

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060525\
 Data File : VL042615.D
 Acq On : 05 Jun 2025 10:12
 Operator : SY/MD
 Sample : VL0605ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0605ABL01

Quant Time: Jun 06 01:37:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-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)

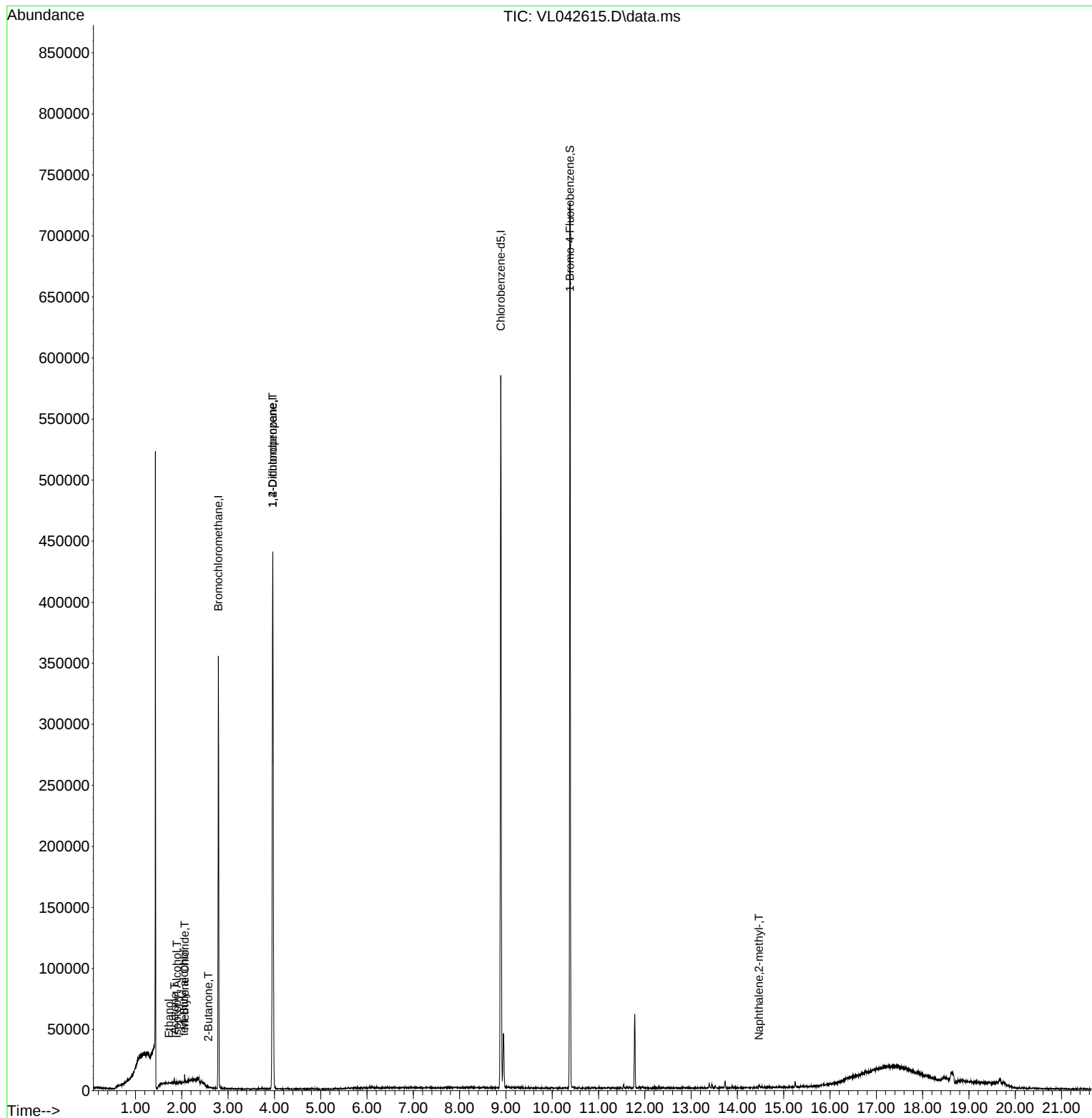
Internal Standards						
1) Bromochloromethane	2.790	49	100644	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	264126	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	238873	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	179494	10.024	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.200%
Target Compounds						
					Qvalue	
13) Ethanol	1.722	45	175	0.214	ppbv #	44
15) Acetone	1.842	43	1170	0.097	ppbv #	72
17) tert-Butyl alcohol	2.049	59	431	0.034	ppbv #	83
19) Isopropyl Alcohol	1.894	45	379	0.052	ppbv #	38
20) Methylene Chloride	2.062	84	649	0.162	ppbv	85
34) 2-Butanone	2.570	43	571	0.030	ppbv #	54
39) 1,2-Dichloropropane	3.965	63	67371	7.004	ppbv #	22
80) Naphthalene,2-methyl-	14.468	142	491	0.032	ppbv #	66

