

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100925\
 Data File : VL043100.D
 Acq On : 09 Oct 2025 22:23
 Operator : SY/MD
 Sample : VIBLK
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Oct 09 23:48:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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)

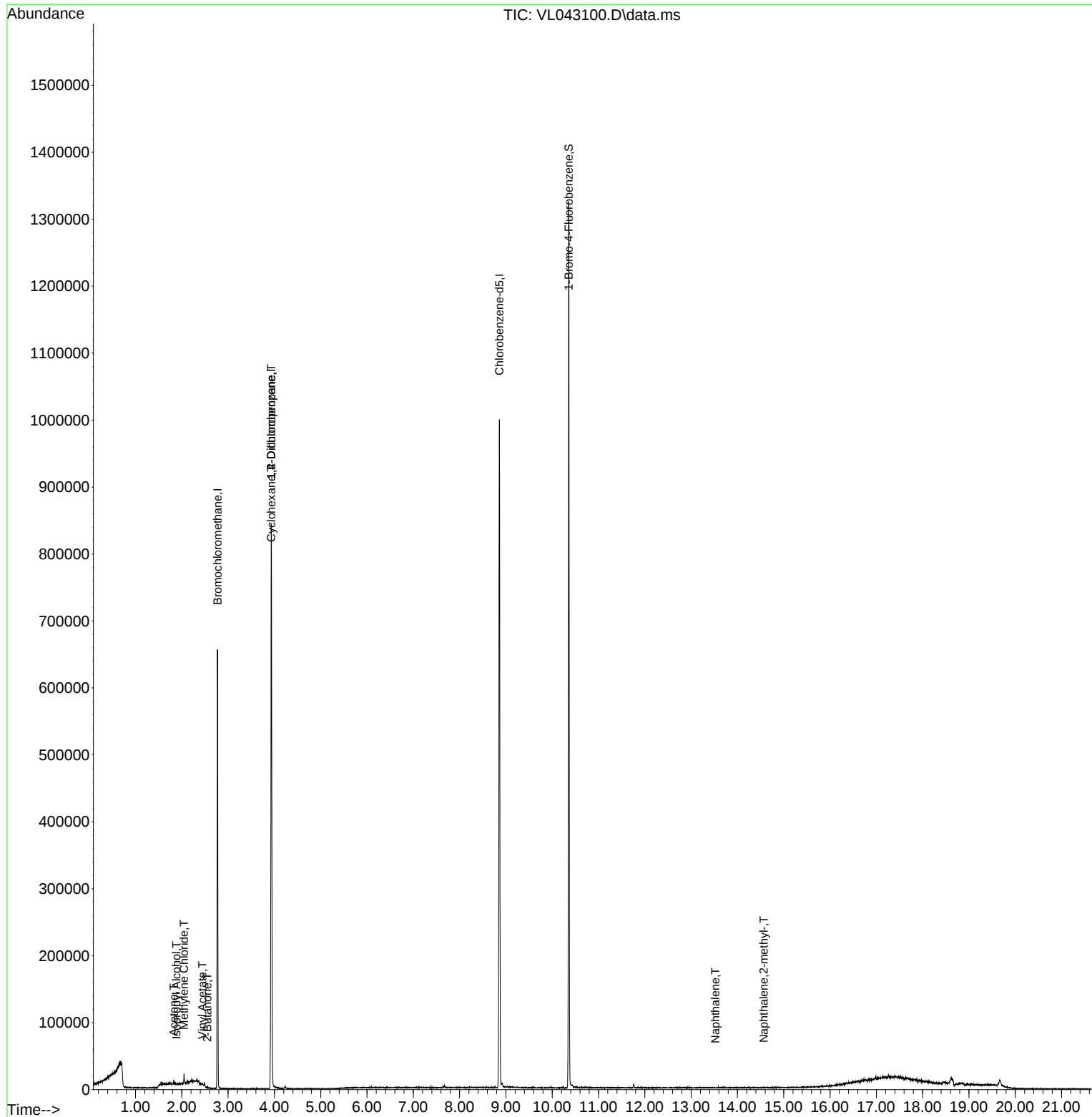
Internal Standards							
1) Bromochloromethane		2.771	49	171959	10.000	ppbv	0.00
33) 1,4-Difluorobenzene		3.933	114	440828	10.000	ppbv	0.00
55) Chlorobenzene-d5		8.859	117	378394	10.000	ppbv	0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene		10.357	95	288139	10.570	ppbv	0.00
Spiked Amount		10.000	Range 65 - 135		Recovery	= 105.700%	
Target Compounds							
							Qvalue
13) Ethanol		1.712	45	201	Below Cal	94	
15) Acetone		1.826	43	2618	0.109 ppbv	#	56
19) Isopropyl Alcohol		1.881	45	351	0.030 ppbv	#	25
20) Methylene Chloride		2.049	84	2333	0.222 ppbv	#	92
23) Vinyl Acetate		2.444	43	672	0.131 ppbv	#	60
30) Cyclohexane		3.929	84	2034	0.107 ppbv	#	3
34) 2-Butanone		2.551	43	976	0.033 ppbv	#	58
39) 1,2-Dichloropropane		3.933	63	113336	7.260 ppbv	#	21
79) Naphthalene		13.520	128	24	0.235 ppbv	#	69
80) Naphthalene,2-methyl-		14.568	142	25	0.663 ppbv	#	17

