

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
 Data File : VL042180.D
 Acq On : 27 Mar 2025 13:50
 Operator : SY/MD
 Sample : VL0227ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0327ABL01

Quant Time: Mar 28 02:12:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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)

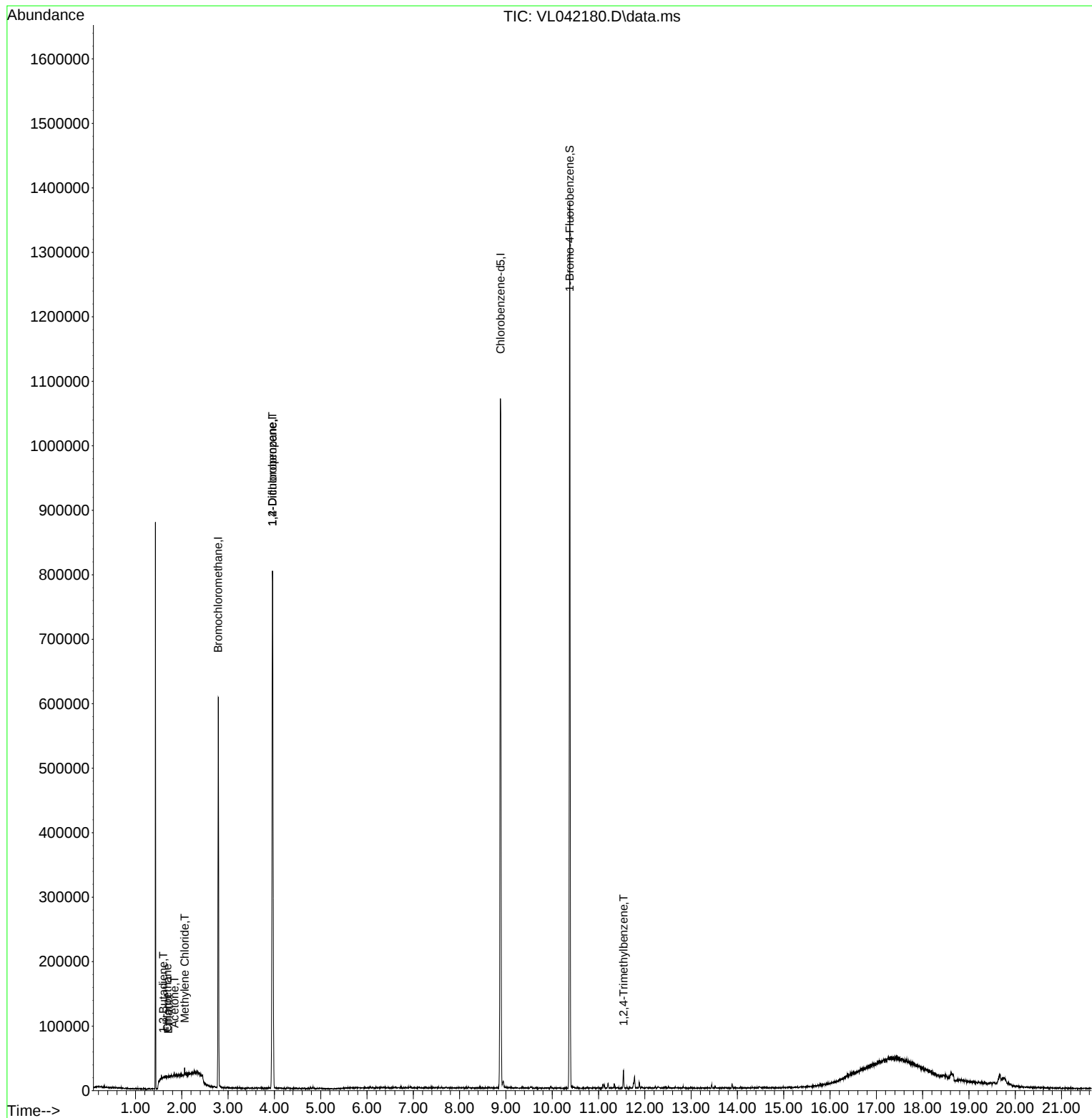
Internal Standards						
1) Bromochloromethane	2.787	49	170921	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	483563	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.881	117	446480	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	364194	9.933	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.300%
Target Compounds						
					Qvalue	
7) Chloroethane	1.686	64	144	0.035	ppbv #	88
13) Ethanol	1.706	45	240	0.215	ppbv	65
15) Acetone	1.839	43	2714	0.114	ppbv #	78
16) 1,3-Butadiene	1.602	39	416	0.036	ppbv #	11
20) Methylene Chloride	2.062	84	1741	0.196	ppbv #	85
39) 1,2-Dichloropropane	3.959	63	127035	7.276	ppbv #	22
74) 1,2,4-Trimethylbenzene	11.539	105	9204	0.116	ppbv #	65

