

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121222\
 Data File : VL039971.D
 Acq On : 12 Dec 2022 11:30
 Operator : SY/MD
 Sample : VL1212ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1212ABL01

Quant Time: Dec 13 06:08:21 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)

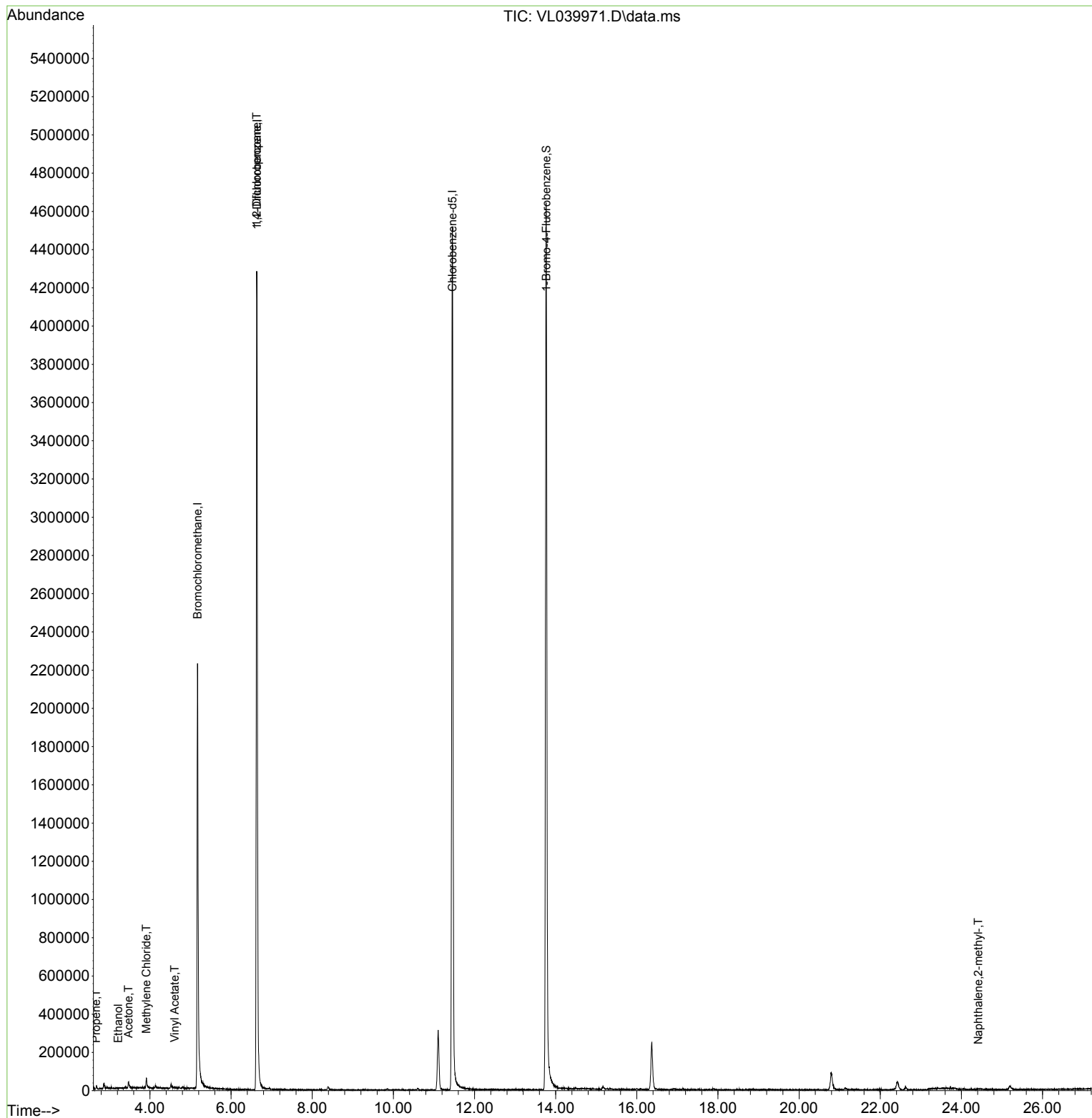
Internal Standards						
1) Bromochloromethane	5.173	49	1162709	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.635	114	3328127	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.452	117	2951082	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	2427873	10.771	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.700%
Target Compounds						
					Qvalue	
9) Propene	2.674	41	2275	0.030	ppbv #	36
13) Ethanol	3.221	45	342	0.059	ppbv #	38
15) Acetone	3.472	43	32237	0.209	ppbv #	83
20) Methylene Chloride	3.915	84	14728	0.197	ppbv	89
23) Vinyl Acetate	4.610	43	2054	0.032	ppbv #	23
39) 1,2-Dichloropropane	6.632	63	828280	7.515	ppbv #	27
80) Naphthalene,2-methyl-	24.416	142	2170	0.037	ppbv #	60