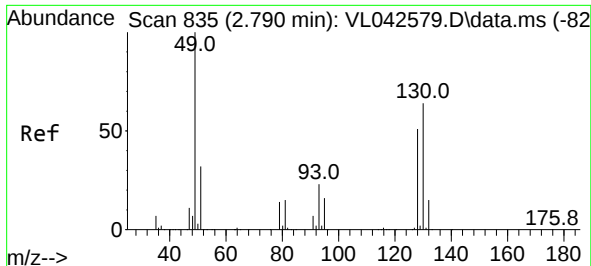
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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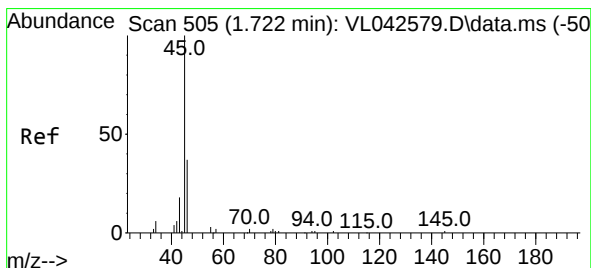
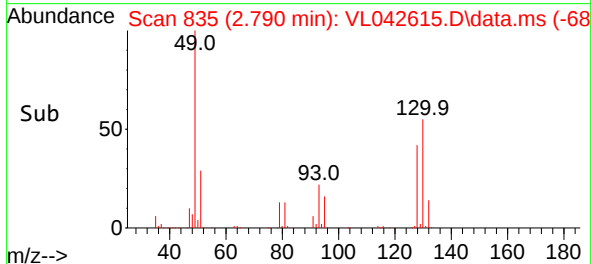
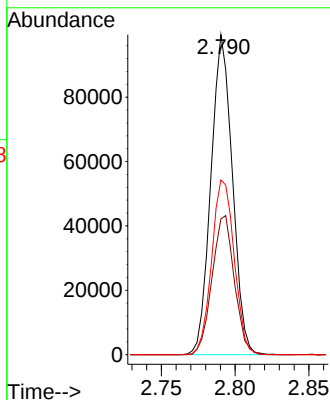
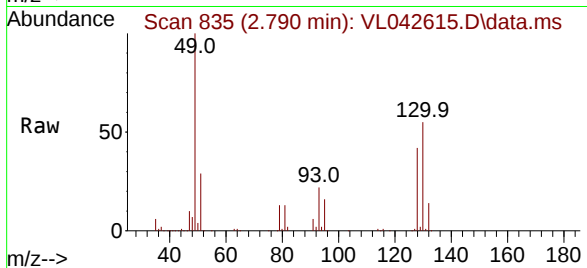




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 835
Delta R.T. 0.000 min
Lab File: VL042615.D
Acq: 05 Jun 2025 10:12