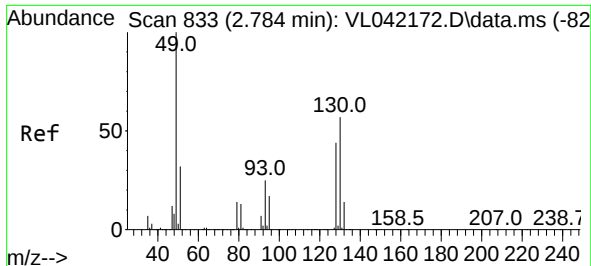
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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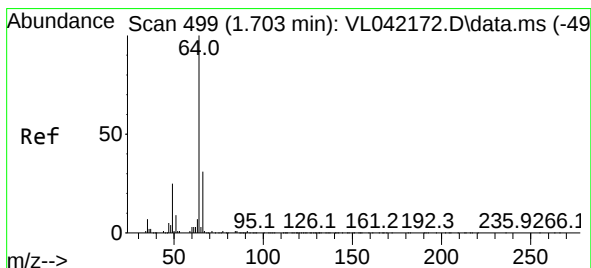
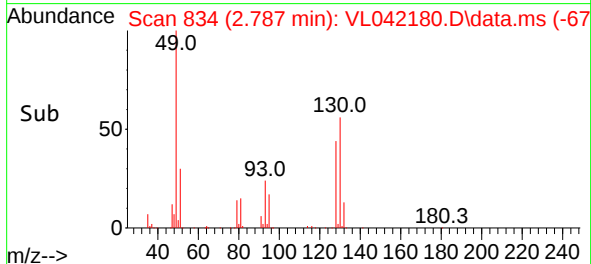
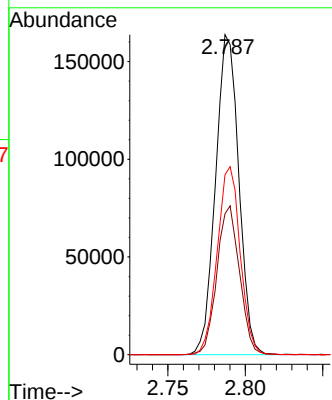
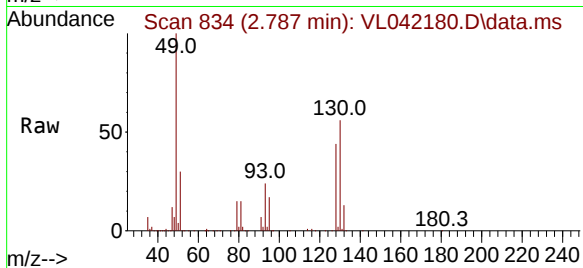




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042180.D
Acq: 27 Mar 2025 13:50

