

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121222\
 Data File : VL039973.D
 Acq On : 12 Dec 2022 13:08
 Operator : SY/MD
 Sample : QC120522 CAN 10320
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC120522 CAN 10320

Quant Time: Dec 13 06:09:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Dec 02 23:21:36 2022
 Response via : Initial Calibration

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

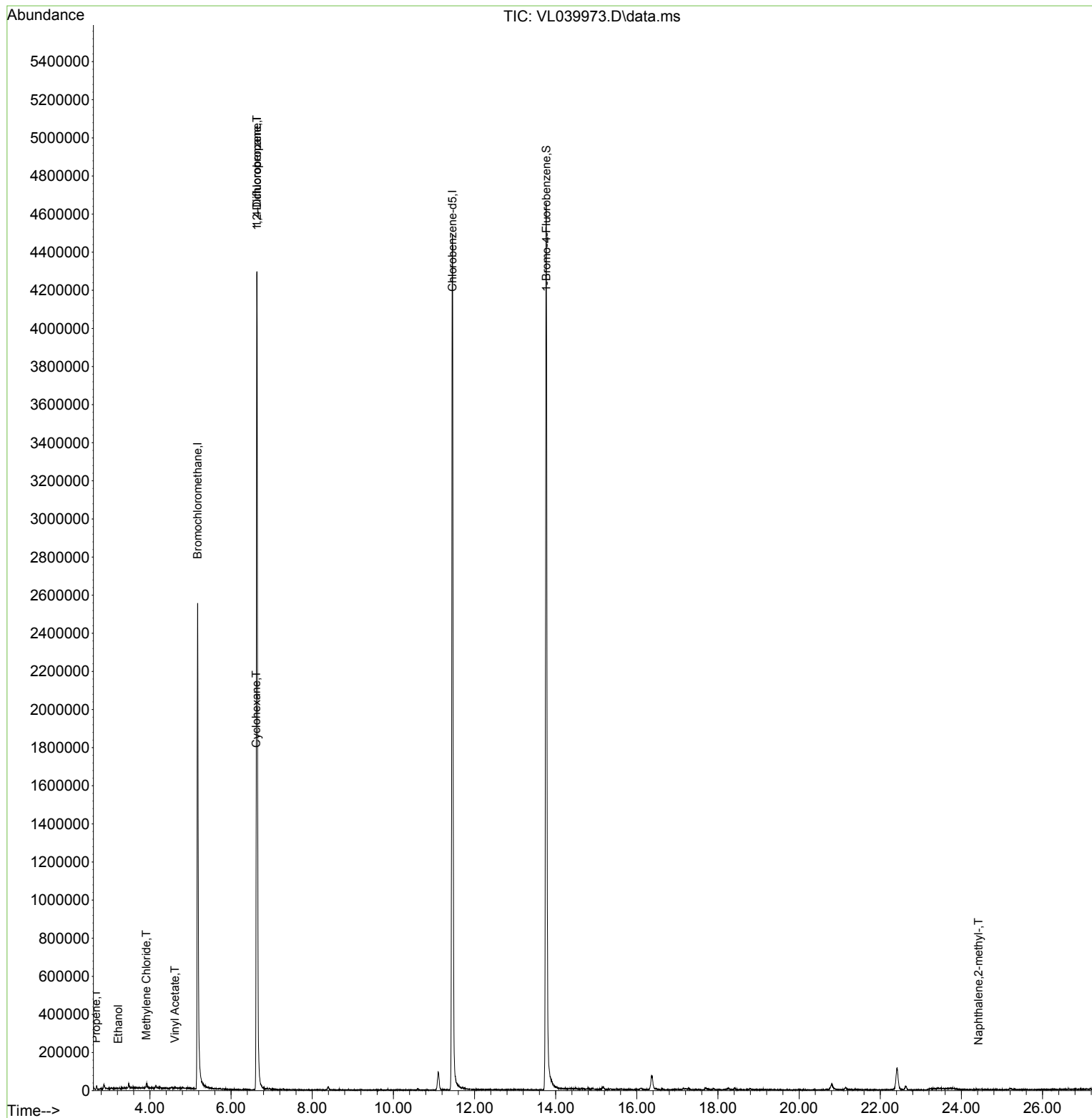
Internal Standards						
1) Bromochloromethane	5.176	49	1227943	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.639	114	3302777	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.455	117	2945108	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	2381148	10.585	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.900%
Target Compounds						
					Qvalue	
9) Propene	2.674	41	1763	0.022	ppbv #	15
13) Ethanol	3.221	45	181	0.030	ppbv #	38
20) Methylene Chloride	3.912	84	3323	0.042	ppbv #	70
23) Vinyl Acetate	4.620	43	3442	0.051	ppbv #	80
30) Cyclohexane	6.619	84	3342	0.026	ppbv #	1
39) 1,2-Dichloropropane	6.636	63	819306	7.491	ppbv #	27
80) Naphthalene,2-methyl-	24.423	142	3542	0.061	ppbv #	54

