

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073125\
 Data File : VL042791.D
 Acq On : 31 Jul 2025 12:03
 Operator : SY/MD
 Sample : Q2727-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AE073-1100

Quant Time: Aug 01 01:14:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jul 24 05:24:41 2025
 Response via : Initial Calibration

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

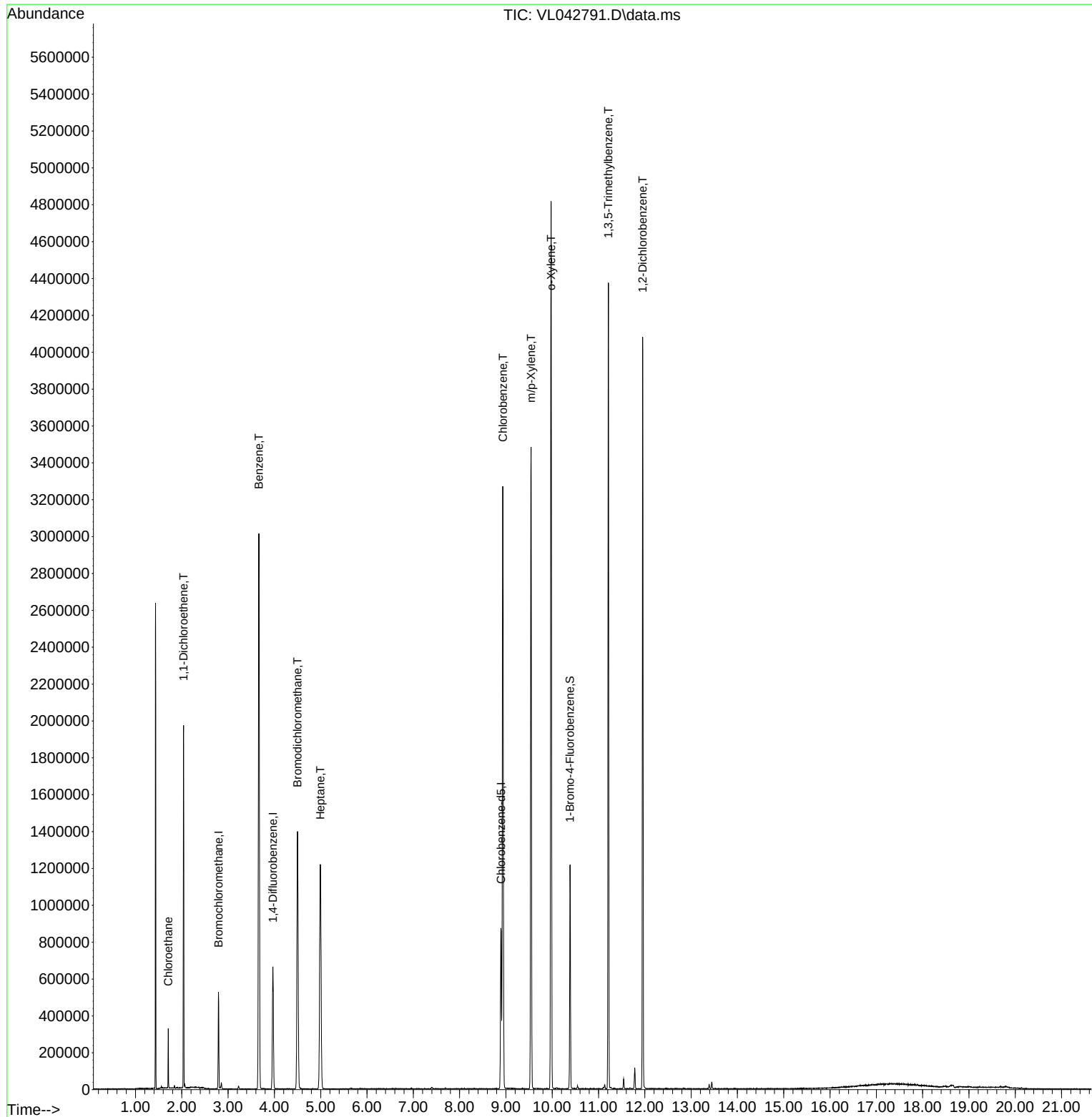
Internal Standards							
1) Bromochloromethane		2.794	49	141472	10.000	ppbv	0.00
33) 1,4-Difluorobenzene		3.968	114	391365	10.000	ppbv	0.01
55) Chlorobenzene-d5		8.891	117	346534	10.000	ppbv	0.01
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene		10.384	95	293791	10.705	ppbv	0.00
Spiked Amount		10.000	Range	65 - 135	Recovery	= 107.100%	
Target Compounds							
							Qvalue
7) Chloroethane		1.709	64	86336	29.887	ppbv	99
10) Heptane		4.991	43	566179	23.711	ppbv	98
18) 1,1-Dichloroethene		2.039	96	258488	39.044	ppbv	94
36) Benzene		3.664	78	1865504	50.295	ppbv	98
42) Bromodichloromethane		4.499	83	846413	29.087	ppbv	96
57) Chlorobenzene		8.933	112	1308615	39.019	ppbv	97
59) m/p-Xylene		9.542	91	1577519	36.070	ppbv	100
60) o-Xylene		9.976	91	2173699	49.739	ppbv	97
73) 1,3,5-Trimethylbenzene		11.212	105	1577511	36.711	ppbv	97
77) 1,2-Dichlorobenzene		11.953	146	966653	29.926	ppbv	99

