

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041025\
 Data File : VL042309.D
 Acq On : 10 Apr 2025 15:23
 Operator : SY/MD
 Sample : CAN10197
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CAN10197

Quant Time: Apr 11 01:59:35 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)

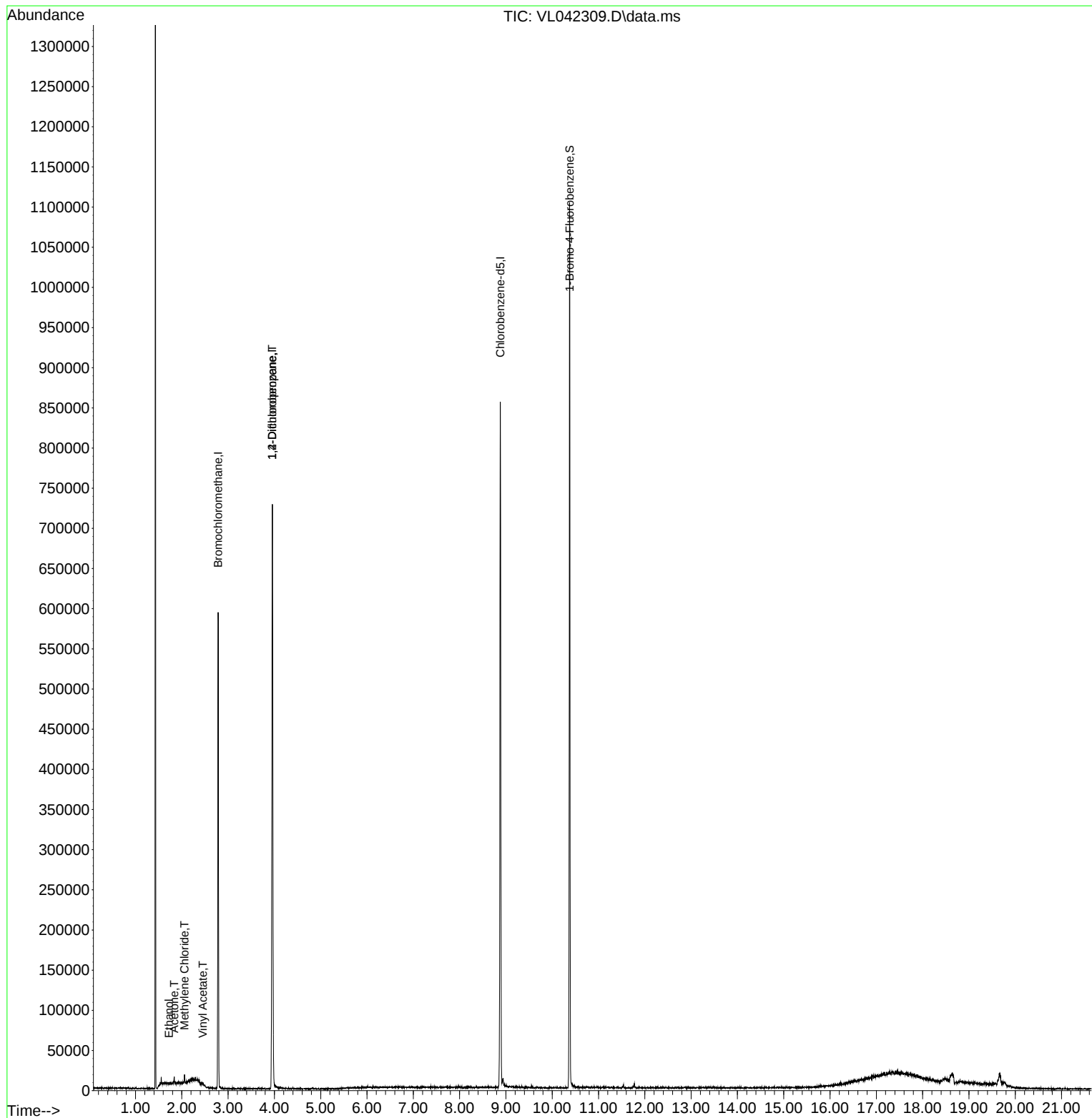
Internal Standards						
1) Bromochloromethane	2.784	49	166549	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	388803	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	327264	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	247191	9.198	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.000%
Target Compounds						
					Qvalue	
13) Ethanol	1.722	45	597	0.548	ppbv #	27
15) Acetone	1.835	43	3617	0.155	ppbv #	78
20) Methylene Chloride	2.059	84	1604	0.185	ppbv #	86
23) Vinyl Acetate	2.454	43	652	0.065	ppbv #	1
39) 1,2-Dichloropropane	3.955	63	100054	7.128	ppbv #	24

