

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100625\
 Data File : VL043050.D
 Acq On : 06 Oct 2025 12:29
 Operator : SY/MD
 Sample : CAN 10312
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10312

Quant Time: Oct 07 01:35:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Oct 03 08:23:34 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	170064	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	456162	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.878	117	371217	10.000	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	258881	9.681	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.800%

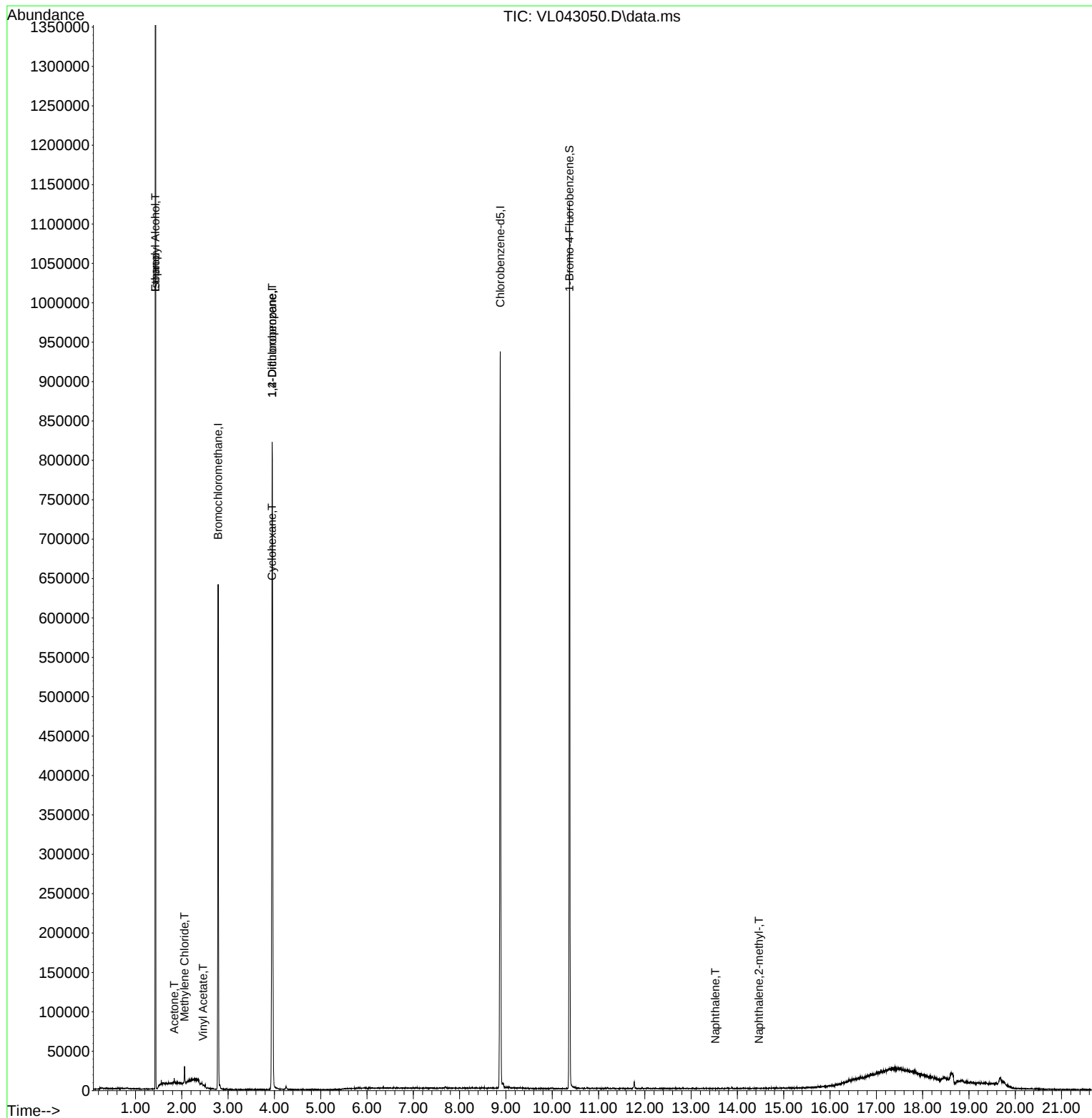
Target Compounds						Qvalue
13) Ethanol	1.431	45	47326	115.544	ppbv	86
15) Acetone	1.835	43	2998	0.126	ppbv #	57
19) Isopropyl Alcohol	1.431	45	47326	4.148	ppbv #	26
20) Methylene Chloride	2.059	84	3342	0.322	ppbv	91
23) Vinyl Acetate	2.457	43	178	0.035	ppbv #	1
30) Cyclohexane	3.946	84	2462	0.130	ppbv #	1
39) 1,2-Dichloropropane	3.952	63	115979	7.179	ppbv #	23
79) Naphthalene	13.523	128	27	0.235	ppbv #	1
80) Naphthalene,2-methyl-	14.465	142	168	0.669	ppbv #	54