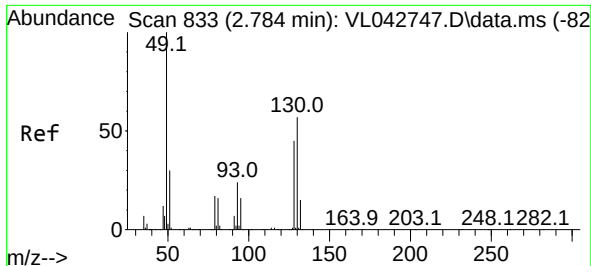
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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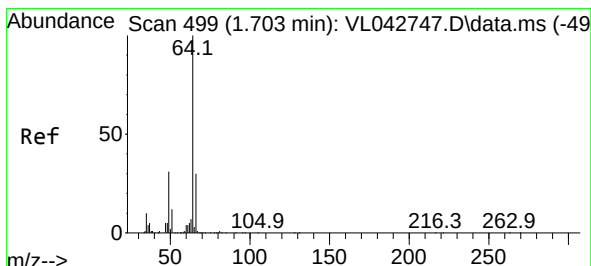
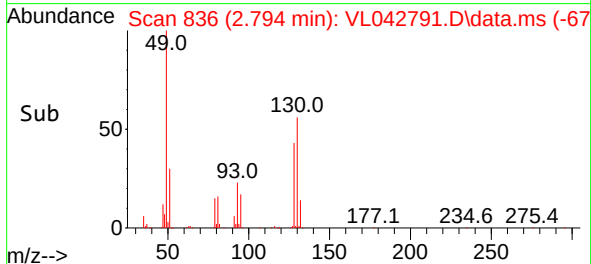
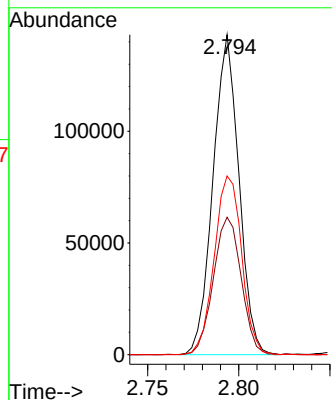
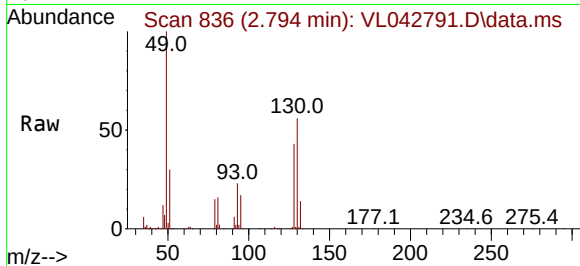




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.794 min Scan# 81
 Delta R.T. 0.010 min
 Lab File: VL042791.D
 Acq: 31 Jul 2025 12:03

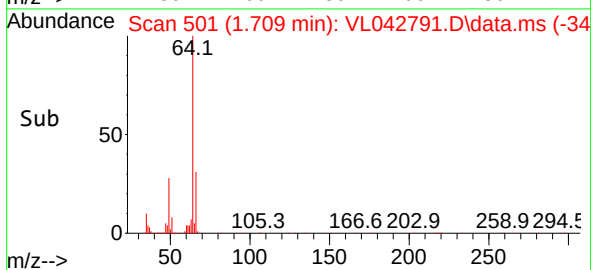
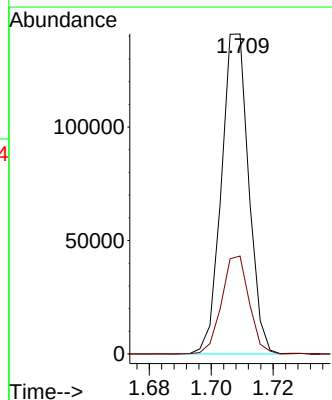
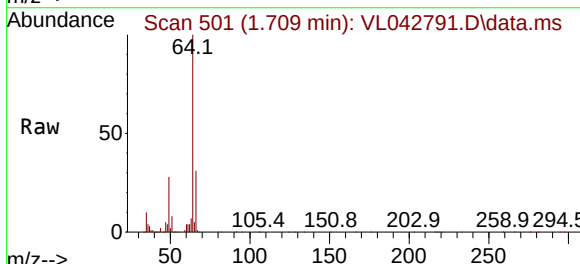
Instrument :
 MSVOA_L
 ClientSampleId :
 AE073-1100