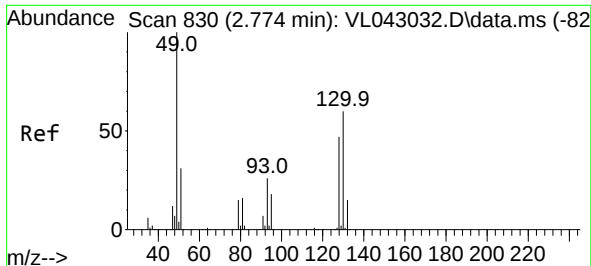
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 09 23:48:40 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

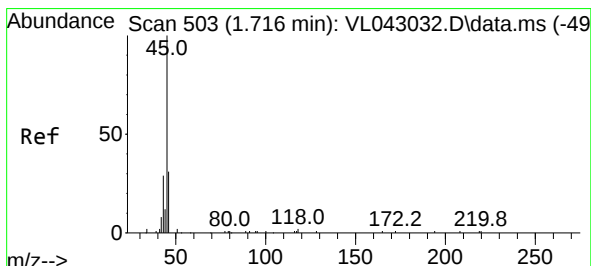
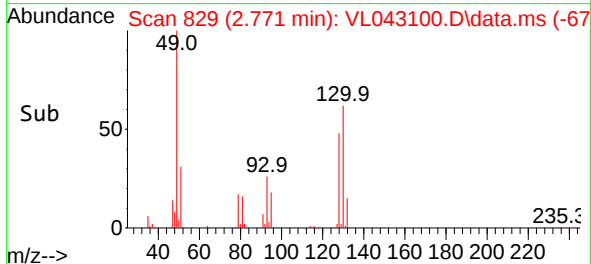
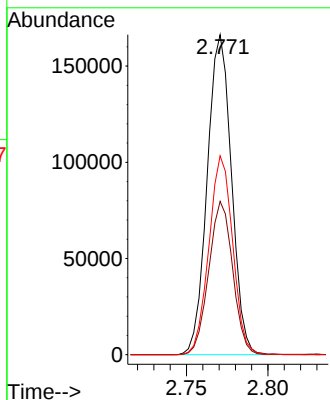
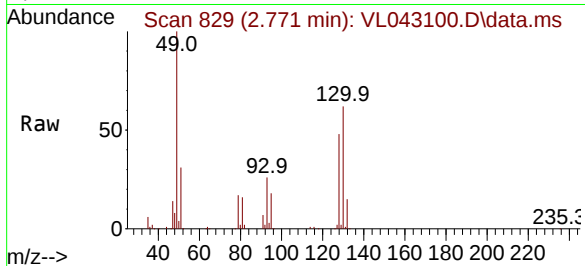




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.771 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL043100.D
Acq: 09 Oct 2025 22:23

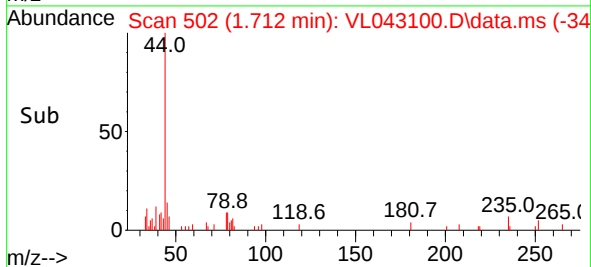
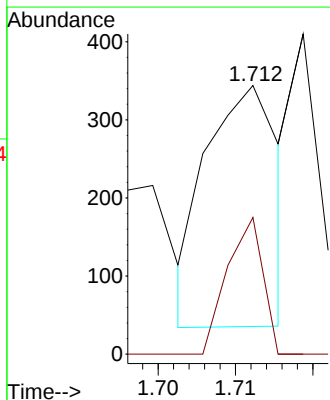
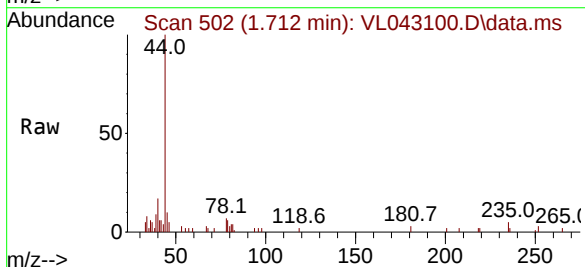
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