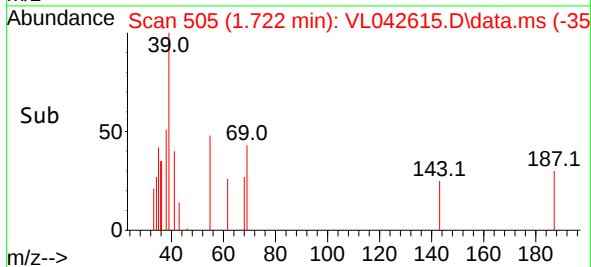
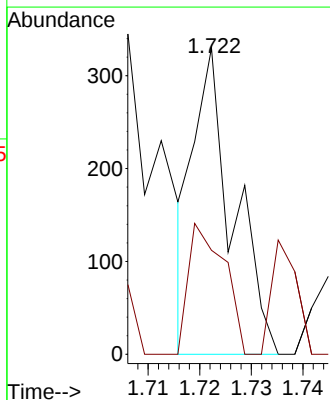
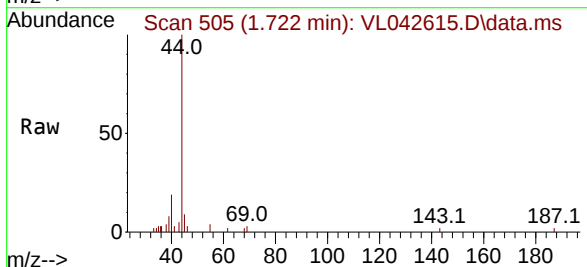
Instrument :
MSVOA_L
ClientSampleId :
VL0605ABL01

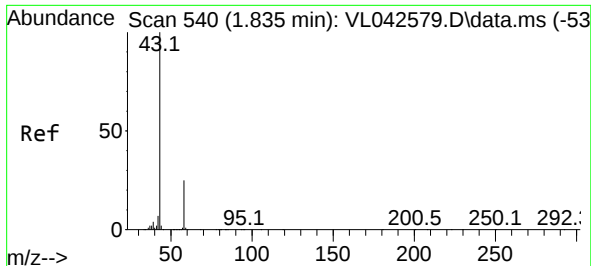
Tgt Ion: 49 Resp: 100644
Ion Ratio Lower Upper
49 100
128 45.1 24.2 72.6
130 57.3 30.4 91.2



#13
Ethanol
Concen: 0.214 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.000 min
Lab File: VL042615.D
Acq: 05 Jun 2025 10:12

Tgt Ion: 45 Resp: 175
Ion Ratio Lower Upper
45 100
46 69.1 14.5 58.1#

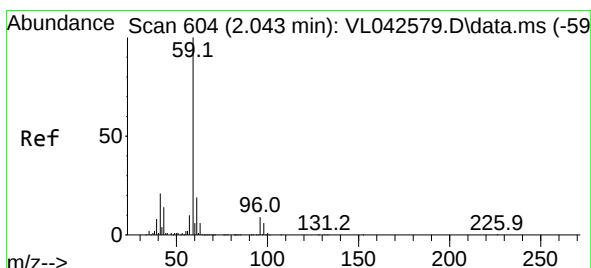
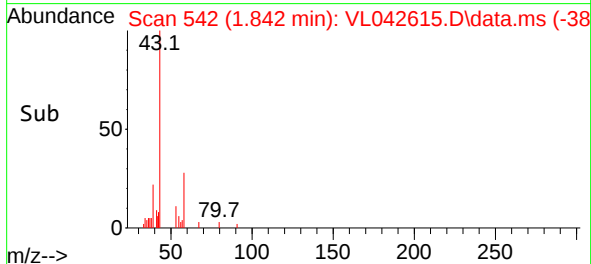
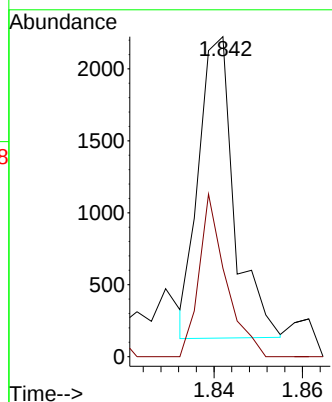
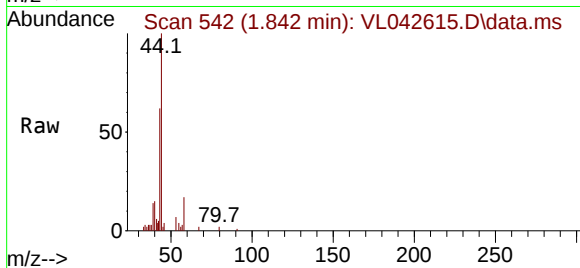




