

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041525\
 Data File : VL042330.D
 Acq On : 15 Apr 2025 13:57
 Operator : SY/MD
 Sample : QC041425 CAN 10401
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC041425 CAN 10401

Quant Time: Apr 16 01:31:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Mar 28 02:00:52 2025
 Response via : Initial Calibration

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

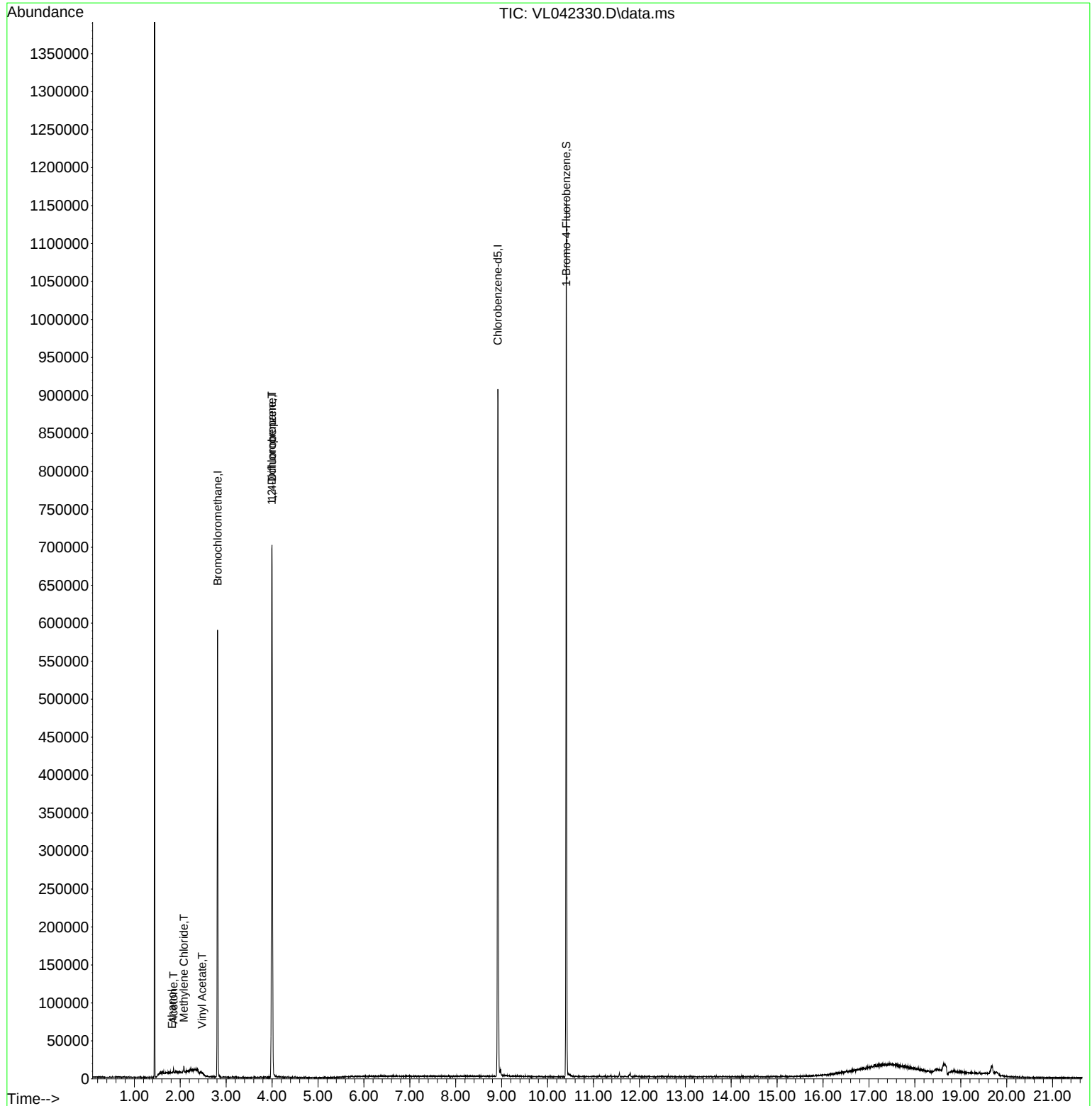
Internal Standards						
1) Bromochloromethane	2.813	49	162884	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	3.997	114	405181	10.000	ppbv	0.05
55) Chlorobenzene-d5	8.917	117	353699	10.000	ppbv	0.04
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.406	95	273327	9.410	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.100%
Target Compounds						
					Qvalue	
13) Ethanol	1.819	45	202	0.190	ppbv #	27
15) Acetone	1.852	43	2579	0.113	ppbv #	89
20) Methylene Chloride	2.078	84	1633	0.192	ppbv #	91
23) Vinyl Acetate	2.476	43	361	0.037	ppbv #	1
39) 1,2-Dichloropropane	3.994	63	104431	7.139	ppbv #	23