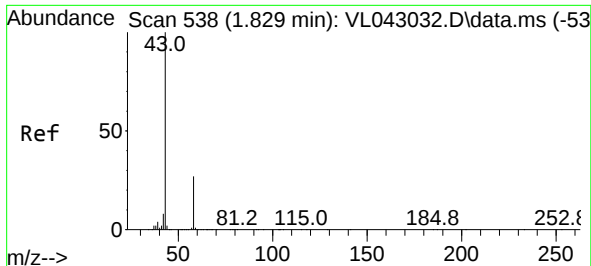
Tgt Ion: 49 Resp: 171959
Ion Ratio Lower Upper
49 100
128 47.3 24.1 72.2
130 61.0 31.4 94.3



#13
Ethanol
Concen: Below Cal
RT: 1.712 min Scan# 502
Delta R.T. -0.004 min
Lab File: VL043100.D
Acq: 09 Oct 2025 22:23

Tgt Ion: 45 Resp: 201
Ion Ratio Lower Upper
45 100
46 48.3 17.8 71.4

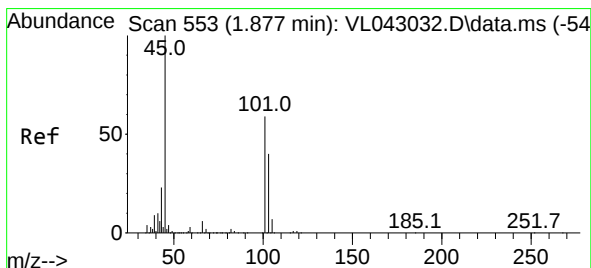
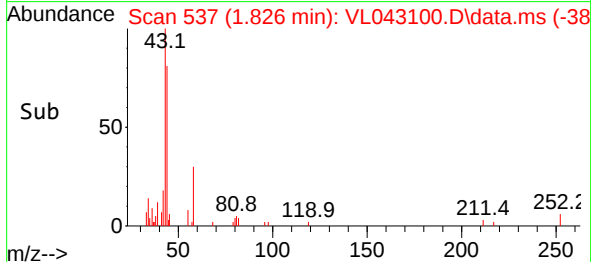
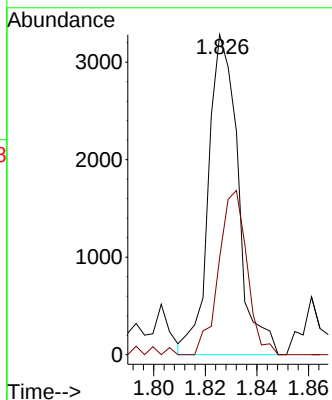
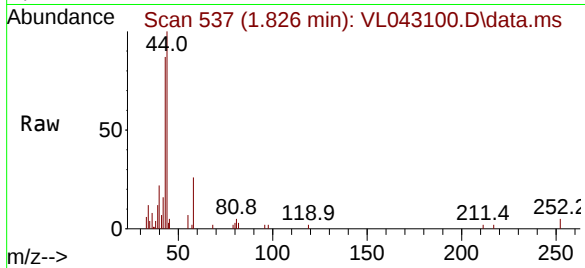




#15
Acetone
Concen: 0.109 ppbv
RT: 1.826 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL043100.D
Acq: 09 Oct 2025 22:23

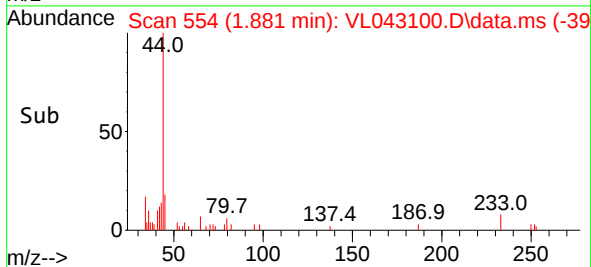
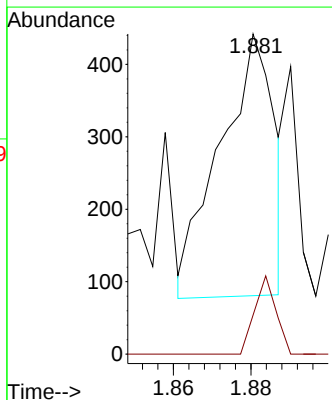
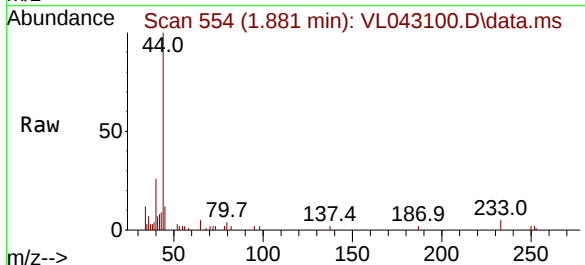
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

