

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031725\
 Data File : VL042151.D
 Acq On : 17 Mar 2025 10:50
 Operator : SY/MD
 Sample : VL0317ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0317ABL01

Quant Time: Mar 18 01:22:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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)

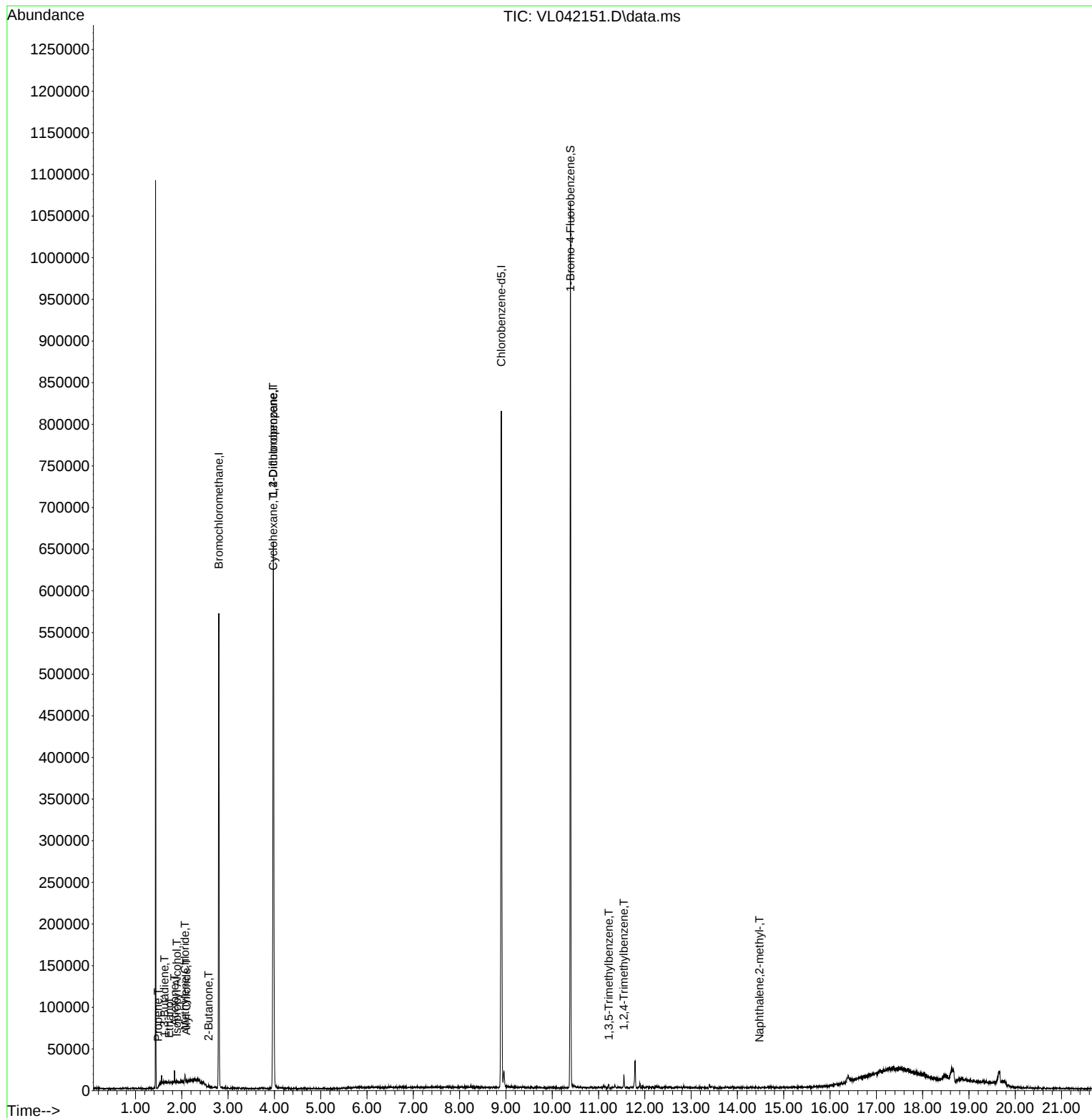
Internal Standards						
1) Bromochloromethane	2.800	49	165240	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	385222	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.901	117	316907	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	239930	9.841	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.400%
Target Compounds						
					Qvalue	
9) Propene	1.489	41	407	0.042	ppbv #	53
13) Ethanol	1.729	45	481	0.774	ppbv	87
15) Acetone	1.842	43	5764	0.395	ppbv	90
16) 1,3-Butadiene	1.625	39	204	0.030	ppbv #	12
19) Isopropyl Alcohol	1.894	45	922	0.110	ppbv #	32
20) Methylene Chloride	2.068	84	1186	0.215	ppbv	86
21) Allyl Chloride	2.101	41	399	0.038	ppbv #	19
30) Cyclohexane	3.972	84	1513	0.079	ppbv #	1
34) 2-Butanone	2.577	43	1812	0.060	ppbv	94
39) 1,2-Dichloropropane	3.975	63	97671	6.381	ppbv #	23
73) 1,3,5-Trimethylbenzene	11.218	105	1504	0.030	ppbv #	73
74) 1,2,4-Trimethylbenzene	11.549	105	4336	0.078	ppbv #	54
80) Naphthalene,2-methyl-	14.474	142	343	0.033	ppbv #	63

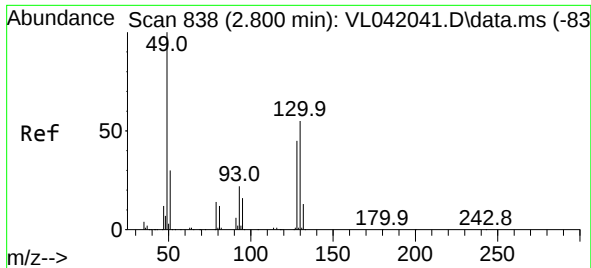
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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VL0317ABL01

