

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121322\Reviewed data\
 Data File : VL040006.D
 Acq On : 13 Dec 2022 14:50
 Operator : SY/MD
 Sample : VL1213ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1213ABL01

Quant Time: Dec 21 15:03:03 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)

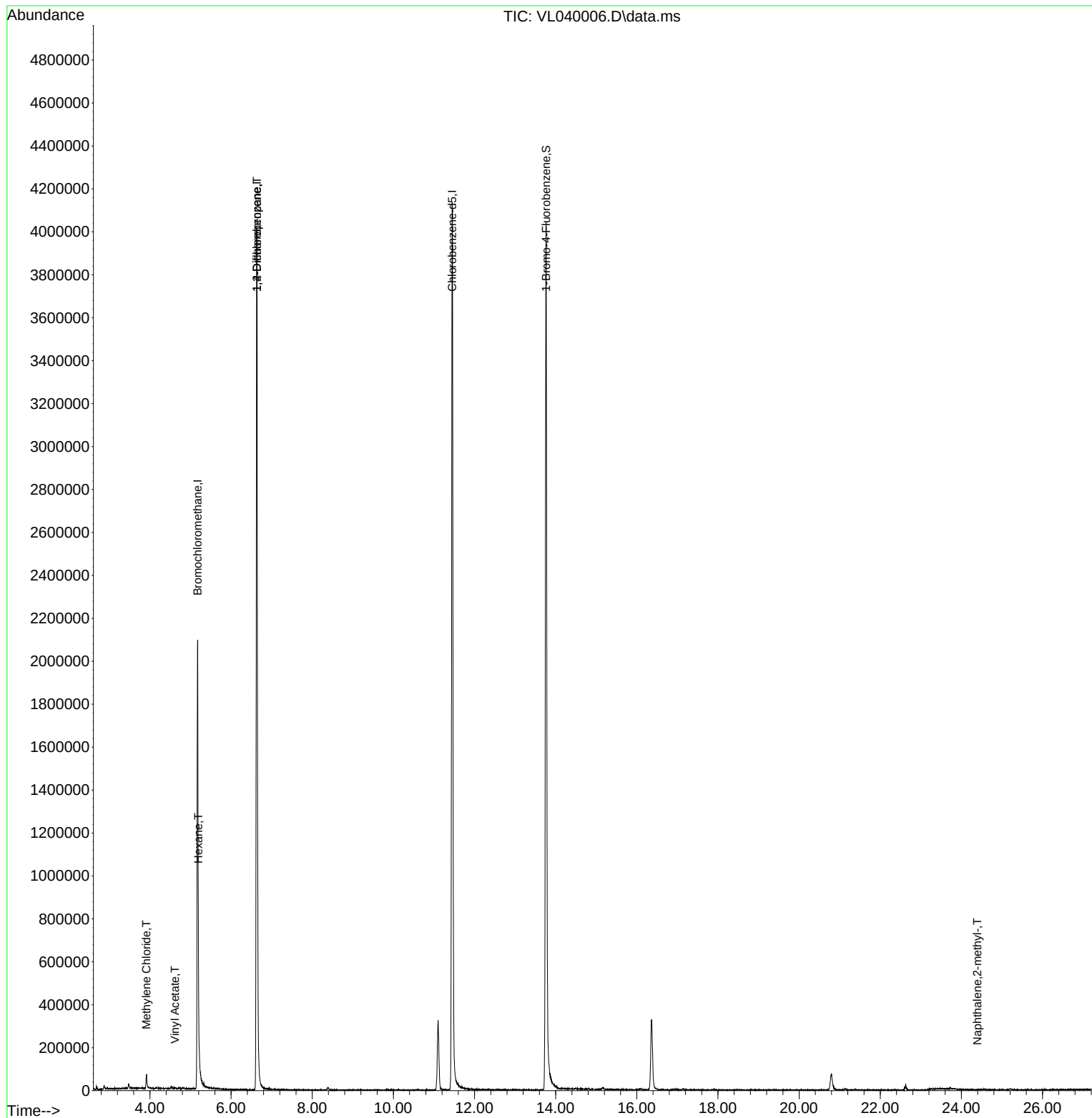
Internal Standards						
1) Bromochloromethane	5.176	49	1060729	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.636	114	3261361	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.449	117	2815459	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	2158681	10.038	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.400%
Target Compounds						
					Qvalue	
20) Methylene Chloride	3.915	84	19673	0.289	ppbv #	90
23) Vinyl Acetate	4.613	43	1365	0.024	ppbv #	61
26) Hexane	5.192	57	3353	0.030	ppbv #	45
39) 1,2-Dichloropropane	6.636	63	785206	7.270	ppbv #	27
80) Naphthalene,2-methyl-	24.394	142	1363	0.024	ppbv #	74