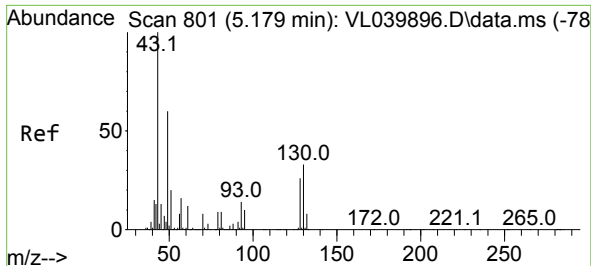
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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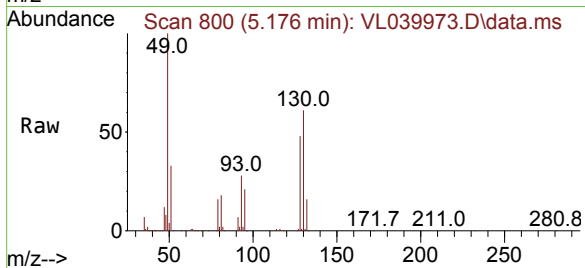
Quant Time: Dec 13 06:09:22 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M
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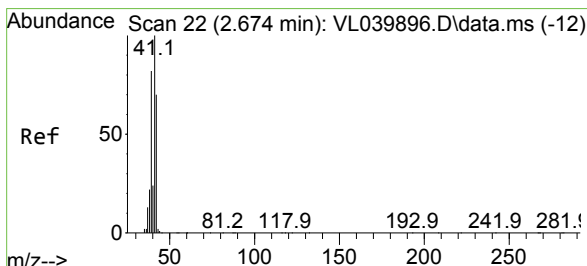
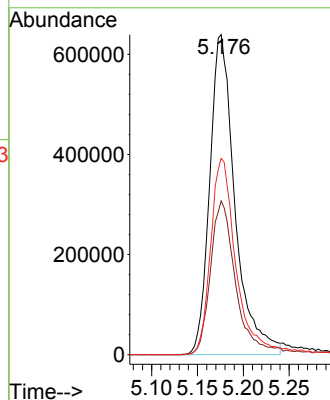
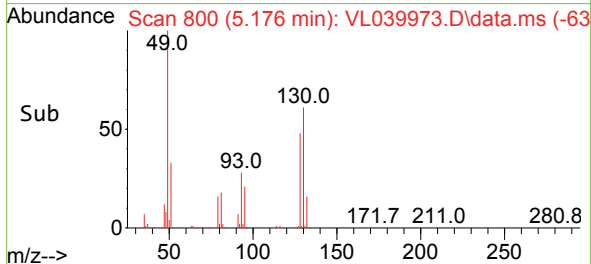


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.176 min Scan# 80
Delta R.T. 0.020 min
Lab File: VL039973.D
Acq: 12 Dec 2022 13:08