Quant Time: Mar 18 01:22:30 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

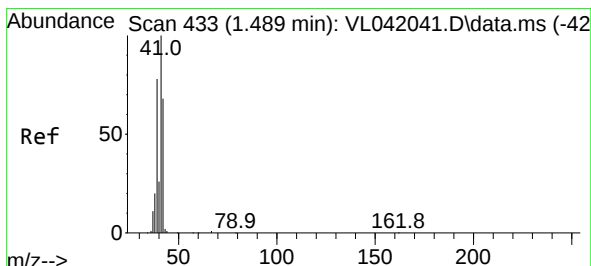
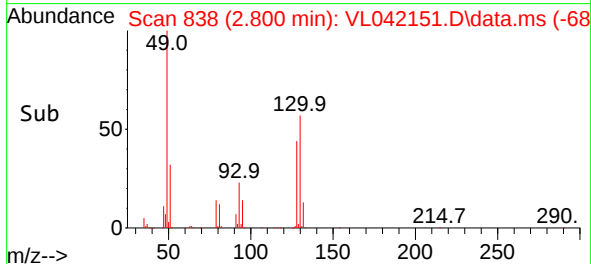
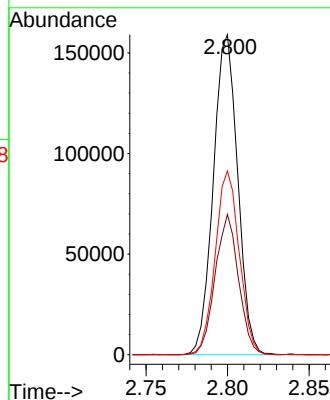
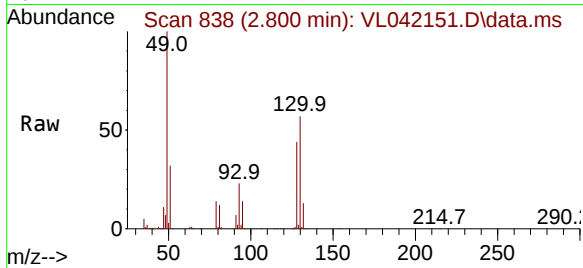




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL042151.D
Acq: 17 Mar 2025 10:50

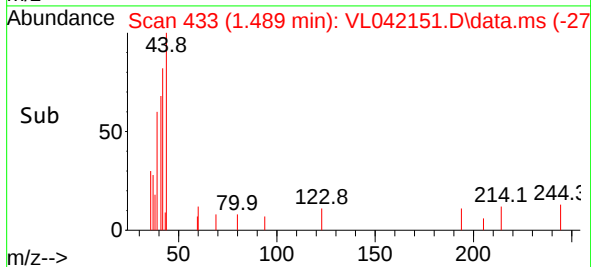
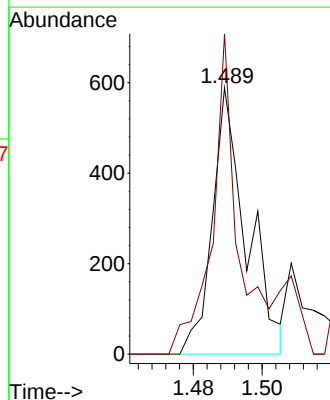
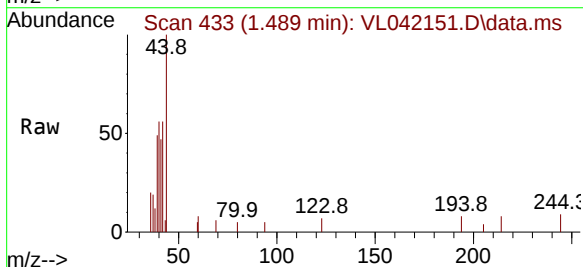
Instrument :
MSVOA_L
ClientSampleId :
VL0317ABL01

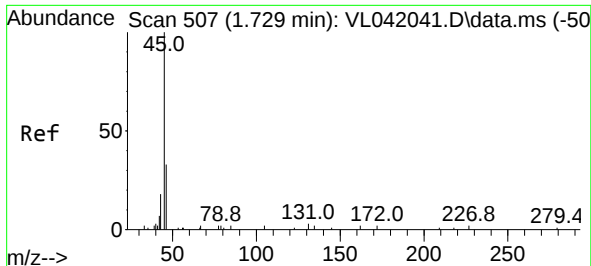
Tgt Ion: 49 Resp: 165240
Ion Ratio Lower Upper
49 100
128 42.1 21.6 64.8
130 56.7 27.8 83.4



#9
Propene
Concen: 0.042 ppbv
RT: 1.489 min Scan# 433
Delta R.T. -0.000 min
Lab File: VL042151.D
Acq: 17 Mar 2025 10:50