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

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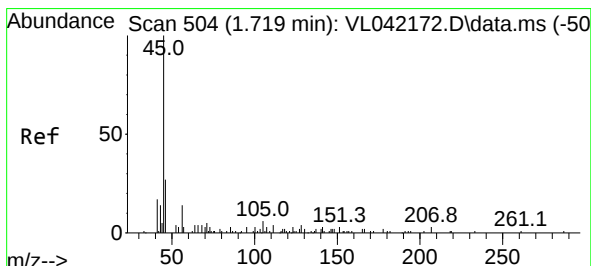
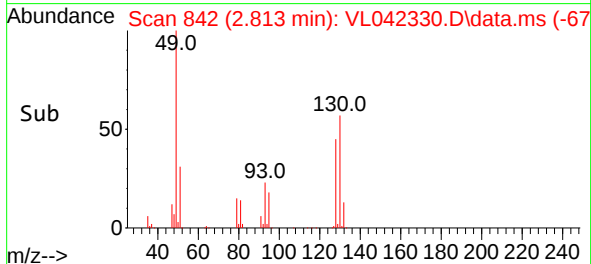
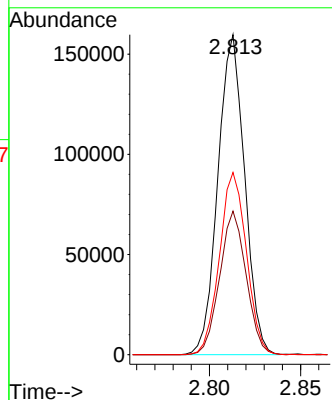
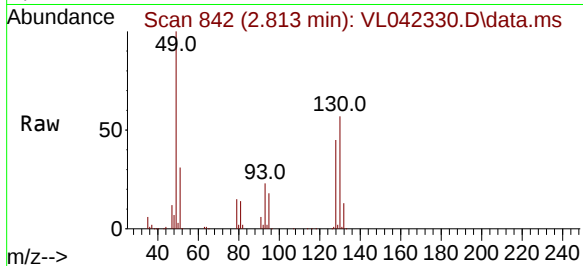




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.813 min Scan# 84
Delta R.T. 0.029 min
Lab File: VL042330.D
Acq: 15 Apr 2025 13:57

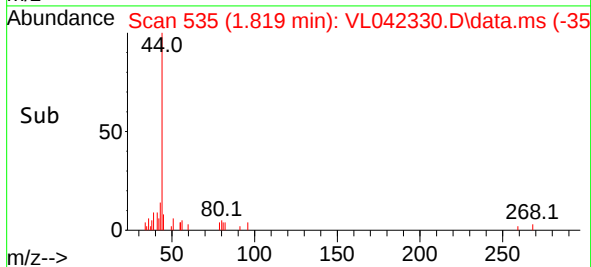
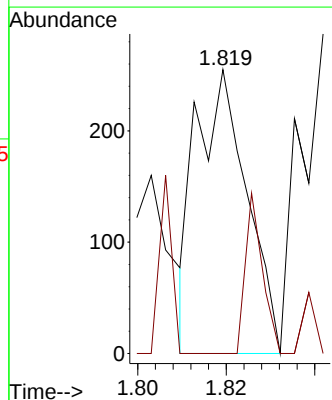
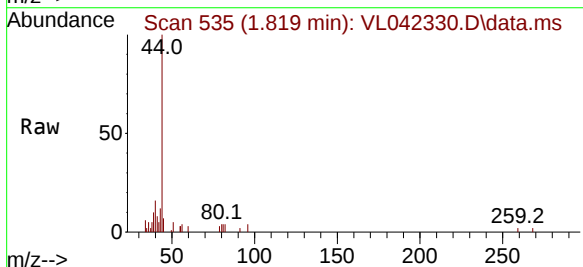
Instrument :
MSVOA_L
ClientSampleId :
QC041425 CAN 10401

