

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061625\
 Data File : VL042623.D
 Acq On : 16 Jun 2025 09:43
 Operator : SY/MD
 Sample : VL0616ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0616ABL01

Quant Time: Jun 17 03:03:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 30 02:01:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	108213	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	292209	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	252864	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	192542	10.158	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.600%

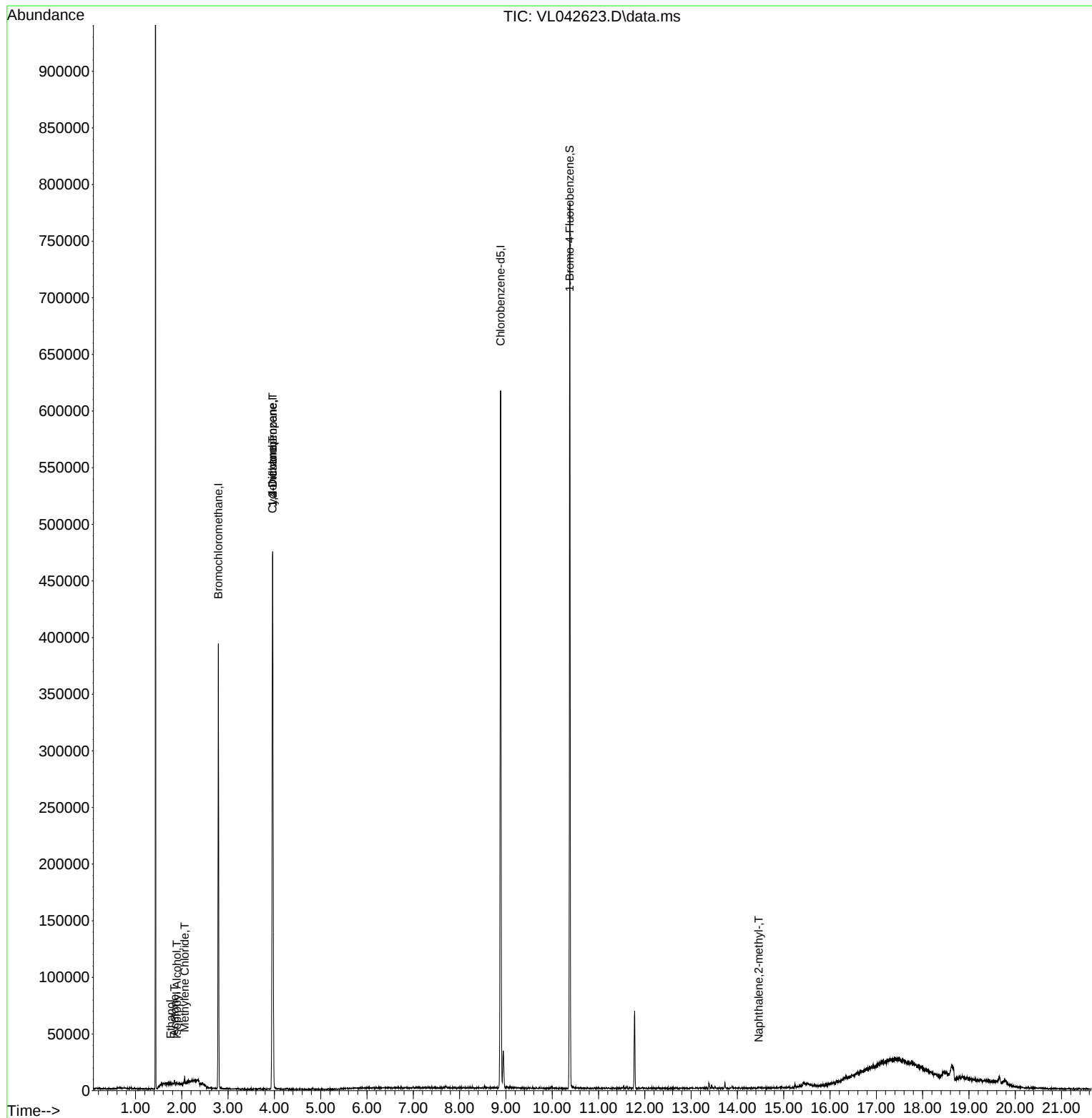
Target Compounds						Qvalue
13) Ethanol	1.761	45	217	0.247	ppbv #	1
15) Acetone	1.839	43	1796	0.138	ppbv #	87
19) Isopropyl Alcohol	1.890	45	579	0.074	ppbv #	38
20) Methylene Chloride	2.062	84	925	0.215	ppbv #	78
30) Cyclohexane	3.959	84	955	0.071	ppbv #	1
39) 1,2-Dichloropropane	3.962	63	71858	6.753	ppbv #	23
80) Naphthalene,2-methyl-	14.462	142	555	0.034	ppbv #	83