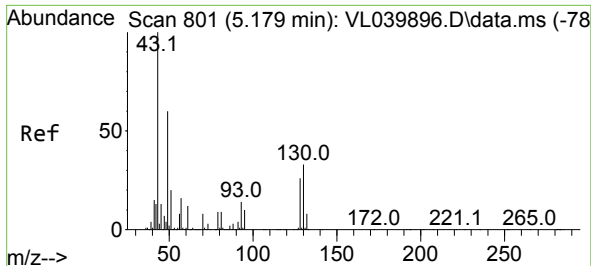
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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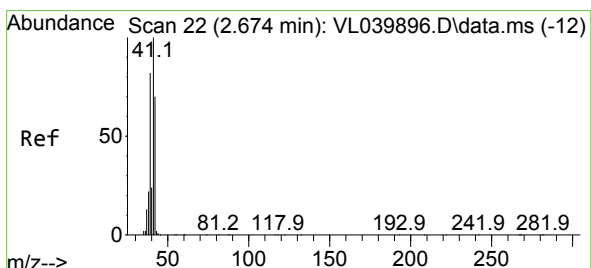
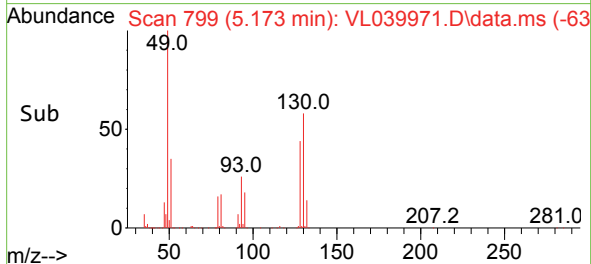
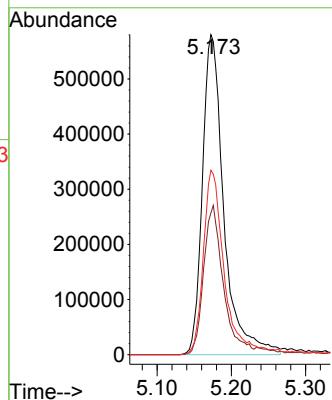
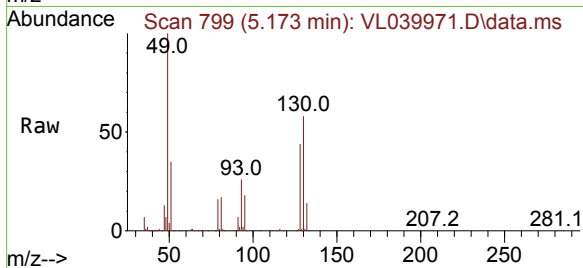




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.173 min Scan# 79
Delta R.T. 0.017 min
Lab File: VL039971.D
Acq: 12 Dec 2022 11:30

