

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022625\
 Data File : VL042051.D
 Acq On : 26 Feb 2025 09:20
 Operator : SY/MD
 Sample : VL0226ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0226ABL01

Quant Time: Feb 27 00:25:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Feb 26 01:08:36 2025
 Response via : Initial Calibration

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

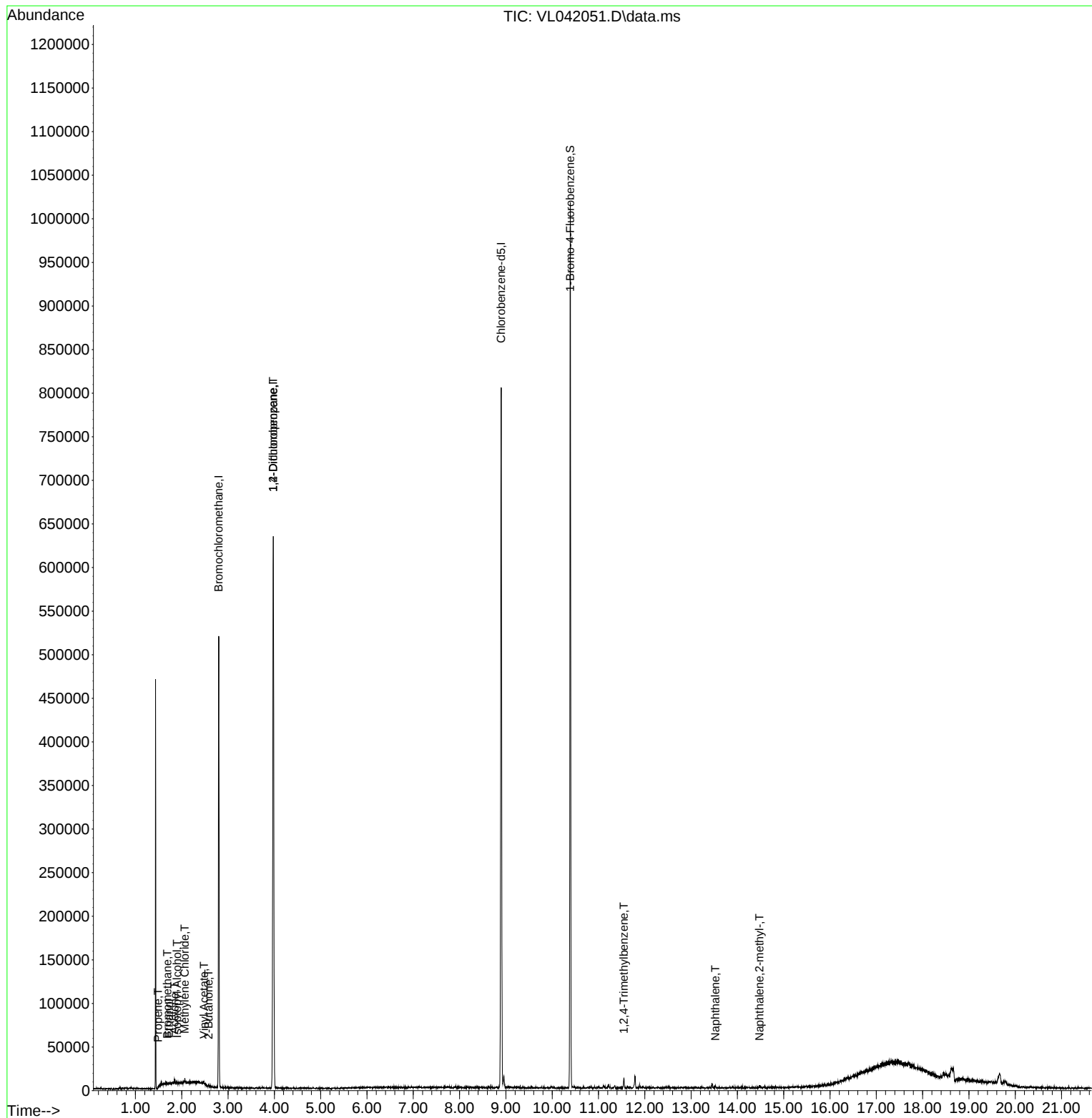
Internal Standards						
1) Bromochloromethane	2.797	49	157395	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	386755	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	331916	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	257988	10.103	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.000%
Target Compounds						
					Qvalue	
6) Bromomethane	1.687	94	116	0.043	ppbv #	2
9) Propene	1.486	41	355	0.038	ppbv #	69
13) Ethanol	1.726	45	162	0.274	ppbv #	33
15) Acetone	1.842	43	2441	0.176	ppbv #	86
19) Isopropyl Alcohol	1.897	45	753	0.094	ppbv #	32
20) Methylene Chloride	2.066	84	660	0.126	ppbv #	67
23) Vinyl Acetate	2.480	43	352	0.036	ppbv #	85
34) 2-Butanone	2.577	43	1313	0.044	ppbv #	90
39) 1,2-Dichloropropane	3.975	63	101244	6.588	ppbv #	22
74) 1,2,4-Trimethylbenzene	11.549	105	3524	0.060	ppbv #	64
79) Naphthalene	13.527	128	1432	0.036	ppbv #	87
80) Naphthalene,2-methyl-	14.478	142	778	0.071	ppbv	94