Instrument :
MSVOA_L
ClientSampleId :
QC120522 CAN 10320

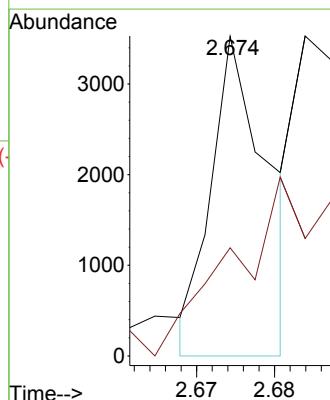
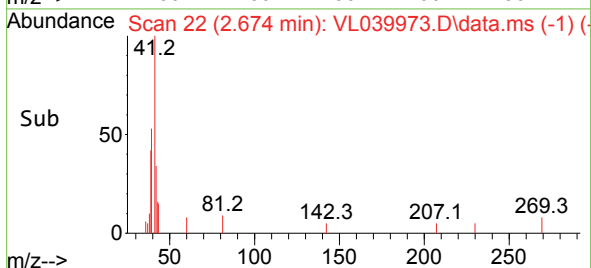
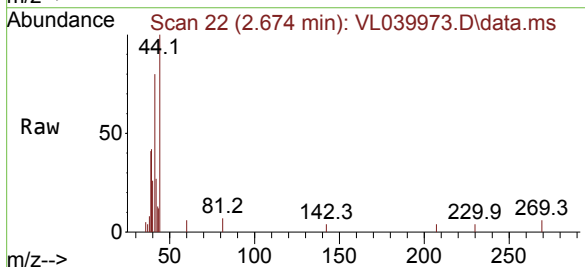


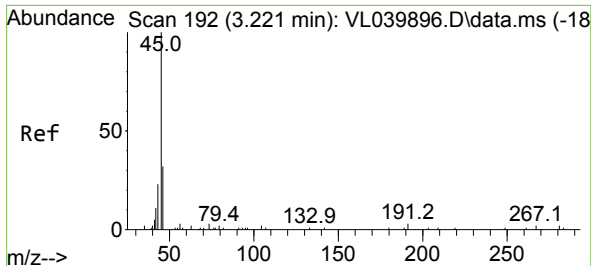
Tgt Ion: 49 Resp: 1227943
Ion Ratio Lower Upper
49 100
128 50.0 22.1 66.3
130 63.9 27.7 83.1



#9
Propene
Concen: 0.022 ppbv
RT: 2.674 min Scan# 22
Delta R.T. 0.013 min
Lab File: VL039973.D
Acq: 12 Dec 2022 13:08

Tgt Ion: 41 Resp: 1763
Ion Ratio Lower Upper
41 100
42 0.0 55.8 83.6#

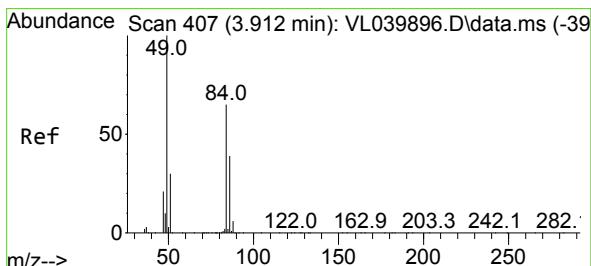
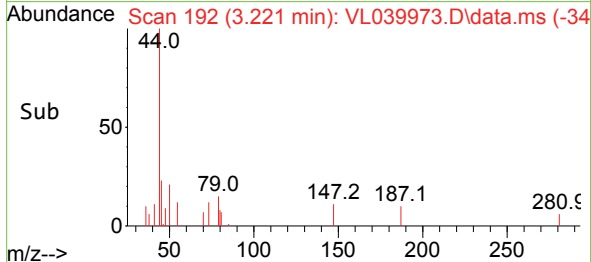
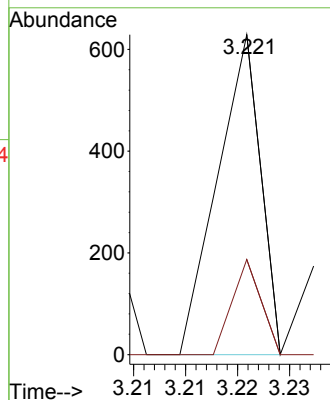
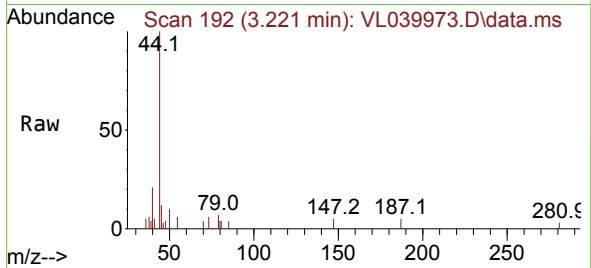