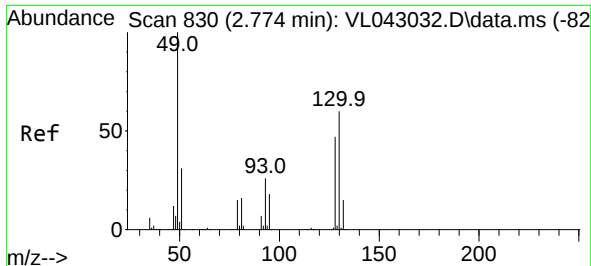
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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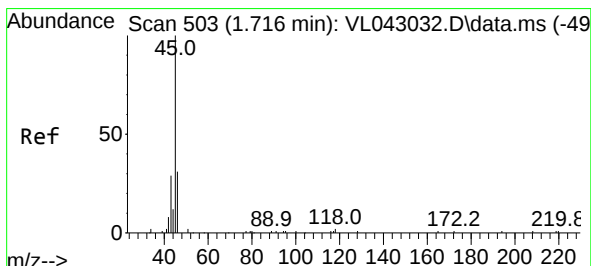
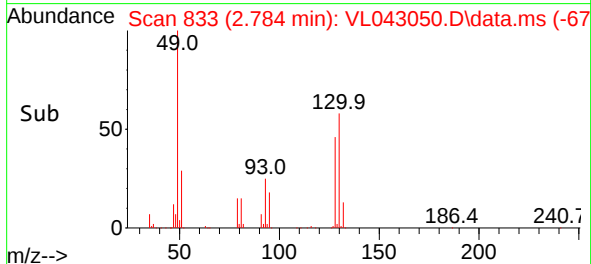
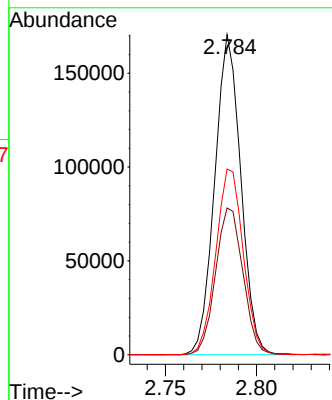
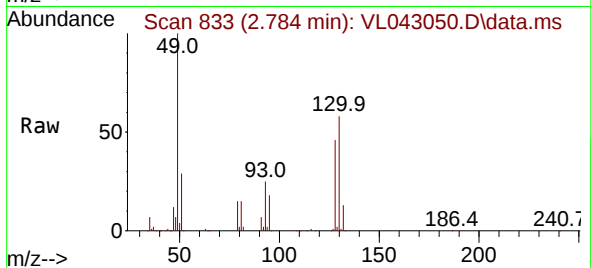




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. 0.010 min
Lab File: VL043050.D
Acq: 06 Oct 2025 12:29

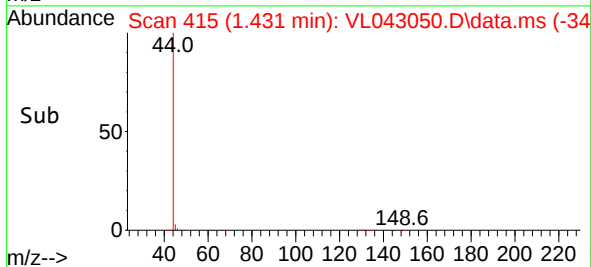
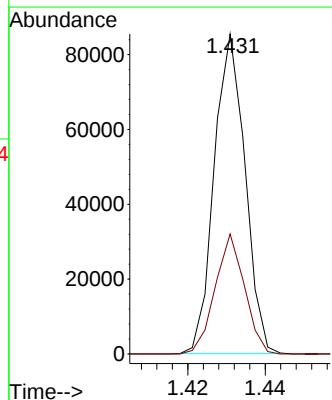
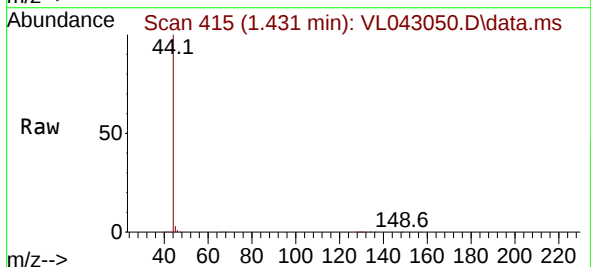
Instrument :
MSVOA_L
ClientSampleId :
CAN 10312