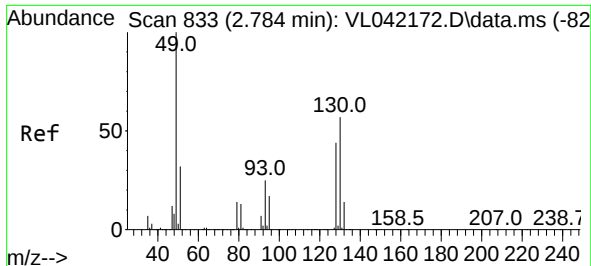
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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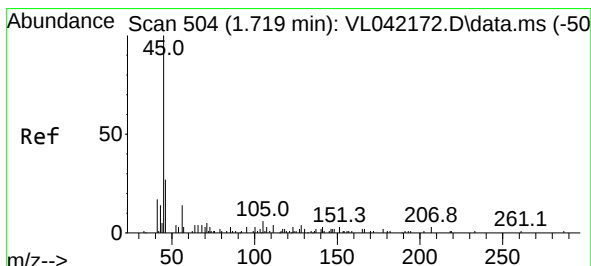
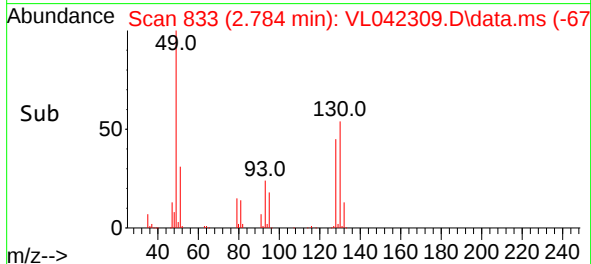
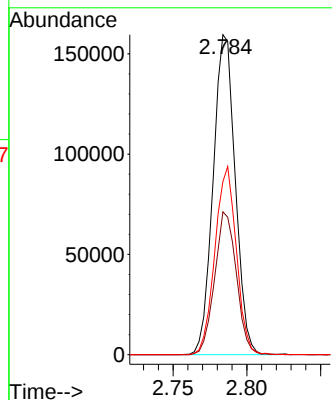
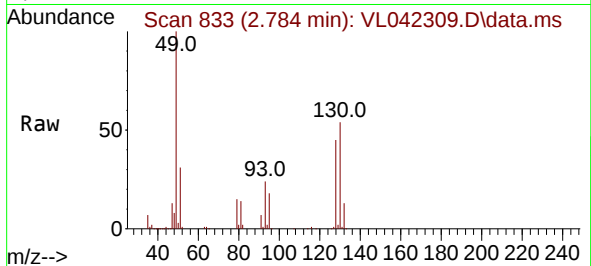




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL042309.D
Acq: 10 Apr 2025 15:23

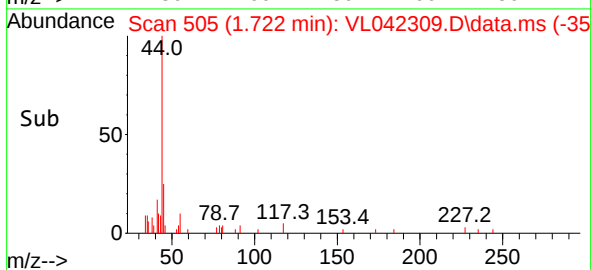
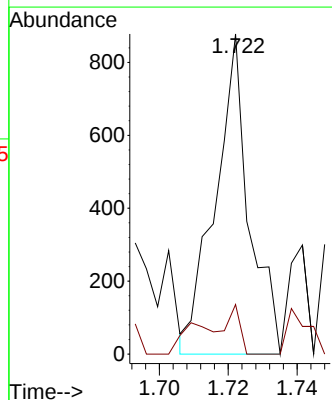
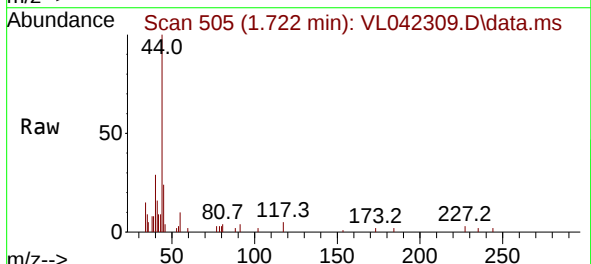
Instrument :
MSVOA_L
ClientSampleId :
CAN10197