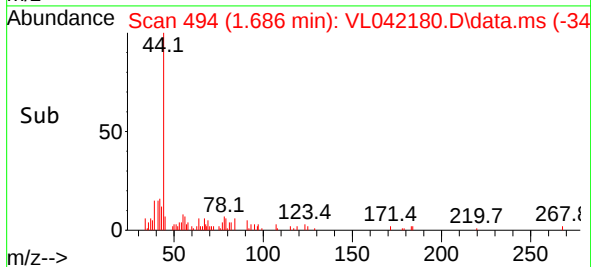
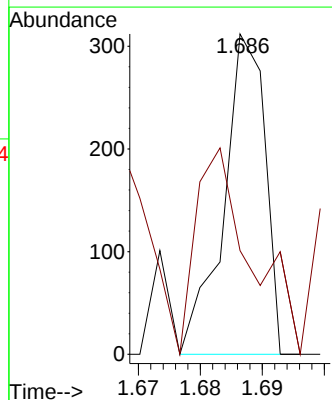
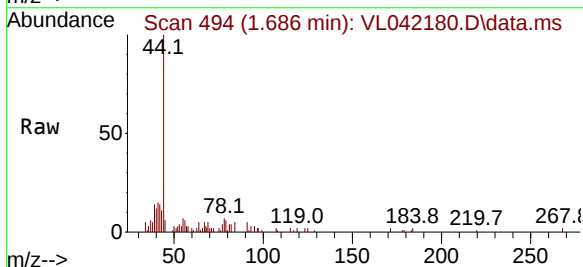
Instrument :
MSVOA_L
ClientSampleId :
VL0327ABL01

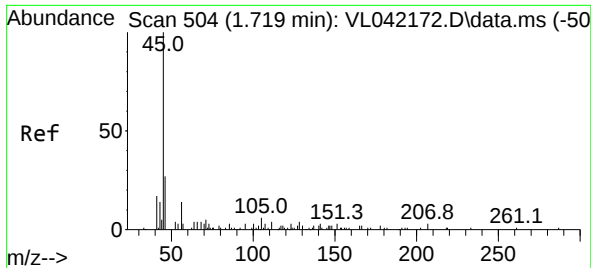
Tgt Ion: 49 Resp: 170921
Ion Ratio Lower Upper
49 100
128 45.3 22.9 68.5
130 58.1 28.8 86.4



#7
Chloroethane
Concen: 0.035 ppbv
RT: 1.686 min Scan# 494
Delta R.T. -0.016 min
Lab File: VL042180.D
Acq: 27 Mar 2025 13:50

Tgt Ion: 64 Resp: 144
Ion Ratio Lower Upper
64 100
66 25.1 25.2 37.8#

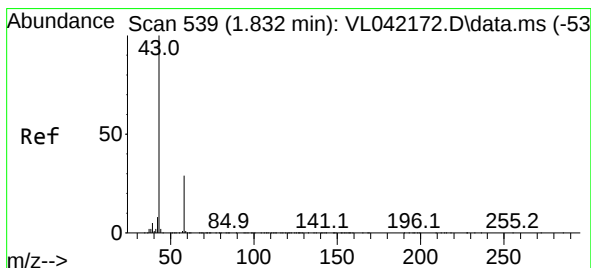
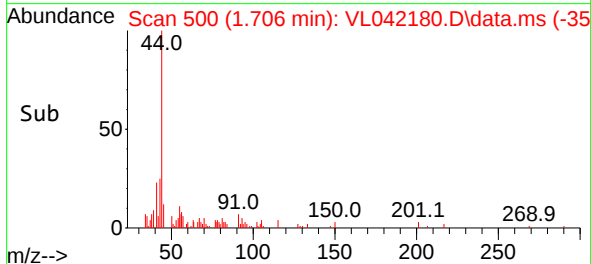
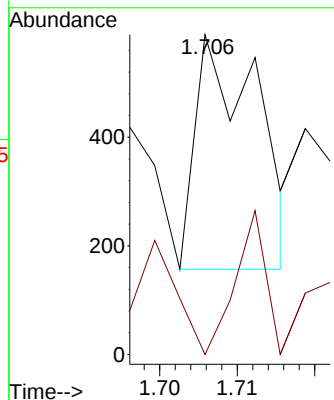
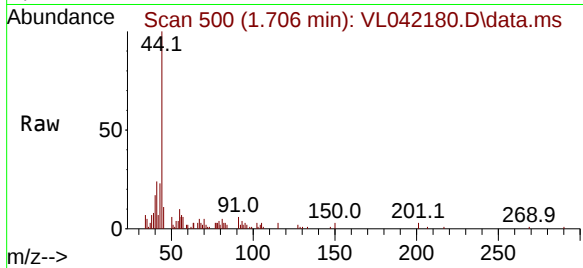