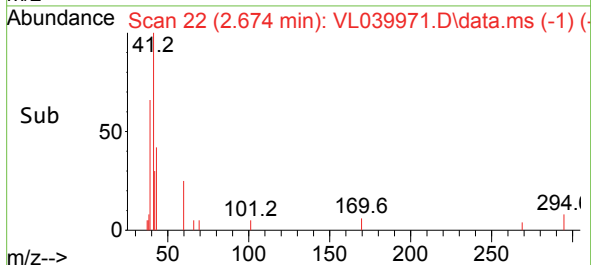
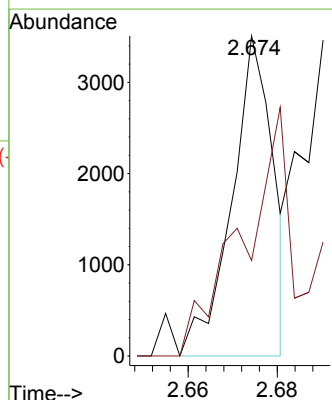
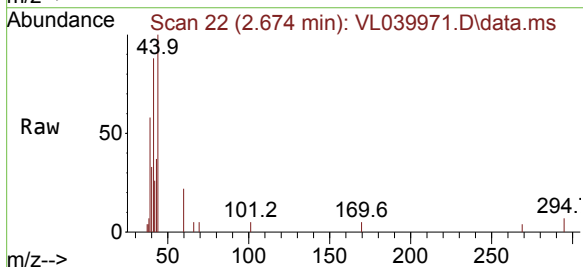
Instrument :
MSVOA_L
ClientSampleId :
VL1212ABL01

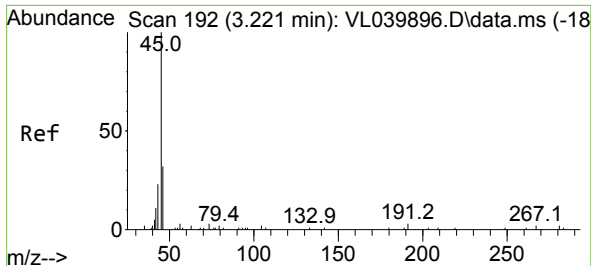
Tgt Ion: 49 Resp: 1162709
Ion Ratio Lower Upper
49 100
128 45.0 22.1 66.3
130 58.6 27.7 83.1



#9
Propene
Concen: 0.030 ppbv
RT: 2.674 min Scan# 22
Delta R.T. 0.013 min
Lab File: VL039971.D
Acq: 12 Dec 2022 11:30

Tgt Ion: 41 Resp: 2275
Ion Ratio Lower Upper
41 100
42 122.2 55.8 83.6#

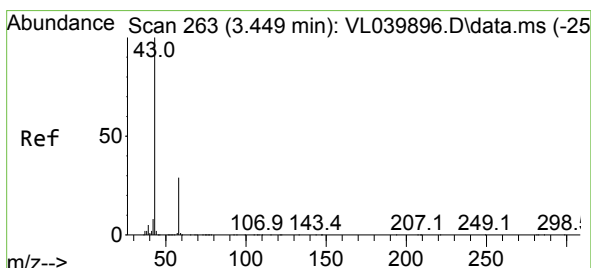
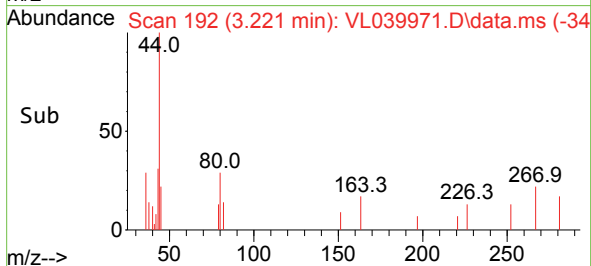
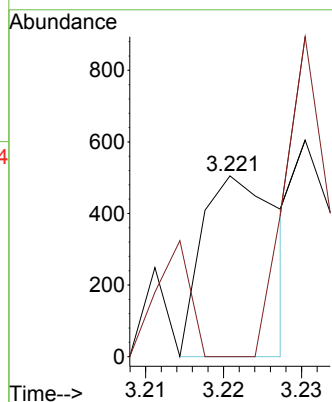
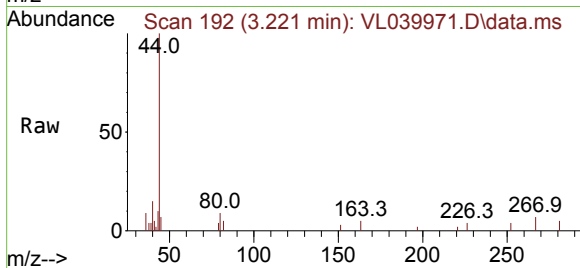