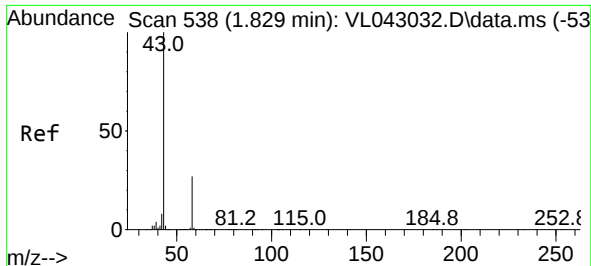
Tgt Ion: 49 Resp: 170064
Ion Ratio Lower Upper
49 100
128 48.1 24.1 72.2
130 61.1 31.4 94.3



#13
Ethanol
Concen: 115.544 ppbv
RT: 1.431 min Scan# 415
Delta R.T. -0.285 min
Lab File: VL043050.D
Acq: 06 Oct 2025 12:29

Tgt Ion: 45 Resp: 47326
Ion Ratio Lower Upper
45 100
46 35.8 17.8 71.4

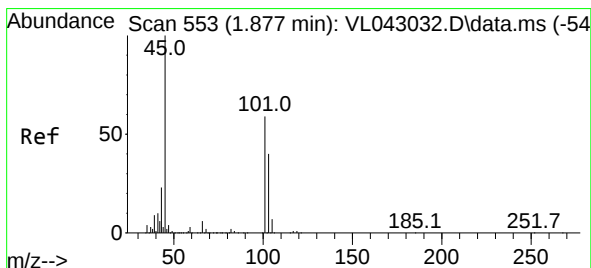
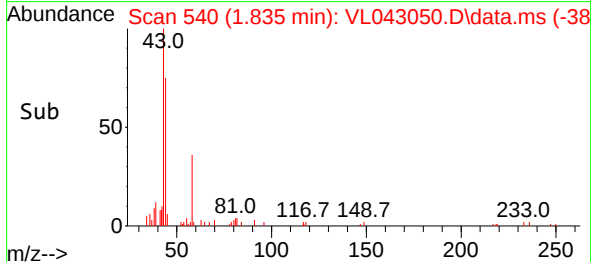
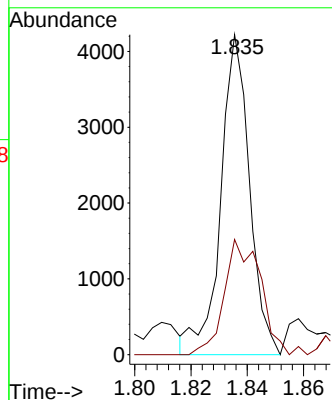
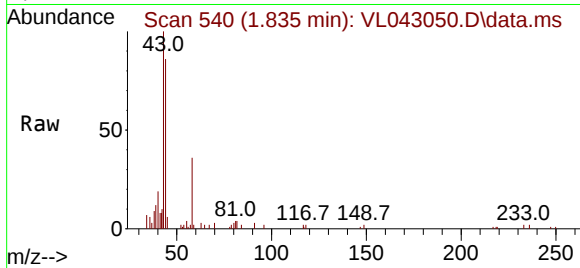




#15
Acetone
Concen: 0.126 ppbv
RT: 1.835 min Scan# 54
Delta R.T. 0.007 min
Lab File: VL043050.D
Acq: 06 Oct 2025 12:29

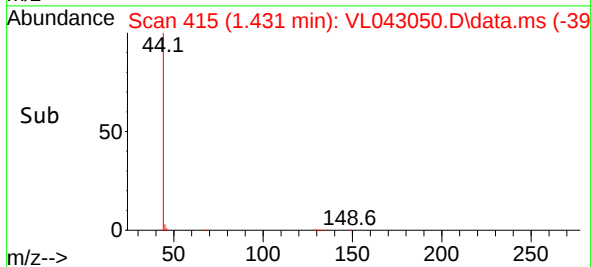
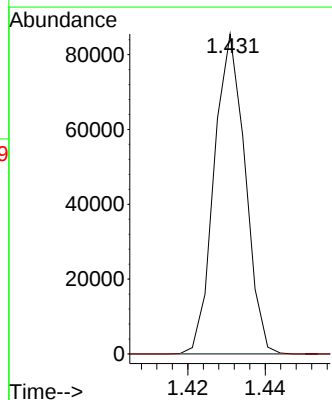
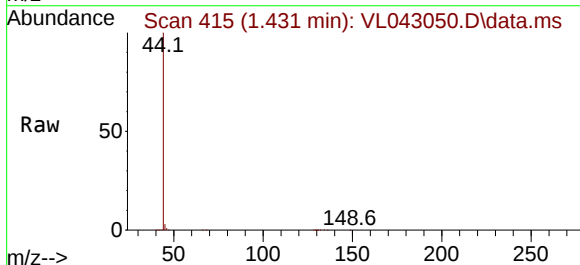
Instrument :
MSVOA_L
ClientSampleId :
CAN 10312