#13
 Ethanol
 Concen: 0.215 ppbv
 RT: 1.706 min Scan# 504
 Delta R.T. -0.013 min
 Lab File: VL042180.D
 Acq: 27 Mar 2025 13:50

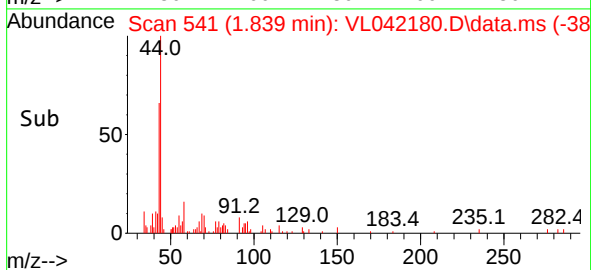
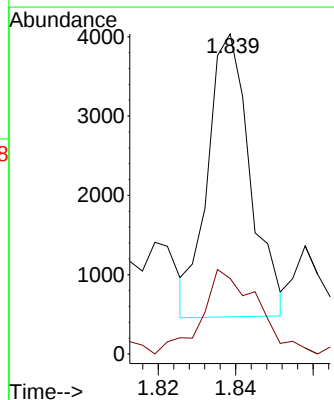
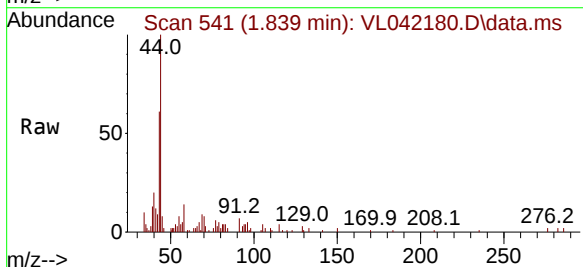
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0327ABL01

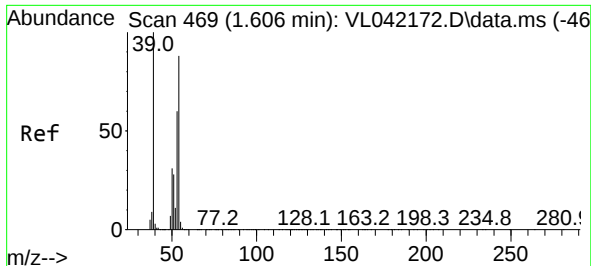
Tgt Ion: 45 Resp: 240
 Ion Ratio Lower Upper
 45 100
 46 74.6 20.2 80.8



#15
 Acetone
 Concen: 0.114 ppbv
 RT: 1.839 min Scan# 541
 Delta R.T. 0.006 min
 Lab File: VL042180.D
 Acq: 27 Mar 2025 13:50