Tgt Ion: 41 Resp: 407
Ion Ratio Lower Upper
41 100
42 108.1 55.8 83.6#

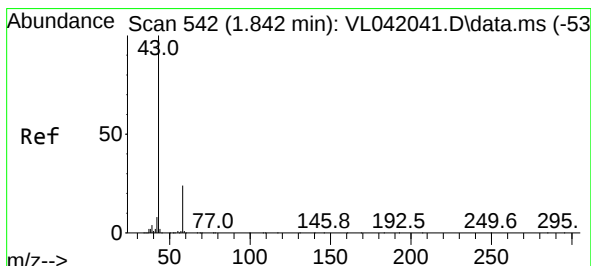
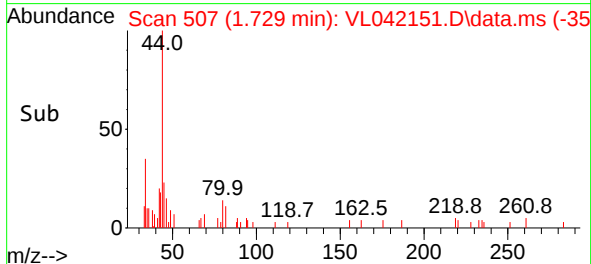
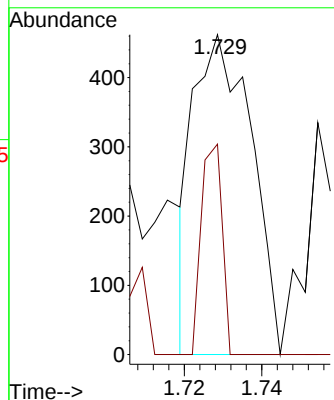
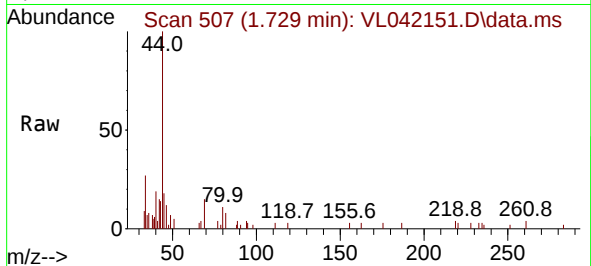




#13
Ethanol
Concen: 0.774 ppbv
RT: 1.729 min Scan# 507
Delta R.T. -0.000 min
Lab File: VL042151.D
Acq: 17 Mar 2025 10:50

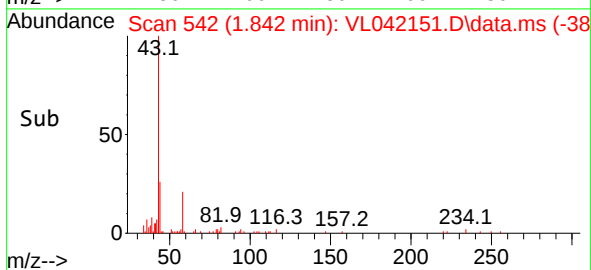
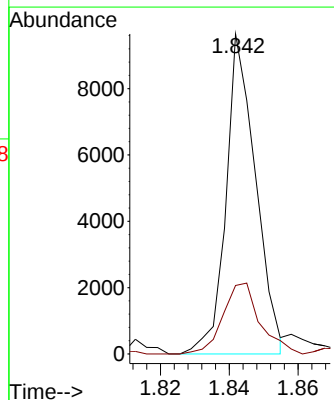
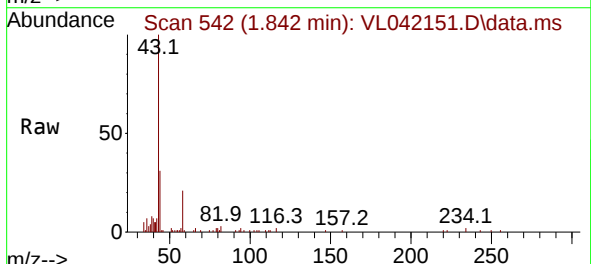
Instrument :
MSVOA_L
ClientSampleId :
VL0317ABL01

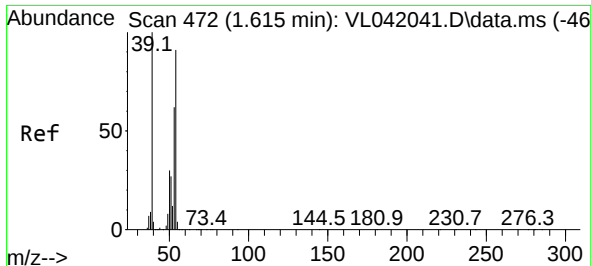
Tgt Ion: 45 Resp: 481
Ion Ratio Lower Upper
45 100
46 34.3 17.1 68.3



#15
Acetone
Concen: 0.395 ppbv
RT: 1.842 min Scan# 542
Delta R.T. -0.000 min
Lab File: VL042151.D
Acq: 17 Mar 2025 10:50

Tgt Ion: 43 Resp: 5764
Ion Ratio Lower Upper
43 100
58 30.8 20.7 31.1

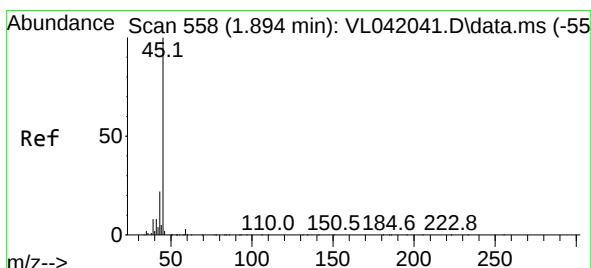
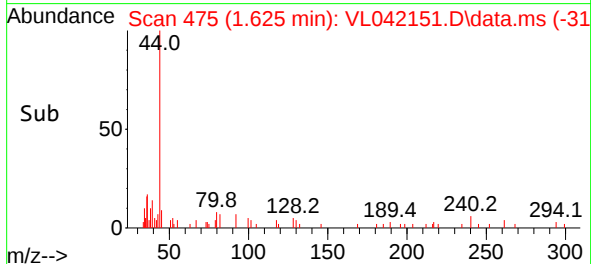
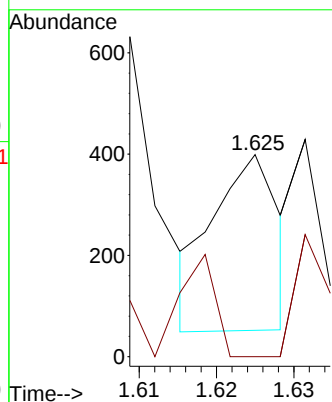
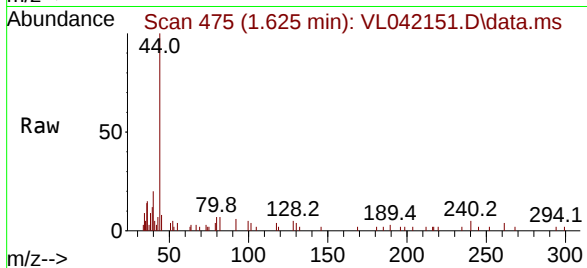