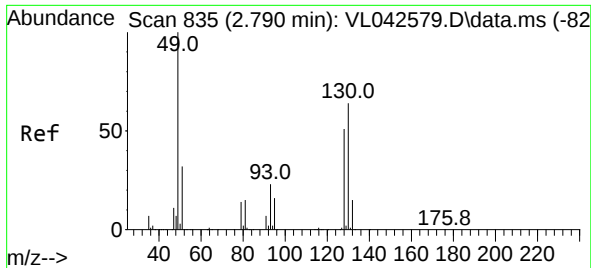
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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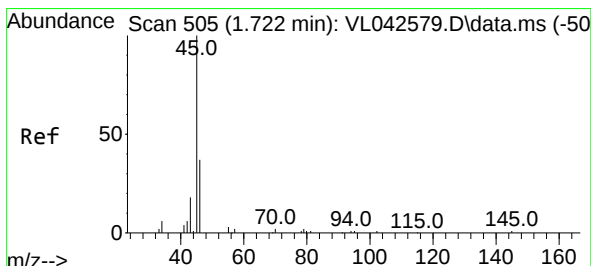
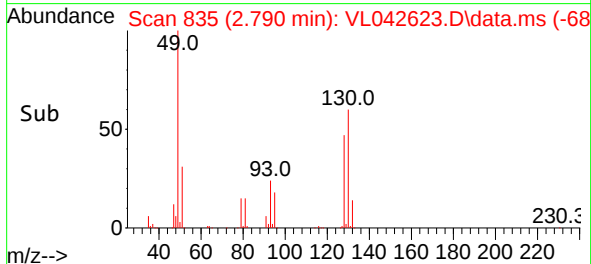
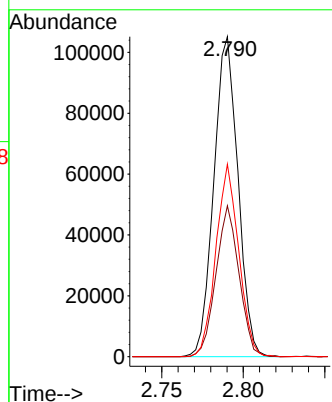
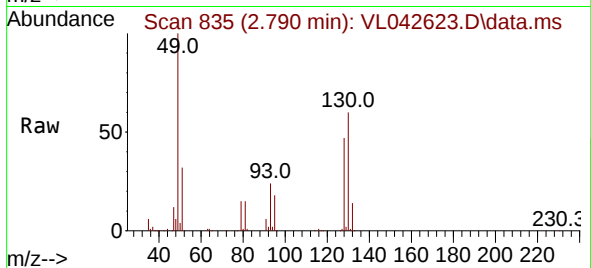




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL042623.D
Acq: 16 Jun 2025 09:43

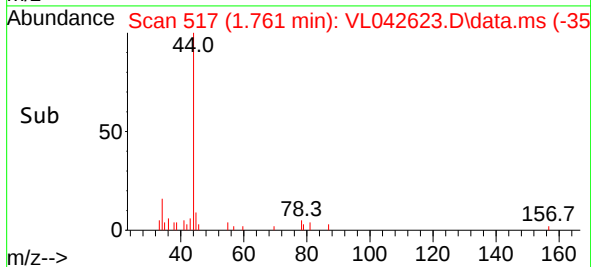
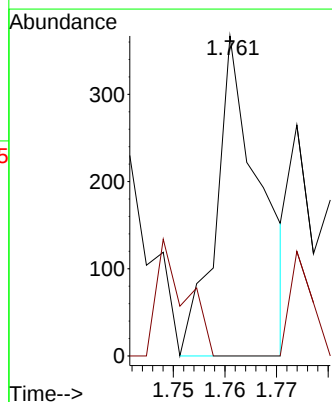
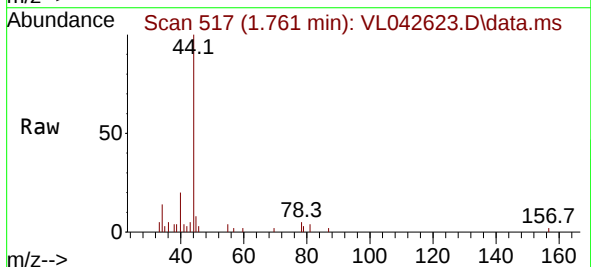
Instrument :
MSVOA_L
ClientSampleId :
VL0616ABL01