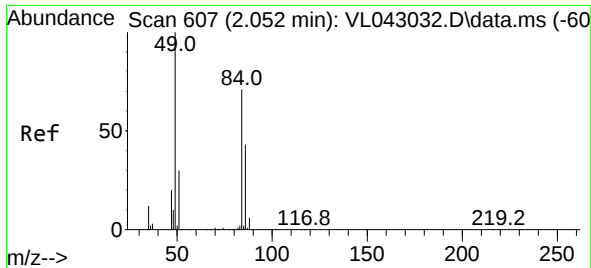
Tgt Ion: 43 Resp: 2618
Ion Ratio Lower Upper
43 100
58 50.6 22.2 33.4#



#19
Isopropyl Alcohol
Concen: 0.030 ppbv
RT: 1.881 min Scan# 554
Delta R.T. 0.003 min
Lab File: VL043100.D
Acq: 09 Oct 2025 22:23

Tgt Ion: 45 Resp: 351
Ion Ratio Lower Upper
45 100
58 0.0 42.3 63.5#



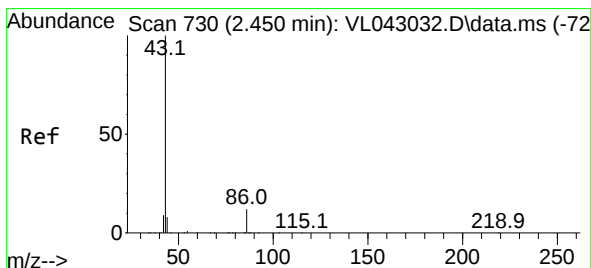
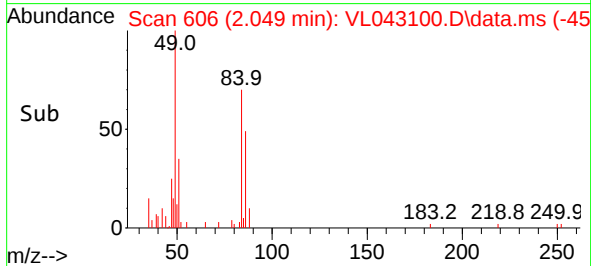
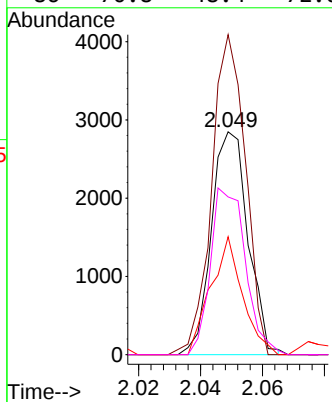
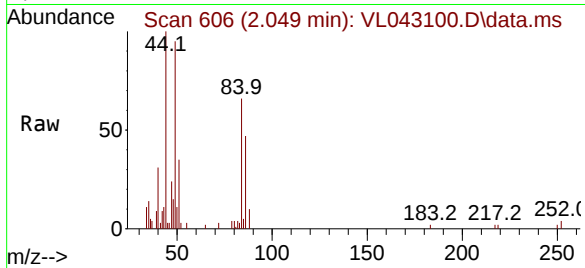


#20
Methylene Chloride
Concen: 0.222 ppbv
RT: 2.049 min Scan# 607
Delta R.T. -0.003 min
Lab File: VL043100.D
Acq: 09 Oct 2025 22:23

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tgt Ion: 84 Resp: 2333

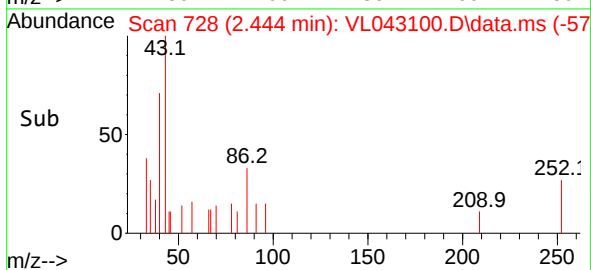
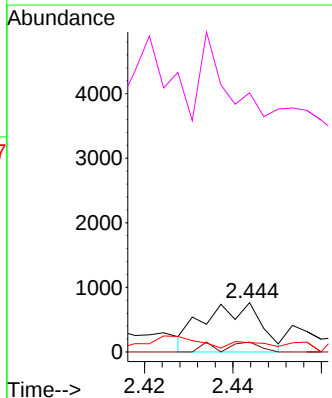
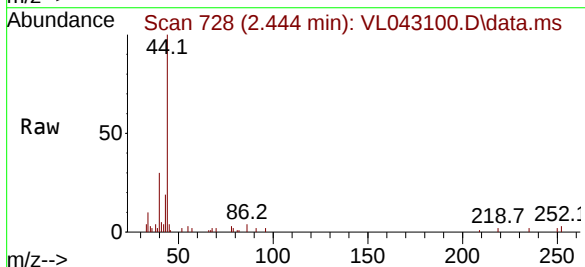
Ion	Ratio	Lower	Upper
84	100		
49	143.6	112.5	168.7
51	52.9	34.2	51.2#
86	70.8	48.4	72.6