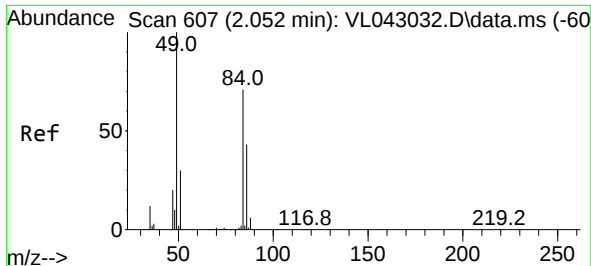
Tgt Ion: 43 Resp: 2998
Ion Ratio Lower Upper
43 100
58 50.2 22.2 33.4#



#19
Isopropyl Alcohol
Concen: 4.148 ppbv
RT: 1.431 min Scan# 415
Delta R.T. -0.447 min
Lab File: VL043050.D
Acq: 06 Oct 2025 12:29

Tgt Ion: 45 Resp: 47326
Ion Ratio Lower Upper
45 100
58 0.1 42.3 63.5#





#20

Methylene Chloride

Concen: 0.322 ppbv

RT: 2.059 min Scan# 607

Delta R.T. 0.007 min

Lab File: VL043050.D

Acq: 06 Oct 2025 12:29

Instrument :

MSVOA_L

ClientSampleId :

CAN 10312

Tgt Ion: 84 Resp: 3342

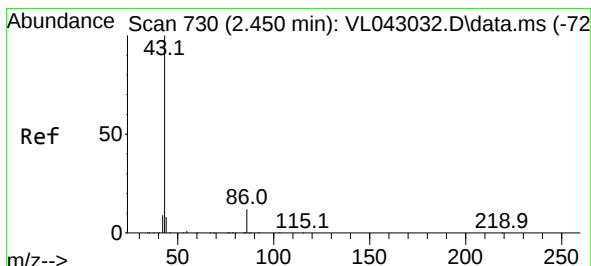
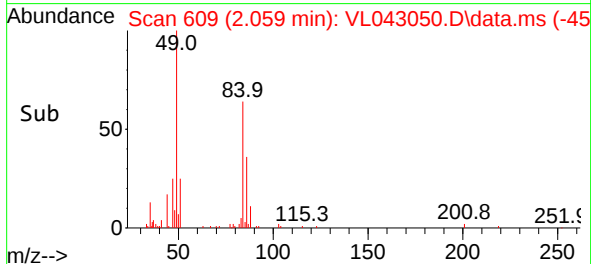
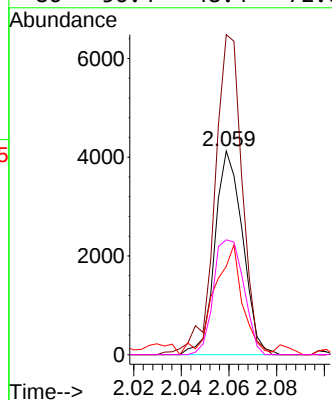
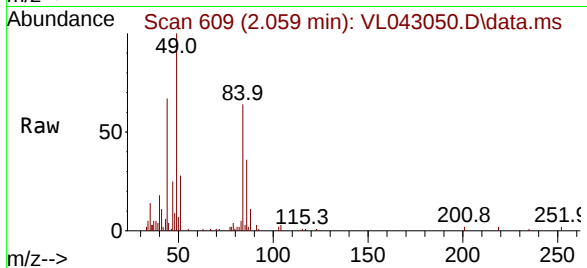
Ion Ratio Lower Upper