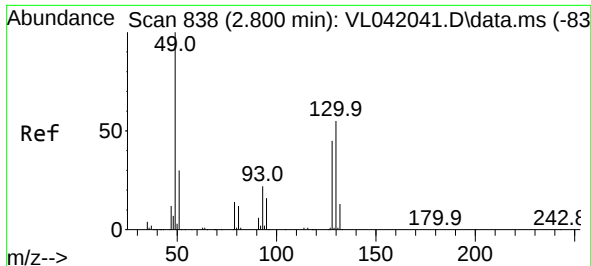
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Time: Feb 27 00:25:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

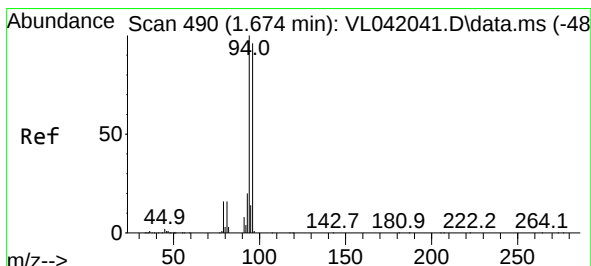
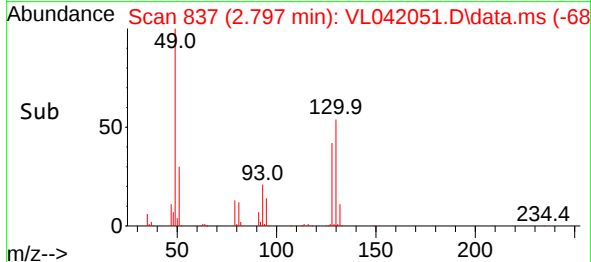
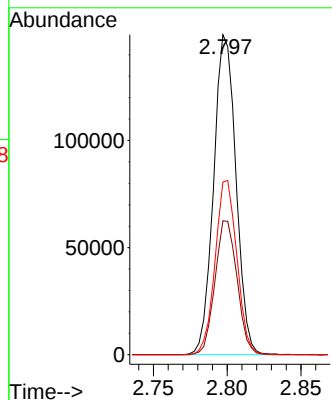
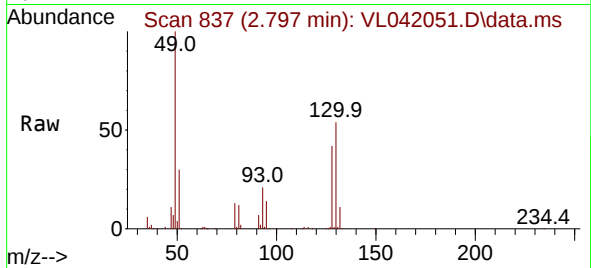




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL042051.D
Acq: 26 Feb 2025 09:20

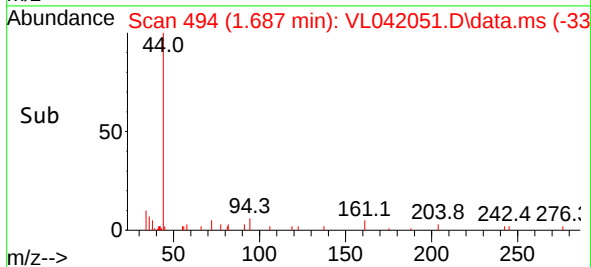
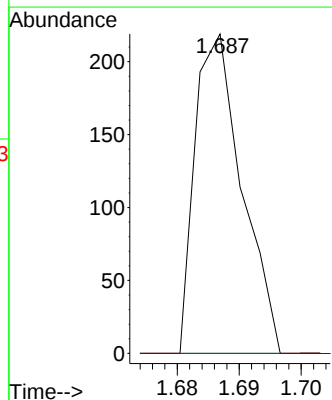
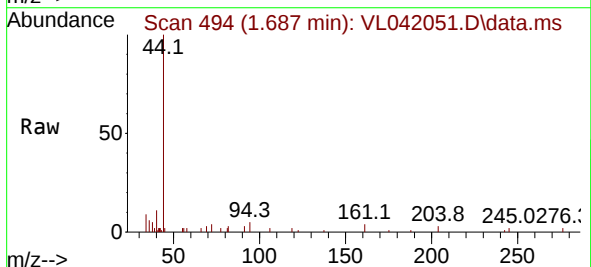
Instrument :
MSVOA_L
ClientSampleId :
VL0226ABL01

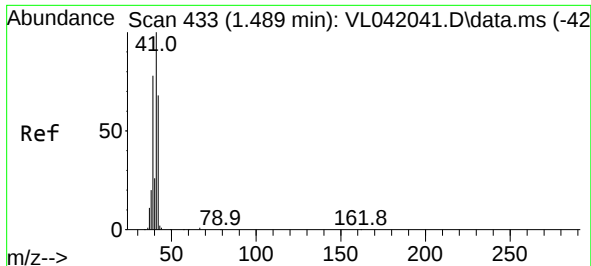
Tgt Ion: 49 Resp: 157395
Ion Ratio Lower Upper
49 100
128 41.4 21.6 64.8
130 53.1 27.8 83.4



#6
Bromomethane
Concen: 0.043 ppbv
RT: 1.687 min Scan# 494
Delta R.T. 0.013 min
Lab File: VL042051.D
Acq: 26 Feb 2025 09:20

Tgt Ion: 94 Resp: 116
Ion Ratio Lower Upper
94 100
96 0.0 76.5 114.7#





#9

Propene

Concen: 0.038 ppbv

RT: 1.486 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL042051.D

Acq: 26 Feb 2025 09:20

Instrument :