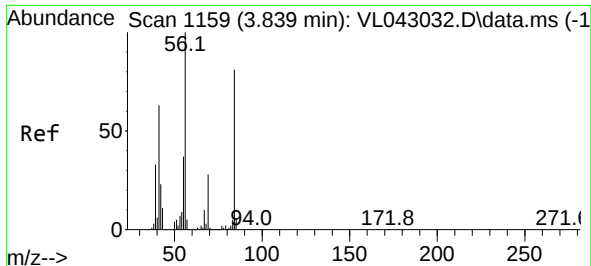


#23
Vinyl Acetate
Concen: 0.131 ppbv
RT: 2.444 min Scan# 728
Delta R.T. -0.007 min
Lab File: VL043100.D
Acq: 09 Oct 2025 22:23

Tgt Ion: 43 Resp: 672

Ion	Ratio	Lower	Upper
43	100		
86	23.9	7.5	11.3#
42	9.4	8.4	12.6
44	39.7	7.8	11.8#

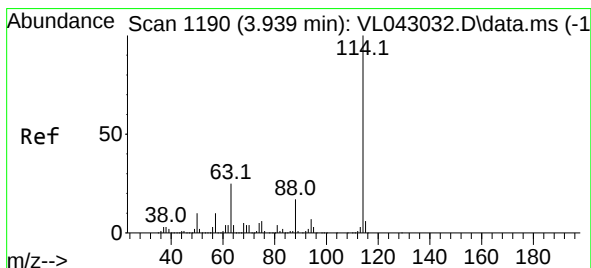
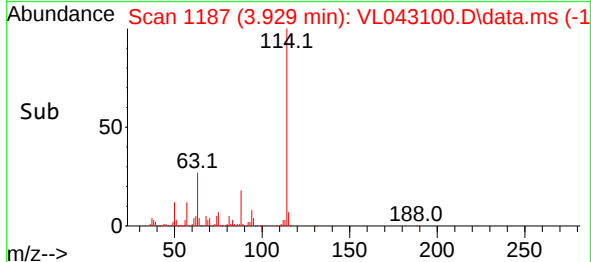
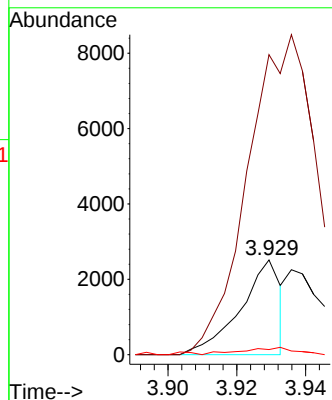
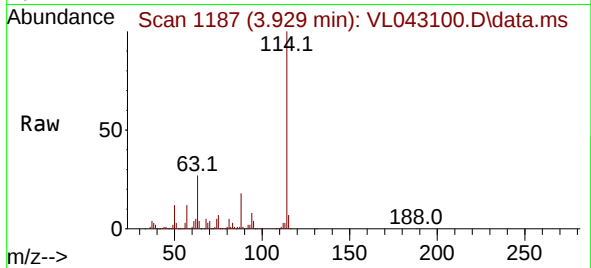




#30
Cyclohexane
Concen: 0.107 ppbv
RT: 3.929 min Scan# 1159
Delta R.T. 0.090 min
Lab File: VL043100.D
Acq: 09 Oct 2025 22:23

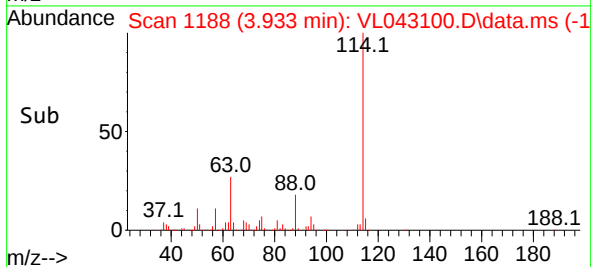
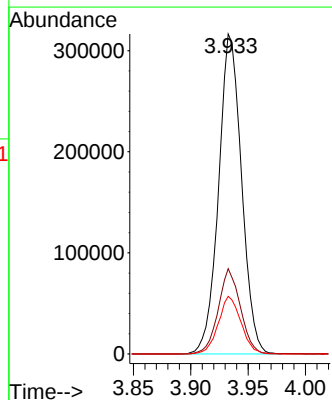
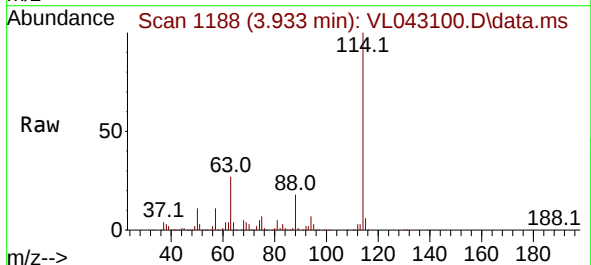
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