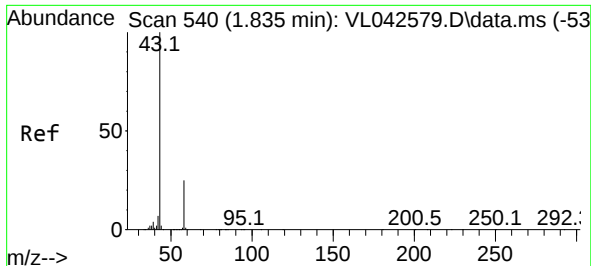
Tgt Ion: 49 Resp: 108213
Ion Ratio Lower Upper
49 100
128 45.1 24.2 72.6
130 56.9 30.4 91.2



#13
Ethanol
Concen: 0.247 ppbv
RT: 1.761 min Scan# 517
Delta R.T. 0.039 min
Lab File: VL042623.D
Acq: 16 Jun 2025 09:43

Tgt Ion: 45 Resp: 217
Ion Ratio Lower Upper
45 100
46 124.0 14.5 58.1#





#15

Acetone

Concen: 0.138 ppbv

RT: 1.839 min Scan# 54

Delta R.T. 0.003 min

Lab File: VL042623.D

Acq: 16 Jun 2025 09:43

Instrument :

MSVOA_L

ClientSampleId :

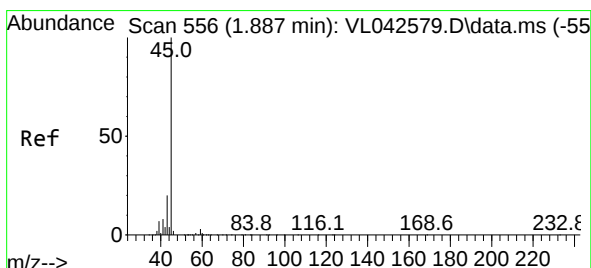
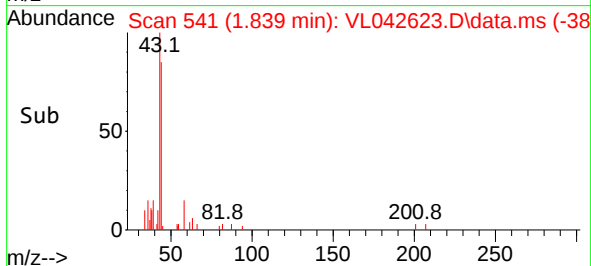
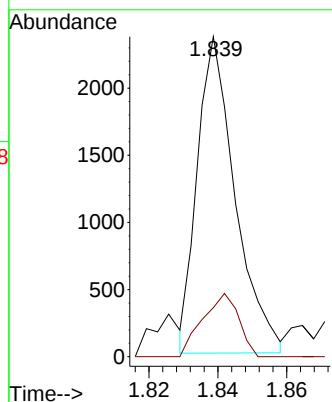
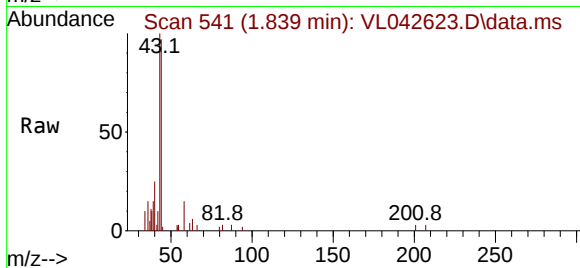
VL0616ABL01