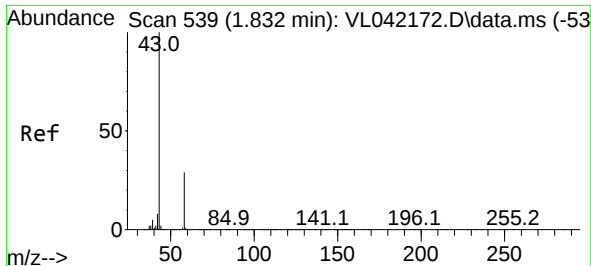
Tgt Ion: 49 Resp: 166549
Ion Ratio Lower Upper
49 100
128 43.9 22.9 68.5
130 57.0 28.8 86.4



#13
Ethanol
Concen: 0.548 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL042309.D
Acq: 10 Apr 2025 15:23

Tgt Ion: 45 Resp: 597
Ion Ratio Lower Upper
45 100
46 0.0 20.2 80.8#





#15

Acetone

Concen: 0.155 ppbv

RT: 1.835 min Scan# 54

Delta R.T. 0.003 min

Lab File: VL042309.D

Acq: 10 Apr 2025 15:23

Instrument :

MSVOA_L

ClientSampleId :

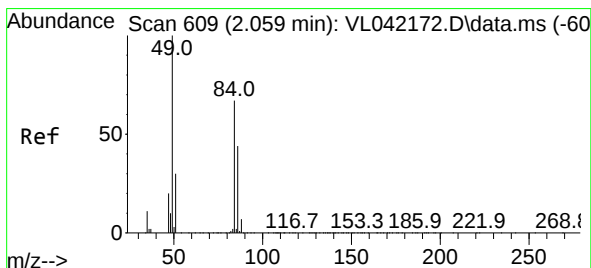
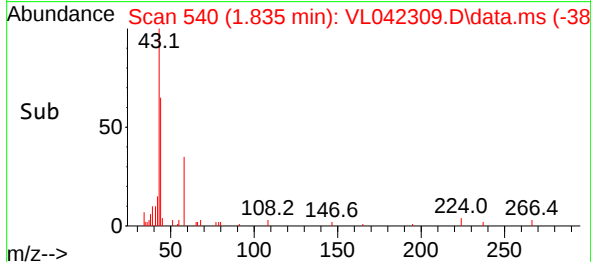
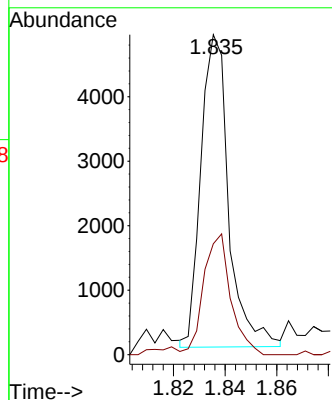
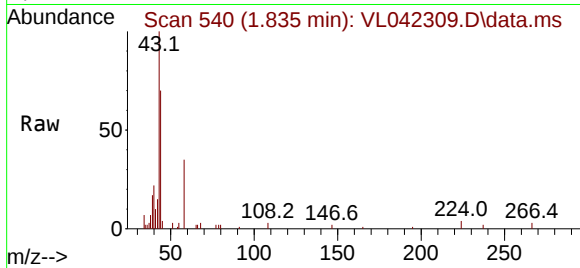
CAN10197