MSVOA_L

ClientSampleId :

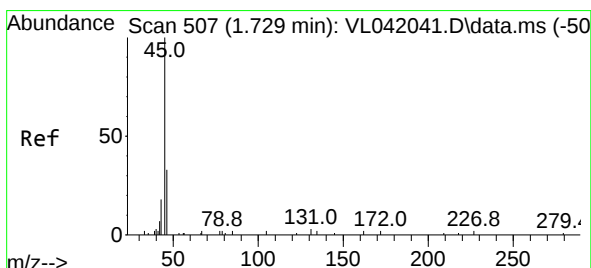
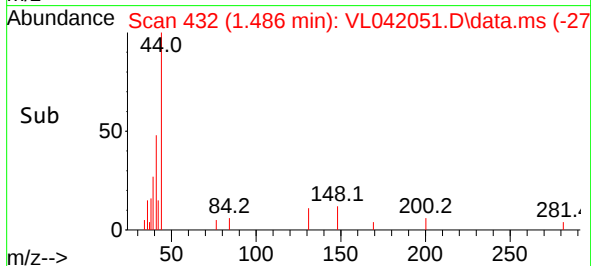
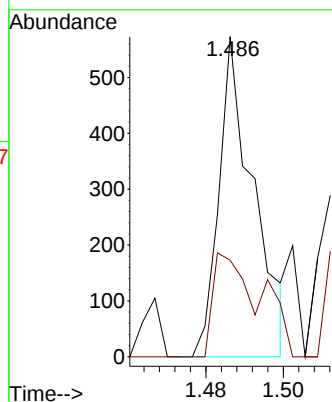
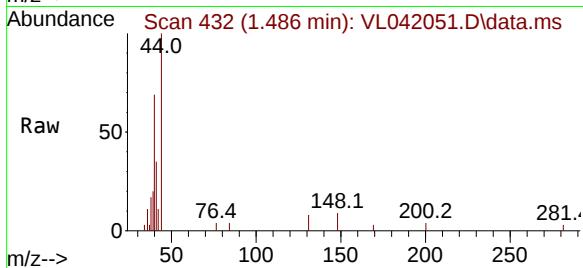
VL0226ABL01

Tgt Ion: 41 Resp: 355

Ion Ratio Lower Upper

41 100

42 44.2 55.8 83.6#



#13

Ethanol

Concen: 0.274 ppbv

RT: 1.726 min Scan# 506

Delta R.T. -0.003 min

Lab File: VL042051.D

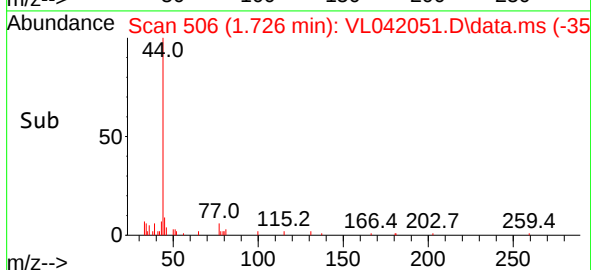
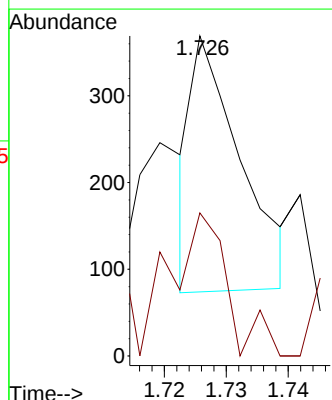
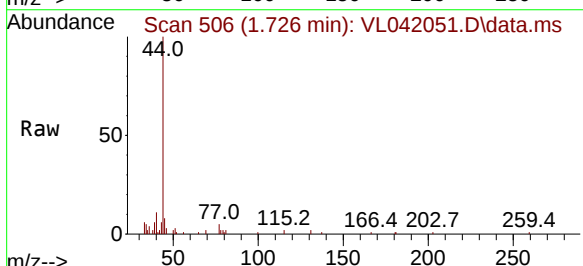
Acq: 26 Feb 2025 09:20

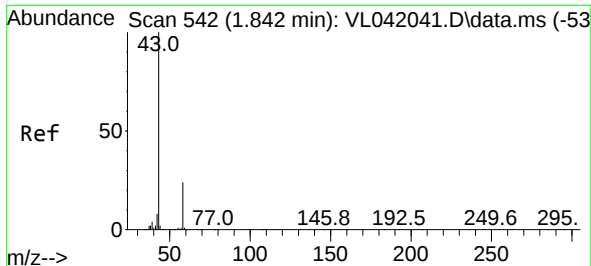
Tgt Ion: 45 Resp: 162

Ion Ratio Lower Upper

45 100

46 0.0 17.1 68.3#





#15

Acetone

Concen: 0.176 ppbv

RT: 1.842 min Scan# 54

Delta R.T. 0.000 min

Lab File: VL042051.D

Acq: 26 Feb 2025 09:20

Instrument :

MSVOA_L

ClientSampleId :