#13
Ethanol
Concen: 0.030 ppbv
RT: 3.221 min Scan# 192
Delta R.T. 0.007 min
Lab File: VL039973.D
Acq: 12 Dec 2022 13:08

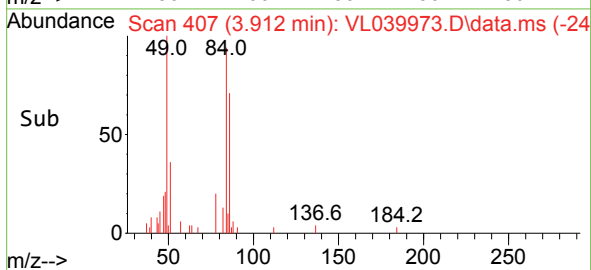
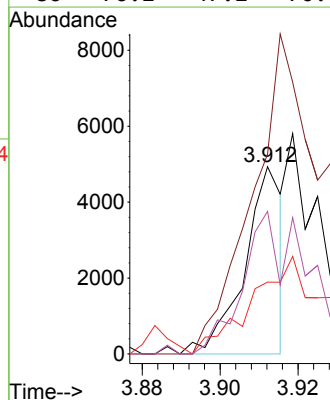
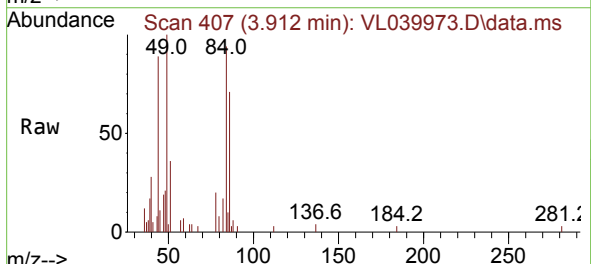
Instrument :
MSVOA_L
ClientSampleId :
QC120522 CAN 10320

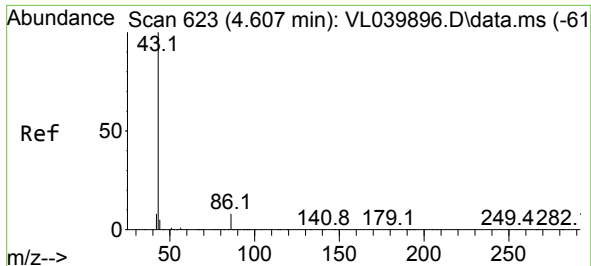
Tgt Ion: 45 Resp: 181
Ion Ratio Lower Upper
45 100
46 0.0 14.6 58.2#



#20
Methylene Chloride
Concen: 0.042 ppbv
RT: 3.912 min Scan# 407
Delta R.T. 0.016 min
Lab File: VL039973.D
Acq: 12 Dec 2022 13:08

Tgt Ion: 84 Resp: 3323
Ion Ratio Lower Upper
84 100
49 106.8 122.2 183.4#
51 34.3 36.3 54.5#
86 76.2 47.2 70.8#