84 100

49 157.1 112.5 168.7

51 43.4 34.2 51.2

86 56.4 48.4 72.6



#23

Vinyl Acetate

Concen: 0.035 ppbv

RT: 2.457 min Scan# 732

Delta R.T. 0.007 min

Lab File: VL043050.D

Acq: 06 Oct 2025 12:29

Tgt Ion: 43 Resp: 178

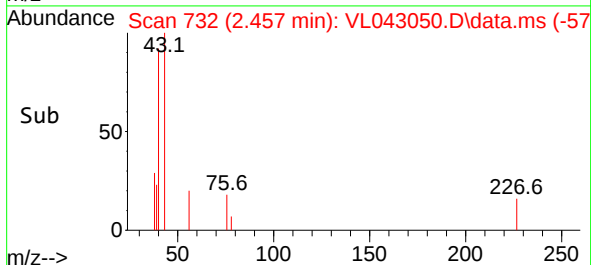
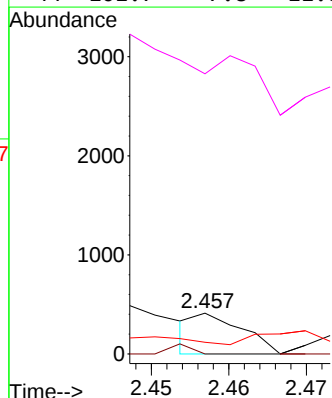
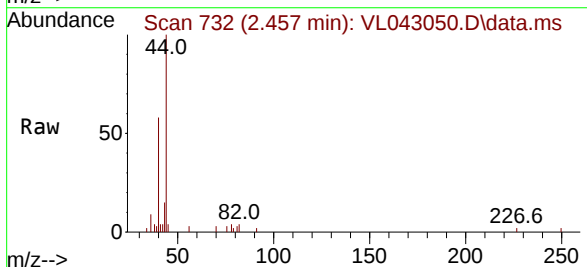
Ion Ratio Lower Upper

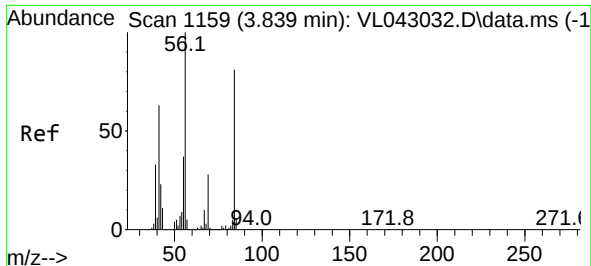
43 100

86 0.0 7.5 11.3#

42 0.0 8.4 12.6#

44 101.7 7.8 11.8#

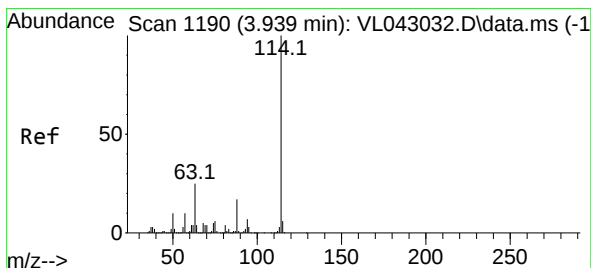
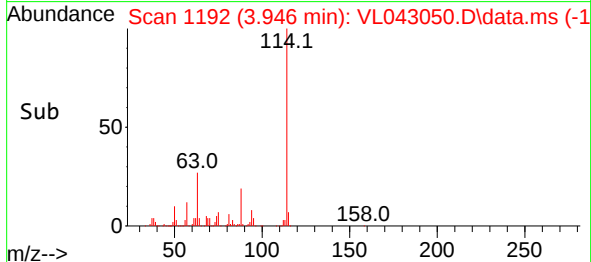
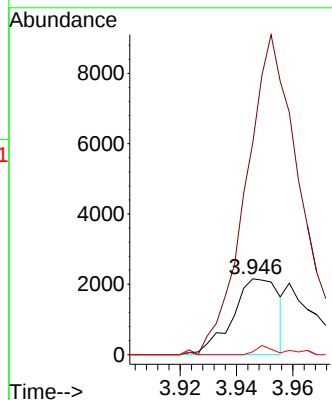
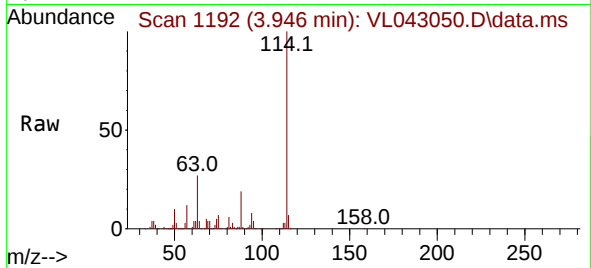