Tgt Ion: 43 Resp: 2714
 Ion Ratio Lower Upper
 43 100
 58 41.0 23.2 34.8#

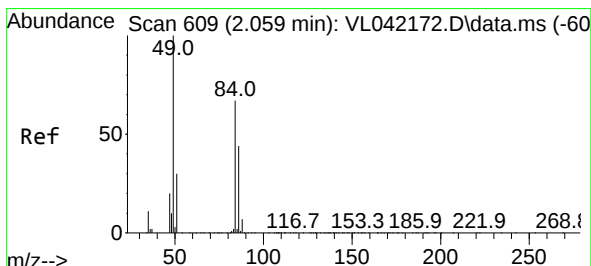
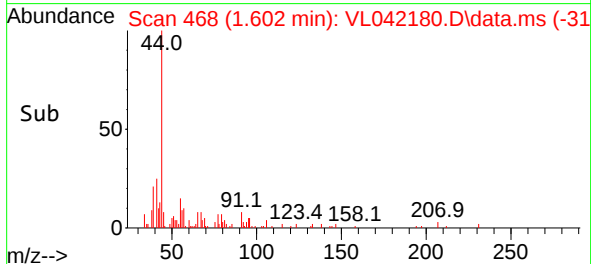
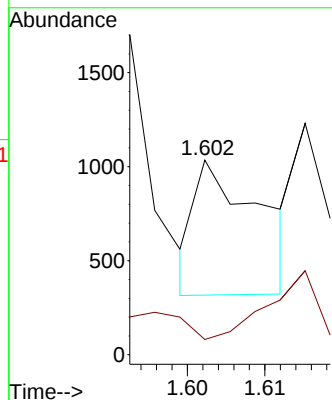
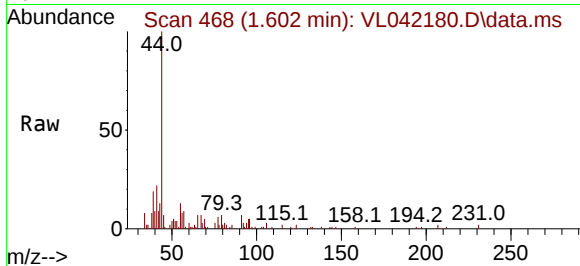




#16
1,3-Butadiene
Concen: 0.036 ppbv
RT: 1.602 min Scan# 416
Delta R.T. -0.004 min
Lab File: VL042180.D
Acq: 27 Mar 2025 13:50

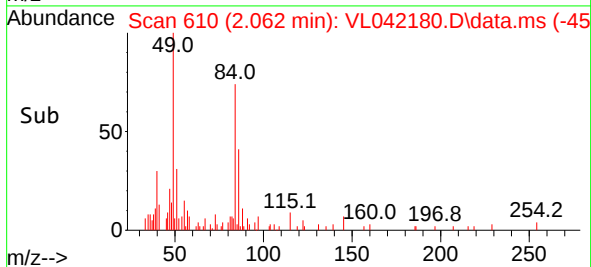
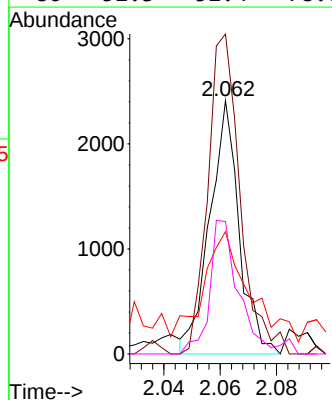
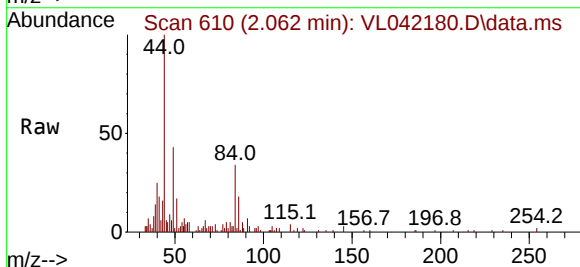
Instrument :
MSVOA_L
ClientSampleId :
VL0327ABL01