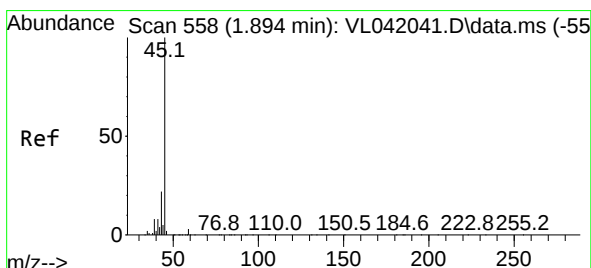
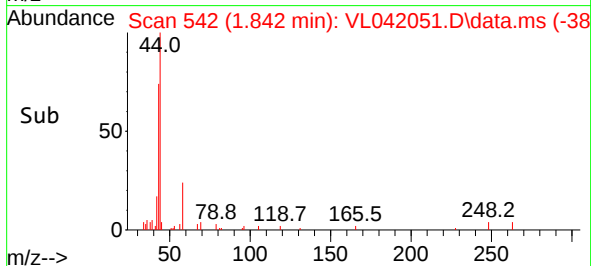
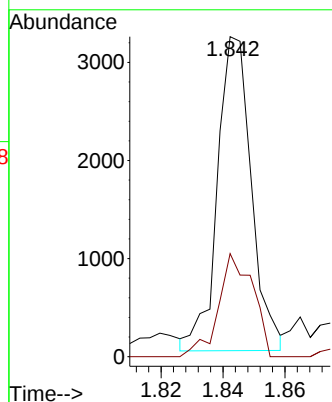
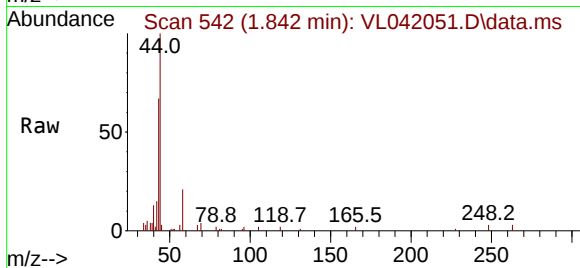
VL0226ABL01

Tgt Ion: 43 Resp: 2441

Ion Ratio Lower Upper

43 100

58 33.2 20.7 31.1#



#19

Isopropyl Alcohol

Concen: 0.094 ppbv

RT: 1.897 min Scan# 559

Delta R.T. 0.004 min

Lab File: VL042051.D

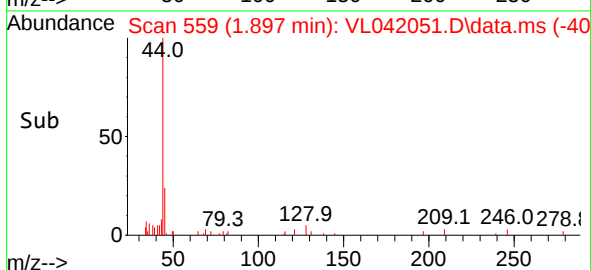
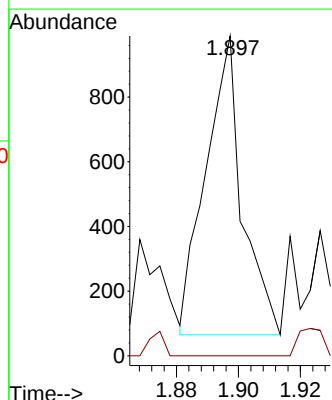
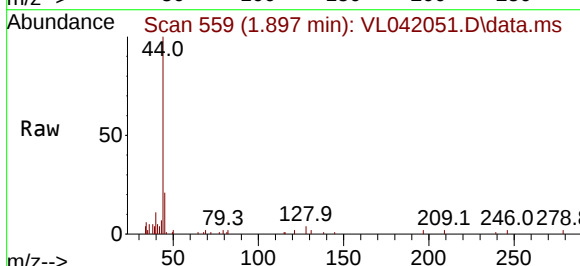
Acq: 26 Feb 2025 09:20

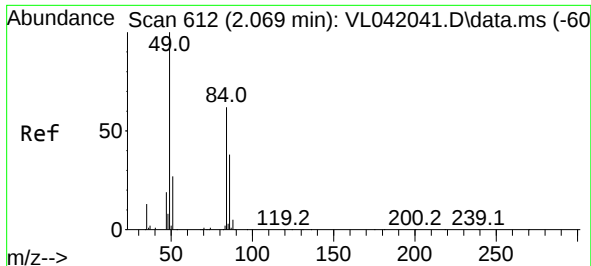
Tgt Ion: 45 Resp: 753

Ion Ratio Lower Upper

45 100

58 0.0 35.3 52.9#





#20

Methylene Chloride

Concen: 0.126 ppbv

RT: 2.066 min Scan# 611

Delta R.T. -0.003 min

Lab File: VL042051.D

Acq: 26 Feb 2025 09:20

Instrument :

MSVOA_L

ClientSampleId :