#30
Cyclohexane
Concen: 0.130 ppbv
RT: 3.946 min Scan# 1159
Delta R.T. 0.107 min
Lab File: VL043050.D
Acq: 06 Oct 2025 12:29

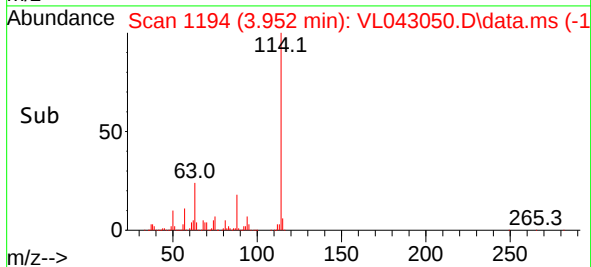
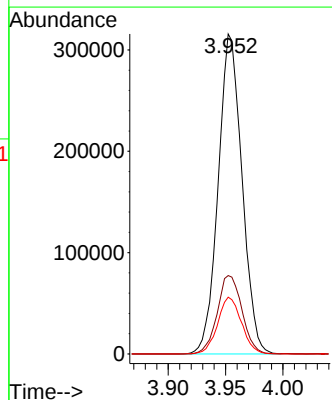
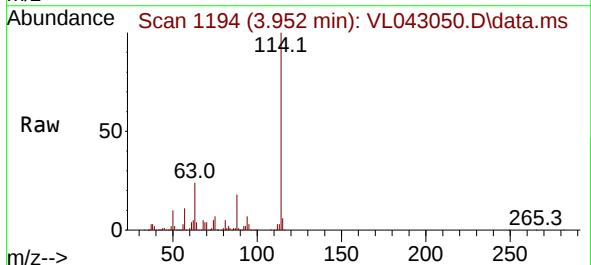
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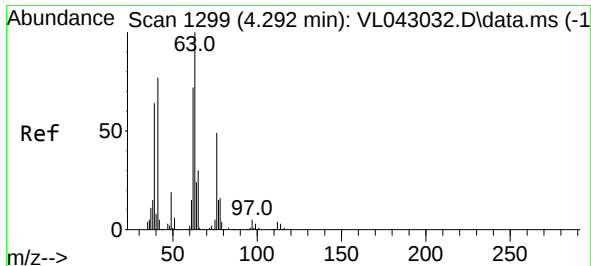
Tgt Ion: 84 Resp: 2462
Ion Ratio Lower Upper
84 100
56 0.0 99.9 149.9#
41 6.9 64.2 96.4#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. 0.013 min
Lab File: VL043050.D
Acq: 06 Oct 2025 12:29

Tgt Ion: 114 Resp: 456162
Ion Ratio Lower Upper
114 100
63 25.5 19.4 29.2
88 17.8 13.9 20.9





#39

1,2-Dichloropropane

Concen: 7.179 ppbv

RT: 3.952 min Scan# 1194

Delta R.T. -0.340 min

Lab File: VL043050.D

Acq: 06 Oct 2025 12:29

Instrument :

MSVOA_L

ClientSampleId :

CAN 10312

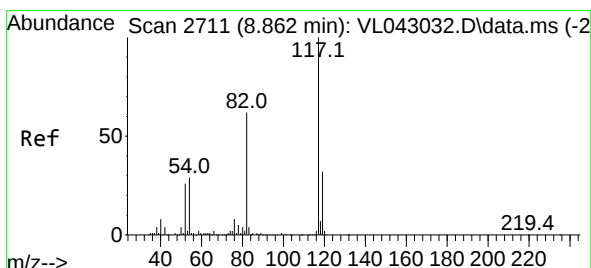
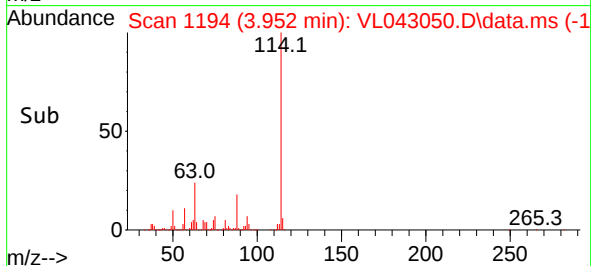
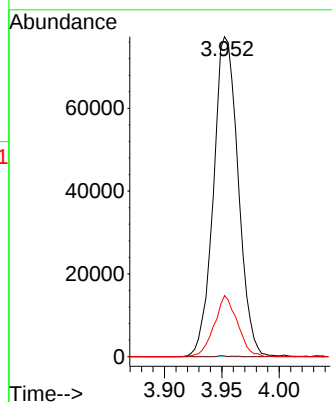
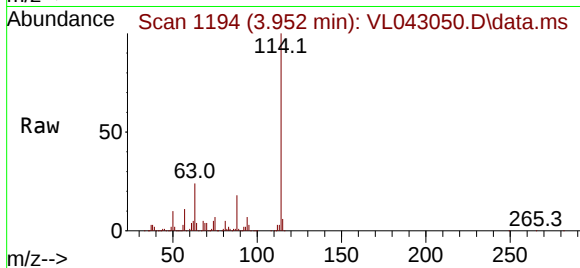
Tgt Ion: 63 Resp: 115979