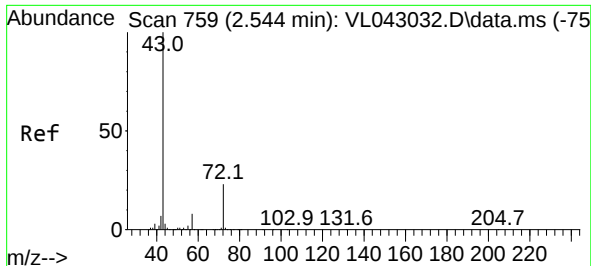
Tgt Ion: 84 Resp: 2034
Ion Ratio Lower Upper
84 100
56 0.0 99.9 149.9#
41 12.3 64.2 96.4#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.933 min Scan# 1188
Delta R.T. -0.007 min
Lab File: VL043100.D
Acq: 09 Oct 2025 22:23

Tgt Ion: 114 Resp: 440828
Ion Ratio Lower Upper
114 100
63 25.8 19.4 29.2
88 17.7 13.9 20.9

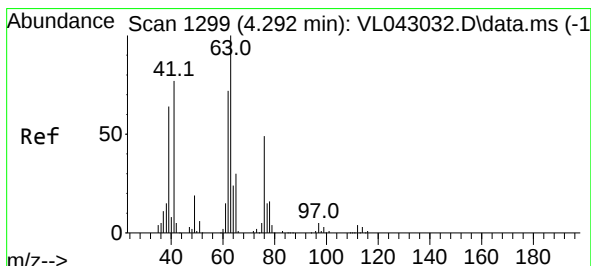
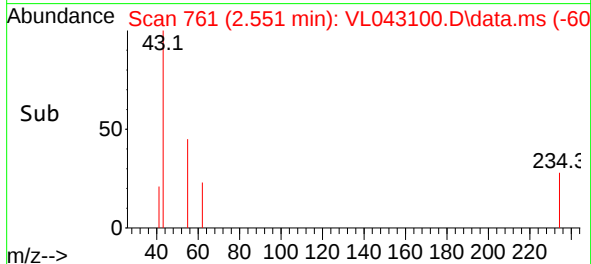
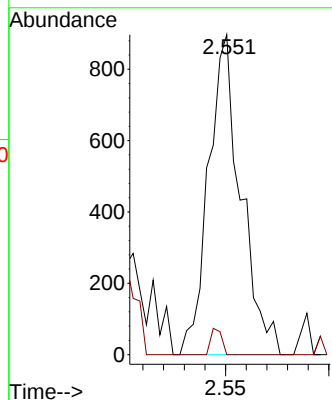
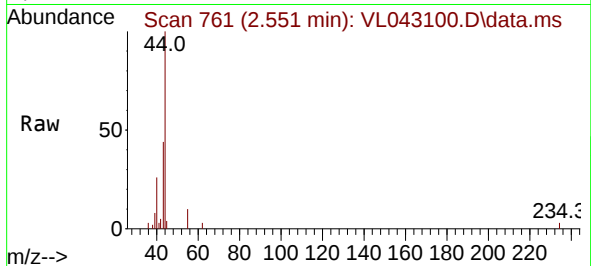




#34
2-Butanone
Concen: 0.033 ppbv
RT: 2.551 min Scan# 71
Delta R.T. 0.006 min
Lab File: VL043100.D
Acq: 09 Oct 2025 22:23