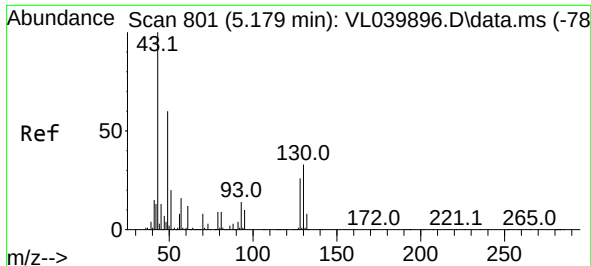
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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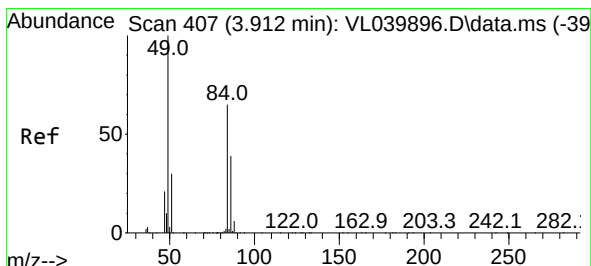
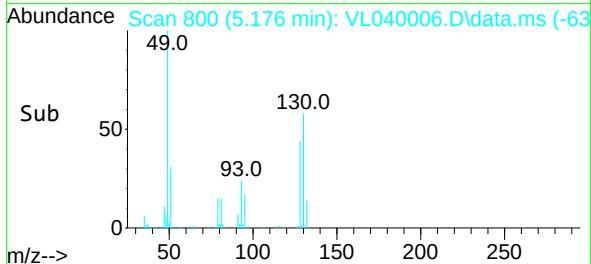
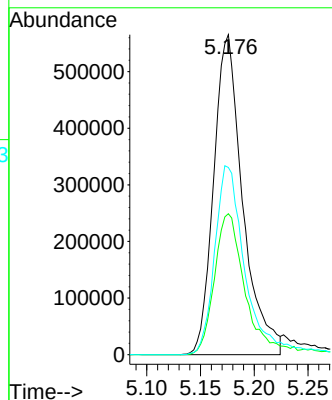
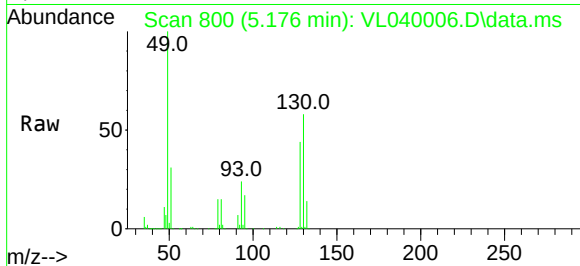




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.176 min Scan# 801
Delta R.T. 0.020 min
Lab File: VL040006.D
Acq: 13 Dec 2022 14:50

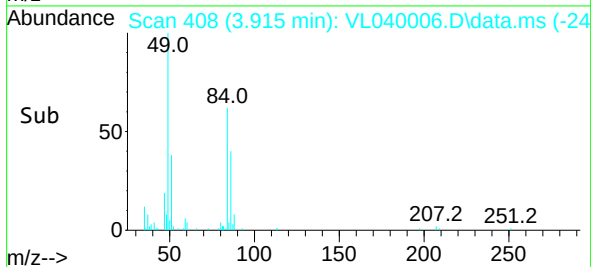
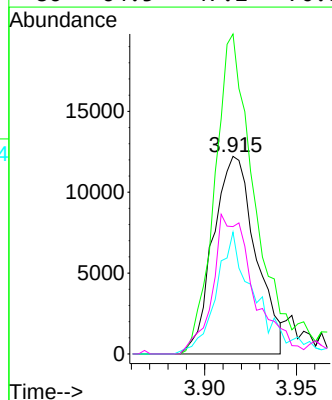
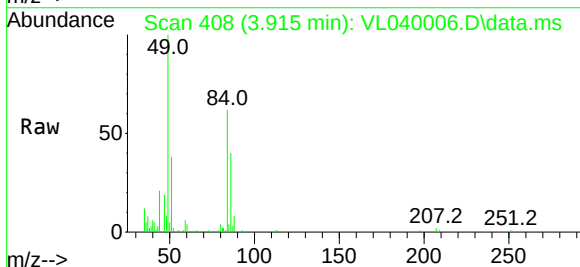
Instrument :
MSVOA_L
ClientSampleId :
VL1213ABL01