#13
Ethanol
Concen: 0.059 ppbv
RT: 3.221 min Scan# 192
Delta R.T. 0.007 min
Lab File: VL039971.D
Acq: 12 Dec 2022 11:30

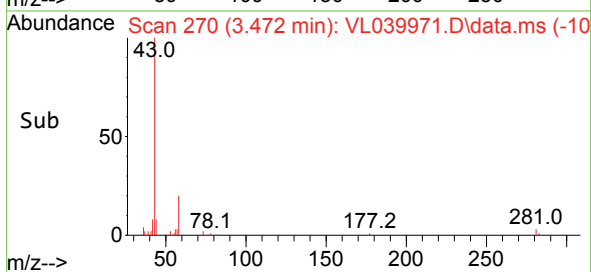
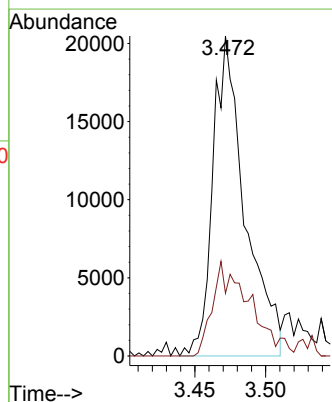
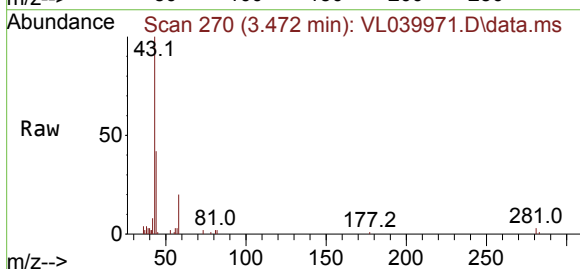
Instrument :
MSVOA_L
ClientSampleId :
VL1212ABL01

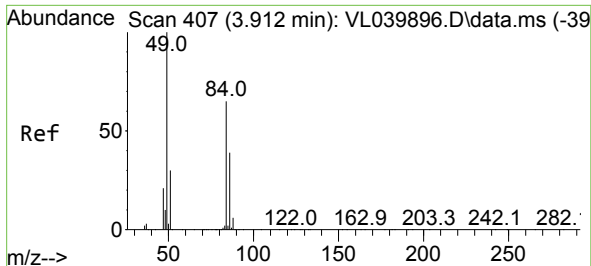
Tgt Ion: 45 Resp: 342
Ion Ratio Lower Upper
45 100
46 0.0 14.6 58.2#



#15
Acetone
Concen: 0.209 ppbv
RT: 3.472 min Scan# 270
Delta R.T. 0.039 min
Lab File: VL039971.D
Acq: 12 Dec 2022 11:30

Tgt Ion: 43 Resp: 32237
Ion Ratio Lower Upper
43 100
58 37.4 22.9 34.3#





#20

Methylene Chloride

Concen: 0.197 ppbv

RT: 3.915 min Scan# 407

Delta R.T. 0.019 min

Lab File: VL039971.D

Acq: 12 Dec 2022 11:30

Instrument :

MSVOA_L

ClientSampleId :