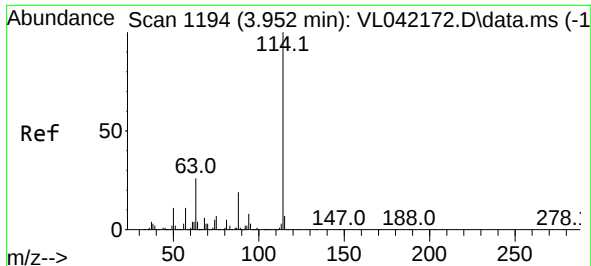
Tgt Ion: 39 Resp: 416
Ion Ratio Lower Upper
39 100
54 0.0 60.7 91.1#



#20
Methylene Chloride
Concen: 0.196 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042180.D
Acq: 27 Mar 2025 13:50

Tgt Ion: 84 Resp: 1741
Ion Ratio Lower Upper
84 100
49 133.4 120.2 180.4
51 34.3 37.4 56.0#
86 52.3 52.4 78.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. 0.006 min

Lab File: VL042180.D

Acq: 27 Mar 2025 13:50

Instrument :

MSVOA_L

ClientSampleId :

VL0327ABL01

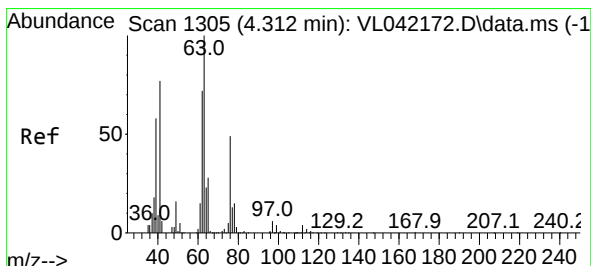
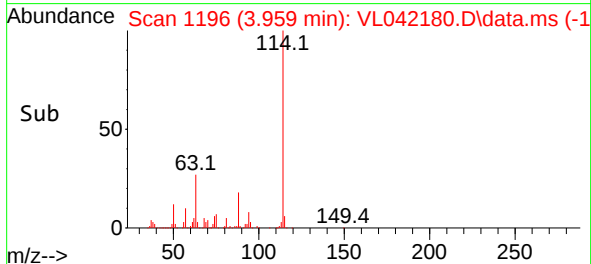
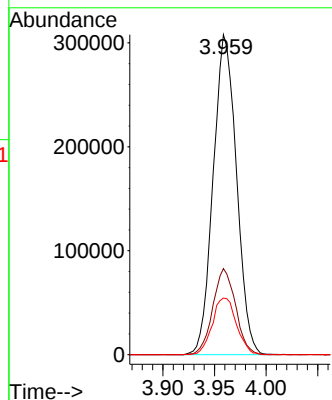
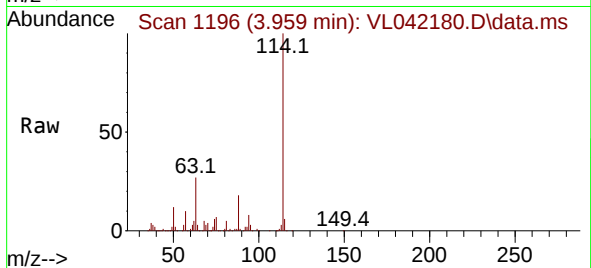
Tgt Ion:114 Resp: 483563