#15
Acetone
Concen: 0.097 ppbv
RT: 1.842 min Scan# 541
Delta R.T. 0.007 min
Lab File: VL042615.D
Acq: 05 Jun 2025 10:12

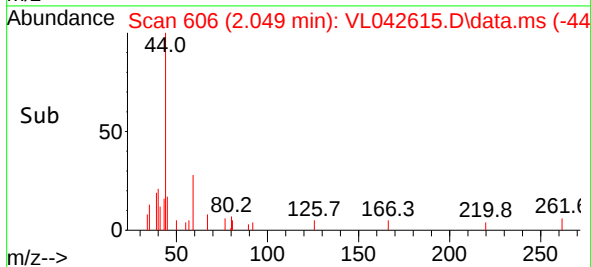
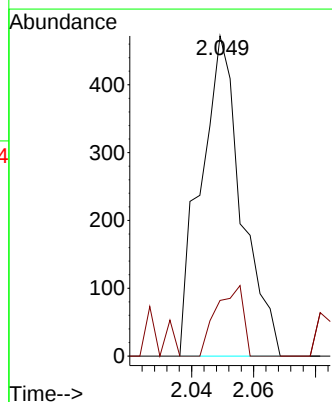
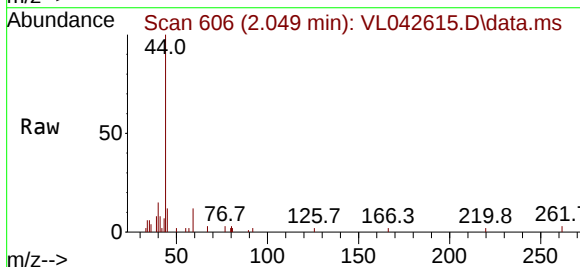
Instrument :
MSVOA_L
ClientSampleId :
VL0605ABL01

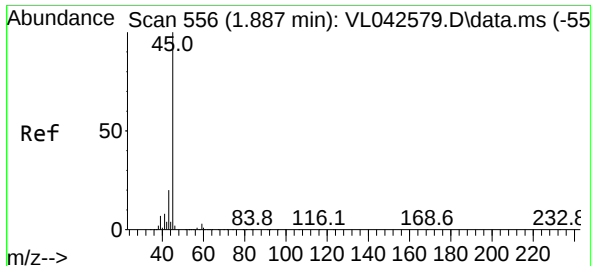
Tgt Ion: 43 Resp: 1170
Ion Ratio Lower Upper
43 100
58 40.7 21.0 31.4#



#17
tert-Butyl alcohol
Concen: 0.034 ppbv
RT: 2.049 min Scan# 606
Delta R.T. 0.007 min
Lab File: VL042615.D
Acq: 05 Jun 2025 10:12

Tgt Ion: 59 Resp: 431
Ion Ratio Lower Upper
59 100
57 16.9 8.6 12.8#

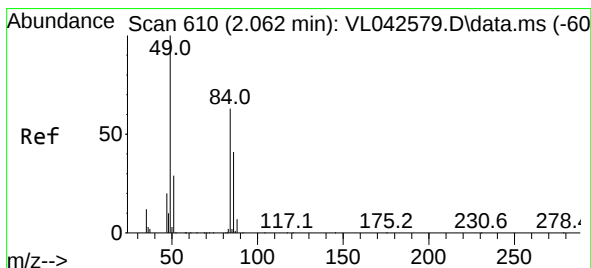
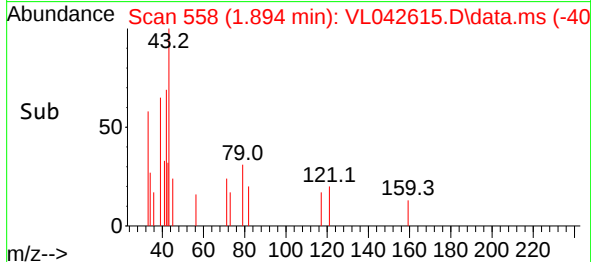
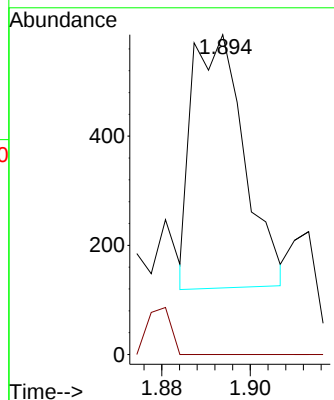
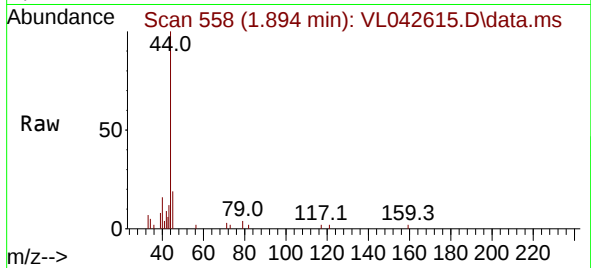