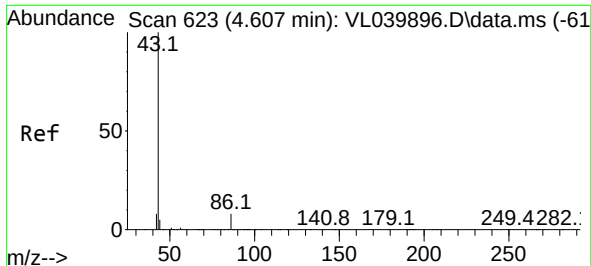
Tgt Ion: 49 Resp: 1060729
Ion Ratio Lower Upper
49 100
128 48.7 22.1 66.3
130 63.6 27.7 83.1



#20
Methylene Chloride
Concen: 0.289 ppbv
RT: 3.915 min Scan# 408
Delta R.T. 0.020 min
Lab File: VL040006.D
Acq: 13 Dec 2022 14:50

Tgt Ion: 84 Resp: 19673
Ion Ratio Lower Upper
84 100
49 162.0 122.2 183.4
51 60.4 36.3 54.5#
86 64.5 47.2 70.8

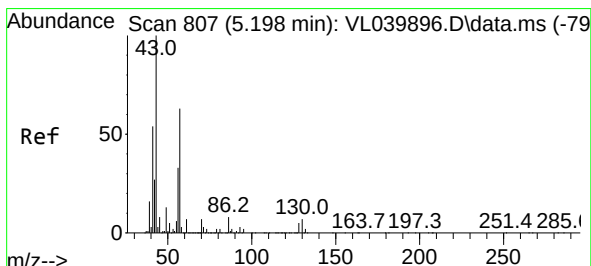
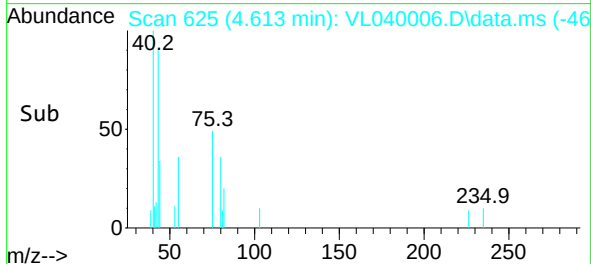
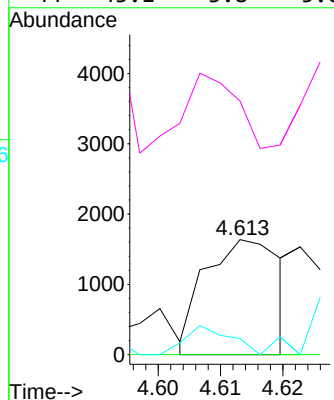
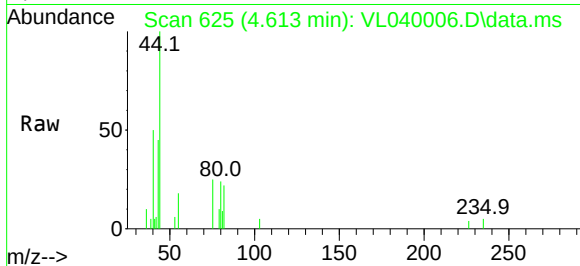




#23
 Vinyl Acetate
 Concen: 0.024 ppbv
 RT: 4.613 min Scan# 61
 Delta R.T. 0.020 min
 Lab File: VL040006.D
 Acq: 13 Dec 2022 14:50

