

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041525\
 Data File : VL042329.D
 Acq On : 15 Apr 2025 13:26
 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 01:31:22 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)

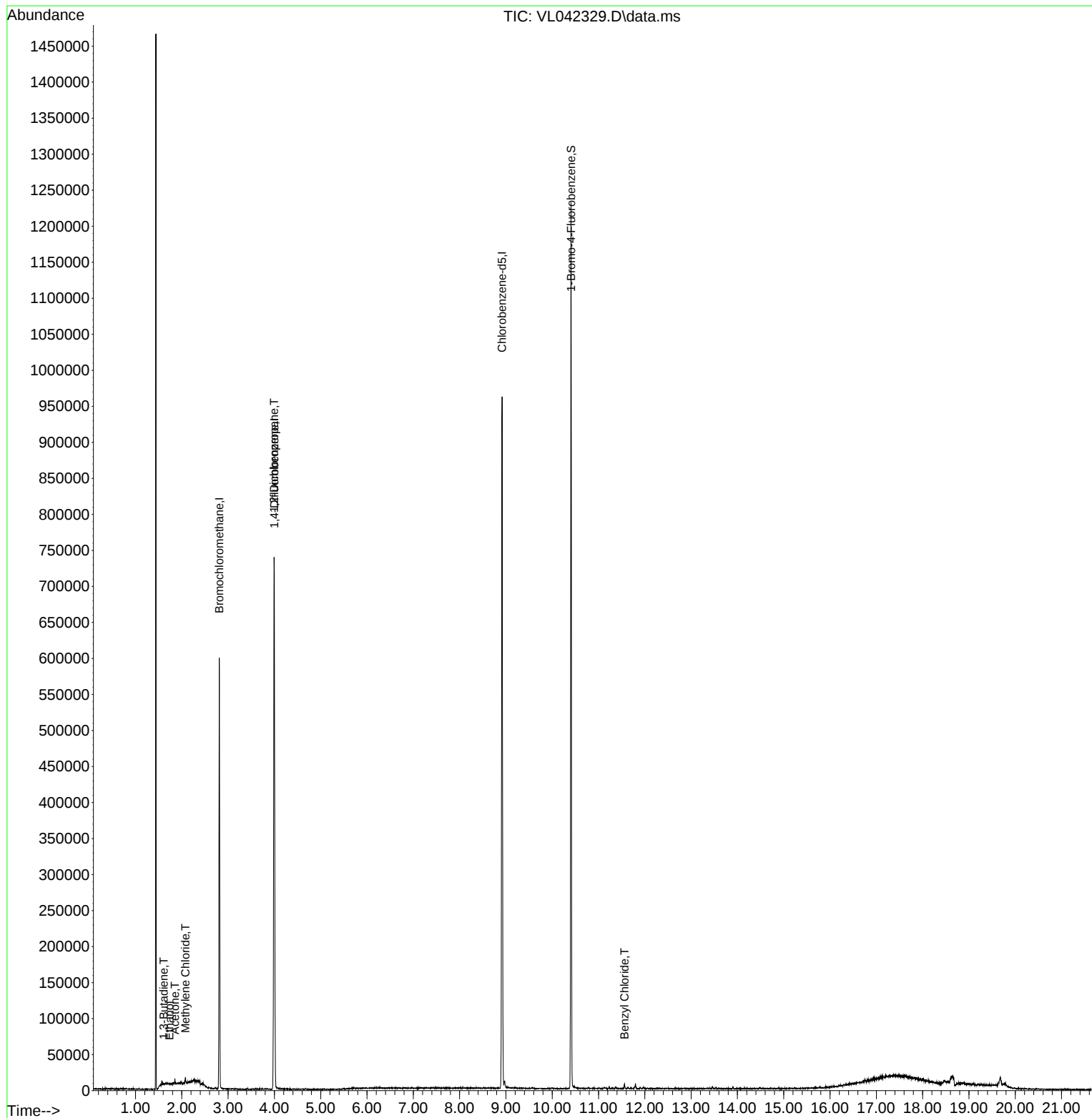
Internal Standards						
1) Bromochloromethane	2.810	49	171639	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	3.998	114	437142	10.000	ppbv	0.05
55) Chlorobenzene-d5	8.917	117	382759	10.000	ppbv	0.04
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.406	95	290432	9.240	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.400%
Target Compounds						
					Qvalue	
13) Ethanol	1.735	45	250	0.223	ppbv #	27
15) Acetone	1.852	43	3095	0.129	ppbv	94
16) 1,3-Butadiene	1.612	39	578	0.049	ppbv #	57
20) Methylene Chloride	2.078	84	1508	0.169	ppbv #	75
39) 1,2-Dichloropropane	3.994	63	110953	7.030	ppbv #	22
66) Benzyl Chloride	11.562	91	251	0.031	ppbv #	81