#16
1,3-Butadiene
Concen: 0.030 ppbv
RT: 1.625 min Scan# 41
Delta R.T. 0.010 min
Lab File: VL042151.D
Acq: 17 Mar 2025 10:50

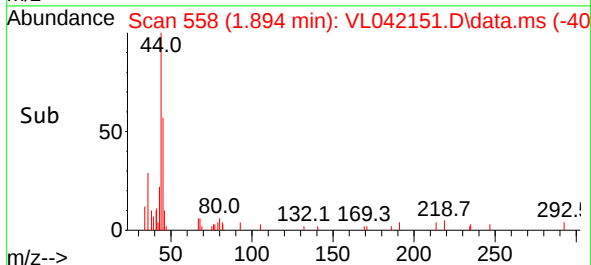
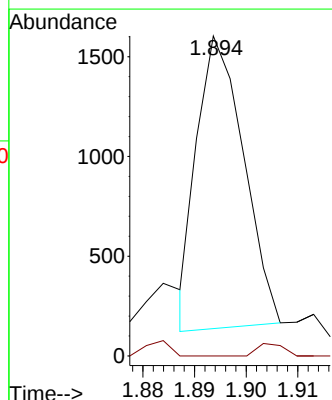
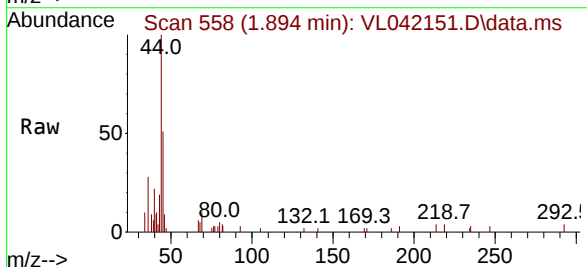
Instrument :
MSVOA_L
ClientSampleId :
VL0317ABL01

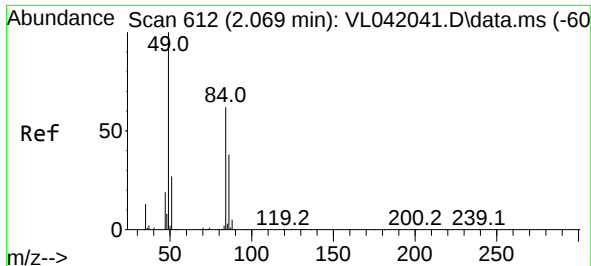
Tgt Ion: 39 Resp: 204
Ion Ratio Lower Upper
39 100
54 0.0 59.6 89.4#



#19
Isopropyl Alcohol
Concen: 0.110 ppbv
RT: 1.894 min Scan# 558
Delta R.T. -0.000 min
Lab File: VL042151.D
Acq: 17 Mar 2025 10:50

Tgt Ion: 45 Resp: 922
Ion Ratio Lower Upper
45 100
58 0.0 35.3 52.9#





#20

Methylene Chloride

Concen: 0.215 ppbv

RT: 2.068 min Scan# 612

Delta R.T. -0.000 min

Lab File: VL042151.D

Acq: 17 Mar 2025 10:50

Instrument :

MSVOA_L

ClientSampleId :

VL0317ABL01

Tgt Ion: 84 Resp: 1186

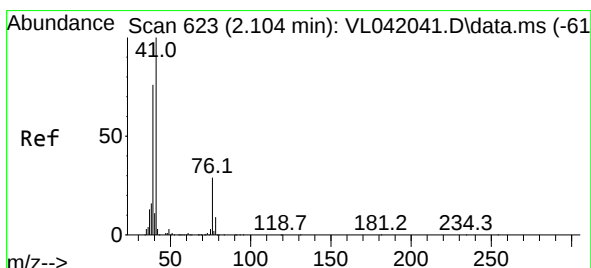
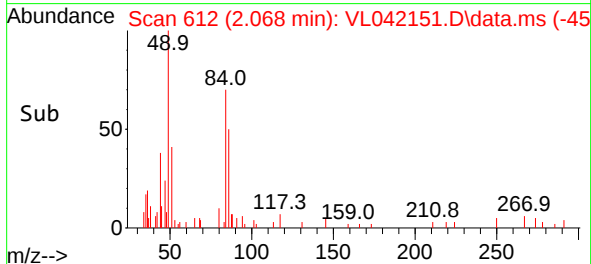
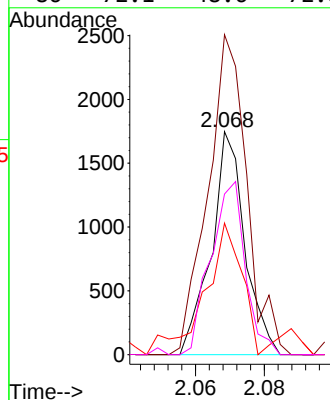
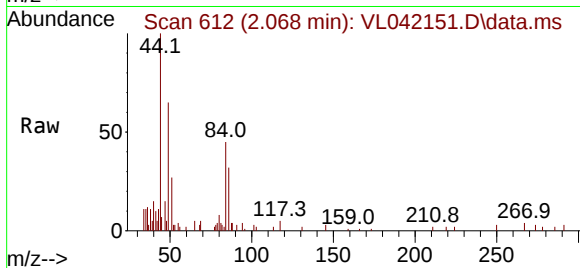
Ion Ratio Lower Upper