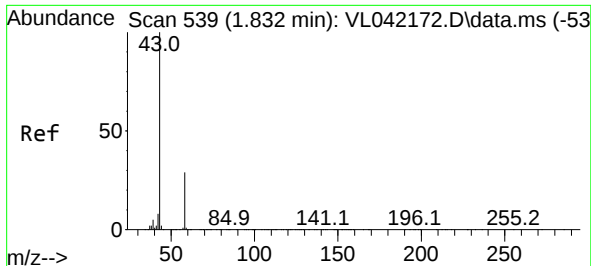
Tgt Ion: 49 Resp: 162884
Ion Ratio Lower Upper
49 100
128 44.5 22.9 68.5
130 57.5 28.8 86.4



#13
Ethanol
Concen: 0.190 ppbv
RT: 1.819 min Scan# 535
Delta R.T. 0.100 min
Lab File: VL042330.D
Acq: 15 Apr 2025 13:57

Tgt Ion: 45 Resp: 202
Ion Ratio Lower Upper
45 100
46 0.0 20.2 80.8#





#15

Acetone

Concen: 0.113 ppbv

RT: 1.852 min Scan# 54

Delta R.T. 0.019 min

Lab File: VL042330.D

Acq: 15 Apr 2025 13:57

Instrument :

MSVOA_L

ClientSampleId :

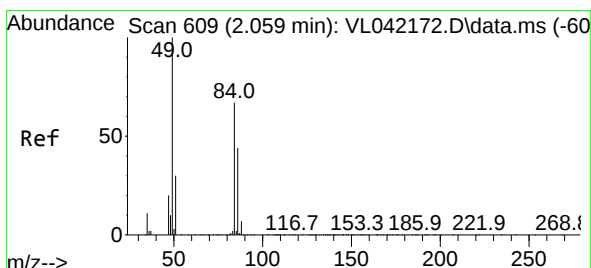
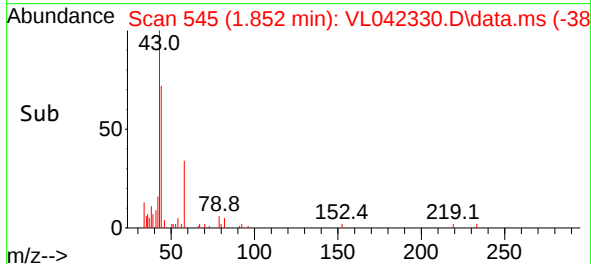
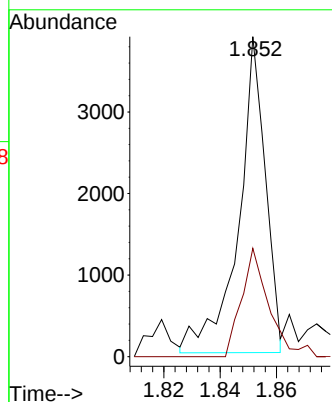
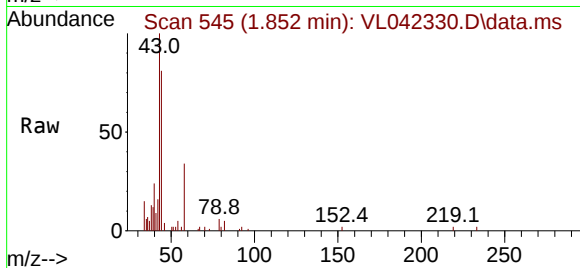
QC041425 CAN 10401

