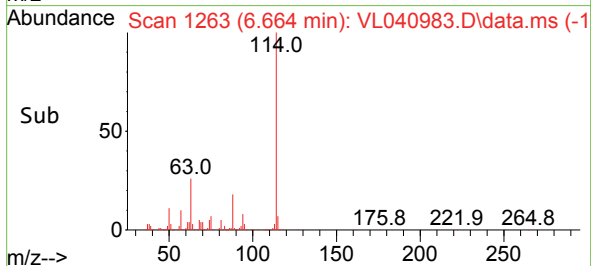
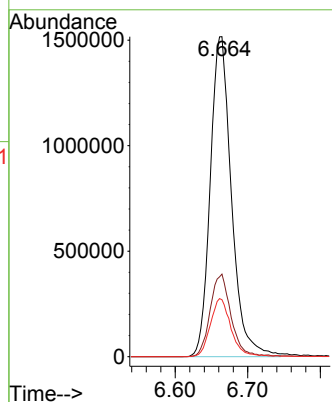
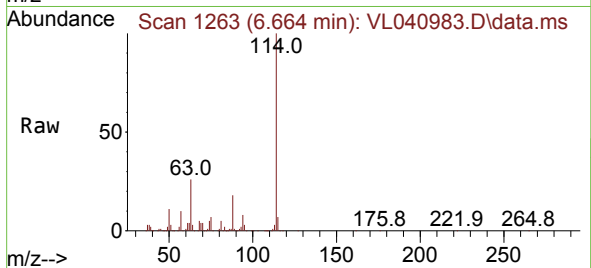
Tgt Ion:114 Resp: 3083077

Ion Ratio Lower Upper

114 100

63 25.6 21.0 31.6

88 17.8 14.3 21.5



#39

1,2-Dichloropropane

Concen: 8.162 ppbv

RT: 6.664 min Scan# 1263

Delta R.T. -0.415 min

Lab File: VL040983.D

Acq: 16 Jan 2024 12:18

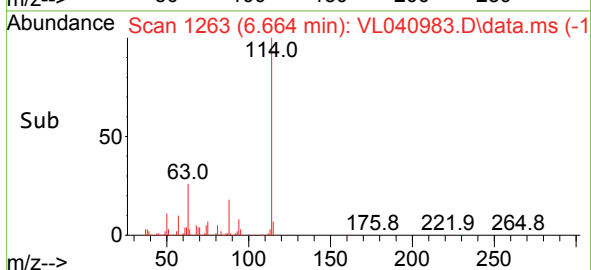
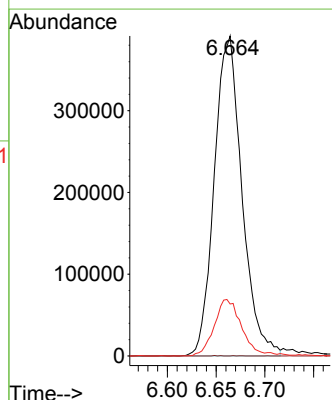
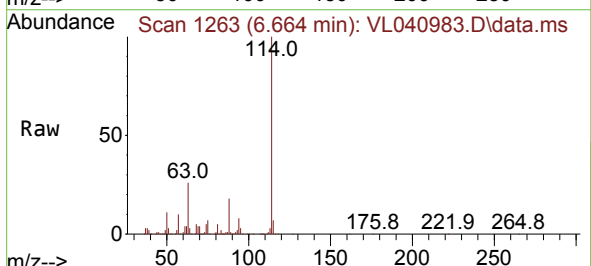
Tgt Ion: 63 Resp: 773011