Ion Ratio Lower Upper

114 100

63 26.3 20.7 31.1

88 18.4 15.0 22.4



#39

1,2-Dichloropropane

Concen: 7.276 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. -0.353 min

Lab File: VL042180.D

Acq: 27 Mar 2025 13:50

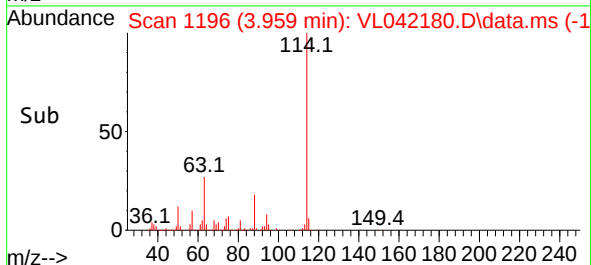
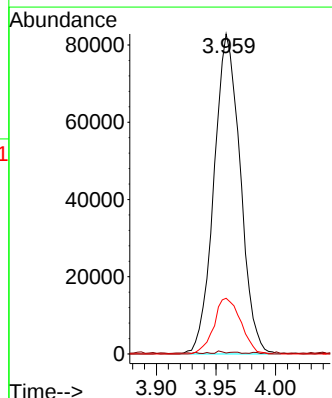
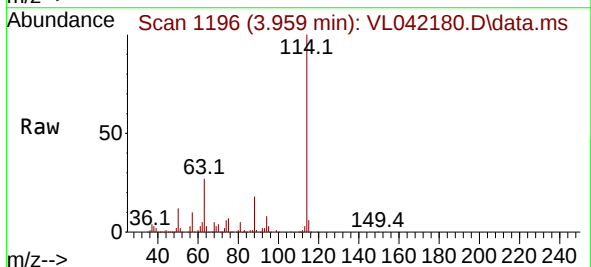
Tgt Ion: 63 Resp: 127035

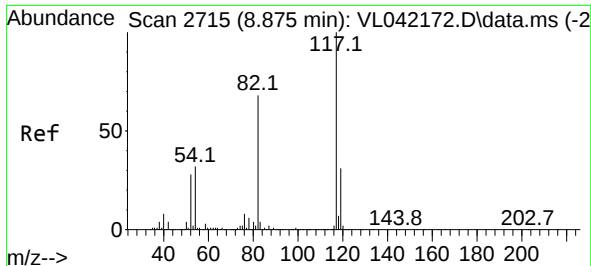
Ion Ratio Lower Upper

63 100

41 0.3 61.7 92.5#

62 17.4 57.6 86.4#

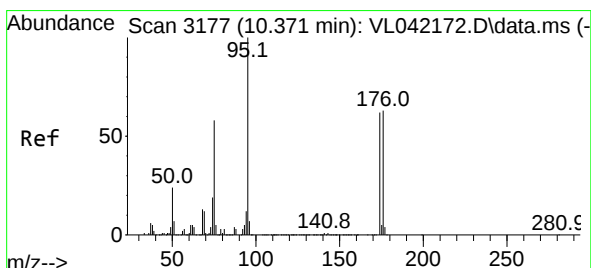
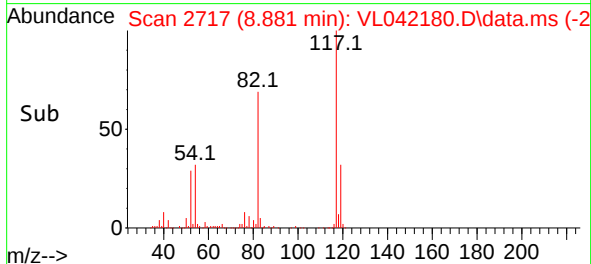
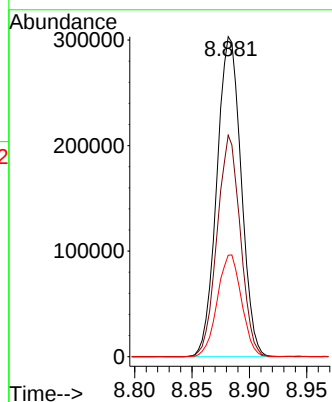
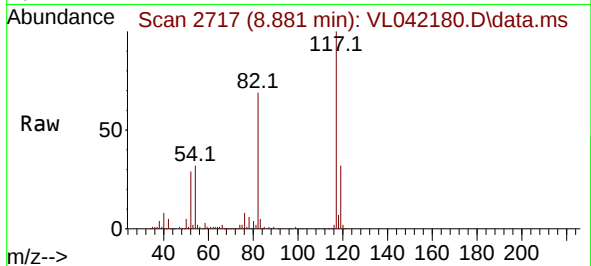