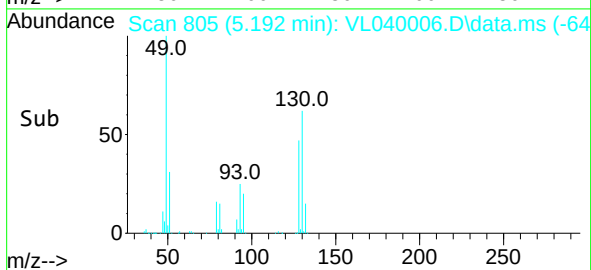
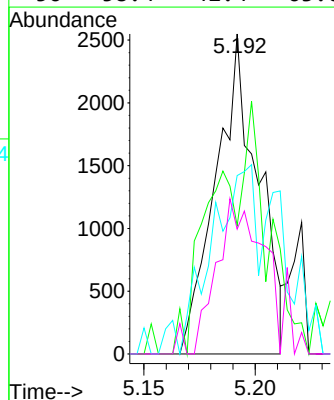
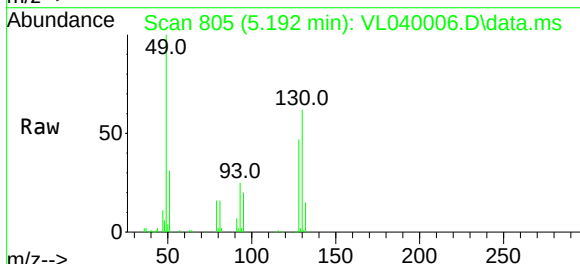
Instrument :
 MSVOA_1
 ClientSampleId :
 VL1213ABL01

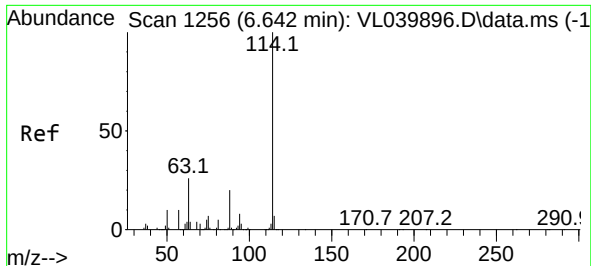
Tgt Ion:	43	Resp:	1365
Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.0	7.4#
42	4.3	7.6	11.4#
44	43.1	3.8	5.6#



#26
 Hexane
 Concen: 0.030 ppbv
 RT: 5.192 min Scan# 805
 Delta R.T. 0.016 min
 Lab File: VL040006.D
 Acq: 13 Dec 2022 14:50

Tgt Ion:	57	Resp:	3353
Ion	Ratio	Lower	Upper
57	100		
41	98.2	72.3	108.5
43	94.1	188.7	283.1#
56	58.4	42.4	63.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.636 min Scan# 1254

Delta R.T. 0.016 min

Lab File: VL040006.D

Acq: 13 Dec 2022 14:50

Instrument :

MSVOA_L

ClientSampleId :

VL1213ABL01

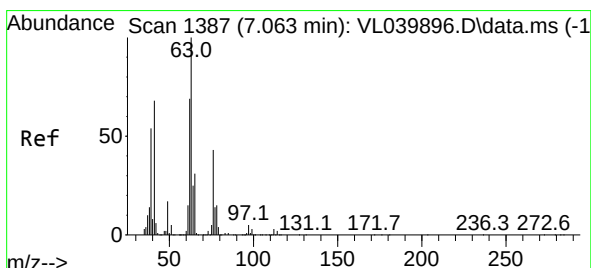
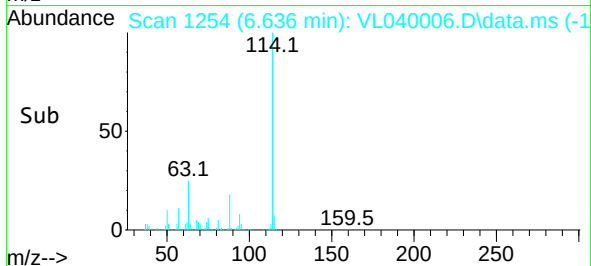
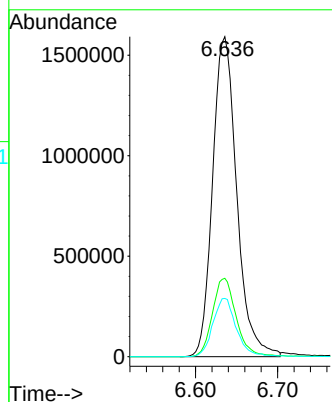
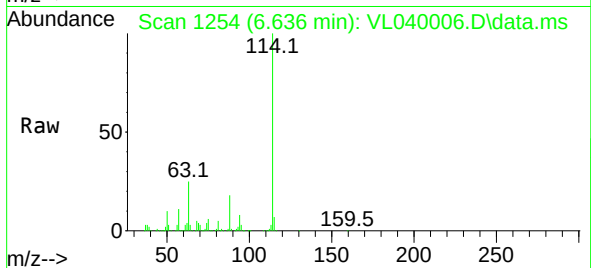
Tgt Ion:114 Resp: 3261361