Tgt Ion: 43 Resp: 3617

Ion Ratio Lower Upper

43 100

58 40.7 23.2 34.8#



#20

Methylene Chloride

Concen: 0.185 ppbv

RT: 2.059 min Scan# 609

Delta R.T. -0.000 min

Lab File: VL042309.D

Acq: 10 Apr 2025 15:23

Tgt Ion: 84 Resp: 1604

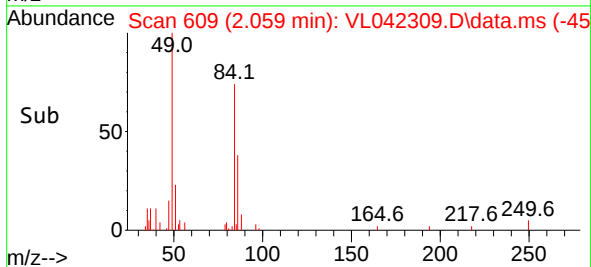
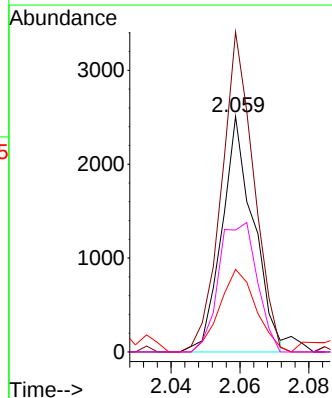
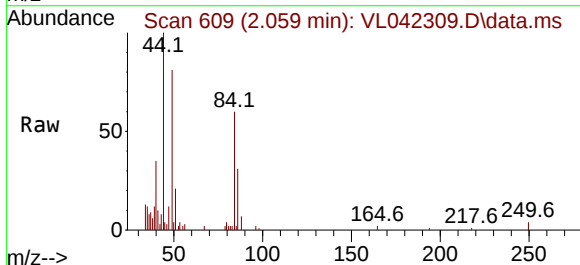
Ion Ratio Lower Upper

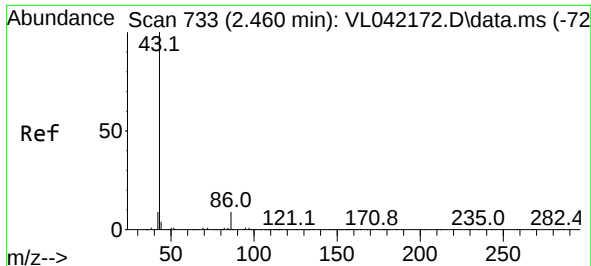
84 100

49 135.9 120.2 180.4

51 35.1 37.4 56.0#

86 51.8 52.4 78.6#

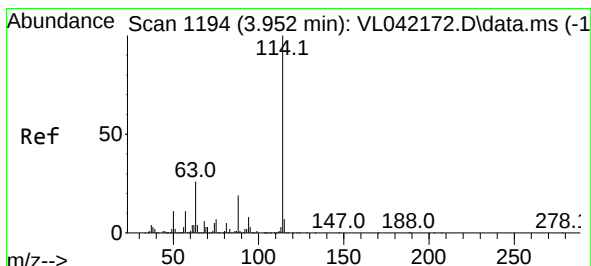
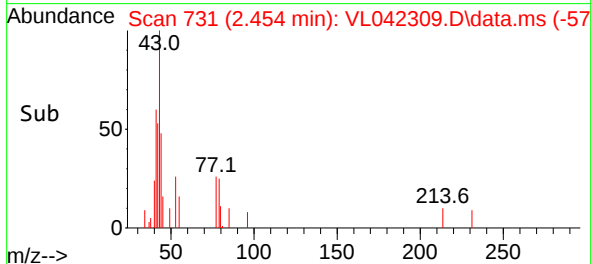
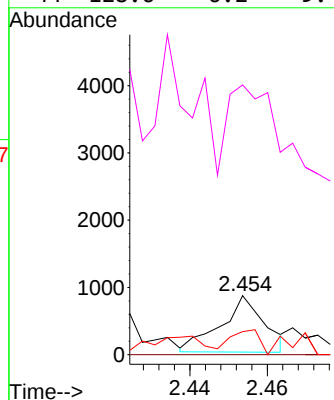
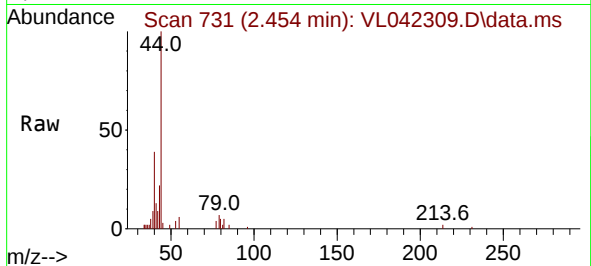