84 100

49 140.4 130.0 195.0

51 51.1 37.4 56.0

86 72.1 48.6 72.8



#21

Allyl Chloride

Concen: 0.038 ppbv

RT: 2.101 min Scan# 622

Delta R.T. -0.003 min

Lab File: VL042151.D

Acq: 17 Mar 2025 10:50

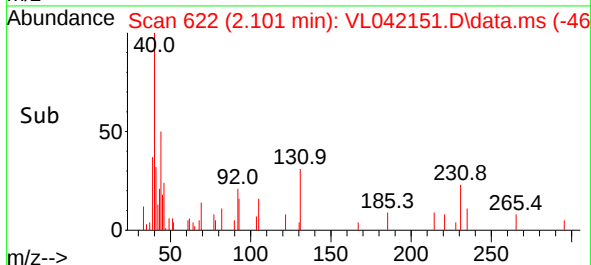
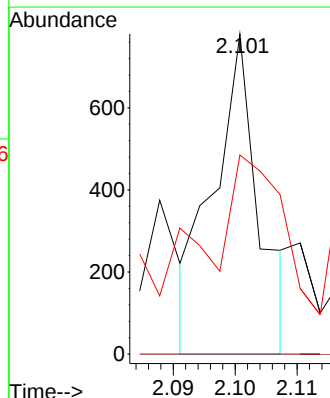
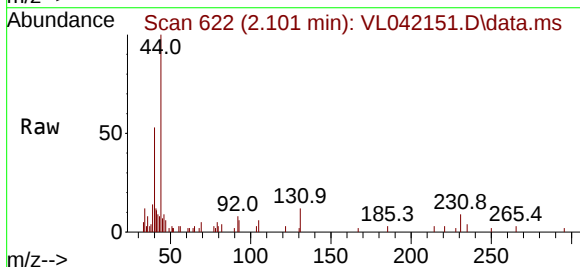
Tgt Ion: 41 Resp: 399

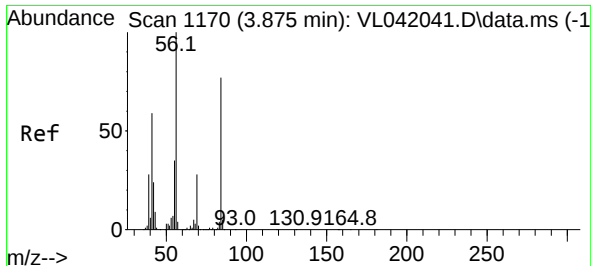
Ion Ratio Lower Upper

41 100

76 0.0 23.8 35.6#

39 0.0 63.8 95.6#

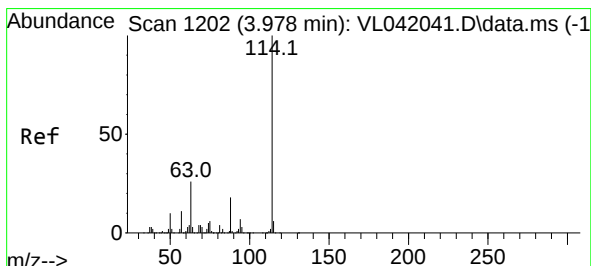
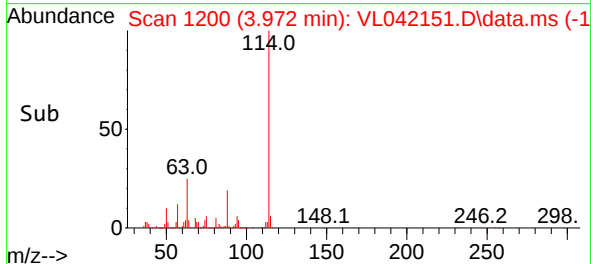
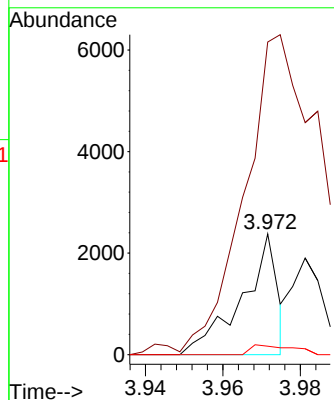
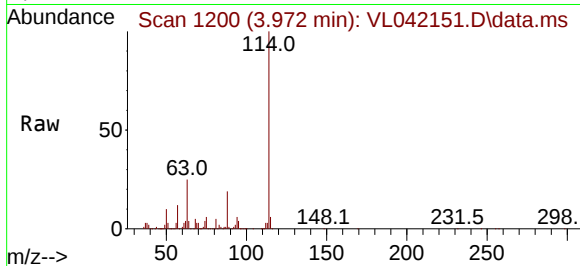




#30
Cyclohexane
Concen: 0.079 ppbv
RT: 3.972 min Scan# 1170
Delta R.T. 0.097 min
Lab File: VL042151.D
Acq: 17 Mar 2025 10:50

