

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073125\
 Data File : VL042792.D
 Acq On : 31 Jul 2025 12:39
 Operator : SY/MD
 Sample : Q2727-01DL 2X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AE073-1100DL

Quant Time: Aug 01 01:14:44 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)

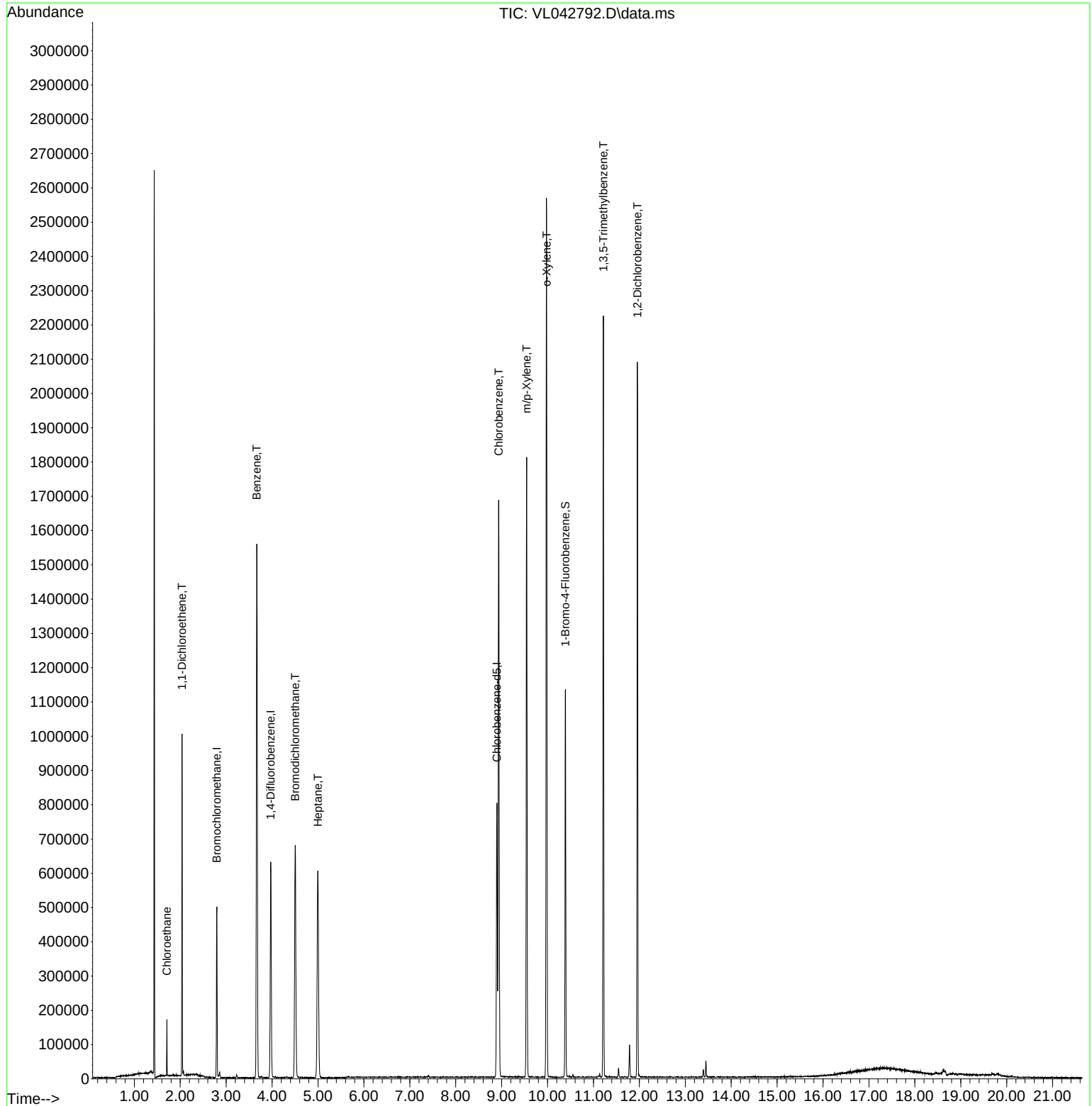
Internal Standards							
1) Bromochloromethane		2.797	49	136777	10.000	ppbv	0.01
33) 1,4-Difluorobenzene		3.968	114	371224	10.000	ppbv	0.01
55) Chlorobenzene-d5		8.898	117	324625	10.000	ppbv	0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene		10.387	95	273294	10.631	ppbv	0.01
Spiked Amount		10.000	Range	65 - 135	Recovery	= 106.300%	
Target Compounds							
							Qvalue
7) Chloroethane		1.709	64	40627	14.547	ppbv	99
10) Heptane		4.994	43	268880	11.647	ppbv	97
18) 1,1-Dichloroethene		2.039	96	125059	19.538	ppbv	98
36) Benzene		3.667	78	961979	27.343	ppbv	99
42) Bromodichloromethane		4.506	83	411940	14.924	ppbv	98
57) Chlorobenzene		8.936	112	660376	21.020	ppbv	96
59) m/p-Xylene		9.545	91	785341	19.169	ppbv	98
60) o-Xylene		9.979	91	1150446	28.101	ppbv	100
73) 1,3,5-Trimethylbenzene		11.215	105	788778	19.595	ppbv	100
77) 1,2-Dichlorobenzene		11.956	146	471076	15.568	ppbv	99