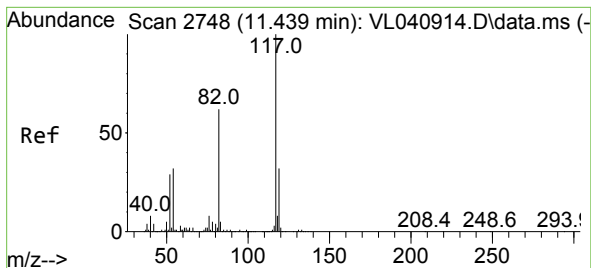
Ion Ratio Lower Upper

63 100

41 0.0 59.0 88.6#

62 16.2 56.6 85.0#

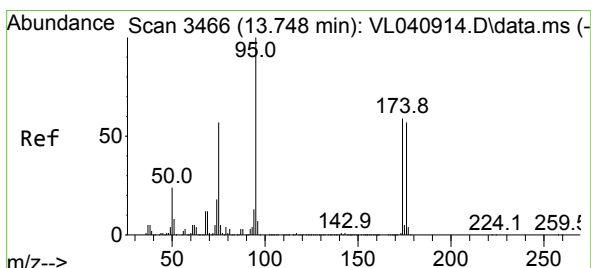
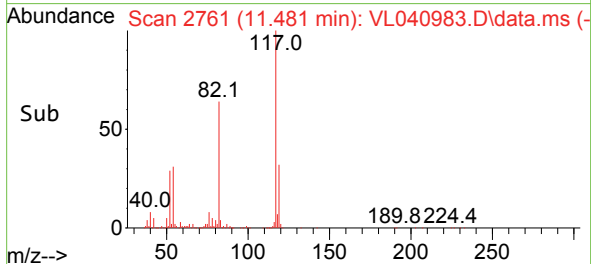
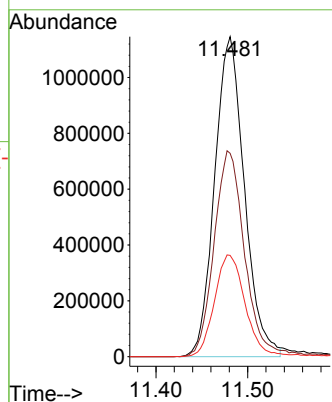
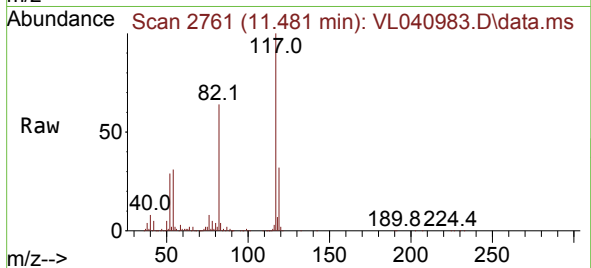




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.481 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040983.D
Acq: 16 Jan 2024 12:18

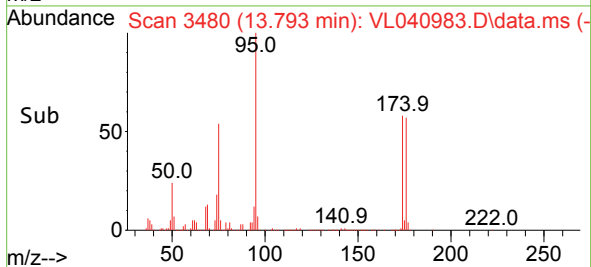
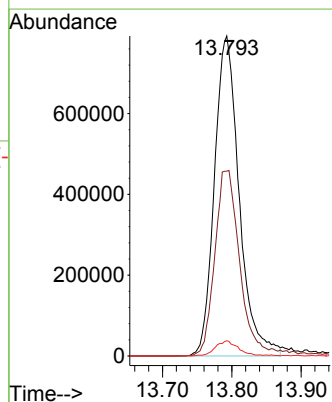
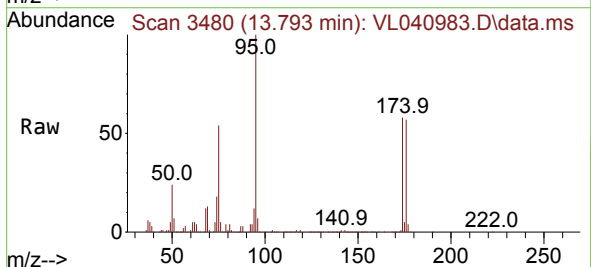
Instrument :
MSVOA_L
ClientSampleId :