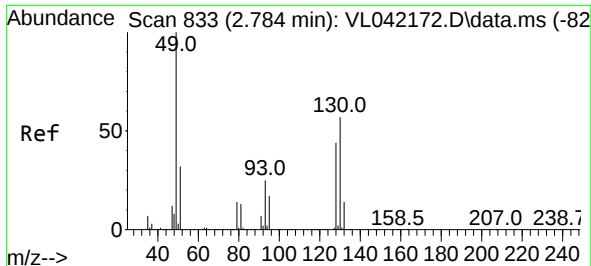
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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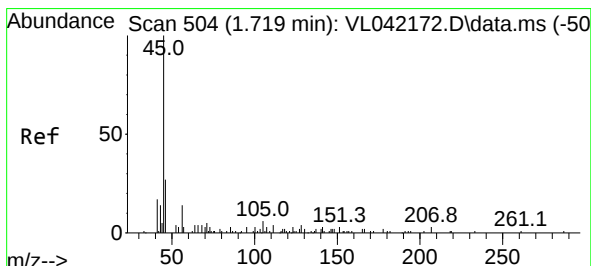
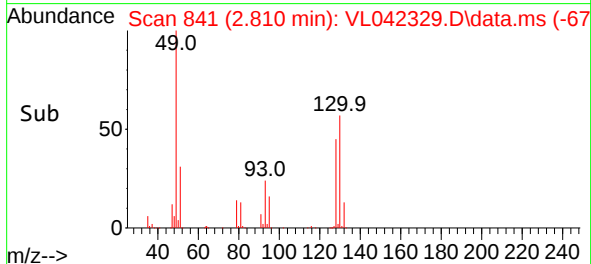
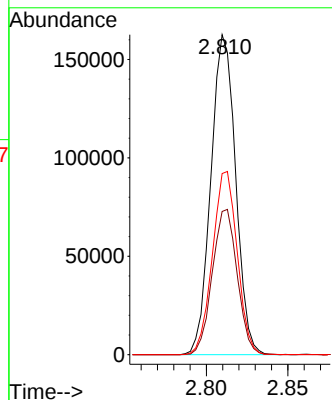
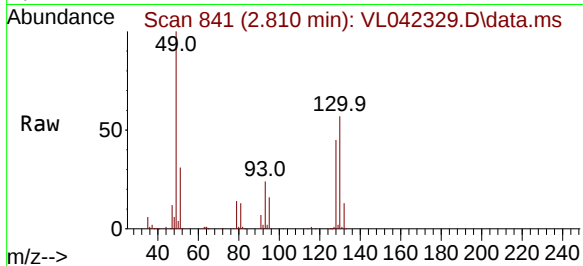




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.810 min Scan# 841
Delta R.T. 0.026 min
Lab File: VL042329.D
Acq: 15 Apr 2025 13:26