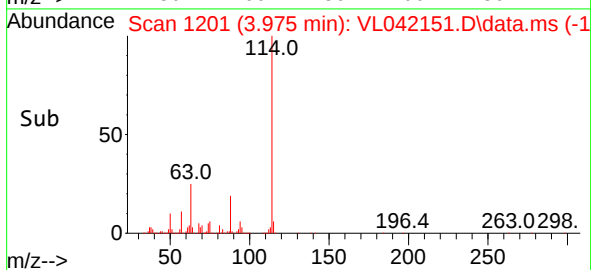
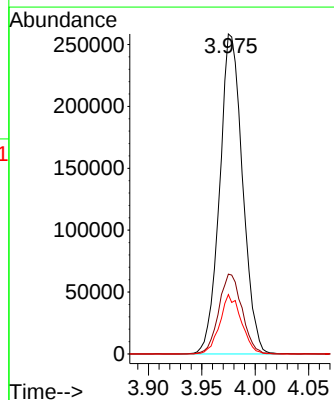
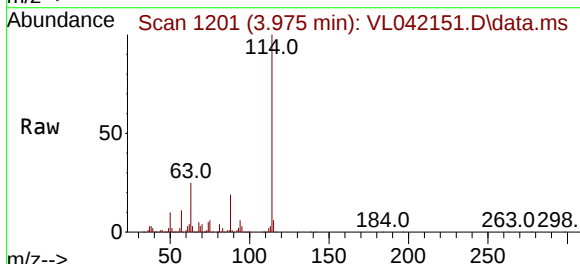
Instrument :
MSVOA_L
ClientSampleId :
VL0317ABL01

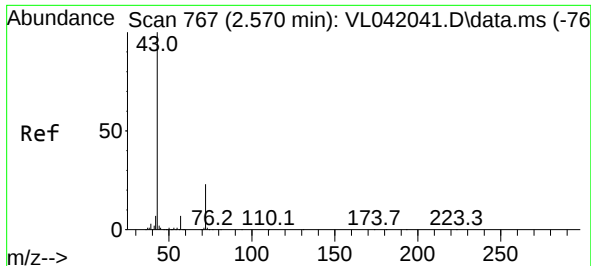
Tgt Ion: 84 Resp: 1513
Ion Ratio Lower Upper
84 100
56 618.1 101.5 152.3#
41 9.6 62.6 93.8#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.975 min Scan# 1201
Delta R.T. -0.003 min
Lab File: VL042151.D
Acq: 17 Mar 2025 10:50

Tgt Ion: 114 Resp: 385222
Ion Ratio Lower Upper
114 100
63 25.4 20.1 30.1
88 17.5 14.3 21.5

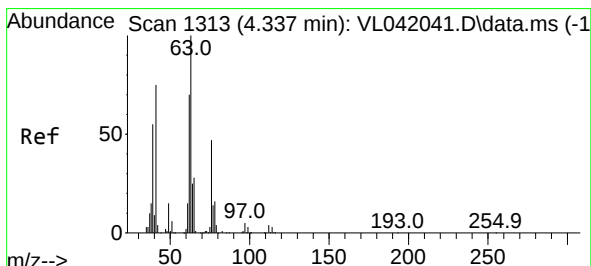
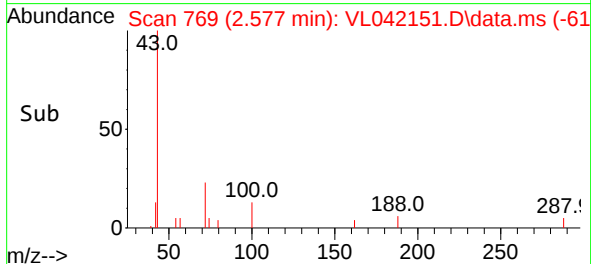
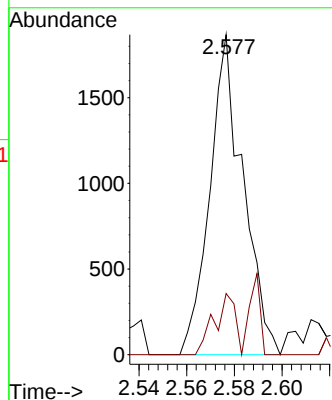
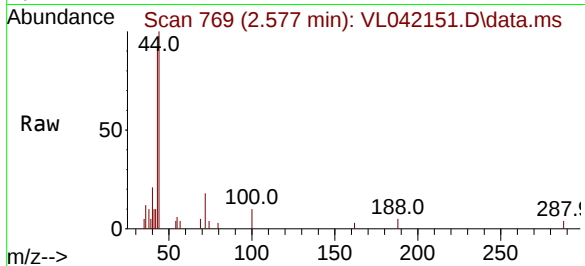




#34
2-Butanone
Concen: 0.060 ppbv
RT: 2.577 min Scan# 769
Delta R.T. 0.006 min
Lab File: VL042151.D
Acq: 17 Mar 2025 10:50

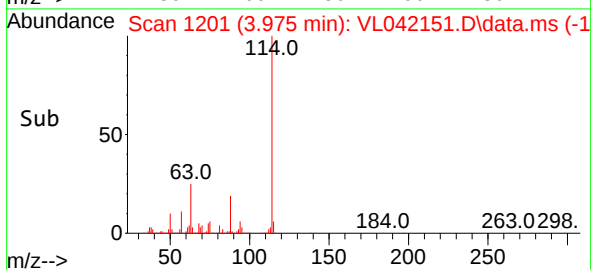
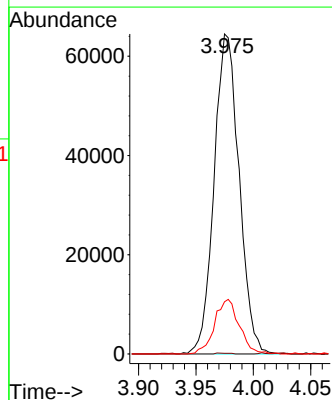
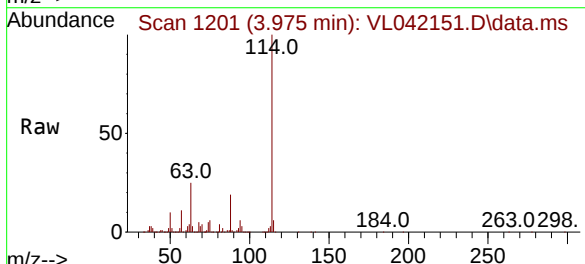
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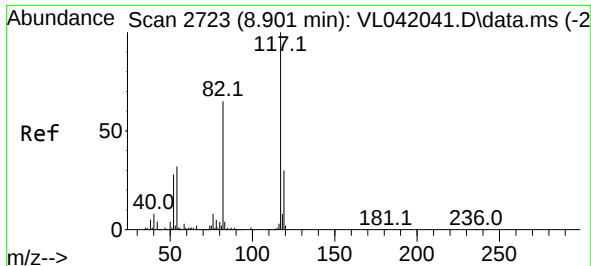
Tgt Ion: 43 Resp: 1812
Ion Ratio Lower Upper
43 100
72 20.0 18.5 27.7