#19
Isopropyl Alcohol
Concen: 0.052 ppbv
RT: 1.894 min Scan# 51
Delta R.T. 0.007 min
Lab File: VL042615.D
Acq: 05 Jun 2025 10:12

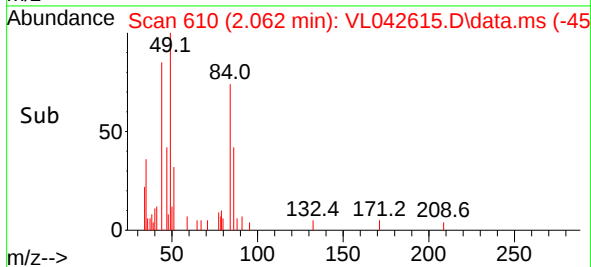
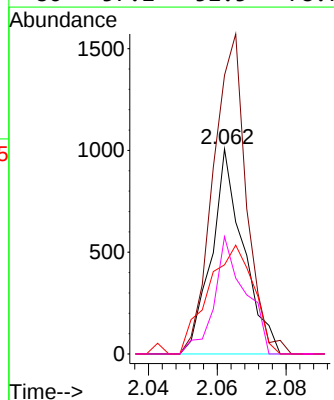
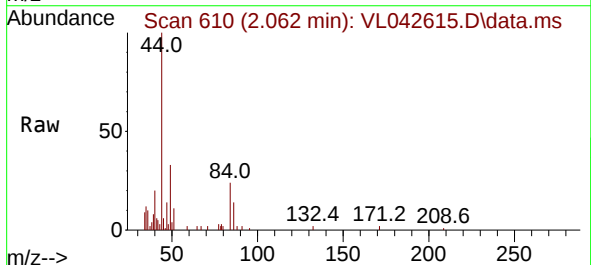
Instrument :
MSVOA_1
ClientSampleId :
VL0605ABL01

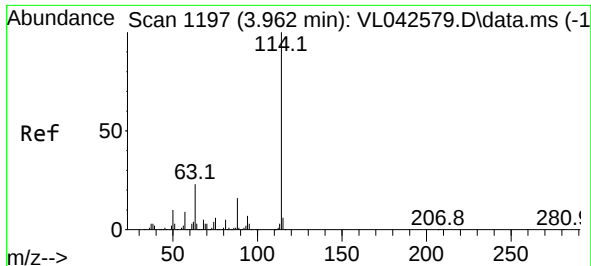
Tgt Ion: 45 Resp: 379
Ion Ratio Lower Upper
45 100
58 0.0 29.4 44.2#



#20
Methylene Chloride
Concen: 0.162 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.000 min
Lab File: VL042615.D
Acq: 05 Jun 2025 10:12

Tgt Ion: 84 Resp: 649
Ion Ratio Lower Upper
84 100
49 135.9 128.8 193.2
51 43.5 38.6 57.8
86 57.2 52.5 78.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.965 min Scan# 1197

Delta R.T. 0.003 min

Lab File: VL042615.D

Acq: 05 Jun 2025 10:12

Instrument :

MSVOA_L

ClientSampleId :