VL1212ABL01

Tgt Ion: 84 Resp: 14728

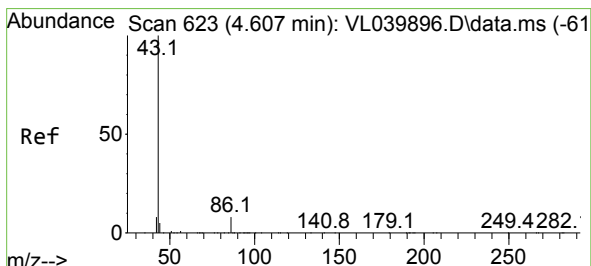
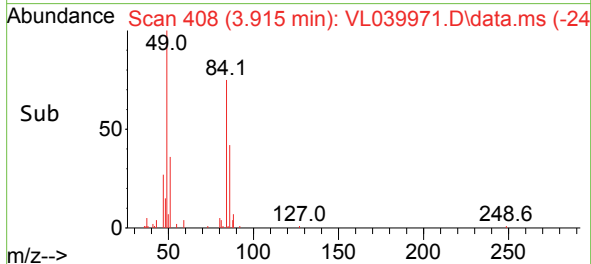
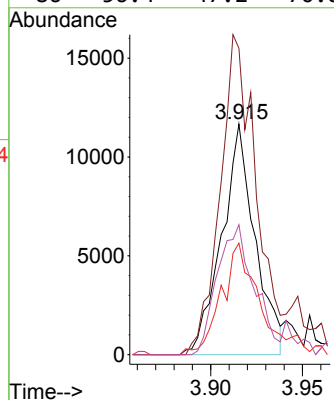
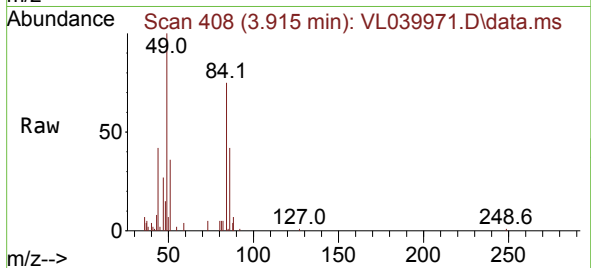
Ion Ratio Lower Upper

84 100

49 132.9 122.2 183.4

51 48.4 36.3 54.5

86 56.4 47.2 70.8



#23

Vinyl Acetate

Concen: 0.032 ppbv

RT: 4.610 min Scan# 624

Delta R.T. 0.016 min

Lab File: VL039971.D

Acq: 12 Dec 2022 11:30

Tgt Ion: 43 Resp: 2054

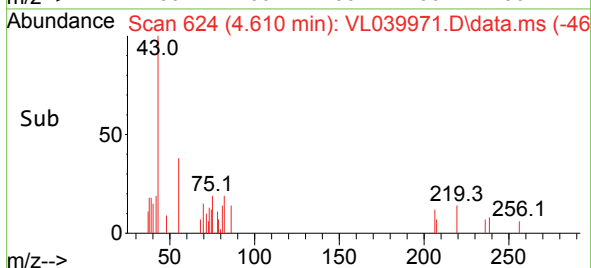
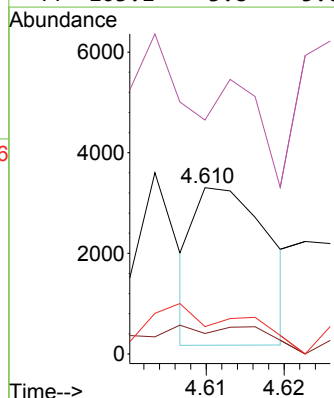
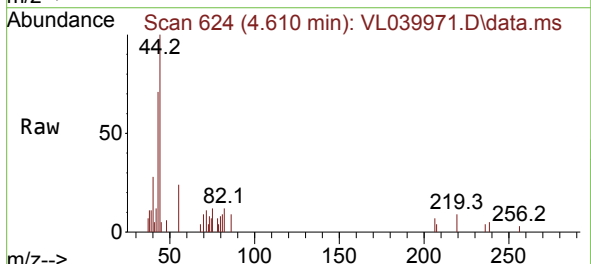
Ion Ratio Lower Upper