VL0226ABL01

Tgt Ion: 84 Resp: 660

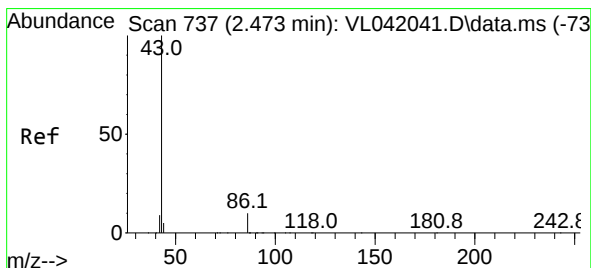
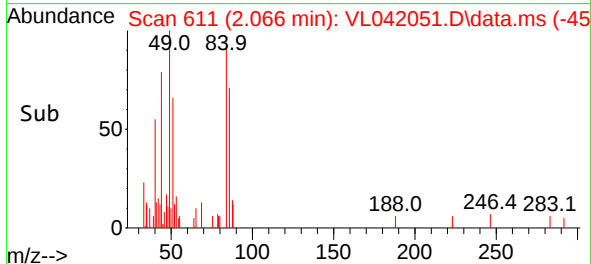
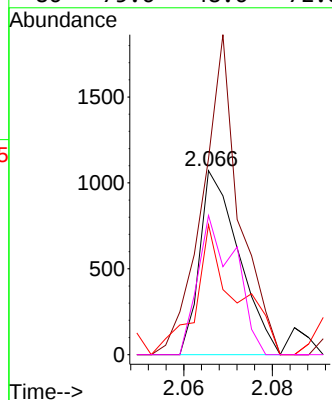
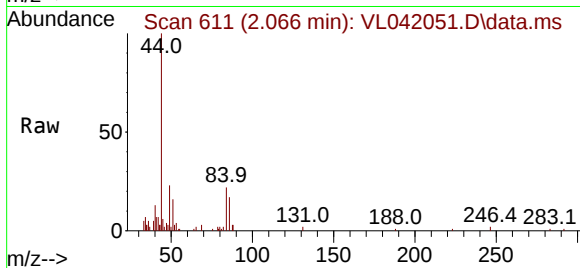
Ion Ratio Lower Upper

84 100

49 106.6 130.0 195.0#

51 57.7 37.4 56.0#

86 75.6 48.6 72.8#



#23

Vinyl Acetate

Concen: 0.036 ppbv

RT: 2.480 min Scan# 739

Delta R.T. 0.007 min

Lab File: VL042051.D

Acq: 26 Feb 2025 09:20

Tgt Ion: 43 Resp: 352

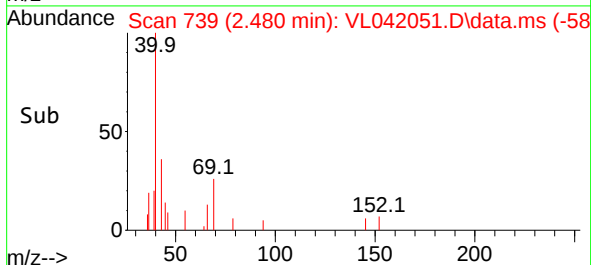
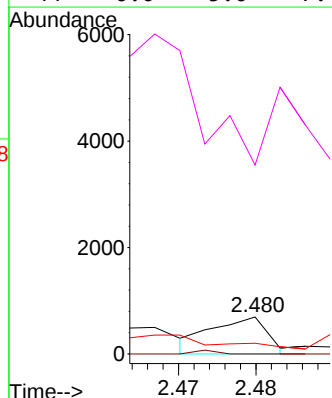
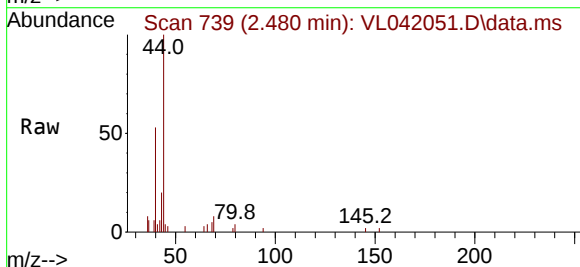
Ion Ratio Lower Upper

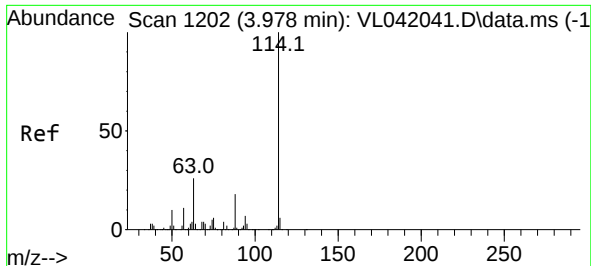
43 100

86 0.0 7.0 10.4#

42 11.4 7.6 11.4

44 0.0 5.0 7.4#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.975 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL042051.D

Acq: 26 Feb 2025 09:20

Instrument :

MSVOA_L

ClientSampleId :

VL0226ABL01

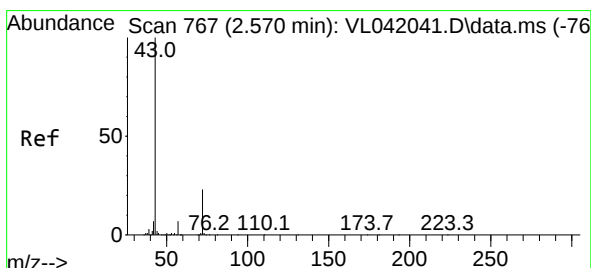
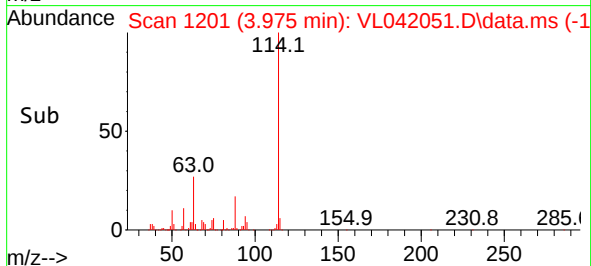
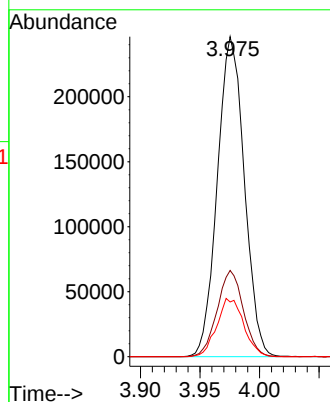
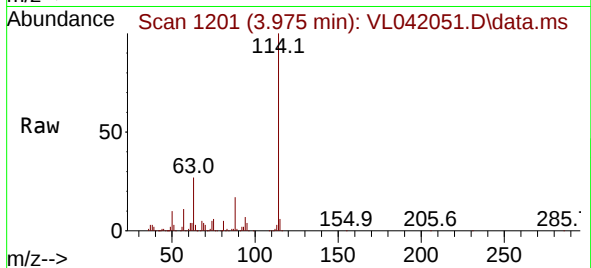
Tgt Ion:114 Resp: 386755