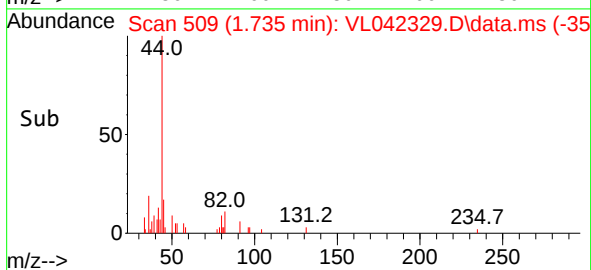
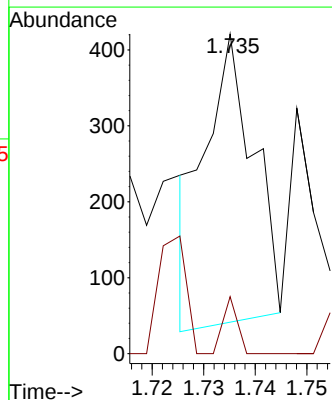
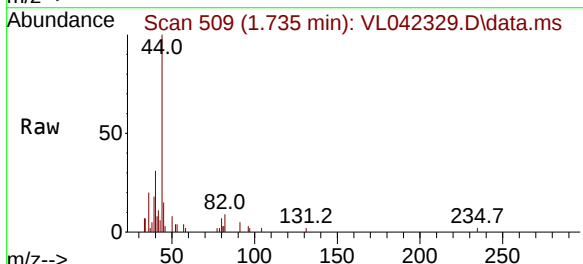
Instrument :
MSVOA_L
ClientSampleId :
QC041425 CAN 10401

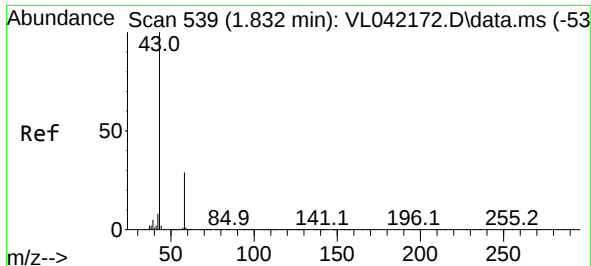
Tgt Ion: 49 Resp: 171639
Ion Ratio Lower Upper
49 100
128 45.7 22.9 68.5
130 57.4 28.8 86.4



#13
Ethanol
Concen: 0.223 ppbv
RT: 1.735 min Scan# 509
Delta R.T. 0.016 min
Lab File: VL042329.D
Acq: 15 Apr 2025 13:26

Tgt Ion: 45 Resp: 250
Ion Ratio Lower Upper
45 100
46 0.0 20.2 80.8#





#15

Acetone

Concen: 0.129 ppbv

RT: 1.852 min Scan# 54

Delta R.T. 0.019 min

Lab File: VL042329.D

Acq: 15 Apr 2025 13:26

Instrument :

MSVOA_L

ClientSampleId :

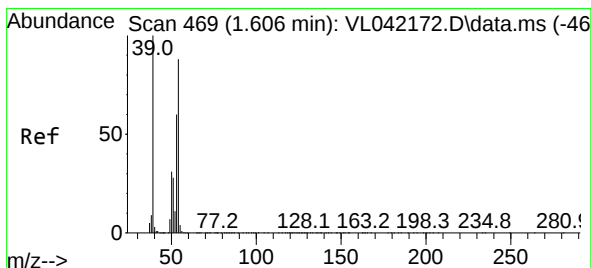
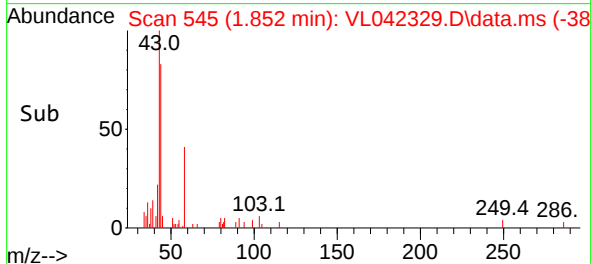
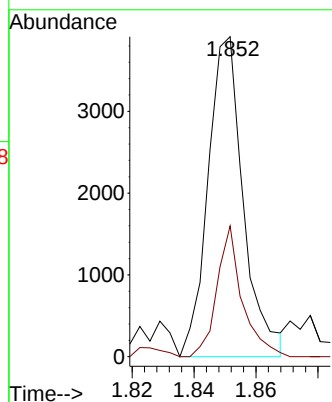
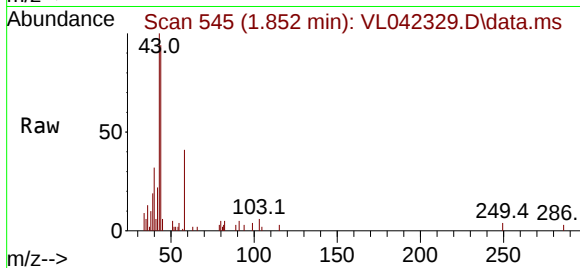
QC041425 CAN 10401