Tgt Ion: 43 Resp: 1796

Ion Ratio Lower Upper

43 100

58 19.7 21.0 31.4#



#19

Isopropyl Alcohol

Concen: 0.074 ppbv

RT: 1.890 min Scan# 557

Delta R.T. 0.003 min

Lab File: VL042623.D

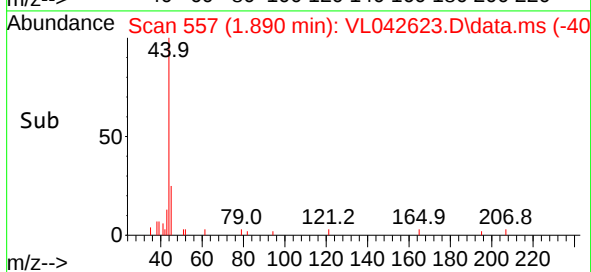
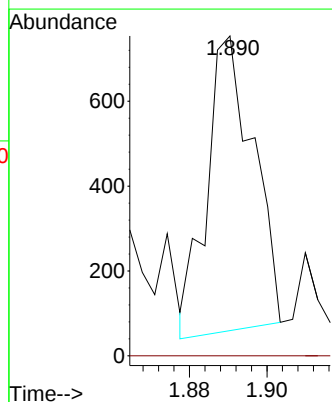
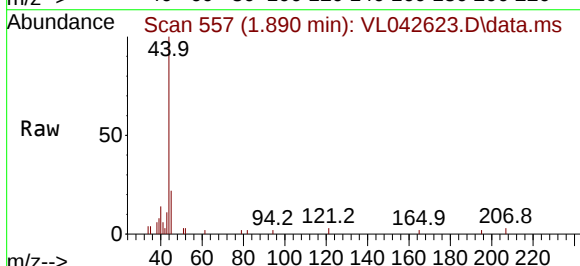
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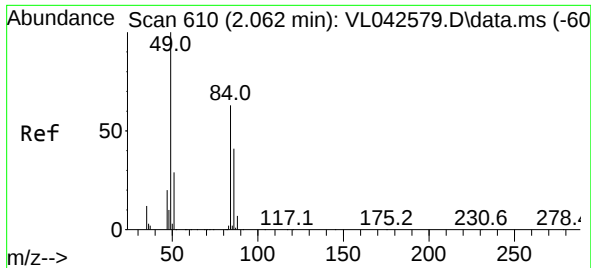
Tgt Ion: 45 Resp: 579

Ion Ratio Lower Upper

45 100

58 0.0 29.4 44.2#

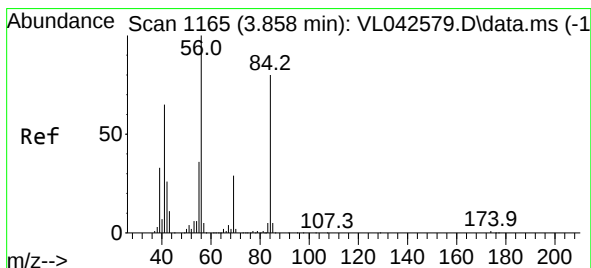
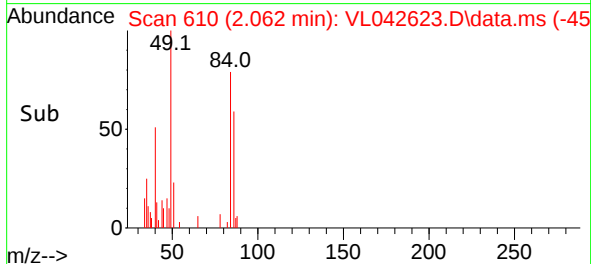
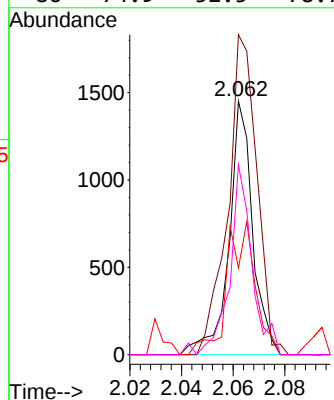
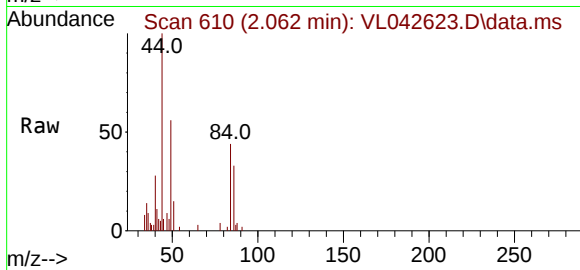