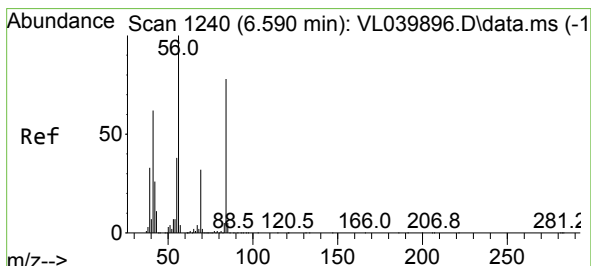
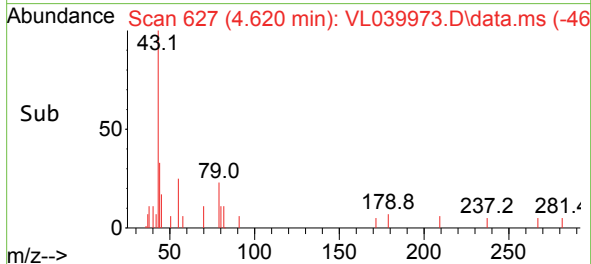
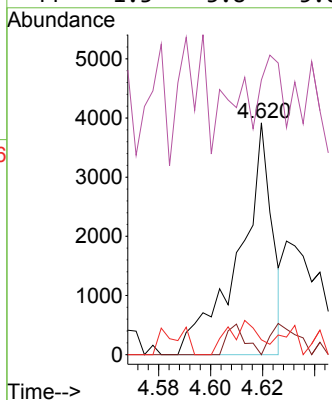
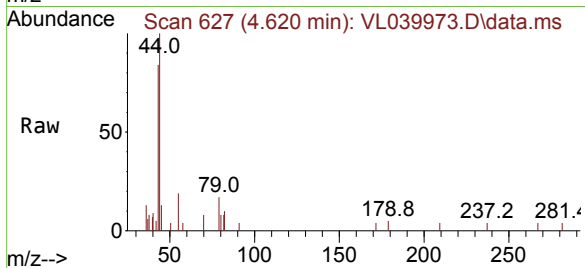




#23
 Vinyl Acetate
 Concen: 0.051 ppbv
 RT: 4.620 min Scan# 61
 Delta R.T. 0.026 min
 Lab File: VL039973.D
 Acq: 12 Dec 2022 13:08

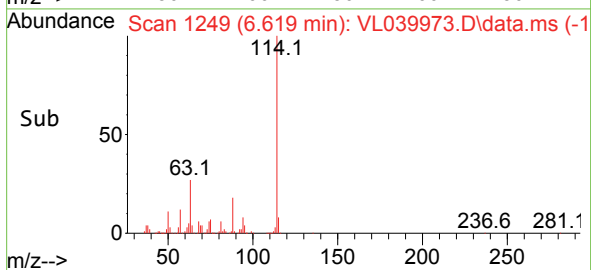
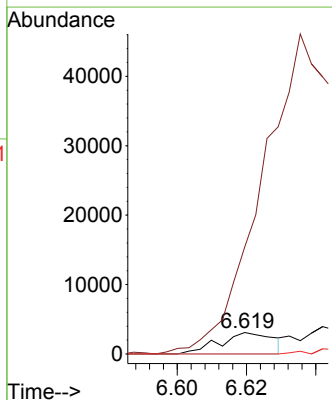
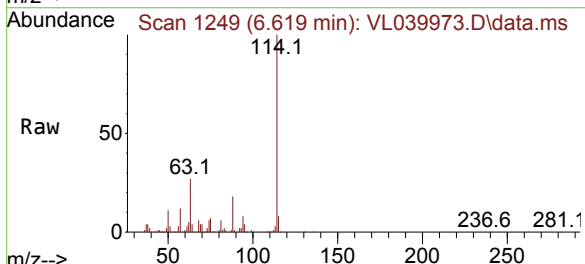
Instrument :
 MSVOA_L
 ClientSampleId :
 QC120522 CAN 10320