Ion Ratio Lower Upper

114 100

63 26.2 20.1 30.1

88 18.2 14.3 21.5



#34

2-Butanone

Concen: 0.044 ppbv

RT: 2.577 min Scan# 769

Delta R.T. 0.007 min

Lab File: VL042051.D

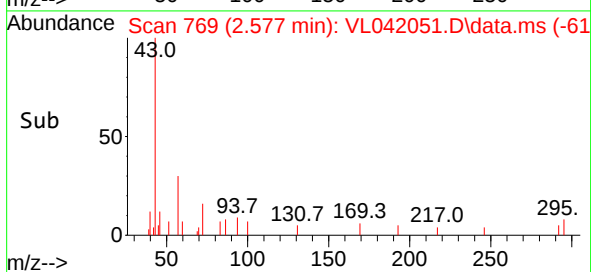
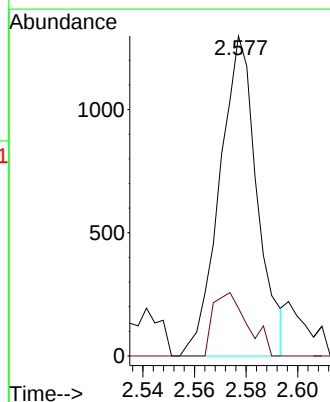
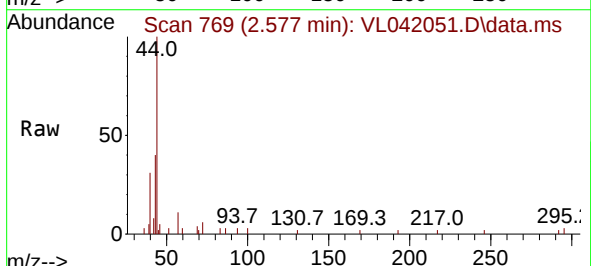
Acq: 26 Feb 2025 09:20

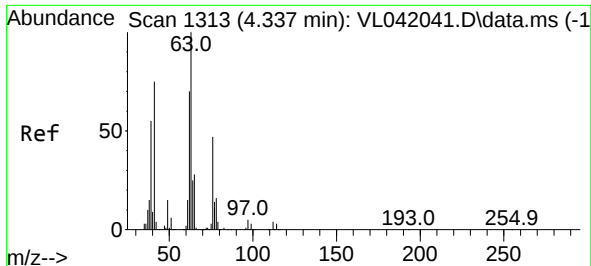
Tgt Ion: 43 Resp: 1313

Ion Ratio Lower Upper

43 100

72 18.1 18.5 27.7#





#39

1,2-Dichloropropane

Concen: 6.588 ppbv

RT: 3.975 min Scan# 11

Delta R.T. -0.362 min

Lab File: VL042051.D

Acq: 26 Feb 2025 09:20

Instrument :

MSVOA_L

ClientSampleId :

VL0226ABL01

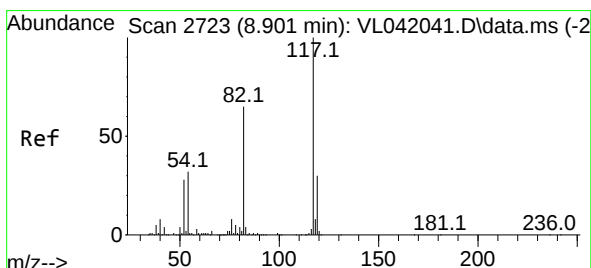
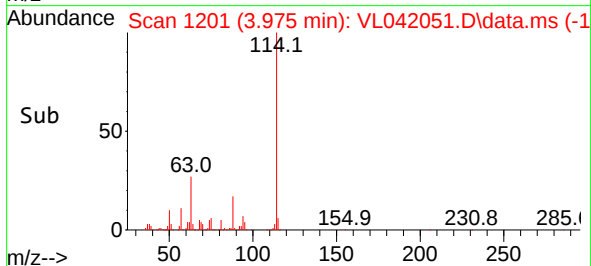
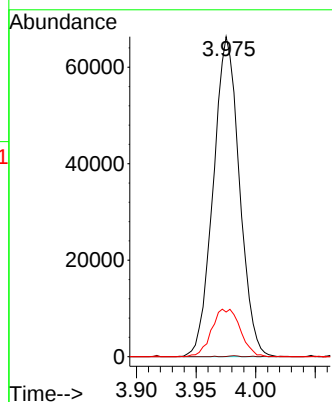
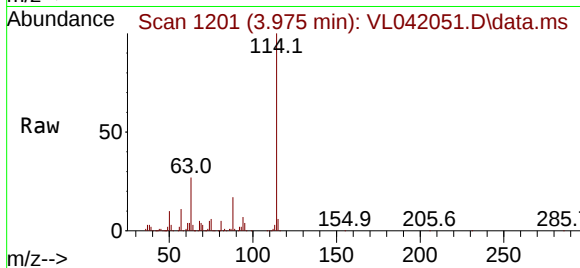
Tgt Ion: 63 Resp: 101244