#20
Methylene Chloride
Concen: 0.215 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.000 min
Lab File: VL042623.D
Acq: 16 Jun 2025 09:43

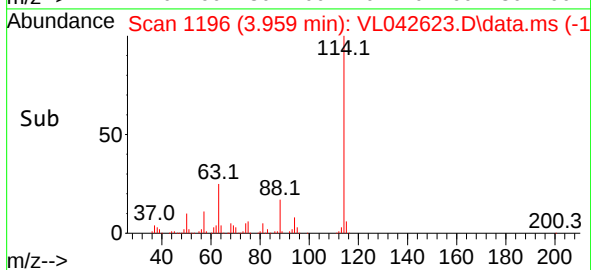
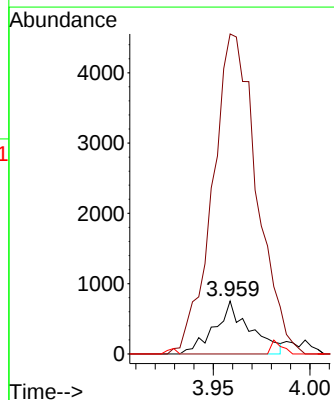
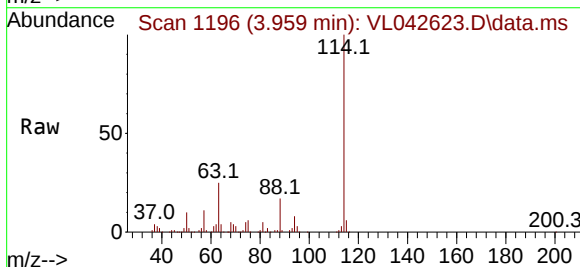
Instrument :
MSVOA_L
ClientSampleId :
VL0616ABL01

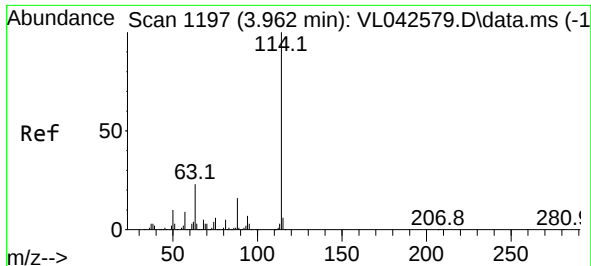
Tgt Ion:	84	Resp:	925
Ion	Ratio	Lower	Upper
84	100		
49	126.2	128.8	193.2#
51	34.2	38.6	57.8#
86	74.9	52.5	78.7



#30
Cyclohexane
Concen: 0.071 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. 0.100 min
Lab File: VL042623.D
Acq: 16 Jun 2025 09:43

Tgt Ion:	84	Resp:	955
Ion	Ratio	Lower	Upper
84	100		
56	758.4	103.7	155.5#
41	14.0	65.1	97.7#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. 0.000 min

Lab File: VL042623.D

Acq: 16 Jun 2025 09:43

Instrument :

MSVOA_L

ClientSampleId :

VL0616ABL01

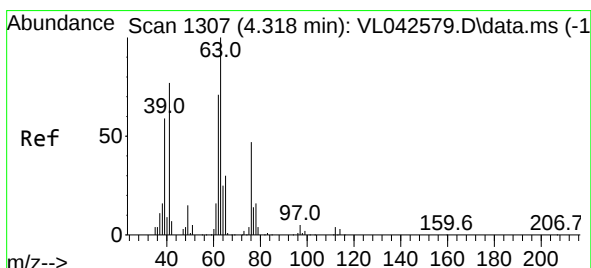
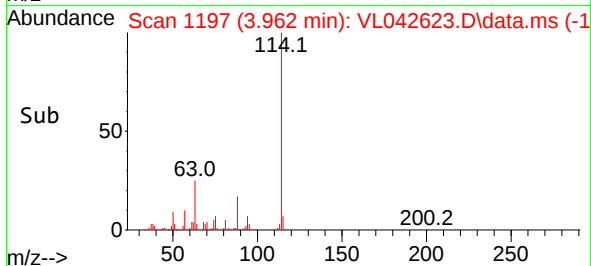
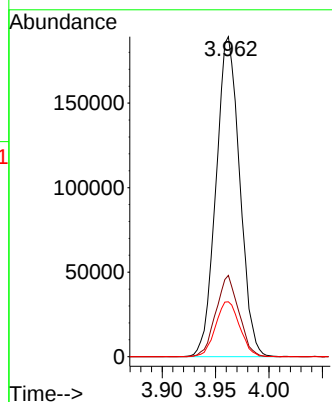
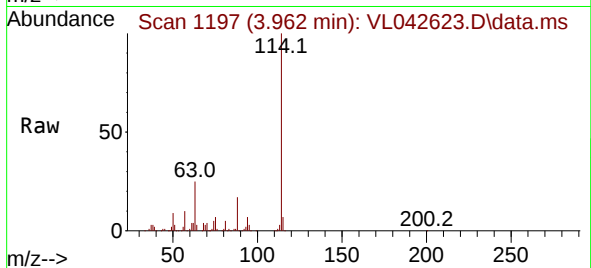
Tgt Ion:114 Resp: 292209