Tgt Ion: 43 Resp: 2579

Ion Ratio Lower Upper

43 100

58 34.9 23.2 34.8#



#20

Methylene Chloride

Concen: 0.192 ppbv

RT: 2.078 min Scan# 615

Delta R.T. 0.019 min

Lab File: VL042330.D

Acq: 15 Apr 2025 13:57

Tgt Ion: 84 Resp: 1633

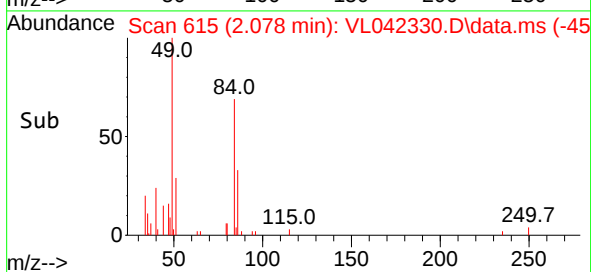
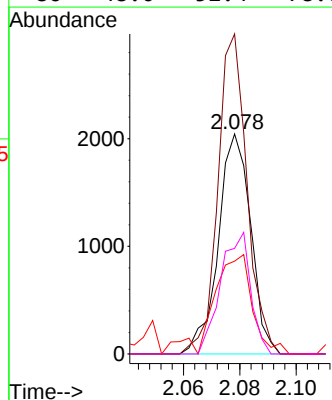
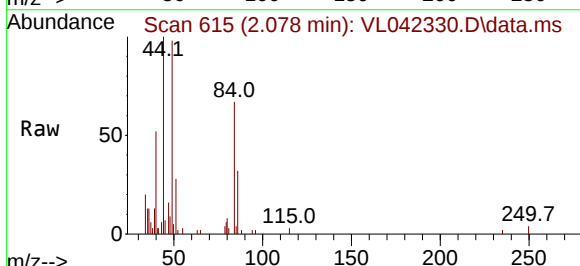
Ion Ratio Lower Upper

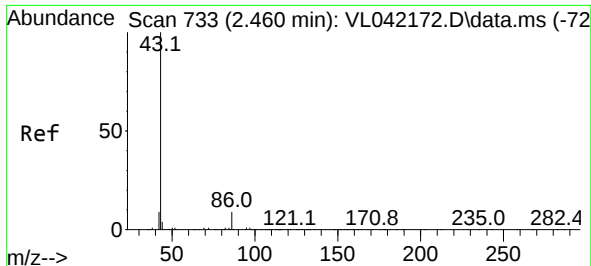
84 100

49 152.9 120.2 180.4

51 37.4 37.4 56.0

86 48.0 52.4 78.6#

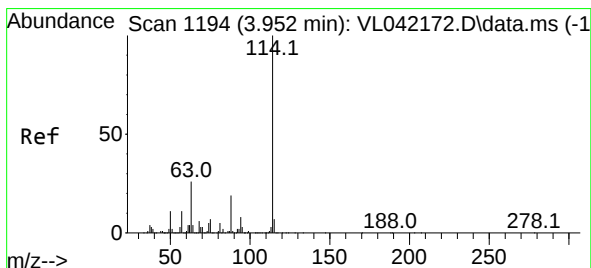
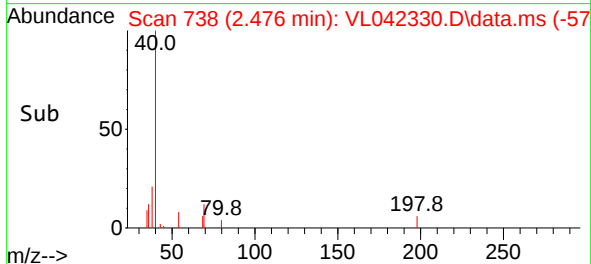
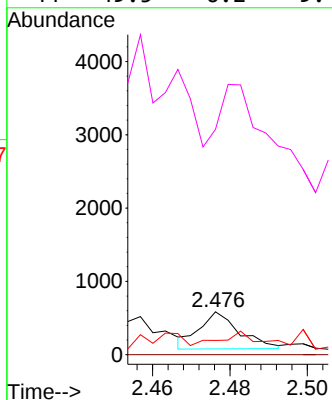
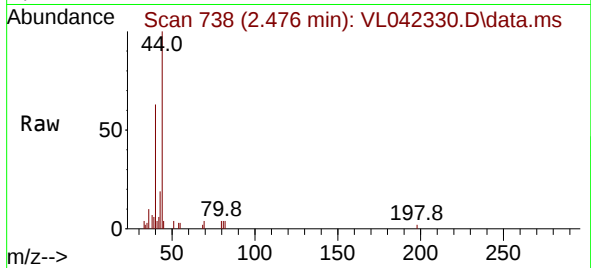




#23
 Vinyl Acetate
 Concen: 0.037 ppbv
 RT: 2.476 min Scan# 71
 Delta R.T. 0.016 min
 Lab File: VL042330.D
 Acq: 15 Apr 2025 13:57