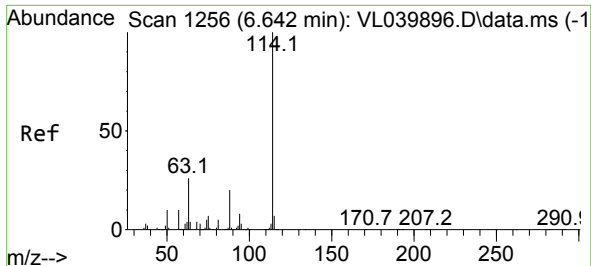
Tgt Ion:	43	Resp:	3442
Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.0	7.4#
42	0.4	7.6	11.4#
44	1.3	3.8	5.6#



#30
 Cyclohexane
 Concen: 0.026 ppbv
 RT: 6.619 min Scan# 1249
 Delta R.T. 0.055 min
 Lab File: VL039973.D
 Acq: 12 Dec 2022 13:08

Tgt Ion:	84	Resp:	3342
Ion	Ratio	Lower	Upper
84	100		
56	0.0	112.5	168.7#
41	8.0	67.8	101.8#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.639 min Scan# 11

Delta R.T. 0.019 min

Lab File: VL039973.D

Acq: 12 Dec 2022 13:08

Instrument :

MSVOA_L

ClientSampleId :

QC120522 CAN 10320

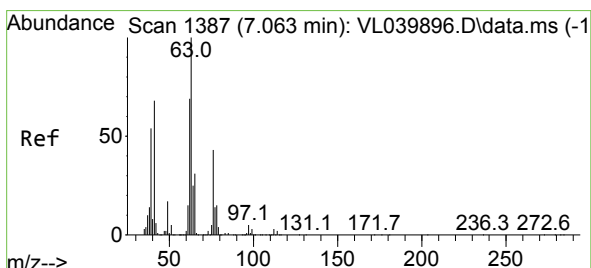
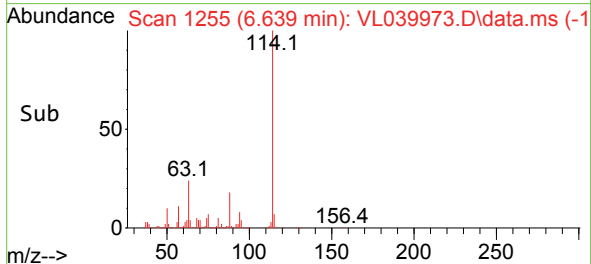
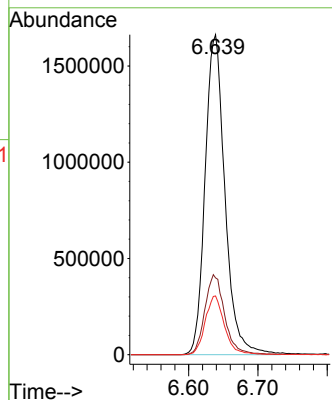
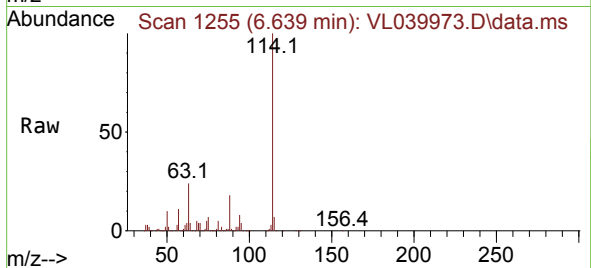
Tgt Ion:114 Resp: 3302777