#39
1,2-Dichloropropane
Concen: 6.381 ppbv
RT: 3.975 min Scan# 1201
Delta R.T. -0.363 min
Lab File: VL042151.D
Acq: 17 Mar 2025 10:50

Tgt Ion: 63 Resp: 97671
Ion Ratio Lower Upper
63 100
41 0.2 60.1 90.1#
62 16.3 55.8 83.8#

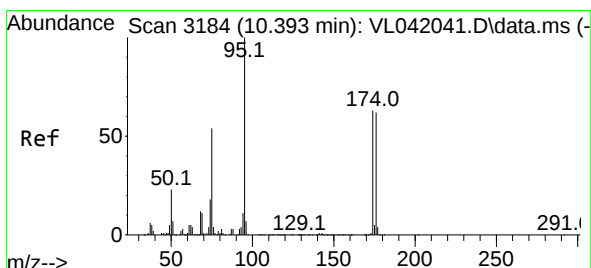
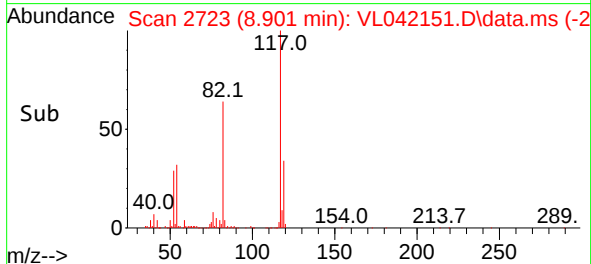
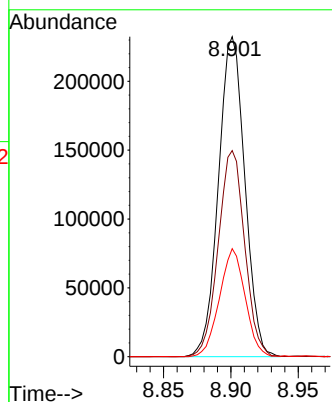
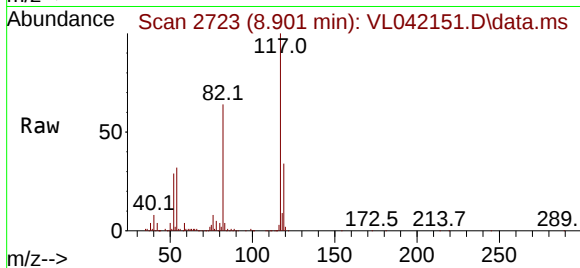




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.901 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL042151.D
Acq: 17 Mar 2025 10:50

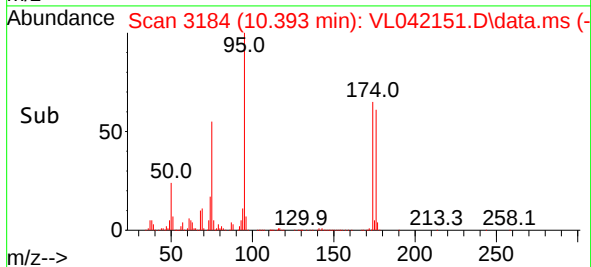
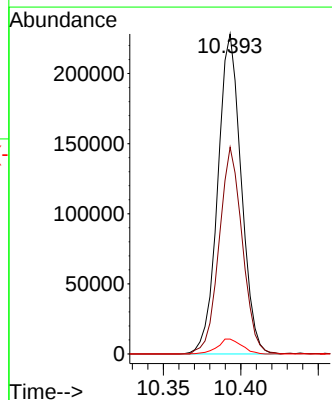
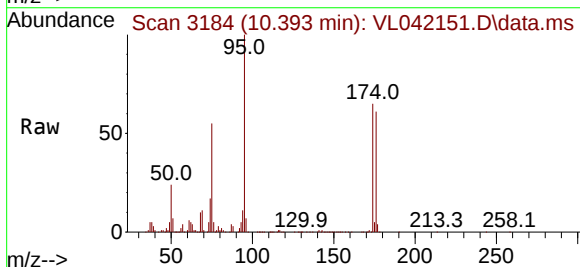
Instrument :
MSVOA_L
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VL0317ABL01

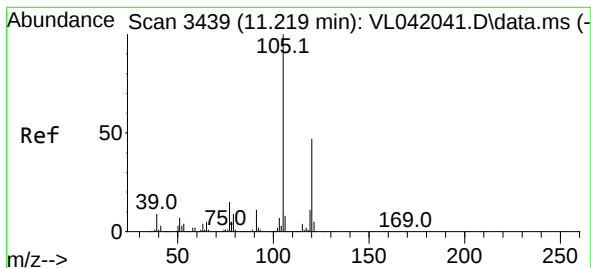
Tgt Ion:117 Resp: 316907
Ion Ratio Lower Upper
117 100
82 64.6 55.0 82.6
119 32.9 25.9 38.9