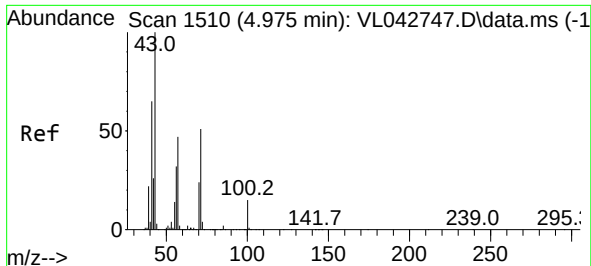
Tgt Ion: 49 Resp: 141472
 Ion Ratio Lower Upper
 49 100
 128 46.2 23.6 71.0
 130 59.3 30.3 90.8



#7
 Chloroethane
 Concen: 29.887 ppbv
 RT: 1.709 min Scan# 501
 Delta R.T. 0.007 min
 Lab File: VL042791.D
 Acq: 31 Jul 2025 12:03

Tgt Ion: 64 Resp: 86336
 Ion Ratio Lower Upper
 64 100
 66 30.6 24.1 36.1

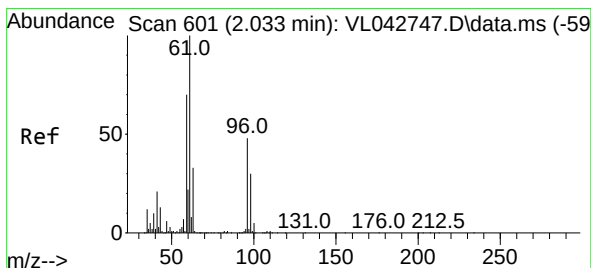
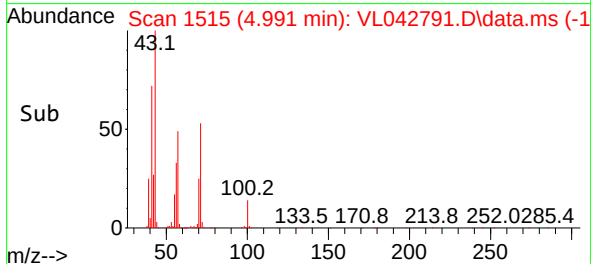
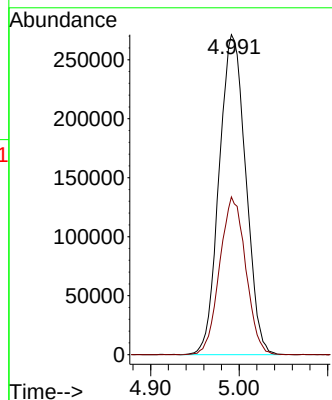
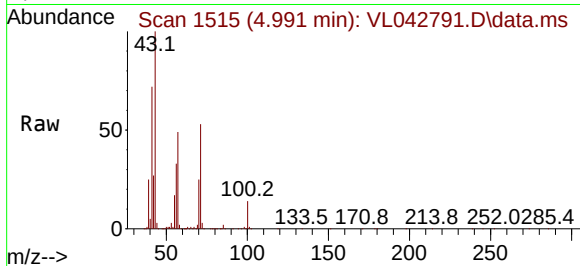




#10
 Heptane
 Concen: 23.711 ppbv
 RT: 4.991 min Scan# 11
 Delta R.T. 0.016 min
 Lab File: VL042791.D
 Acq: 31 Jul 2025 12:03

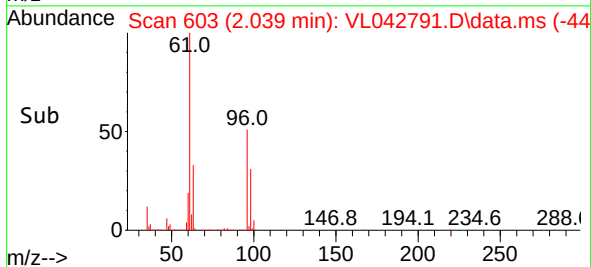
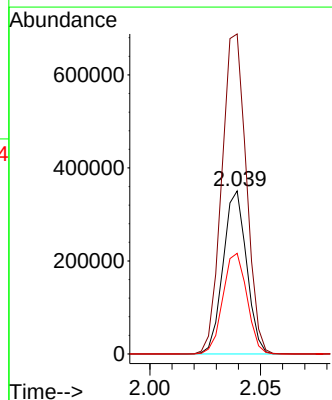
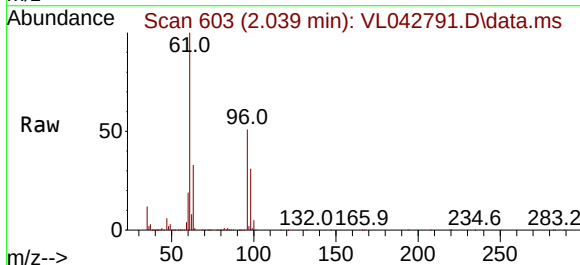
Instrument :
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 ClientSampleId :
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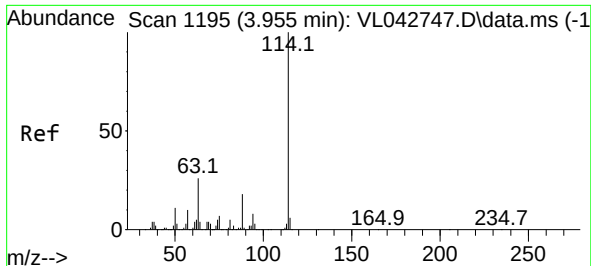
Tgt Ion: 43 Resp: 566179
 Ion Ratio Lower Upper
 43 100
 57 48.3 39.9 59.9