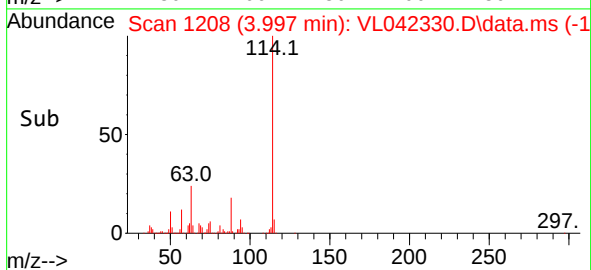
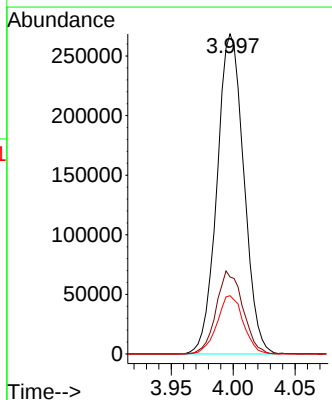
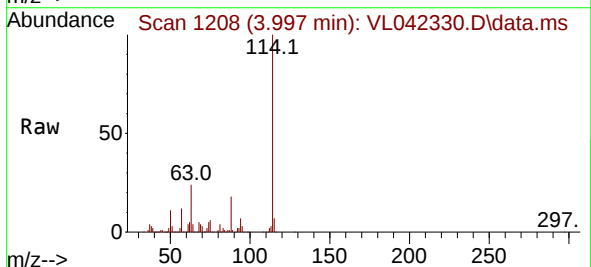
Instrument :
 MSVOA_L
 ClientSampleId :
 QC041425 CAN 10401

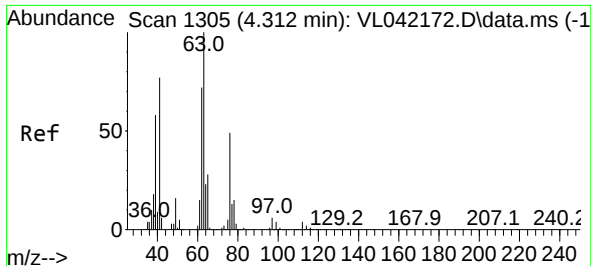
Tgt Ion: 43	Resp:	361	
Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.5	8.3#
42	127.3	8.6	13.0#
44	49.5	6.2	9.4#



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.997 min Scan# 1208
 Delta R.T. 0.045 min
 Lab File: VL042330.D
 Acq: 15 Apr 2025 13:57

Tgt Ion:114	Resp:	405181	
Ion	Ratio	Lower	Upper
114	100		
63	25.8	20.7	31.1
88	17.8	15.0	22.4





#39

1,2-Dichloropropane

Concen: 7.139 ppbv

RT: 3.994 min Scan# 11

Delta R.T. -0.317 min

Lab File: VL042330.D

Acq: 15 Apr 2025 13:57

Instrument :

MSVOA_L

ClientSampleId :

QC041425 CAN 10401

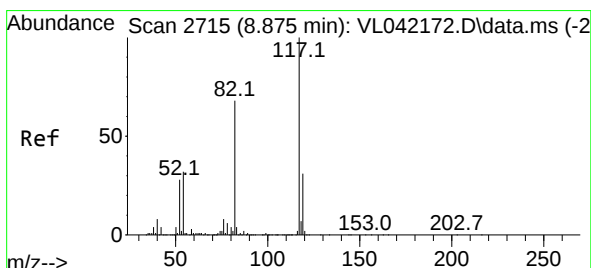
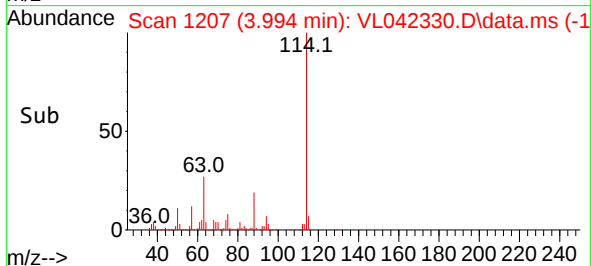
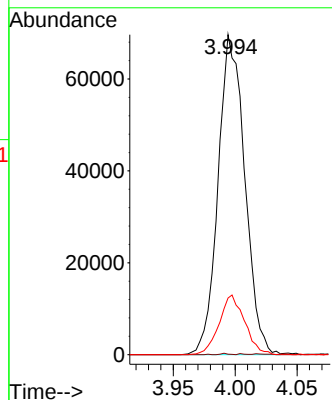
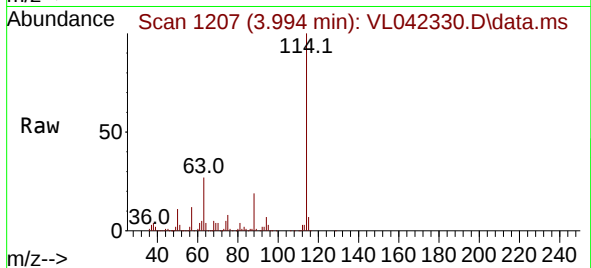
Tgt Ion: 63 Resp: 104431