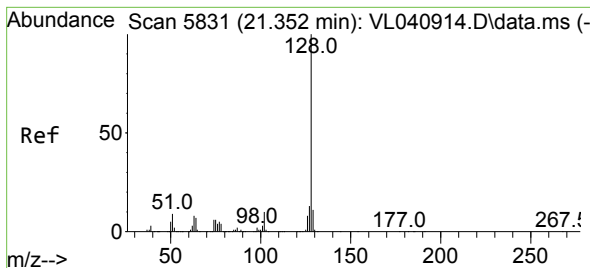
Tgt Ion:117 Resp: 2582304
Ion Ratio Lower Upper
117 100
82 67.3 49.6 74.4
119 33.5 23.4 35.0



#68
1-Bromo-4-Fluorobenzene
Concen: 10.340 ppbv
RT: 13.793 min Scan# 3480
Delta R.T. 0.003 min
Lab File: VL040983.D
Acq: 16 Jan 2024 12:18

Tgt Ion: 95 Resp: 1966711
Ion Ratio Lower Upper
95 100
174 60.4 48.0 72.0
175 4.6 3.7 5.5





#79

Naphthalene

Concen: 0.022 ppbv

RT: 21.416 min Scan# 5831

Delta R.T. 0.013 min

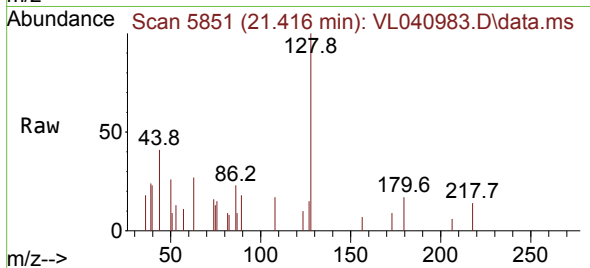
Lab File: VL040983.D

Acq: 16 Jan 2024 12:18

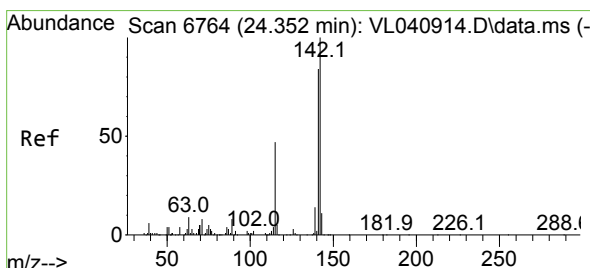
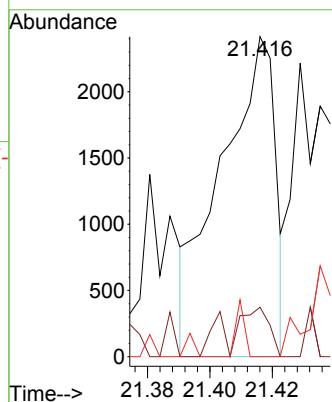
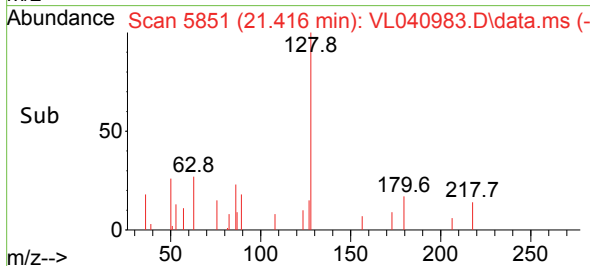
Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:	128	Resp:	2941
Ion Ratio	Lower	Upper	
128	100		
127	175.8	10.6	15.8#
129	0.0	8.7	13.1#



#80

Naphthalene,2-methyl-

Concen: 0.149 ppbv

RT: 24.413 min Scan# 6783

Delta R.T. 0.022 min

Lab File: VL040983.D

Acq: 16 Jan 2024 12:18

Tgt Ion:	142	Resp:	3685
Ion Ratio	Lower	Upper	
142	100		
141	58.3	68.5	102.7#
115	49.7	34.5	51.7