Tgt Ion: 43 Resp: 3095

Ion Ratio Lower Upper

43 100

58 32.0 23.2 34.8



#16

1,3-Butadiene

Concen: 0.049 ppbv

RT: 1.612 min Scan# 471

Delta R.T. 0.006 min

Lab File: VL042329.D

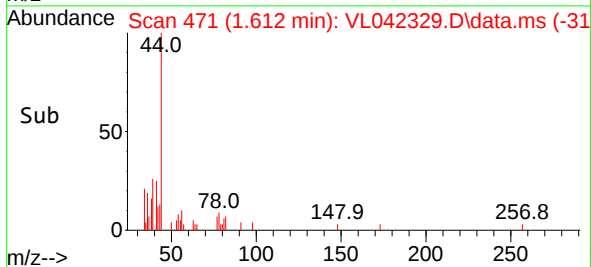
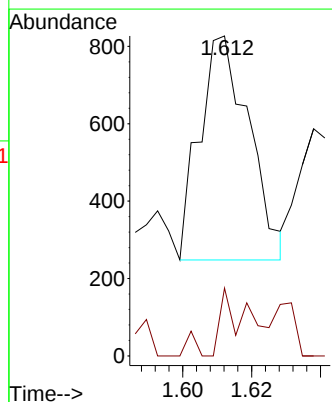
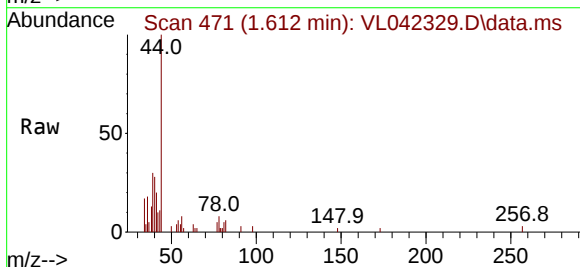
Acq: 15 Apr 2025 13:26