Ion Ratio Lower Upper

63 100

41 0.2 61.7 92.5#

62 17.7 57.6 86.4#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.917 min Scan# 2728

Delta R.T. 0.042 min

Lab File: VL042330.D

Acq: 15 Apr 2025 13:57

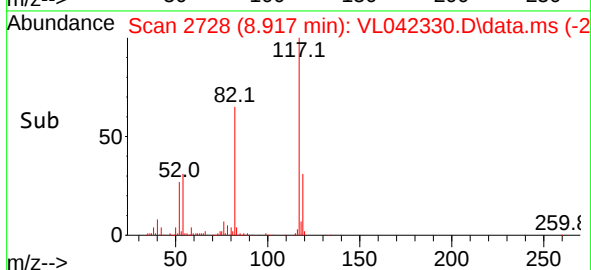
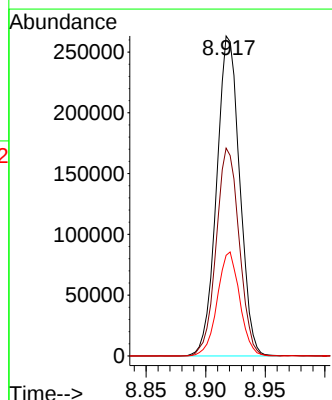
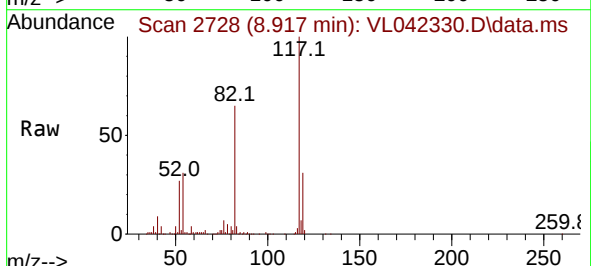
Tgt Ion: 117 Resp: 353699

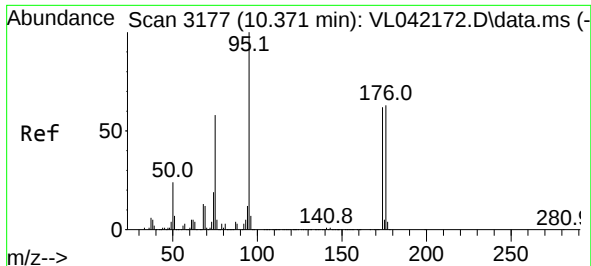
Ion Ratio Lower Upper

117 100

82 64.9 55.8 83.6

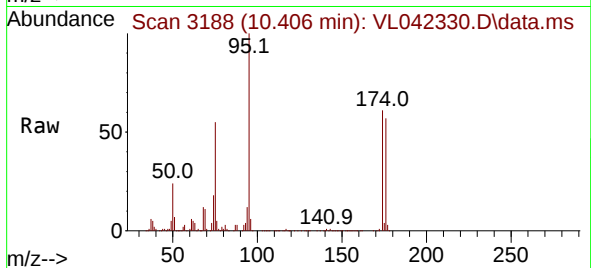
119 31.7 25.5 38.3





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.410 ppbv
 RT: 10.406 min Scan# 31
 Delta R.T. 0.035 min
 Lab File: VL042330.D
 Acq: 15 Apr 2025 13:57

Instrument :
 MSVOA_L
 ClientSampleId :
 QC041425 CAN 10401



Tgt Ion: 95 Resp: 273327
 Ion Ratio Lower Upper
 95 100
 174 63.9 50.6 76.0
 175 4.4 3.8 5.6