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.881 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL042180.D
Acq: 27 Mar 2025 13:50

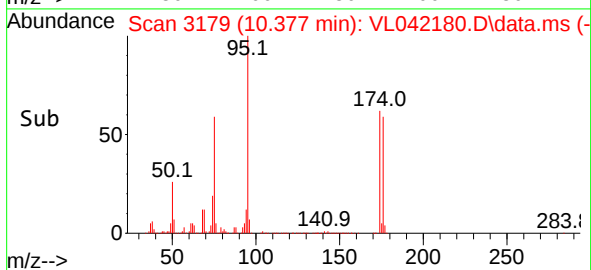
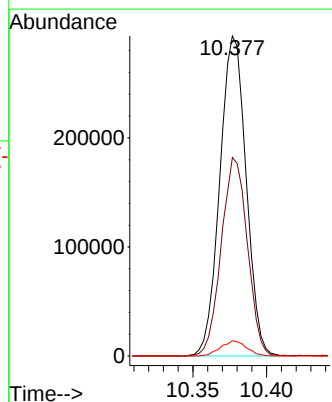
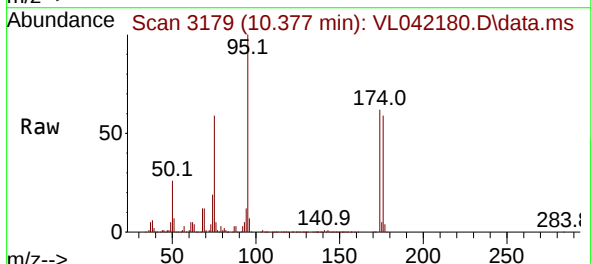
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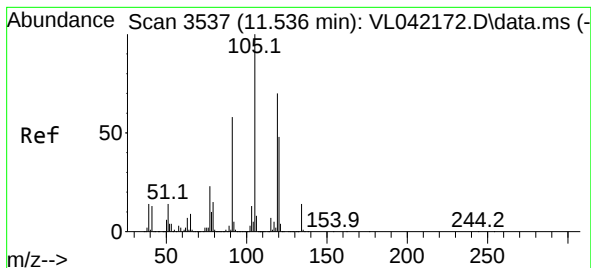
Tgt Ion:117 Resp: 446480
Ion Ratio Lower Upper
117 100
82 66.3 55.8 83.6
119 31.9 25.5 38.3



#68
1-Bromo-4-Fluorobenzene
Concen: 9.933 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. 0.006 min
Lab File: VL042180.D
Acq: 27 Mar 2025 13:50

Tgt Ion: 95 Resp: 364194
Ion Ratio Lower Upper
95 100
174 61.6 50.6 76.0
175 4.6 3.8 5.6





#74

1,2,4-Trimethylbenzene

Concen: 0.116 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. 0.003 min

Lab File: VL042180.D

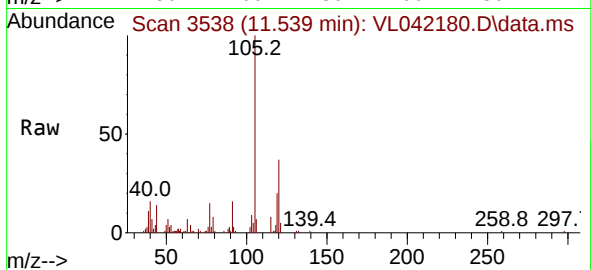
Acq: 27 Mar 2025 13:50

Instrument :

MSVOA_L

ClientSampleId :

VL0327ABL01



Tgt Ion:105 Resp: 9204

Ion Ratio Lower Upper

105 100

120 36.8 38.6 58.0#

91 15.8 46.2 69.2#

77 15.3 18.6 27.8#