#18
 1,1-Dichloroethene
 Concen: 39.044 ppbv
 RT: 2.039 min Scan# 603
 Delta R.T. 0.007 min
 Lab File: VL042791.D
 Acq: 31 Jul 2025 12:03

Tgt Ion: 96 Resp: 258488
 Ion Ratio Lower Upper
 96 100
 61 196.3 165.8 248.6
 98 61.7 49.9 74.9

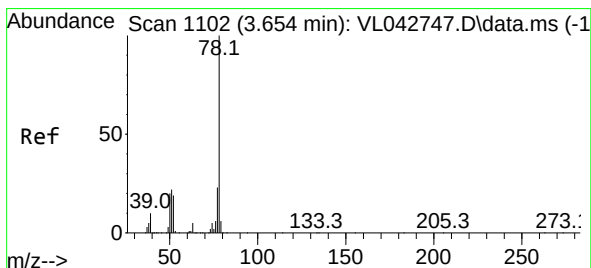
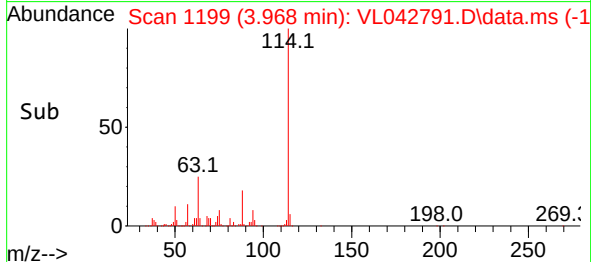
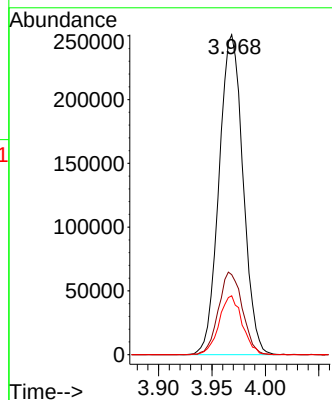
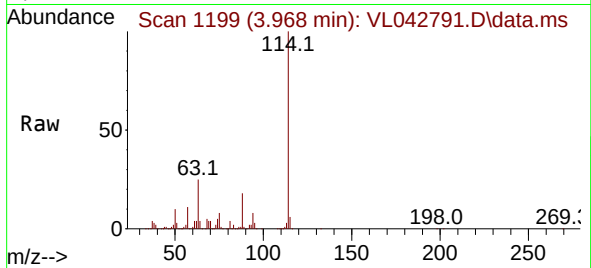




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.968 min Scan# 1199
 Delta R.T. 0.013 min
 Lab File: VL042791.D
 Acq: 31 Jul 2025 12:03