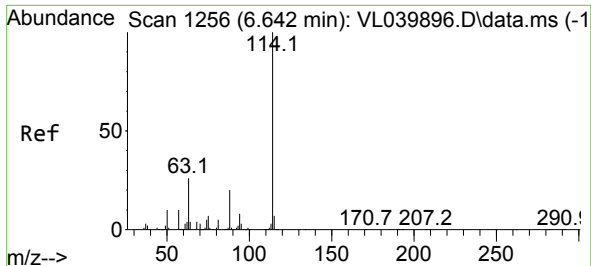
43 100

86 10.3 5.0 7.4#

42 13.4 7.6 11.4#

44 103.1 3.8 5.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.635 min Scan# 11

Delta R.T. 0.016 min

Lab File: VL039971.D

Acq: 12 Dec 2022 11:30

Instrument :

MSVOA_L

ClientSampleId :

VL1212ABL01

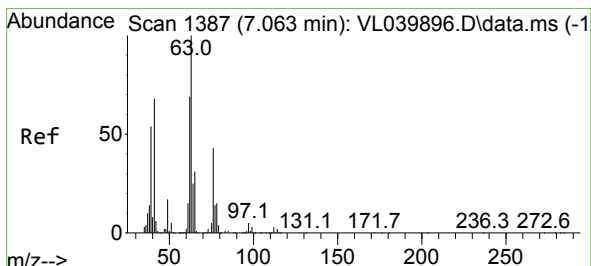
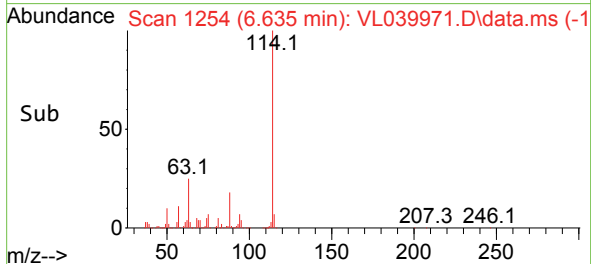
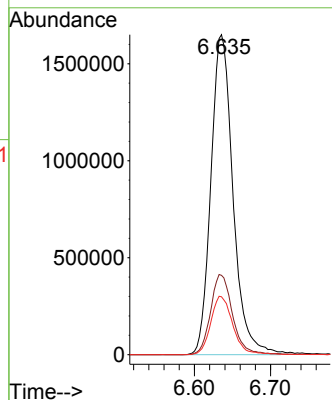
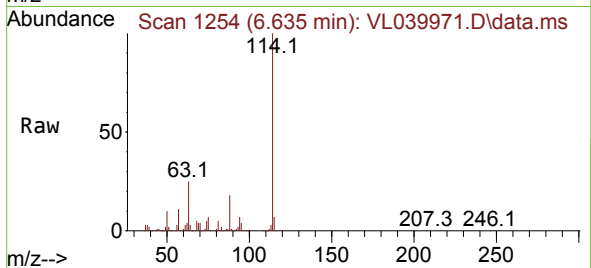
Tgt Ion:114 Resp: 3328127