#23
 Vinyl Acetate
 Concen: 0.065 ppbv
 RT: 2.454 min Scan# 71
 Delta R.T. -0.007 min
 Lab File: VL042309.D
 Acq: 10 Apr 2025 15:23

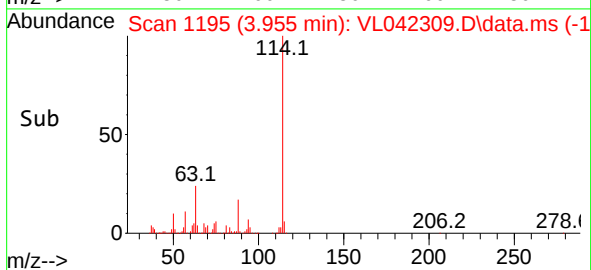
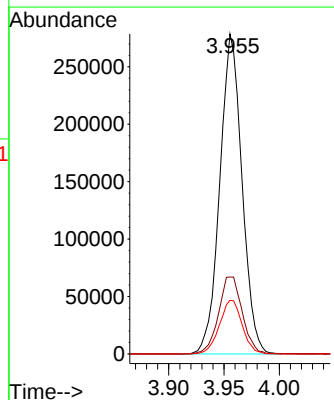
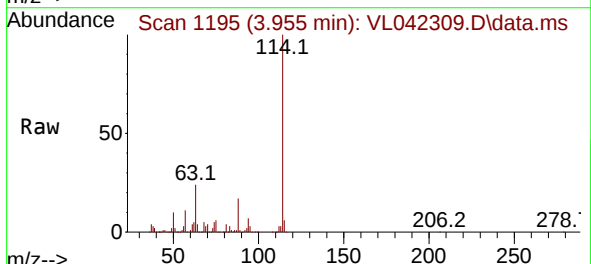
Instrument :
 MSVOA_1
 ClientSampleId :
 CAN10197

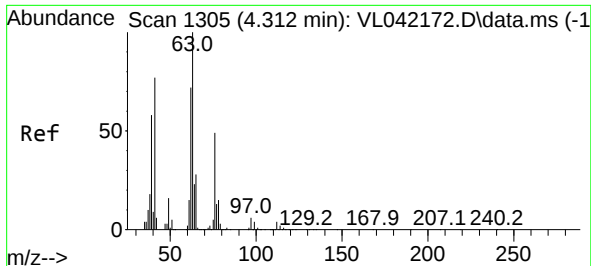
Tgt Ion: 43 Resp: 652
 Ion Ratio Lower Upper
 43 100
 86 0.0 5.5 8.3#
 42 10.8 8.6 13.0
 44 128.6 6.2 9.4#



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.955 min Scan# 1195
 Delta R.T. 0.003 min
 Lab File: VL042309.D
 Acq: 10 Apr 2025 15:23

Tgt Ion: 114 Resp: 388803
 Ion Ratio Lower Upper
 114 100
 63 25.9 20.7 31.1
 88 17.2 15.0 22.4





#39

1,2-Dichloropropane

Concen: 7.128 ppbv

RT: 3.955 min Scan# 1195

Delta R.T. -0.356 min

Lab File: VL042309.D

Acq: 10 Apr 2025 15:23

Instrument :

MSVOA_L

ClientSampleId :