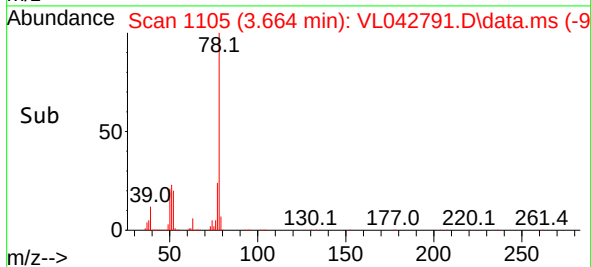
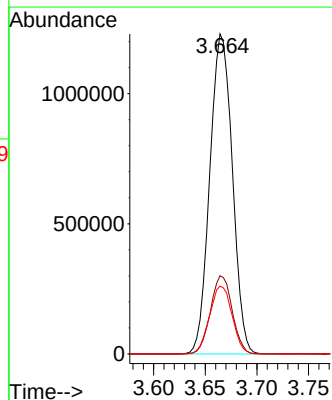
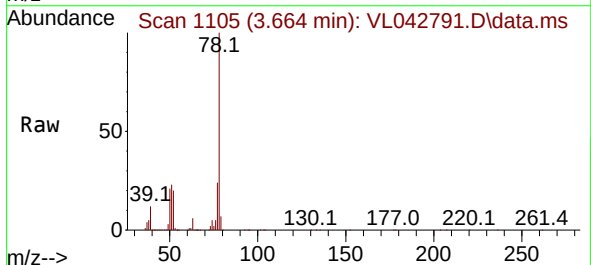
Instrument :
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 ClientSampleId :
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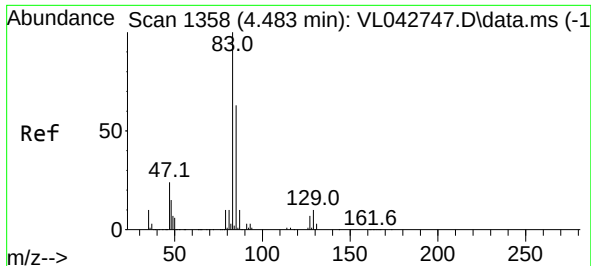
Tgt Ion:114 Resp: 391365
 Ion Ratio Lower Upper
 114 100
 63 25.7 20.5 30.7
 88 17.8 14.0 21.0



#36
 Benzene
 Concen: 50.295 ppbv
 RT: 3.664 min Scan# 1105
 Delta R.T. 0.010 min
 Lab File: VL042791.D
 Acq: 31 Jul 2025 12:03

Tgt Ion: 78 Resp: 1865504
 Ion Ratio Lower Upper
 78 100
 77 24.4 18.5 27.7
 50 21.2 16.2 24.2

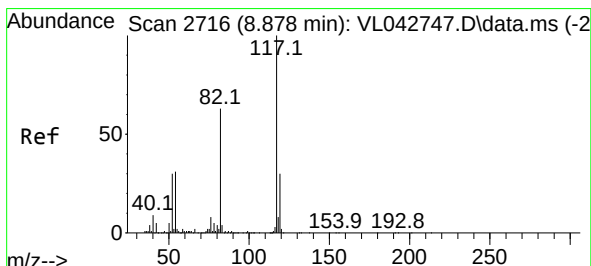
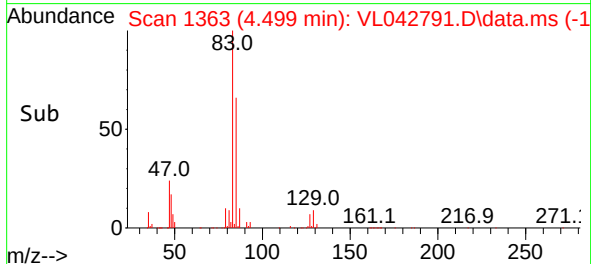
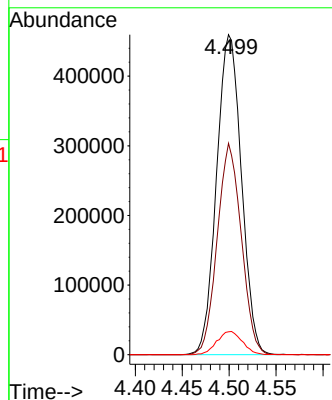
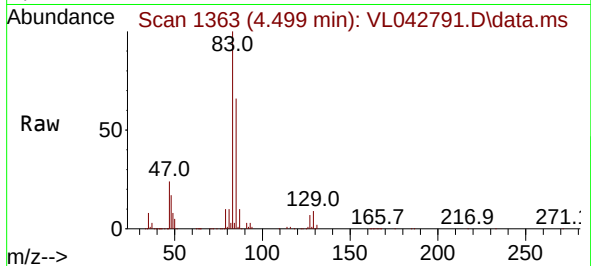




#42
 Bromodichloromethane
 Concen: 29.087 ppbv
 RT: 4.499 min Scan# 11
 Delta R.T. 0.016 min
 Lab File: VL042791.D
 Acq: 31 Jul 2025 12:03