Ion Ratio Lower Upper

114 100

63 25.2 21.4 32.0

88 18.4 15.3 22.9



#39

1,2-Dichloropropane

Concen: 7.515 ppbv

RT: 6.632 min Scan# 1253

Delta R.T. -0.402 min

Lab File: VL039971.D

Acq: 12 Dec 2022 11:30

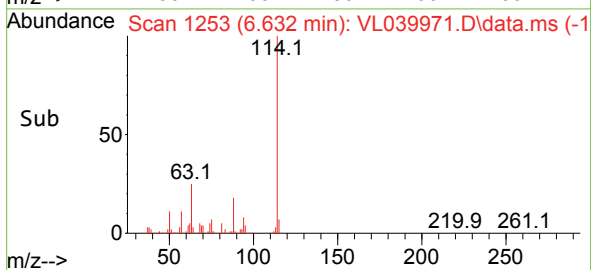
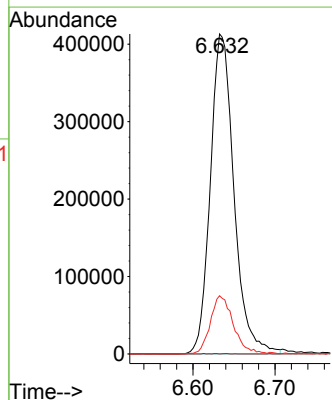
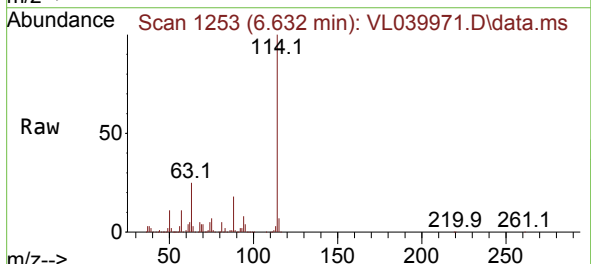
Tgt Ion: 63 Resp: 828280

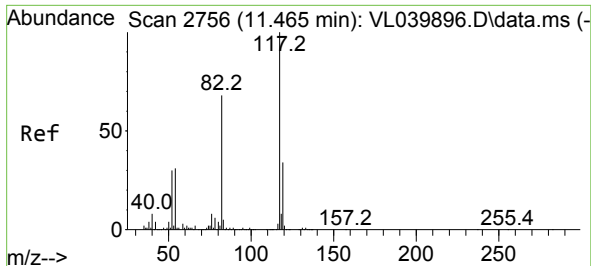
Ion Ratio Lower Upper

63 100

41 0.1 54.7 82.1#

62 18.2 55.0 82.6#

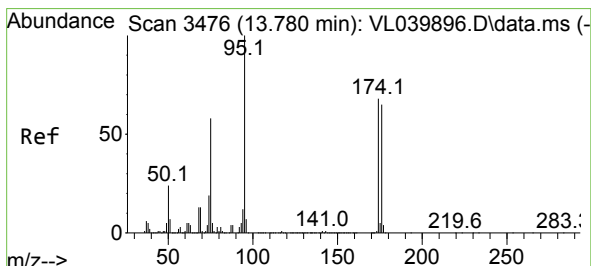
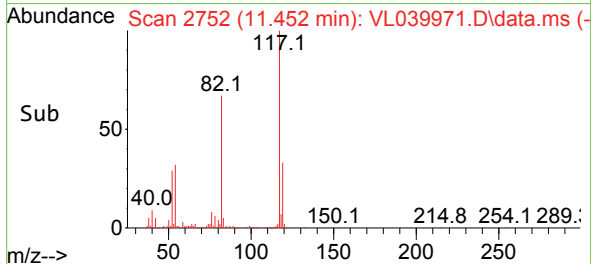
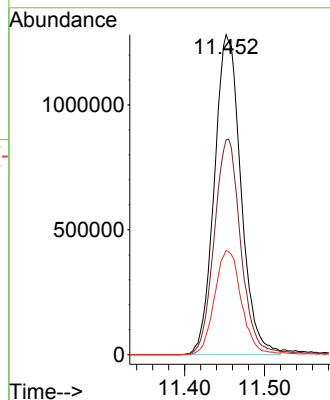
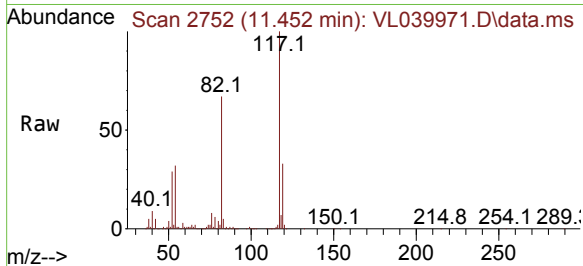