VL0605ABL01

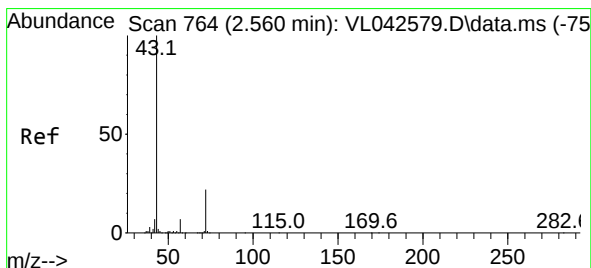
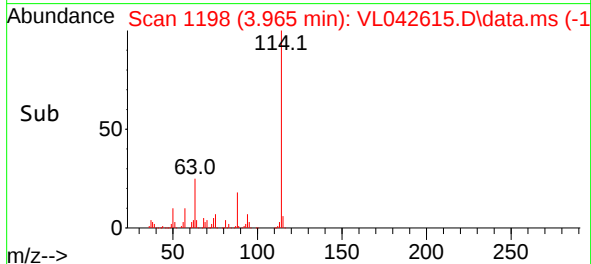
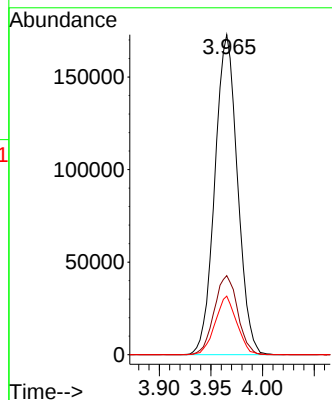
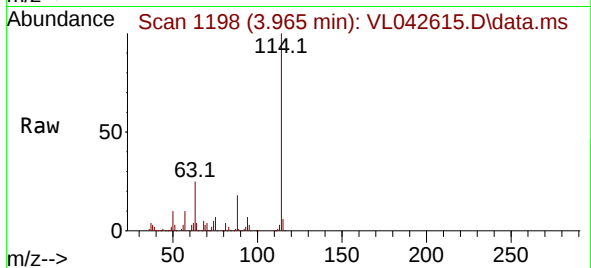
Tgt Ion:114 Resp: 264126

Ion Ratio Lower Upper

114 100

63 25.5 19.0 28.6

88 17.5 13.6 20.4



#34

2-Butanone

Concen: 0.030 ppbv

RT: 2.570 min Scan# 767

Delta R.T. 0.010 min

Lab File: VL042615.D

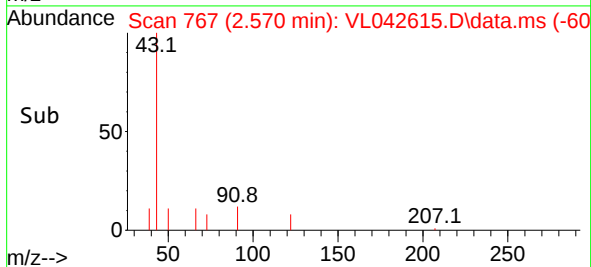
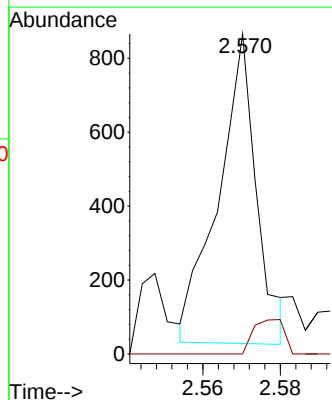
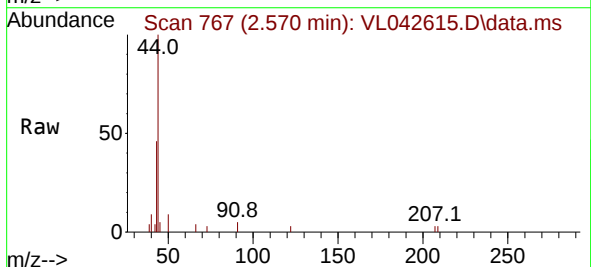
Acq: 05 Jun 2025 10:12