Ion Ratio Lower Upper

114 100

63 25.3 21.4 32.0

88 18.0 15.3 22.9



#39

1,2-Dichloropropane

Concen: 7.491 ppbv

RT: 6.636 min Scan# 1254

Delta R.T. -0.398 min

Lab File: VL039973.D

Acq: 12 Dec 2022 13:08

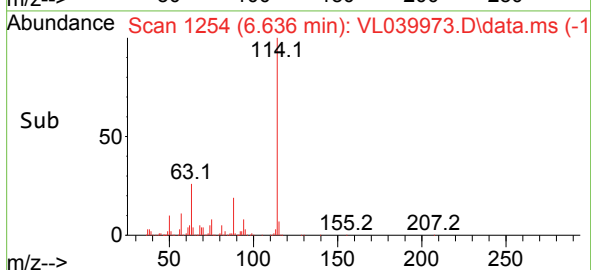
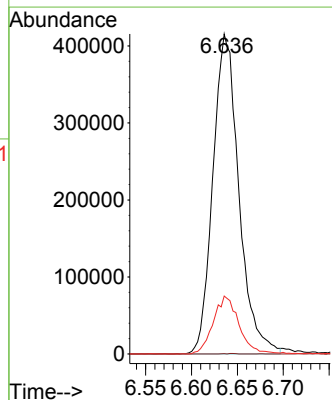
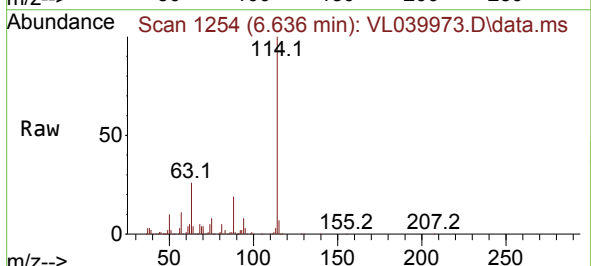
Tgt Ion: 63 Resp: 819306

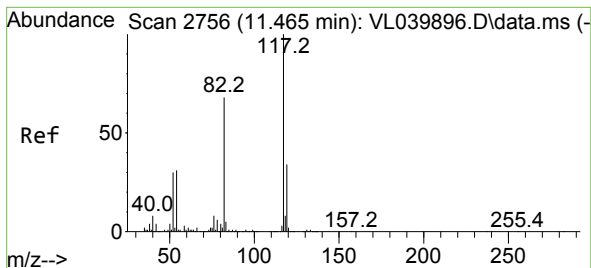
Ion Ratio Lower Upper

63 100

41 0.1 54.7 82.1#

62 18.1 55.0 82.6#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.455 min Scan# 21

Delta R.T. 0.023 min

Lab File: VL039973.D

Acq: 12 Dec 2022 13:08

Instrument :

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ClientSampleId :

QC120522 CAN 10320

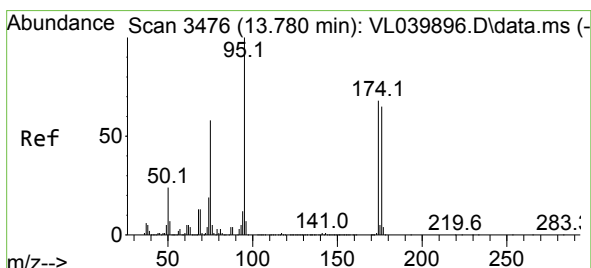
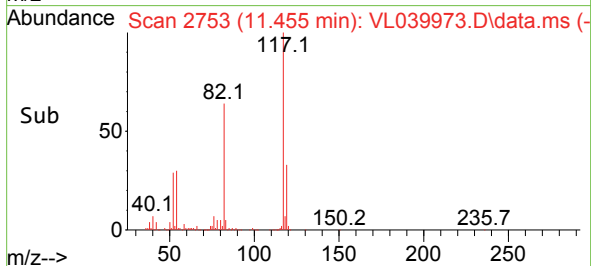
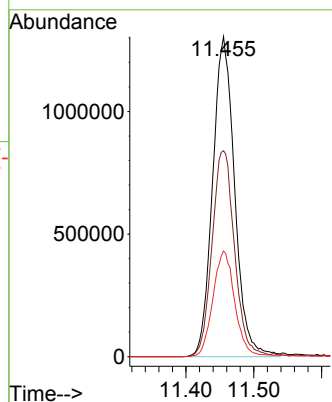
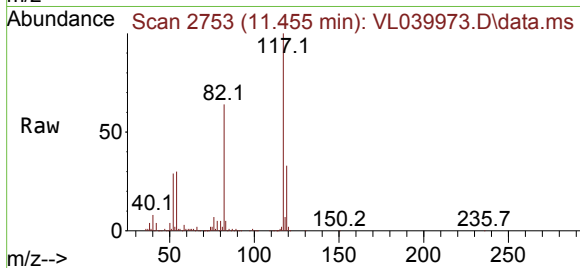
Tgt Ion:117 Resp: 2945108