CAN10197

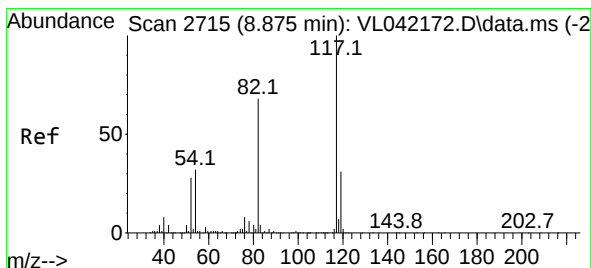
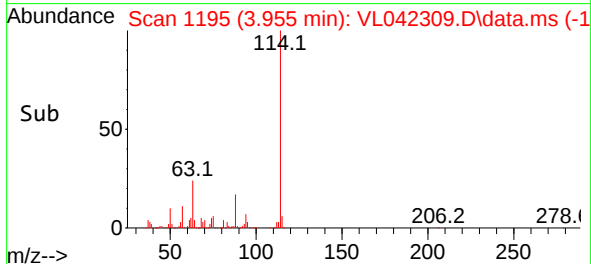
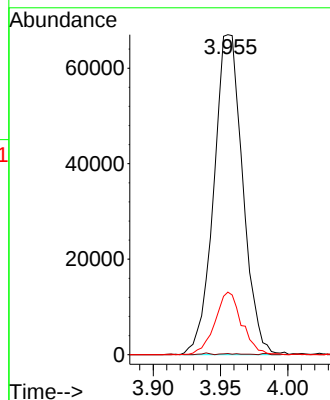
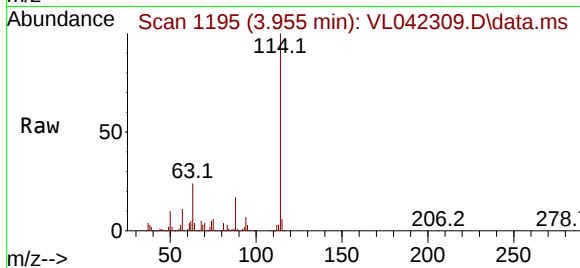
Tgt Ion: 63 Resp: 100054

Ion Ratio Lower Upper

63 100

41 0.4 61.7 92.5#

62 19.5 57.6 86.4#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.878 min Scan# 2716

Delta R.T. 0.003 min

Lab File: VL042309.D

Acq: 10 Apr 2025 15:23

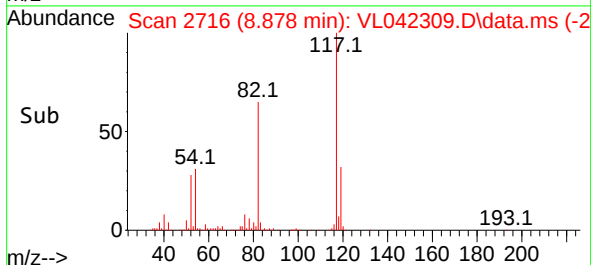
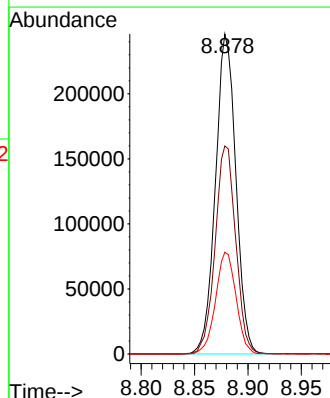
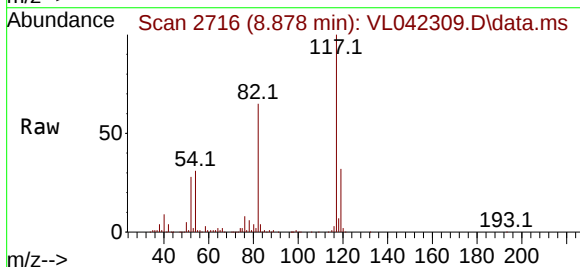
Tgt Ion: 117 Resp: 327264

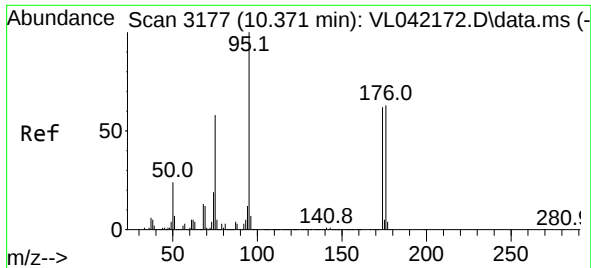
Ion Ratio Lower Upper

117 100

82 65.6 55.8 83.6

119 32.0 25.5 38.3





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.198 ppbv
 RT: 10.374 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VL042309.D
 Acq: 10 Apr 2025 15:23

Instrument :
 MSVOA_L
 ClientSampleId :
 CAN10197

Tgt Ion: 95 Resp: 247191
 Ion Ratio Lower Upper
 95 100
 174 62.2 50.6 76.0
 175 4.9 3.8 5.6