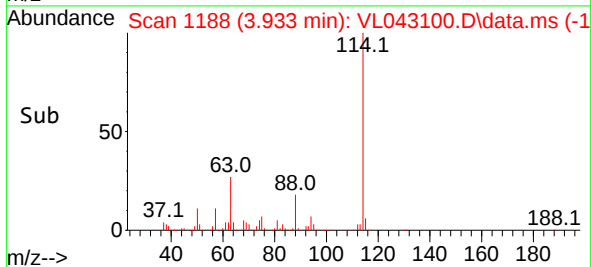
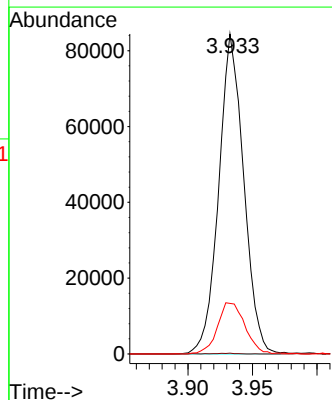
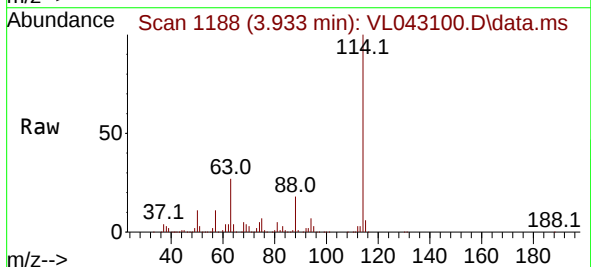
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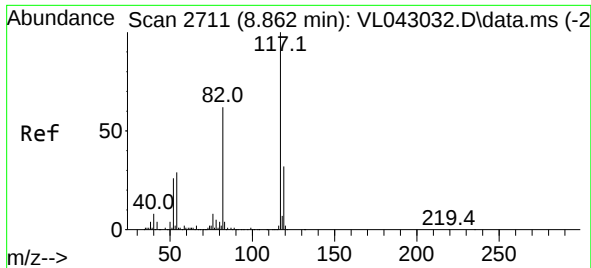
Tgt Ion: 43 Resp: 976
Ion Ratio Lower Upper
43 100
72 2.8 18.4 27.6#



#39
1,2-Dichloropropane
Concen: 7.260 ppbv
RT: 3.933 min Scan# 1188
Delta R.T. -0.359 min
Lab File: VL043100.D
Acq: 09 Oct 2025 22:23

Tgt Ion: 63 Resp: 113336
Ion Ratio Lower Upper
63 100
41 0.2 61.6 92.4#
62 15.8 58.1 87.1#

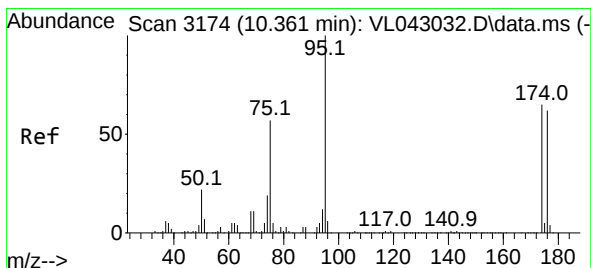
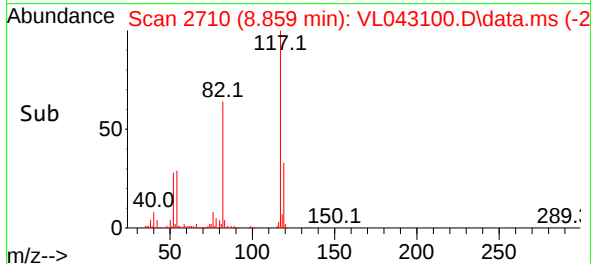
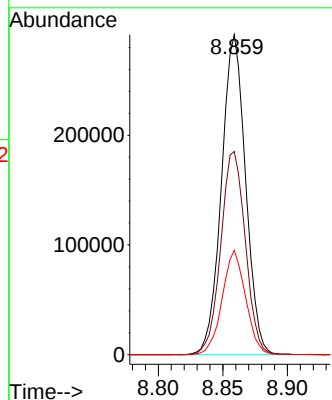
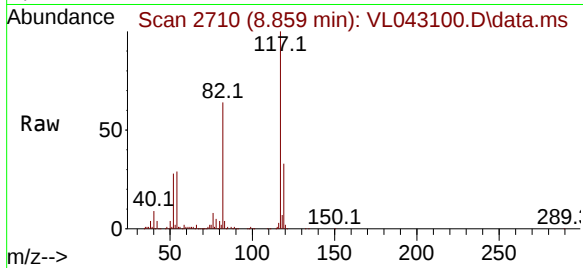




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.859 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL043100.D
Acq: 09 Oct 2025 22:23