Ion Ratio Lower Upper

63 100

41 0.2 61.6 92.4#

62 19.1 58.1 87.1#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.878 min Scan# 2716

Delta R.T. 0.016 min

Lab File: VL043050.D

Acq: 06 Oct 2025 12:29

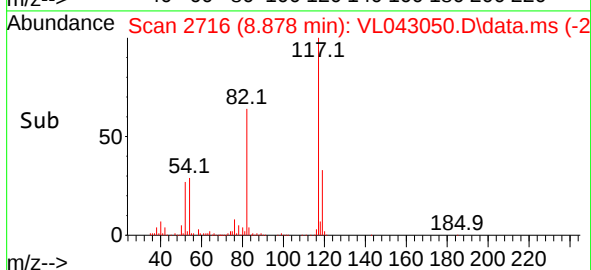
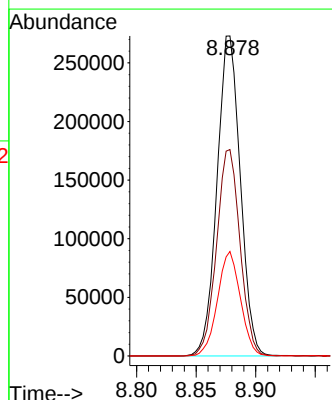
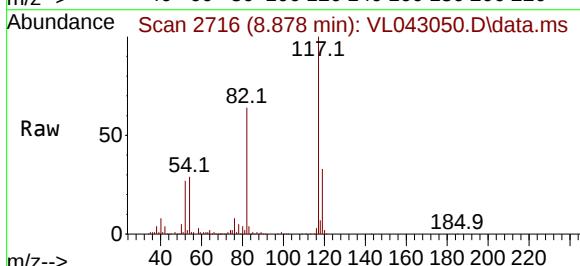
Tgt Ion: 117 Resp: 371217

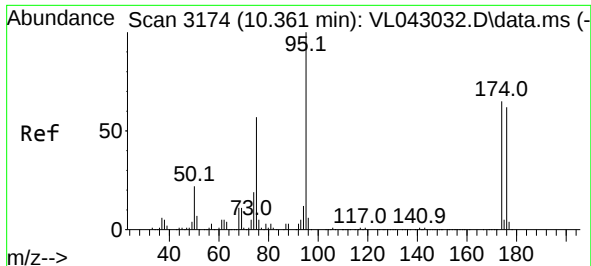
Ion Ratio Lower Upper

117 100

82 64.9 53.0 79.6

119 32.2 25.4 38.2

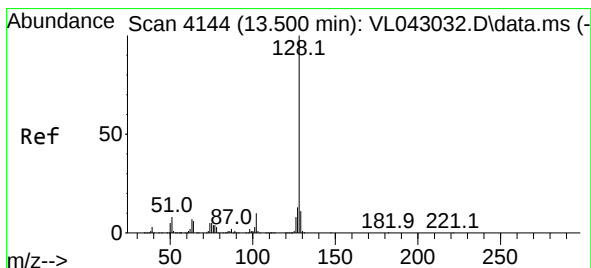
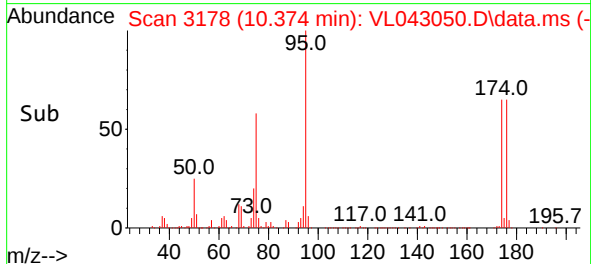
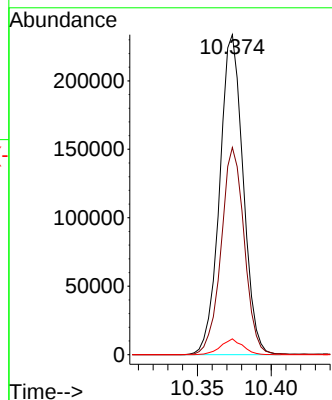
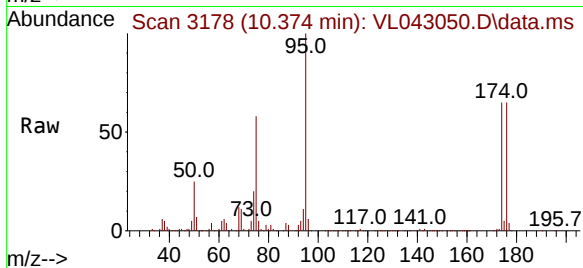