Ion Ratio Lower Upper

117 100

82 66.6 52.3 78.5

119 33.1 25.7 38.5



#68

1-Bromo-4-Fluorobenzene

Concen: 10.585 ppbv

RT: 13.767 min Scan# 3472

Delta R.T. 0.026 min

Lab File: VL039973.D

Acq: 12 Dec 2022 13:08

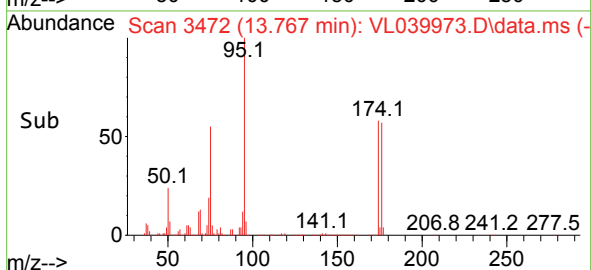
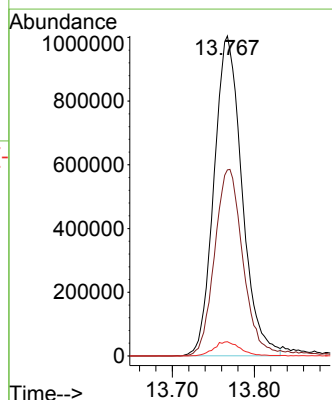
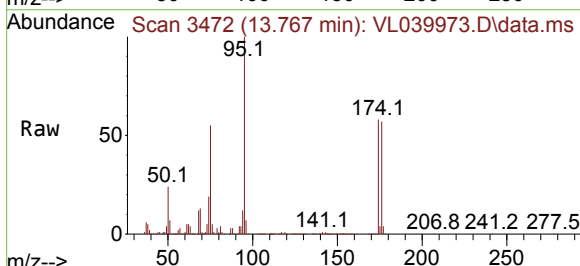
Tgt Ion: 95 Resp: 2381148

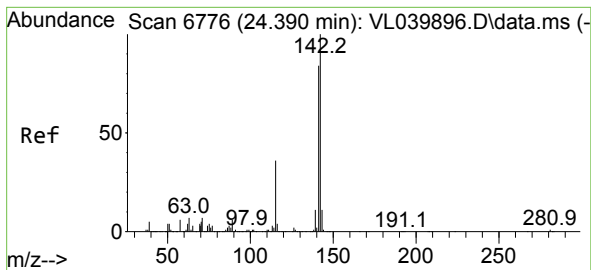
Ion Ratio Lower Upper

95 100

174 61.3 53.7 80.5

175 4.4 4.0 6.0





#80

Naphthalene, 2-methyl-

Concen: 0.061 ppbv

RT: 24.423 min Scan# 61

Delta R.T. 0.074 min

Lab File: VL039973.D

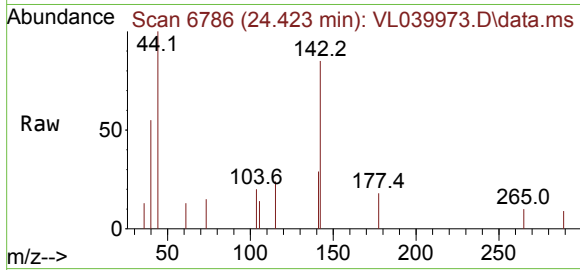
Acq: 12 Dec 2022 13:08

Instrument :

MSVOA_L

ClientSampleId :

QC120522 CAN 10320



Tgt Ion:142 Resp: 3542

Ion Ratio Lower Upper

142 100

141 29.7 69.1 103.7#

115 30.8 29.6 44.4