Ion Ratio Lower Upper

114 100

63 24.6 19.0 28.6

88 17.5 13.6 20.4



#39

1,2-Dichloropropane

Concen: 6.753 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. -0.356 min

Lab File: VL042623.D

Acq: 16 Jun 2025 09:43

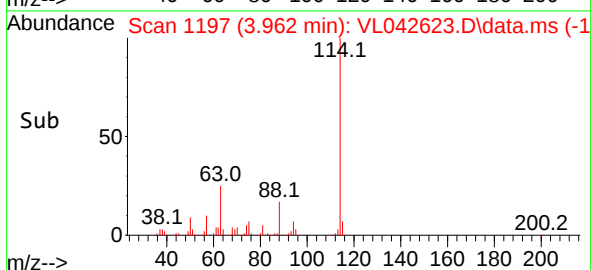
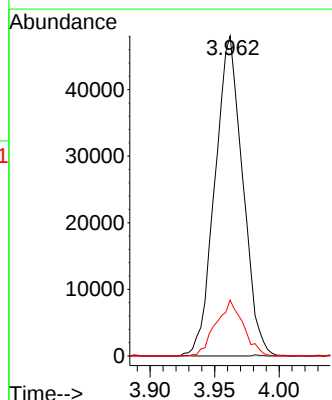
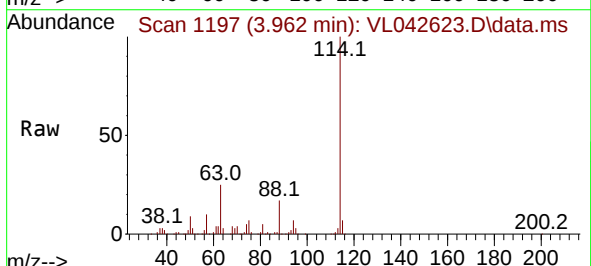
Tgt Ion: 63 Resp: 71858