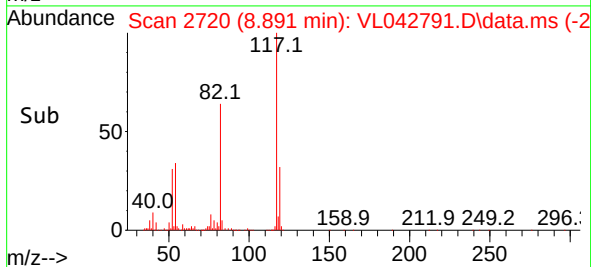
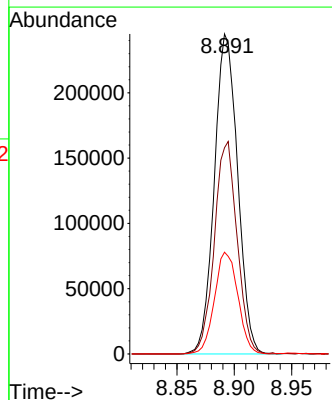
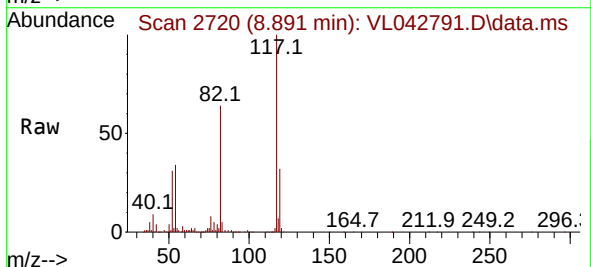
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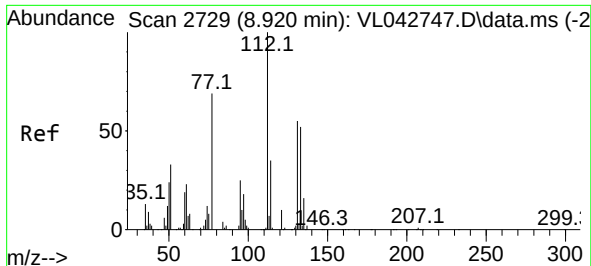
Tgt Ion: 83 Resp: 846413
 Ion Ratio Lower Upper
 83 100
 85 66.0 50.2 75.4
 127 7.2 5.4 8.2



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 8.891 min Scan# 2720
 Delta R.T. 0.013 min
 Lab File: VL042791.D
 Acq: 31 Jul 2025 12:03

Tgt Ion: 117 Resp: 346534
 Ion Ratio Lower Upper
 117 100
 82 64.9 53.3 79.9
 119 32.0 25.8 38.6

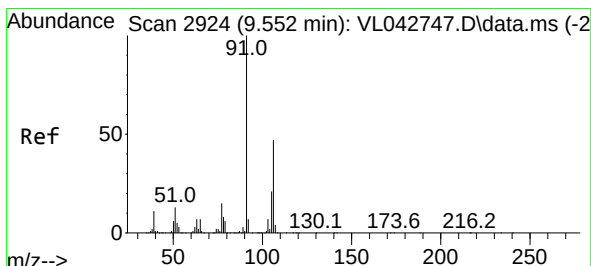
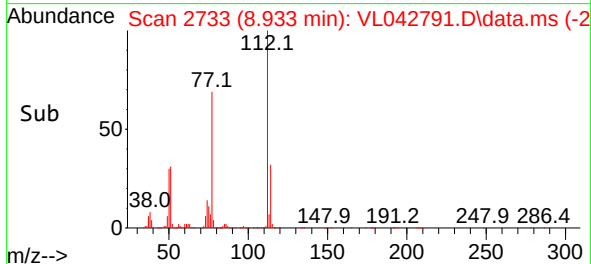
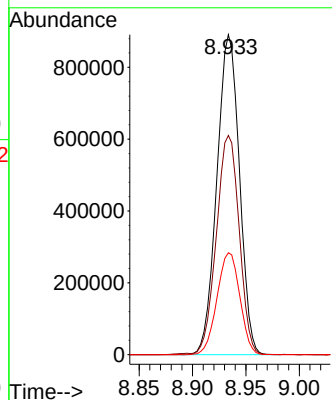
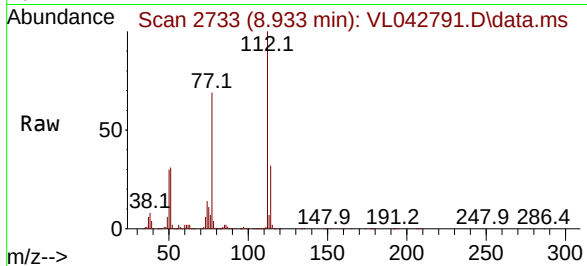




#57
Chlorobenzene
Concen: 39.019 ppbv
RT: 8.933 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL042791.D
Acq: 31 Jul 2025 12:03