Ion Ratio Lower Upper

63 100

41 0.0 60.1 90.1#

62 14.0 55.8 83.8#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.898 min Scan# 2722

Delta R.T. -0.003 min

Lab File: VL042051.D

Acq: 26 Feb 2025 09:20

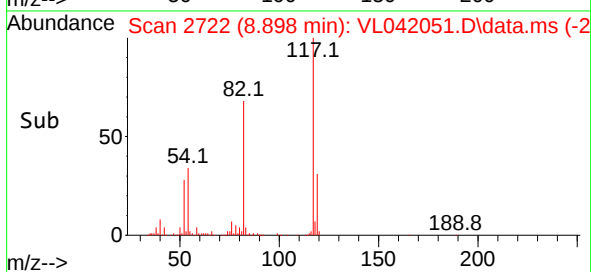
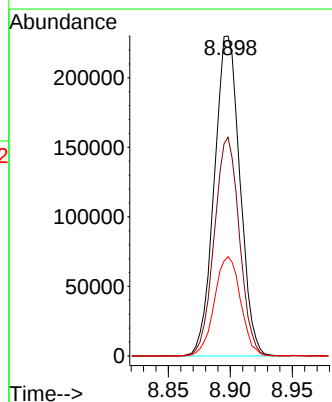
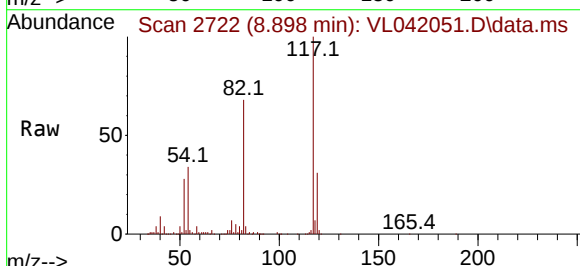
Tgt Ion: 117 Resp: 331916

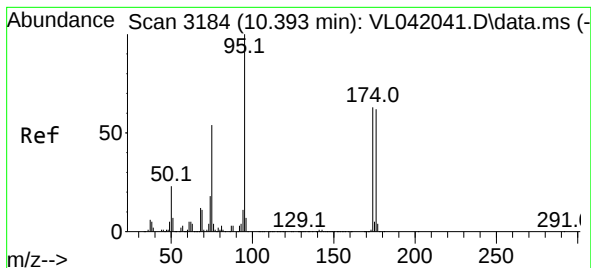
Ion Ratio Lower Upper

117 100

82 66.9 55.0 82.6

119 31.7 25.9 38.9

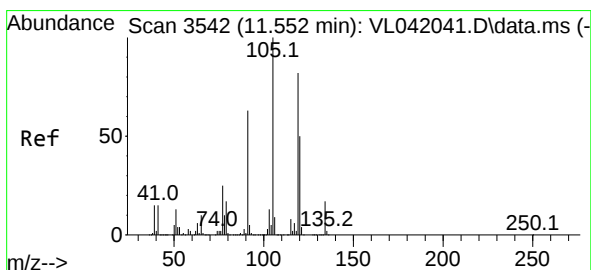
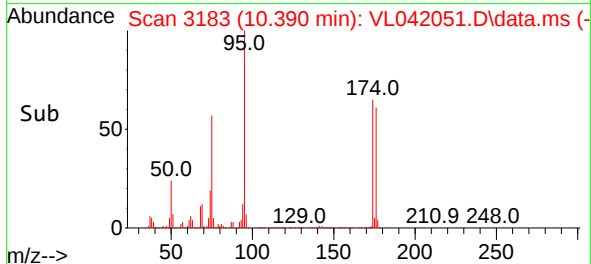
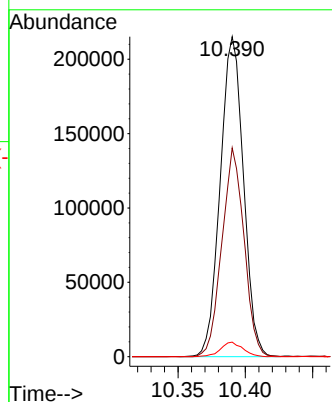
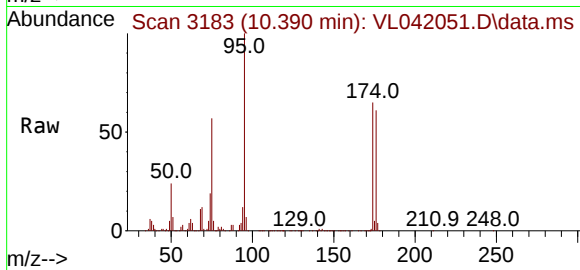




#68
1-Bromo-4-Fluorobenzene
Concen: 10.103 ppbv
RT: 10.390 min Scan# 3183
Delta R.T. -0.003 min
Lab File: VL042051.D
Acq: 26 Feb 2025 09:20