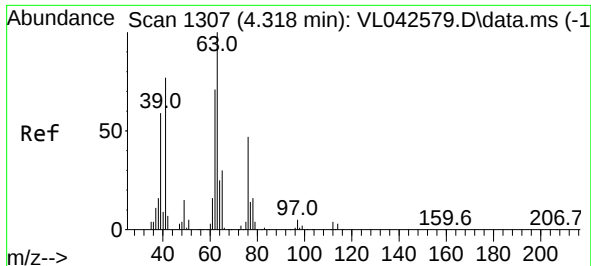
Tgt Ion: 43 Resp: 571

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#





#39

1,2-Dichloropropane

Concen: 7.004 ppbv

RT: 3.965 min Scan# 1198

Delta R.T. -0.353 min

Lab File: VL042615.D

Acq: 05 Jun 2025 10:12

Instrument :

MSVOA_L

ClientSampleId :

VL0605ABL01

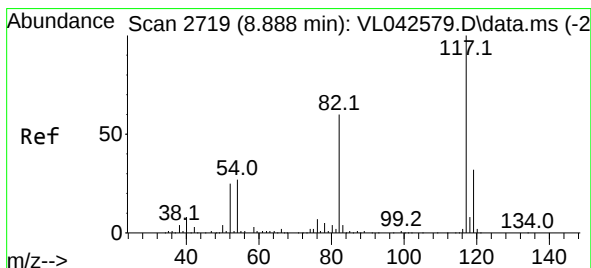
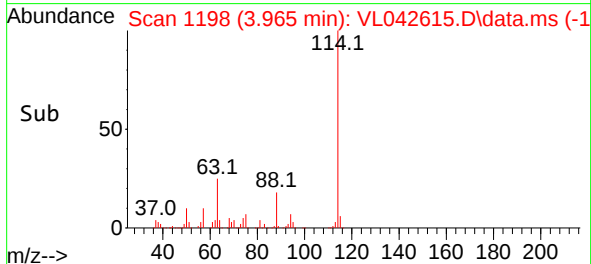
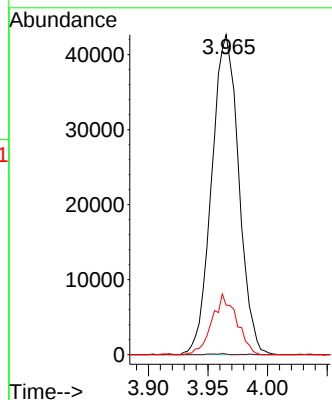
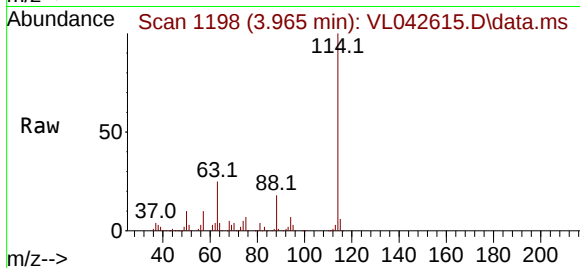
Tgt Ion: 63 Resp: 67371

Ion Ratio Lower Upper

63 100

41 0.2 61.8 92.6#

62 15.5 56.6 85.0#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.888 min Scan# 2719

Delta R.T. 0.000 min

Lab File: VL042615.D

Acq: 05 Jun 2025 10:12

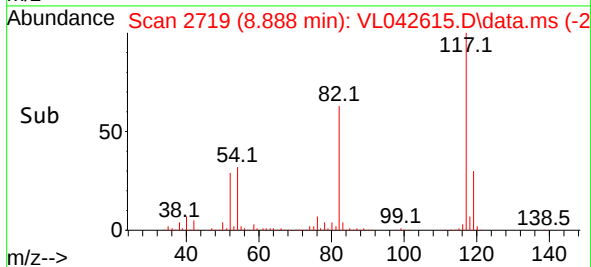
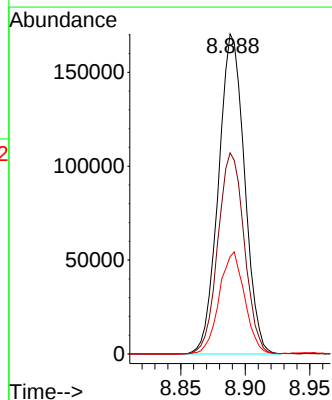
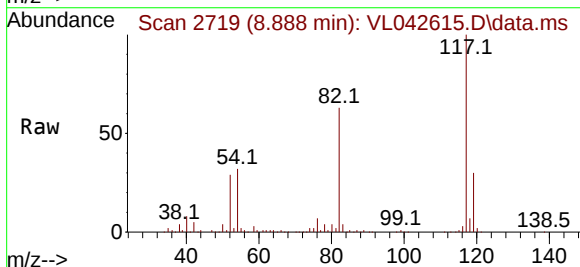
Tgt Ion: 117 Resp: 238873