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.452 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL039971.D
Acq: 12 Dec 2022 11:30

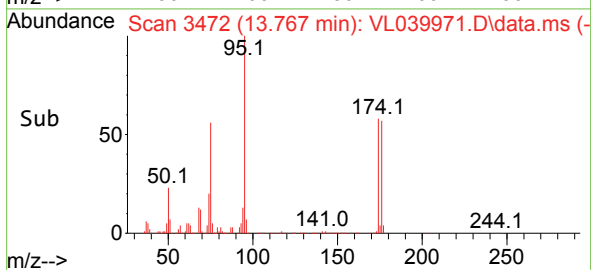
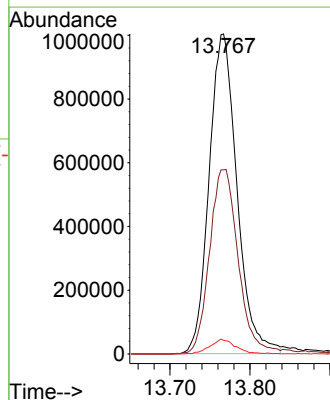
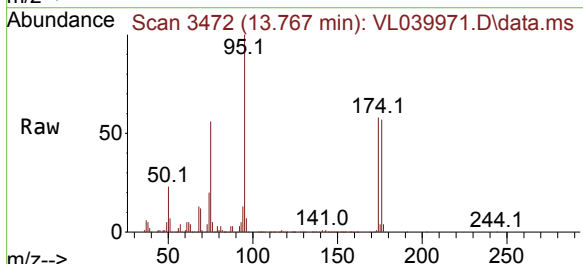
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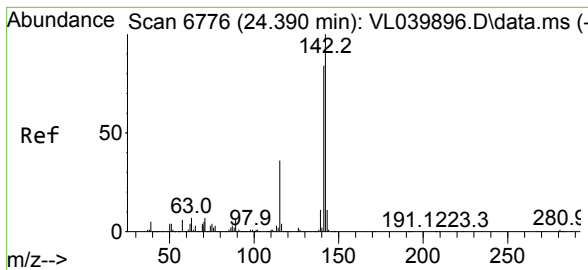
Tgt Ion:117 Resp: 2951082
Ion Ratio Lower Upper
117 100
82 68.2 52.3 78.5
119 33.2 25.7 38.5



#68
1-Bromo-4-Fluorobenzene
Concen: 10.771 ppbv
RT: 13.767 min Scan# 3472
Delta R.T. 0.026 min
Lab File: VL039971.D
Acq: 12 Dec 2022 11:30

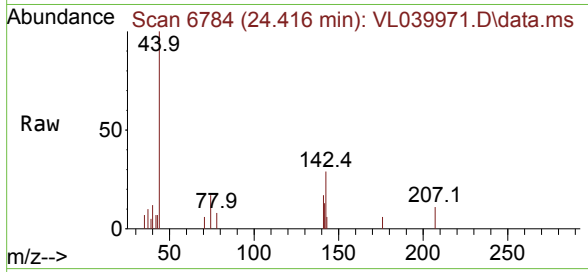
Tgt Ion: 95 Resp: 2427873
Ion Ratio Lower Upper
95 100
174 61.4 53.7 80.5
175 4.3 4.0 6.0





#80
 Naphthalene, 2-methyl-
 Concen: 0.037 ppbv
 RT: 24.416 min Scan# 61
 Delta R.T. 0.068 min
 Lab File: VL039971.D
 Acq: 12 Dec 2022 11:30

Instrument :
 MSVOA_L
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 VL1212ABL01



Tgt Ion:	142	Resp:	2170
Ion	Ratio	Lower	Upper
142	100		
141	43.5	69.1	103.7#
115	23.3	29.6	44.4#