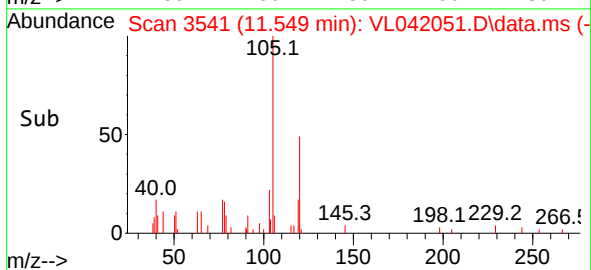
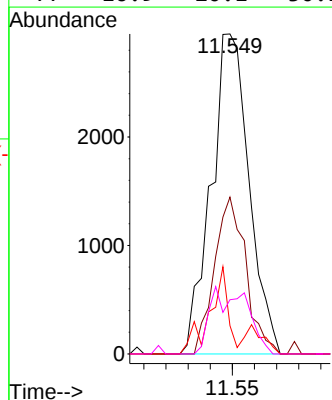
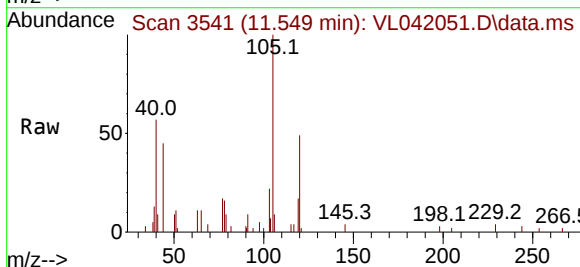
Instrument :
MSVOA_L
ClientSampleId :
VL0226ABL01

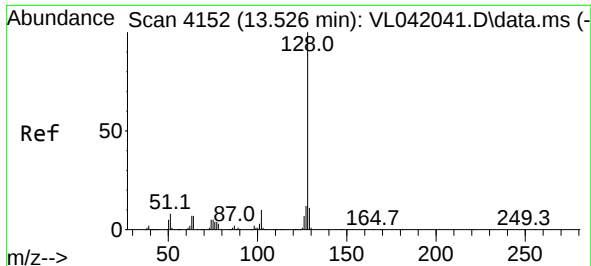
Tgt Ion: 95 Resp: 257988
Ion Ratio Lower Upper
95 100
174 62.4 51.8 77.6
175 4.4 3.9 5.9



#74
1,2,4-Trimethylbenzene
Concen: 0.060 ppbv
RT: 11.549 min Scan# 3541
Delta R.T. -0.003 min
Lab File: VL042051.D
Acq: 26 Feb 2025 09:20

Tgt Ion: 105 Resp: 3524
Ion Ratio Lower Upper
105 100
120 50.8 40.2 60.2
91 8.8 51.4 77.2#
77 16.9 20.1 30.1#

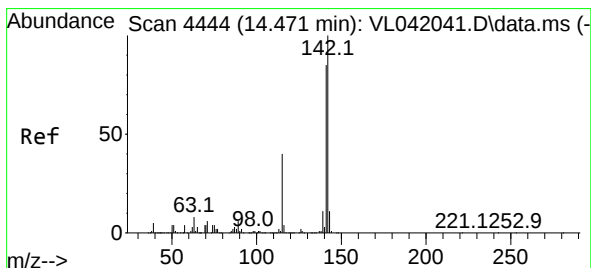
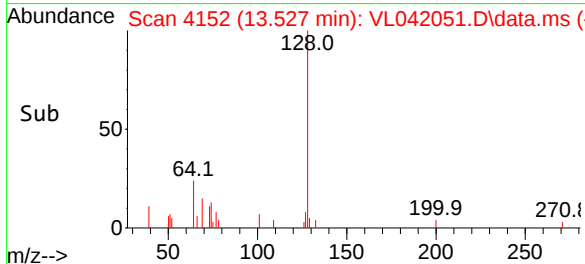
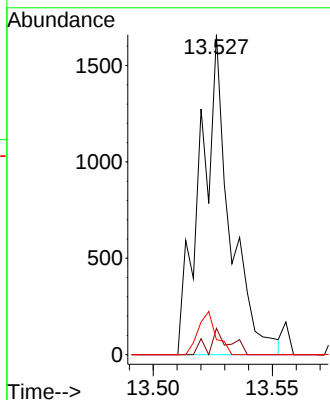
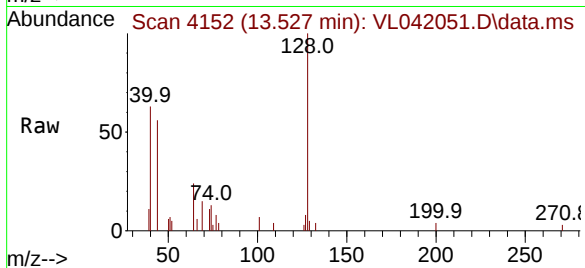




#79
Naphthalene
Concen: 0.036 ppbv
RT: 13.527 min Scan# 4152
Delta R.T. 0.000 min
Lab File: VL042051.D
Acq: 26 Feb 2025 09:20

Instrument :
MSVOA_L
ClientSampleId :
VL0226ABL01

Tgt Ion:128 Resp: 1432
Ion Ratio Lower Upper
128 100
127 8.3 9.8 14.6#
129 4.7 8.6 12.8#



#80
Naphthalene,2-methyl-
Concen: 0.071 ppbv
RT: 14.478 min Scan# 4446
Delta R.T. 0.007 min
Lab File: VL042051.D
Acq: 26 Feb 2025 09:20

Tgt Ion:142 Resp: 778
Ion Ratio Lower Upper
142 100
141 86.9 65.8 98.6
115 42.3 29.5 44.3