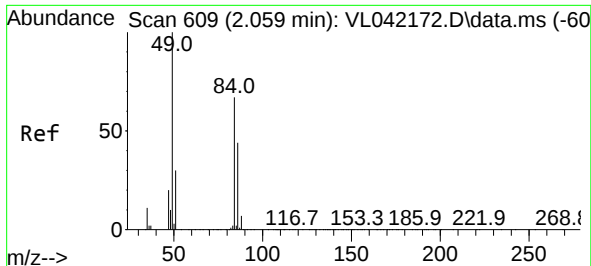
Tgt Ion: 39 Resp: 578

Ion Ratio Lower Upper

39 100

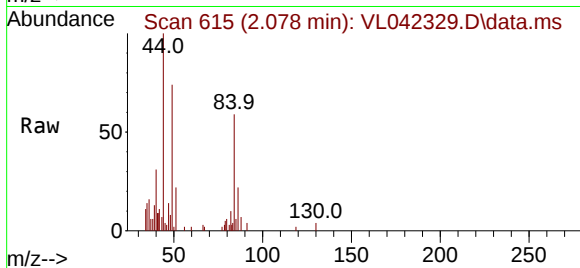
54 39.4 60.7 91.1#



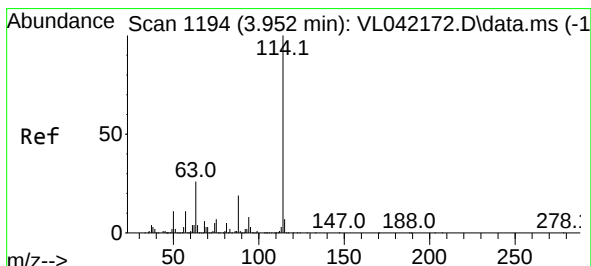
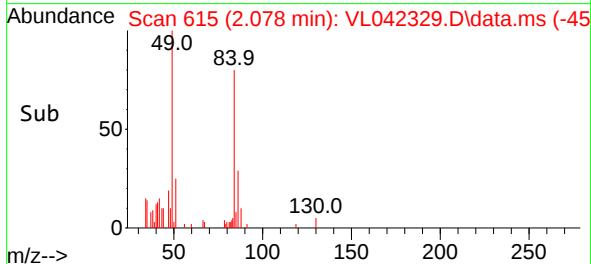
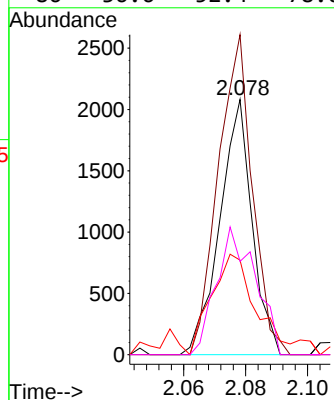


#20
Methylene Chloride
Concen: 0.169 ppbv
RT: 2.078 min Scan# 61
Delta R.T. 0.019 min
Lab File: VL042329.D
Acq: 15 Apr 2025 13:26

Instrument :
MSVOA_L
ClientSampleId :
QC041425 CAN 10401

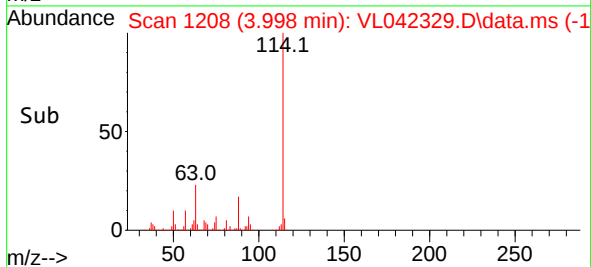
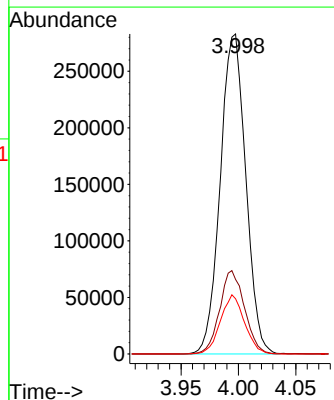
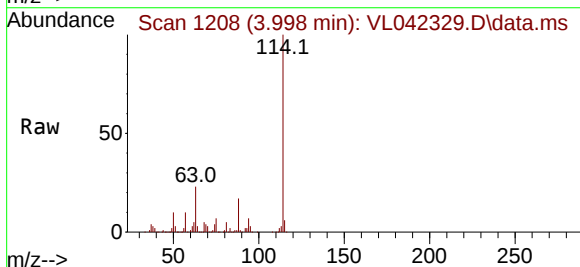


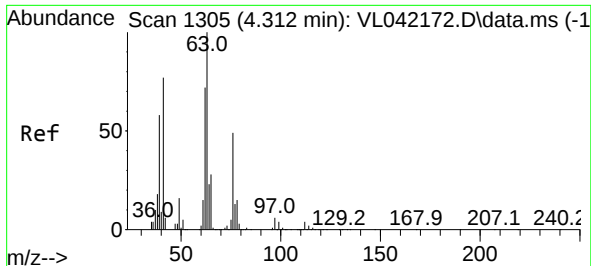
Tgt Ion: 84	Resp: 1508
Ion Ratio	Lower Upper
84 100	
49 122.4	120.2 180.4
51 33.1	37.4 56.0#
86 36.6	52.4 78.6#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.998 min Scan# 1208
Delta R.T. 0.045 min
Lab File: VL042329.D
Acq: 15 Apr 2025 13:26