Ion Ratio Lower Upper

114 100

63 24.3 21.4 32.0

88 17.9 15.3 22.9



#39

1,2-Dichloropropane

Concen: 7.270 ppbv

RT: 6.636 min Scan# 1254

Delta R.T. -0.398 min

Lab File: VL040006.D

Acq: 13 Dec 2022 14:50

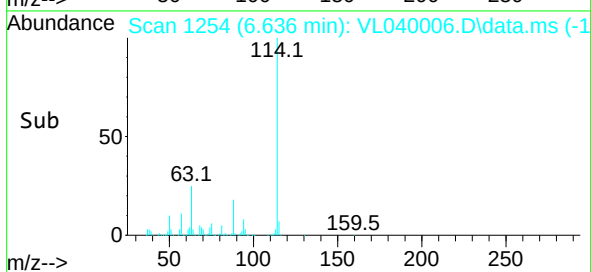
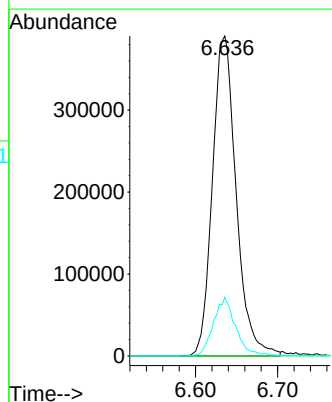
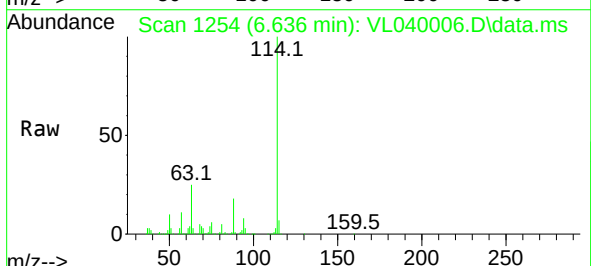
Tgt Ion: 63 Resp: 785206

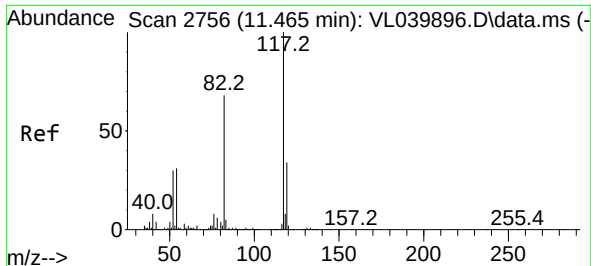
Ion Ratio Lower Upper

63 100

41 0.0 54.7 82.1#

62 18.3 55.0 82.6#

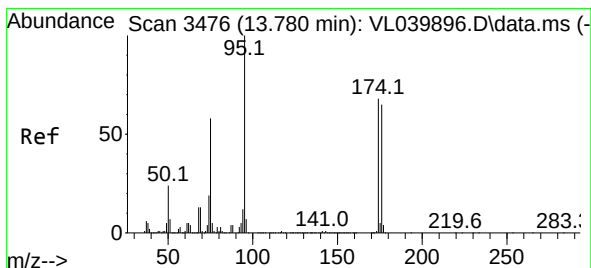
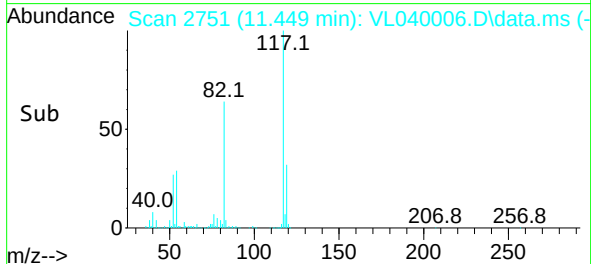
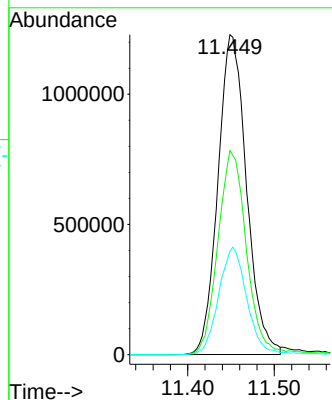
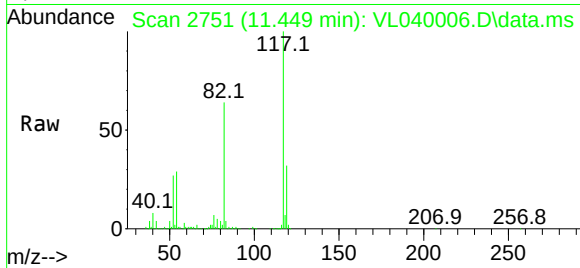