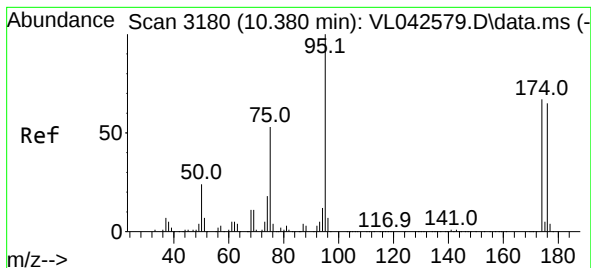
Ion Ratio Lower Upper

117 100

82 63.7 51.2 76.8

119 31.3 26.3 39.5





#68

1-Bromo-4-Fluorobenzene

Concen: 10.024 ppbv

RT: 10.383 min Scan# 3180

Delta R.T. 0.003 min

Lab File: VL042615.D

Acq: 05 Jun 2025 10:12

Instrument :

MSVOA_1

ClientSampleId :

VL0605ABL01

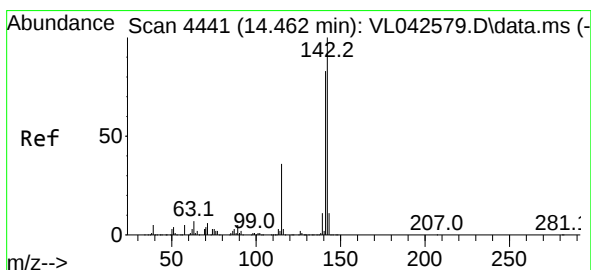
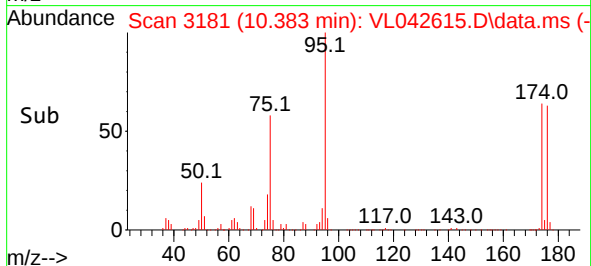
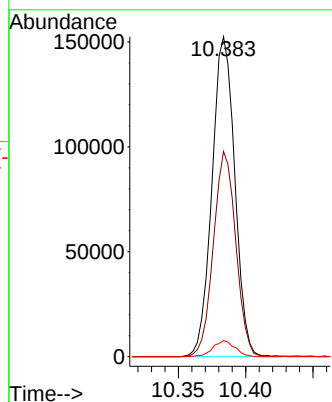
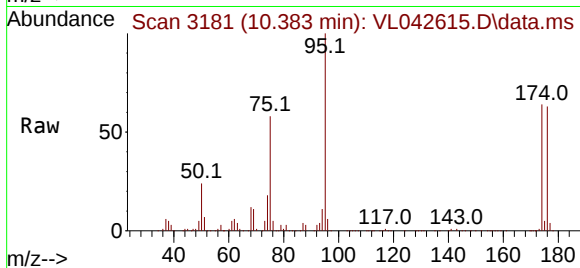
Tgt Ion: 95 Resp: 179494

Ion Ratio Lower Upper

95 100

174 63.1 53.1 79.7

175 4.9 4.2 6.2



#80

Naphthalene,2-methyl-

Concen: 0.032 ppbv

RT: 14.468 min Scan# 4443

Delta R.T. 0.007 min

Lab File: VL042615.D

Acq: 05 Jun 2025 10:12

Tgt Ion:142 Resp: 491

Ion Ratio Lower Upper

142 100

141 119.1 66.2 99.4#

115 47.3 28.3 42.5#