Tgt Ion:114	Resp: 437142
Ion Ratio	Lower Upper
114 100	
63 25.5	20.7 31.1
88 17.5	15.0 22.4





#39

1,2-Dichloropropane

Concen: 7.030 ppbv

RT: 3.994 min Scan# 11

Delta R.T. -0.317 min

Lab File: VL042329.D

Acq: 15 Apr 2025 13:26

Instrument :

MSVOA_L

ClientSampleId :

QC041425 CAN 10401

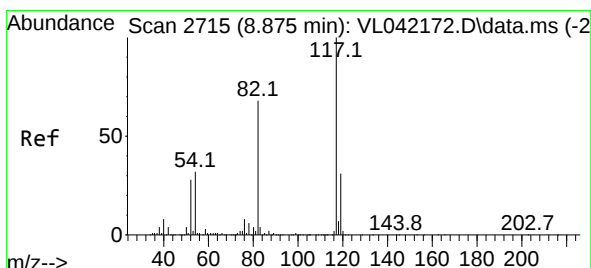
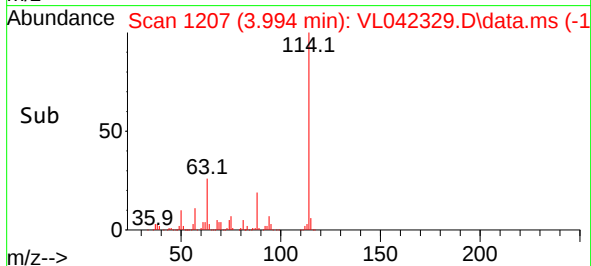
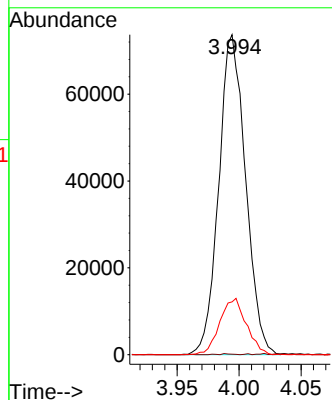
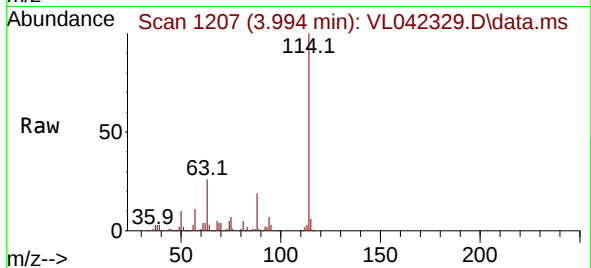
Tgt Ion: 63 Resp: 110953

Ion Ratio Lower Upper

63 100

41 0.2 61.7 92.5#

62 16.5 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: VL042329.D

Acq: 15 Apr 2025 13:26

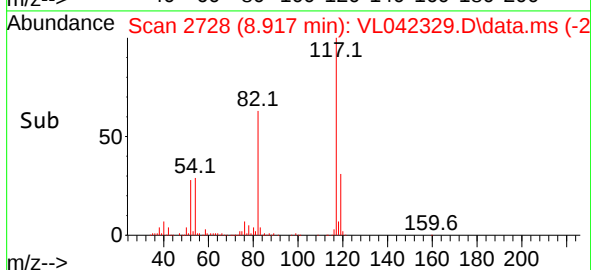
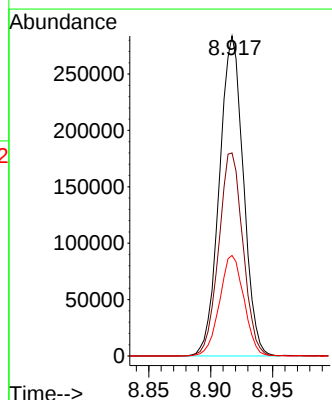
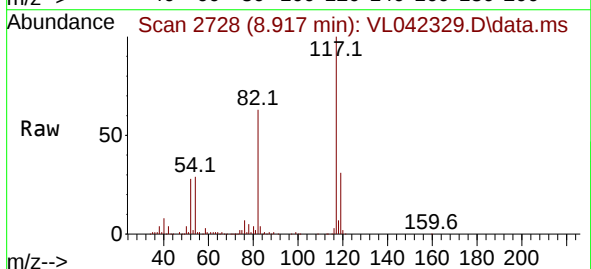
Tgt Ion: 117 Resp: 382759