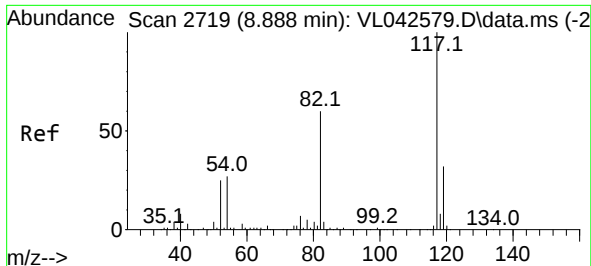
Ion Ratio Lower Upper

63 100

41 0.0 61.8 92.6#

62 17.5 56.6 85.0#

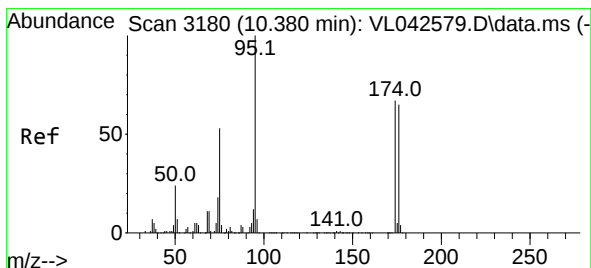
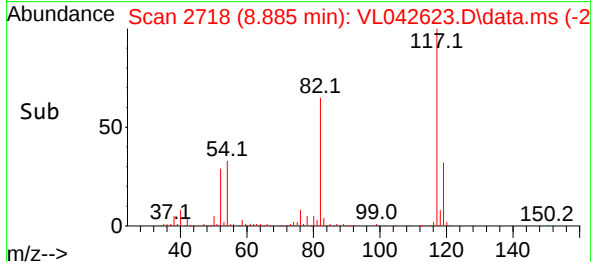
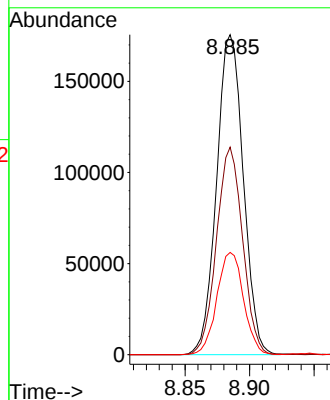
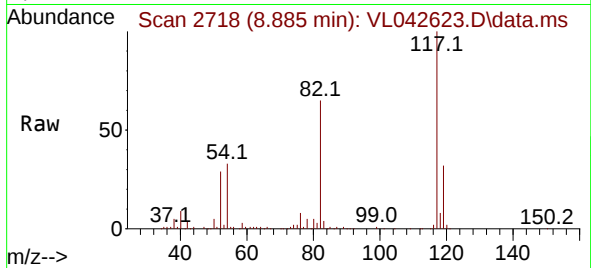




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042623.D
Acq: 16 Jun 2025 09:43

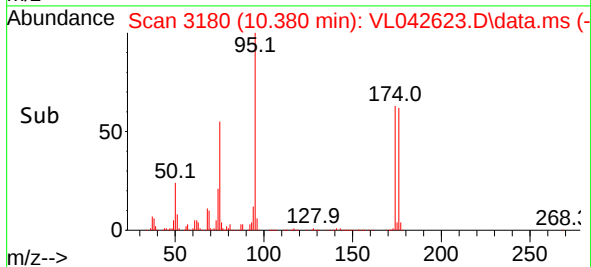
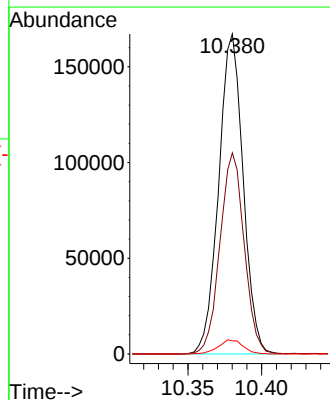
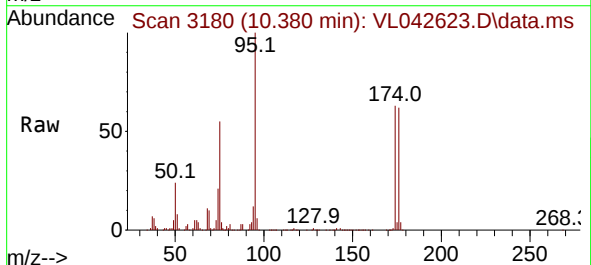
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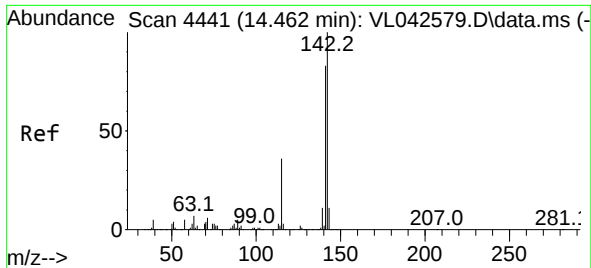
Tgt Ion:117 Resp: 252864
Ion Ratio Lower Upper
117 100
82 63.5 51.2 76.8
119 31.9 26.3 39.5



#68
1-Bromo-4-Fluorobenzene
Concen: 10.158 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. 0.000 min
Lab File: VL042623.D
Acq: 16 Jun 2025 09:43

Tgt Ion: 95 Resp: 192542
Ion Ratio Lower Upper
95 100
174 62.6 53.1 79.7
175 4.5 4.2 6.2





#80
 Naphthalene, 2-methyl-
 Concen: 0.034 ppbv
 RT: 14.462 min Scan# 4441
 Delta R.T. 0.000 min
 Lab File: VL042623.D
 Acq: 16 Jun 2025 09:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0616ABL01

Tgt Ion	Ratio	Lower	Upper
142	100		
141	72.3	66.2	99.4
115	18.4	28.3	42.5