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.449 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL040006.D
Acq: 13 Dec 2022 14:50

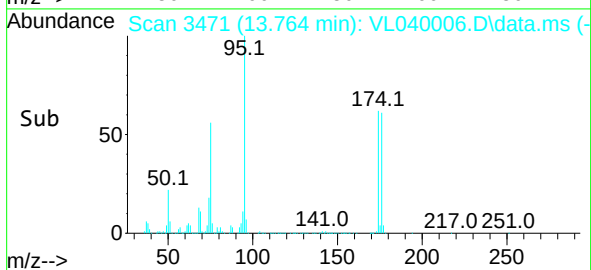
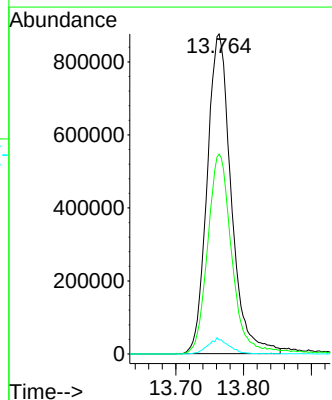
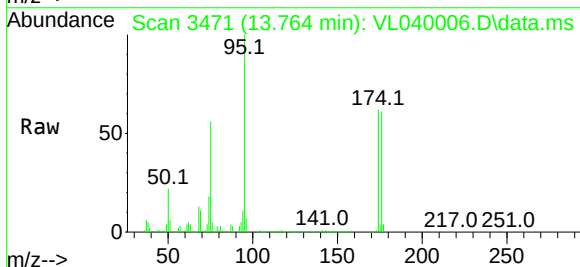
Instrument :
MSVOA_1
ClientSampleId :
VL1213ABL01

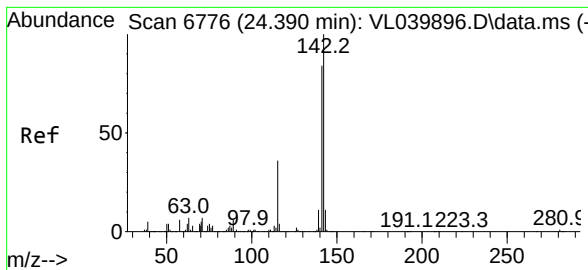
Tgt Ion:117 Resp: 2815459
Ion Ratio Lower Upper
117 100
82 64.6 52.3 78.5
119 33.5 25.7 38.5



#68
1-Bromo-4-Fluorobenzene
Concen: 10.038 ppbv
RT: 13.764 min Scan# 3471
Delta R.T. 0.023 min
Lab File: VL040006.D
Acq: 13 Dec 2022 14:50

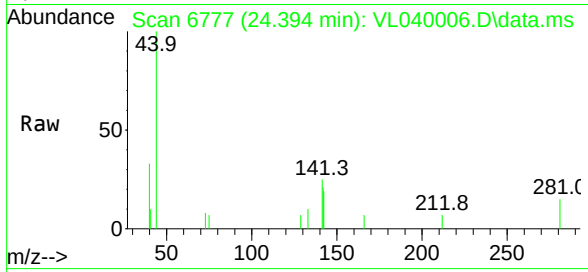
Tgt Ion: 95 Resp: 2158681
Ion Ratio Lower Upper
95 100
174 63.8 53.7 80.5
175 4.5 4.0 6.0





#80
 Naphthalene, 2-methyl-
 Concen: 0.024 ppbv
 RT: 24.394 min Scan# 61
 Delta R.T. 0.045 min
 Lab File: VL040006.D
 Acq: 13 Dec 2022 14:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1213ABL01



Tgt Ion:	142	Resp:	1363
Ion	Ratio	Lower	Upper
142	100		
141	110.5	69.1	103.7#
115	21.3	29.6	44.4#