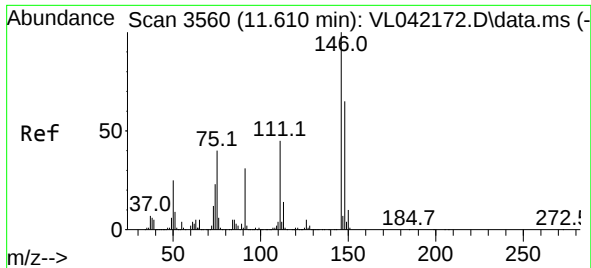
Ion Ratio Lower Upper

117 100

82 64.2 55.8 83.6

119 32.0 25.5 38.3

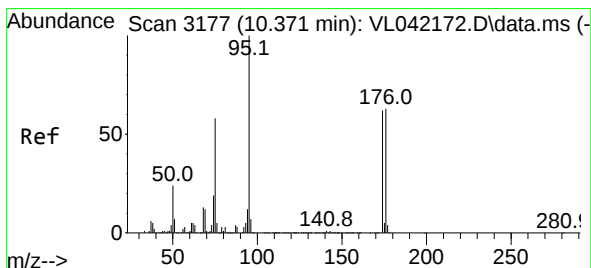
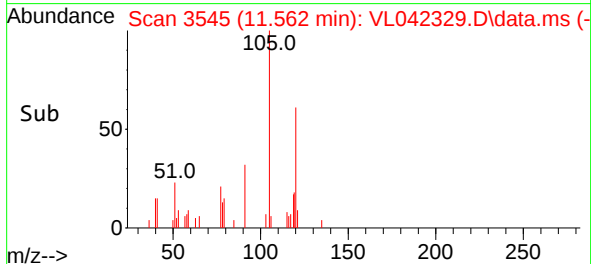
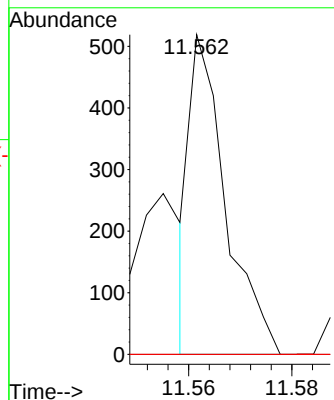
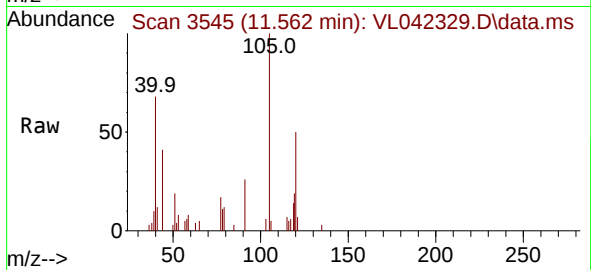




#66
Benzyl Chloride
Concen: 0.031 ppbv
RT: 11.562 min Scan# 3187
Delta R.T. -0.049 min
Lab File: VL042329.D
Acq: 15 Apr 2025 13:26

Instrument :
MSVOA_L
ClientSampleId :
QC041425 CAN 10401

Tgt Ion: 91 Resp: 251
Ion Ratio Lower Upper
91 100
126 8.4 13.8 20.6#
128 0.0 4.5 6.7#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.240 ppbv
RT: 10.406 min Scan# 3188
Delta R.T. 0.035 min
Lab File: VL042329.D
Acq: 15 Apr 2025 13:26

Tgt Ion: 95 Resp: 290432
Ion Ratio Lower Upper
95 100
174 64.4 50.6 76.0
175 4.7 3.8 5.6