#68
1-Bromo-4-Fluorobenzene
Concen: 9.841 ppbv
RT: 10.393 min Scan# 3184
Delta R.T. -0.000 min
Lab File: VL042151.D
Acq: 17 Mar 2025 10:50

Tgt Ion: 95 Resp: 239930
Ion Ratio Lower Upper
95 100
174 64.2 51.8 77.6
175 4.9 3.9 5.9





#73

1,3,5-Trimethylbenzene

Concen: 0.030 ppbv

RT: 11.218 min Scan# 3439

Delta R.T. -0.000 min

Lab File: VL042151.D

Acq: 17 Mar 2025 10:50

Instrument :

MSVOA_L

ClientSampleId :

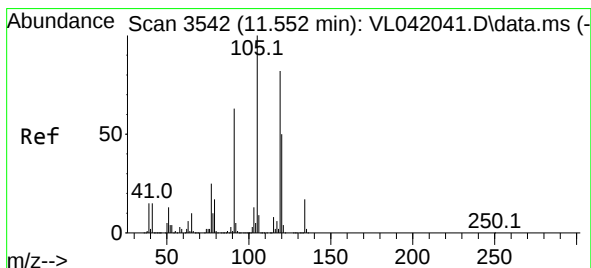
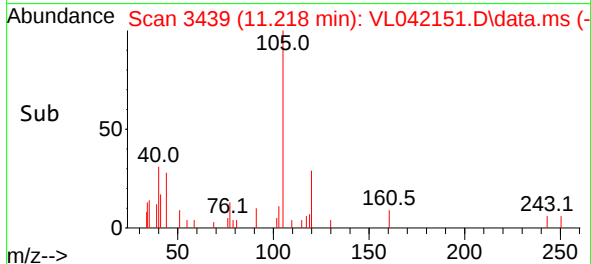
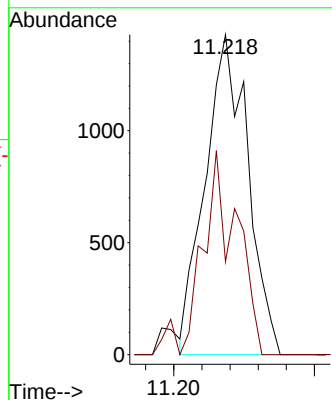
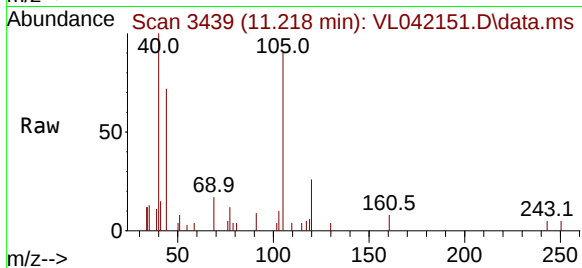
VL0317ABL01

Tgt Ion:105 Resp: 1504

Ion Ratio Lower Upper

105 100

120 29.0 37.4 56.0#



#74

1,2,4-Trimethylbenzene

Concen: 0.078 ppbv

RT: 11.549 min Scan# 3541

Delta R.T. -0.003 min

Lab File: VL042151.D

Acq: 17 Mar 2025 10:50

Tgt Ion:105 Resp: 4336

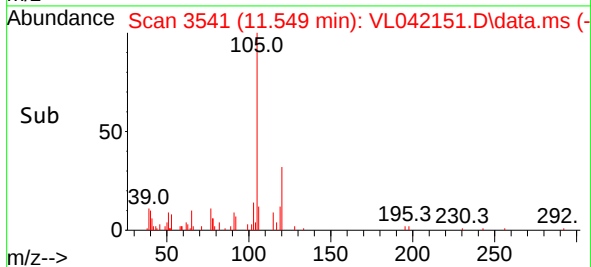
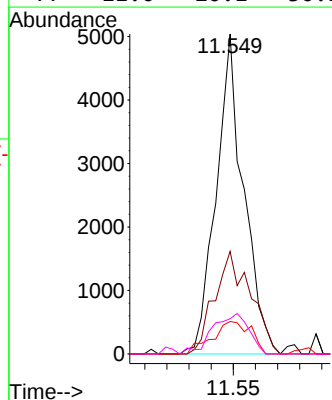
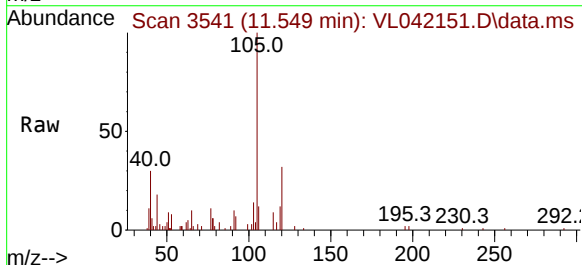
Ion Ratio Lower Upper

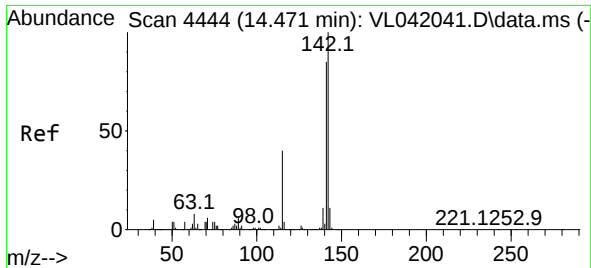
105 100

120 32.0 40.2 60.2#

91 10.1 51.4 77.2#

77 11.0 20.1 30.1#





#80
 Naphthalene, 2-methyl-
 Concen: 0.033 ppbv
 RT: 14.474 min Scan# 44
 Delta R.T. 0.003 min
 Lab File: VL042151.D
 Acq: 17 Mar 2025 10:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0317ABL01

Tgt Ion	Ratio	Lower	Upper
142	100		
141	59.5	65.8	98.6#
115	0.0	29.5	44.3#