#68
1-Bromo-4-Fluorobenzene
Concen: 9.681 ppbv
RT: 10.374 min Scan# 3174
Delta R.T. 0.013 min
Lab File: VL043050.D
Acq: 06 Oct 2025 12:29

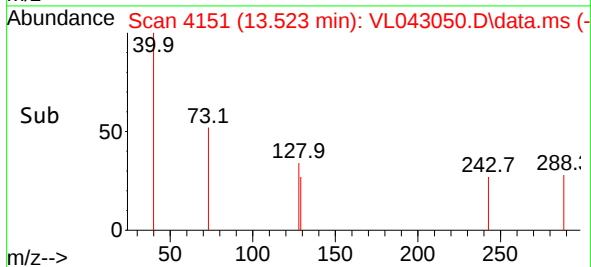
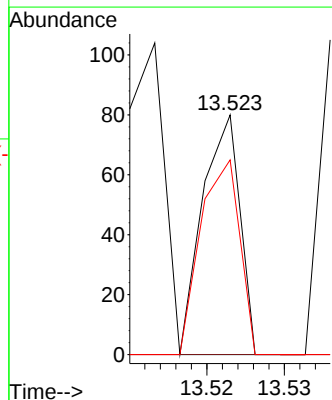
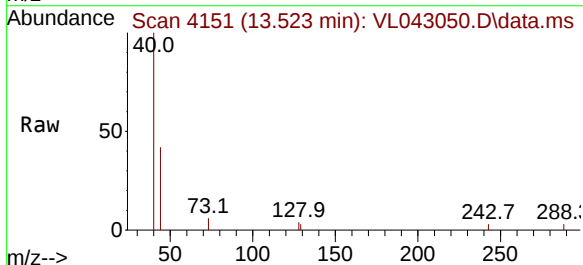
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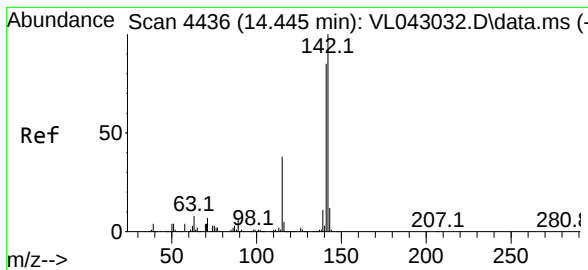
Tgt Ion: 95 Resp: 258881
Ion Ratio Lower Upper
95 100
174 64.1 52.3 78.5
175 4.6 3.8 5.8



#79
Naphthalene
Concen: 0.235 ppbv
RT: 13.523 min Scan# 4151
Delta R.T. 0.023 min
Lab File: VL043050.D
Acq: 06 Oct 2025 12:29

Tgt Ion: 128 Resp: 27
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 81.3 8.8 13.2#





#80

Naphthalene, 2-methyl-

Concen: 0.669 ppbv

RT: 14.465 min Scan# 44

Delta R.T. 0.020 min

Lab File: VL043050.D

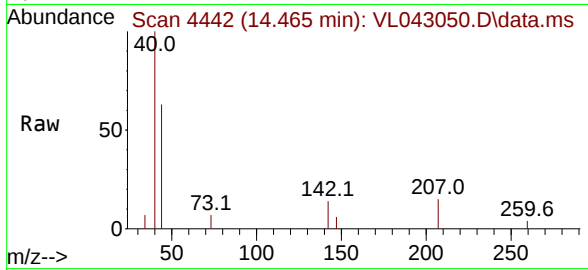
Acq: 06 Oct 2025 12:29

Instrument :

MSVOA_L

ClientSampleId :

CAN 10312



Tgt Ion:142 Resp: 168

Ion Ratio Lower Upper

142 100

141 48.2 66.6 100.0#

115 0.0 30.1 45.1#