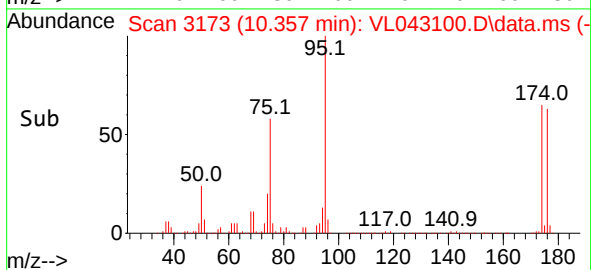
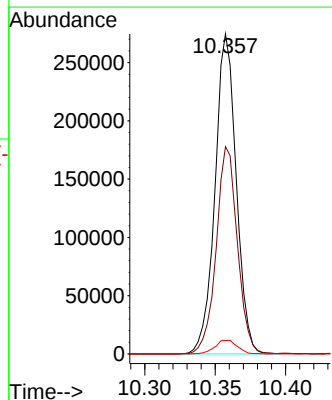
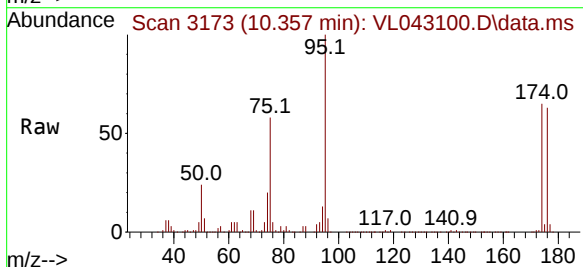
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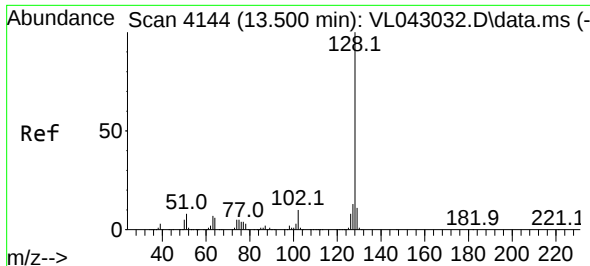
Tgt Ion:117 Resp: 378394
Ion Ratio Lower Upper
117 100
82 64.9 53.0 79.6
119 31.8 25.4 38.2



#68
1-Bromo-4-Fluorobenzene
Concen: 10.570 ppbv
RT: 10.357 min Scan# 3173
Delta R.T. -0.003 min
Lab File: VL043100.D
Acq: 09 Oct 2025 22:23

Tgt Ion: 95 Resp: 288139
Ion Ratio Lower Upper
95 100
174 64.9 52.3 78.5
175 4.6 3.8 5.8

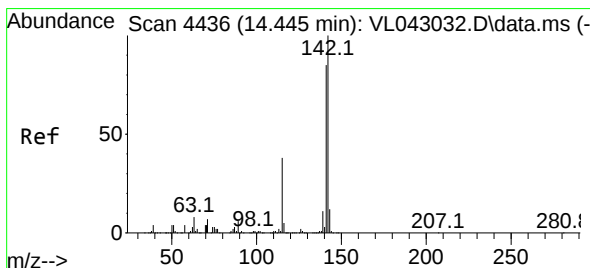
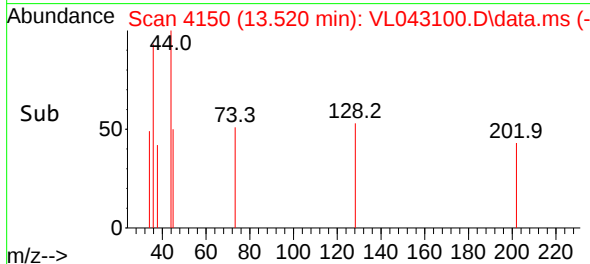
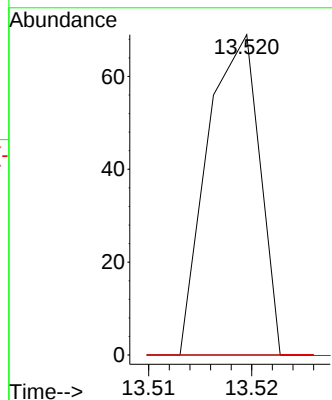
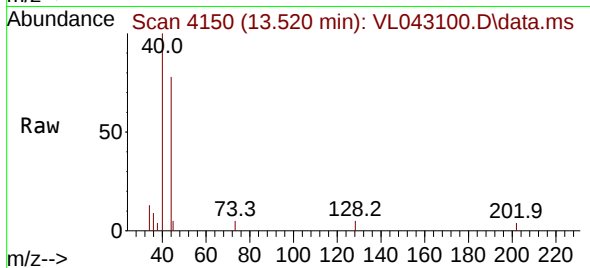




#79
Naphthalene
Concen: 0.235 ppbv
RT: 13.520 min Scan# 4144
Delta R.T. 0.020 min
Lab File: VL043100.D
Acq: 09 Oct 2025 22:23

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tgt Ion:128 Resp: 24
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.8 13.2#



#80
Naphthalene,2-methyl-
Concen: 0.663 ppbv
RT: 14.568 min Scan# 4474
Delta R.T. 0.123 min
Lab File: VL043100.D
Acq: 09 Oct 2025 22:23

Tgt Ion:142 Resp: 25
Ion Ratio Lower Upper
142 100
141 0.0 66.6 100.0#
115 0.0 30.1 45.1#