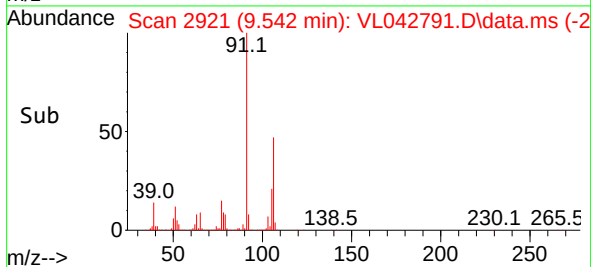
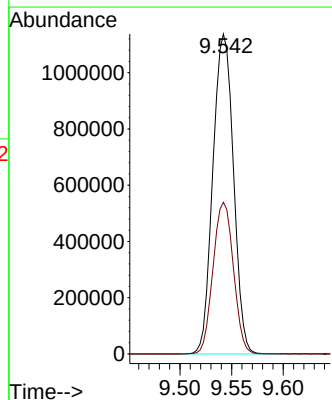
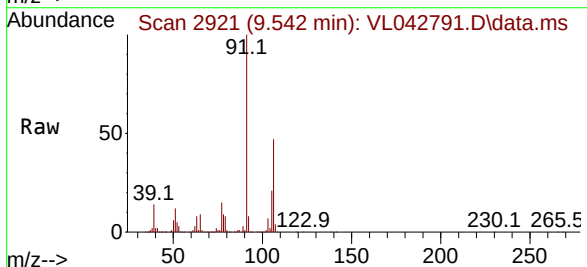
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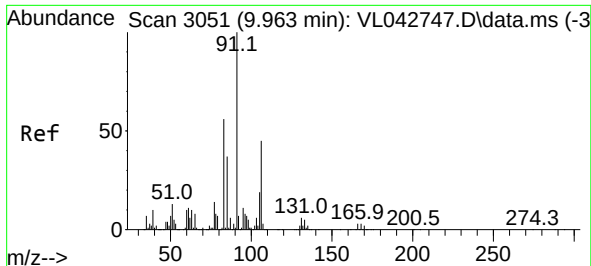
Tgt Ion:112 Resp: 1308615
Ion Ratio Lower Upper
112 100
77 68.4 56.4 84.6
114 31.8 31.2 38.2



#59
m/p-Xylene
Concen: 36.070 ppbv
RT: 9.542 min Scan# 2921
Delta R.T. -0.010 min
Lab File: VL042791.D
Acq: 31 Jul 2025 12:03

Tgt Ion: 91 Resp: 1577519
Ion Ratio Lower Upper
91 100
106 46.9 37.4 56.2

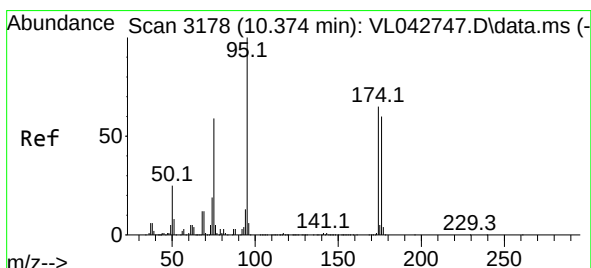
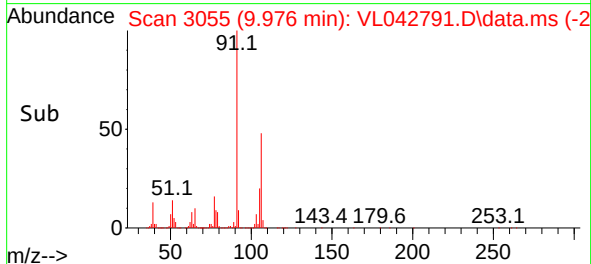
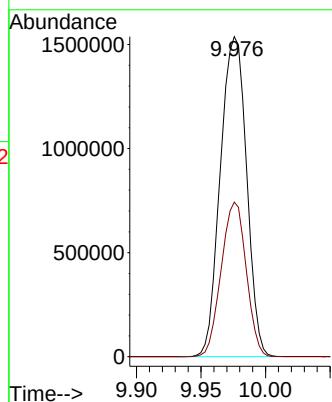
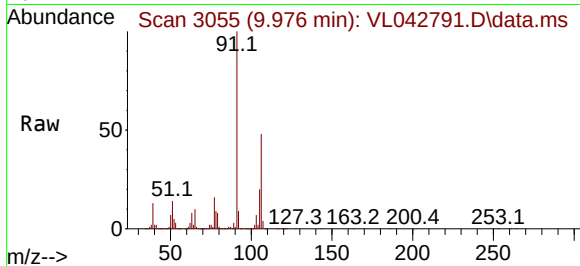




#60
o-Xylene
Concen: 49.739 ppbv
RT: 9.976 min Scan# 3051
Delta R.T. 0.013 min
Lab File: VL042791.D
Acq: 31 Jul 2025 12:03

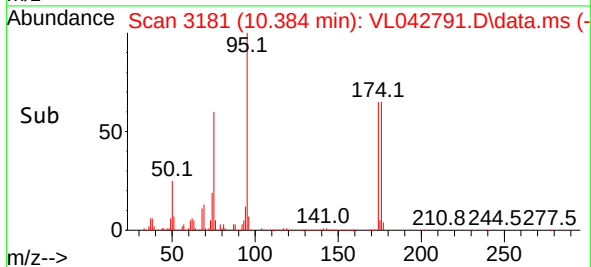
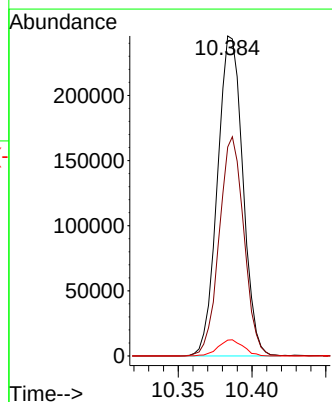
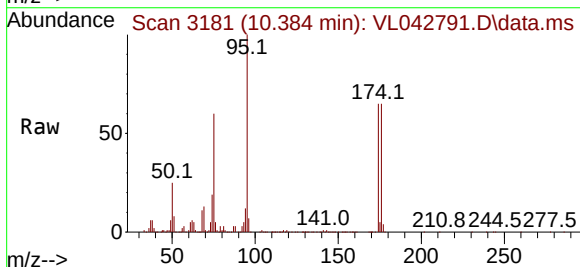
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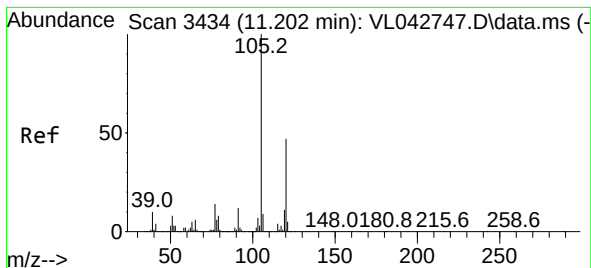
Tgt Ion: 91 Resp: 2173699
Ion Ratio Lower Upper
91 100
106 46.1 22.0 66.0



#68
1-Bromo-4-Fluorobenzene
Concen: 10.705 ppbv
RT: 10.384 min Scan# 3181
Delta R.T. 0.010 min
Lab File: VL042791.D
Acq: 31 Jul 2025 12:03

Tgt Ion: 95 Resp: 293791
Ion Ratio Lower Upper
95 100
174 66.9 53.8 80.6
175 5.0 4.0 6.0





#73

1,3,5-Trimethylbenzene

Concen: 36.711 ppbv

RT: 11.212 min Scan# 34

Delta R.T. 0.010 min

Lab File: VL042791.D

Acq: 31 Jul 2025 12:03

Instrument :

MSVOA_L

ClientSampleId :

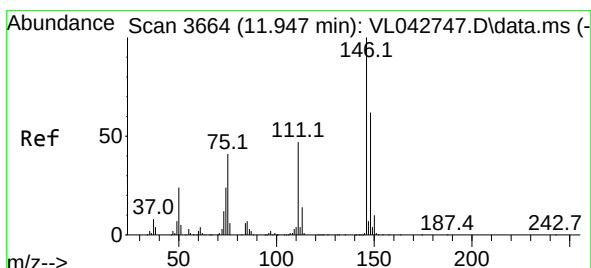
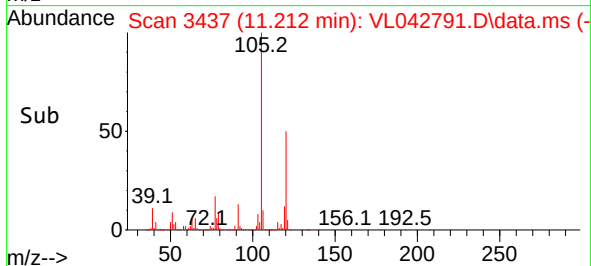
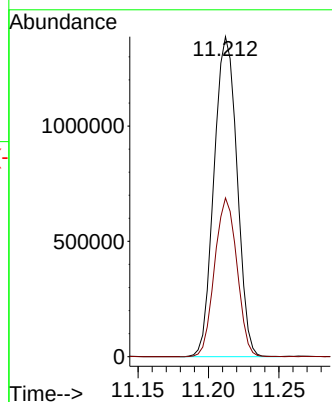
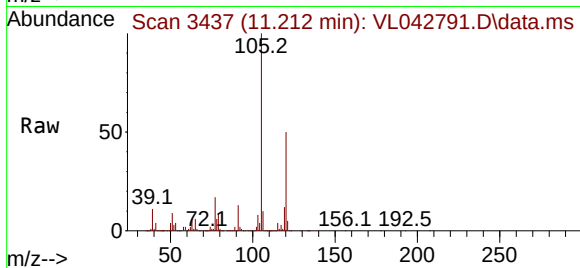
AE073-1100

Tgt Ion:105 Resp: 1577511

Ion Ratio Lower Upper

105 100

120 49.6 37.8 56.8



#77

1,2-Dichlorobenzene

Concen: 29.926 ppbv

RT: 11.953 min Scan# 3666

Delta R.T. 0.007 min

Lab File: VL042791.D

Acq: 31 Jul 2025 12:03

Tgt Ion:146 Resp: 966653

Ion Ratio Lower Upper

146 100

111 47.2 23.7 71.1

148 63.8 32.6 97.7