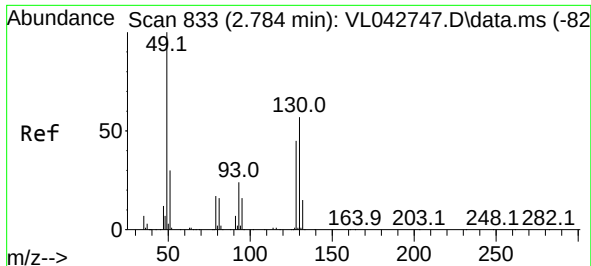
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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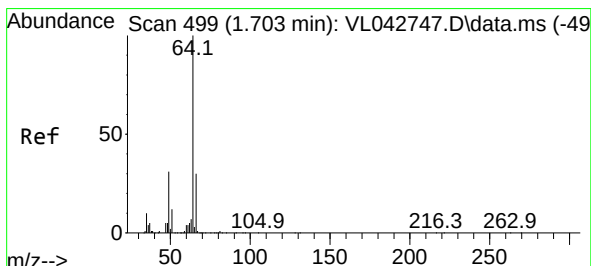
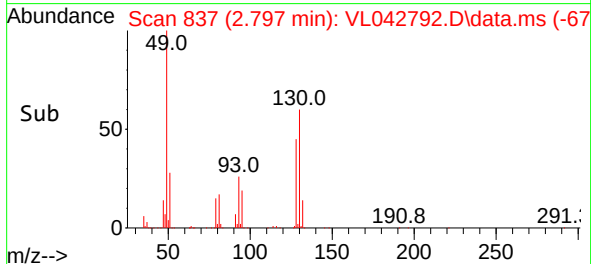
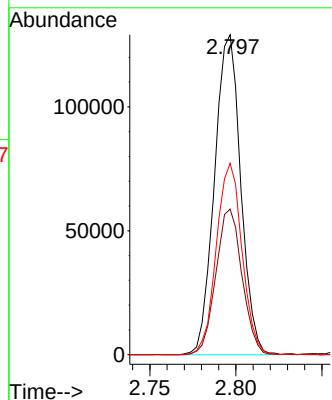
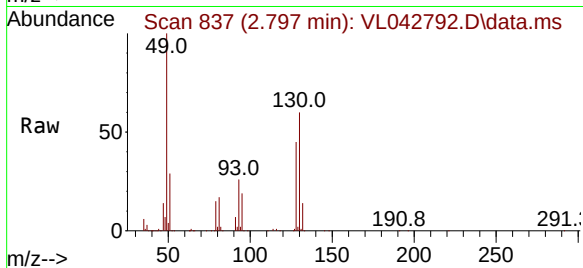




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 81
Delta R.T. 0.013 min
Lab File: VL042792.D
Acq: 31 Jul 2025 12:39

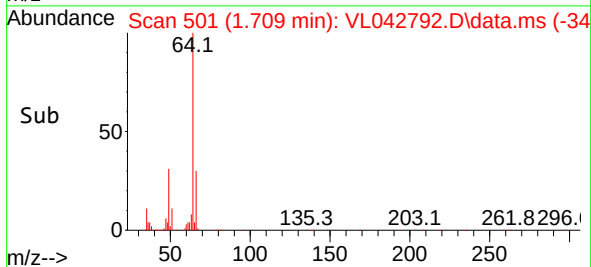
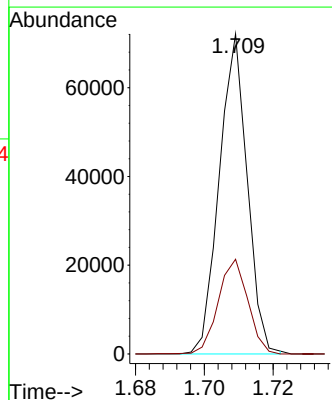
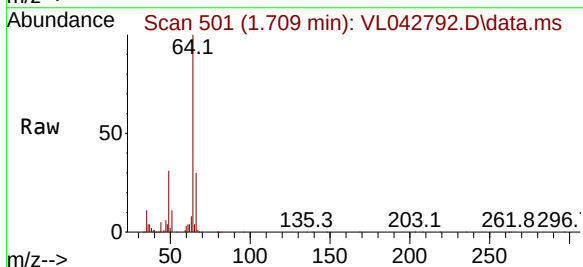
Instrument :
MSVOA_L
ClientSampleId :
AE073-1100DL

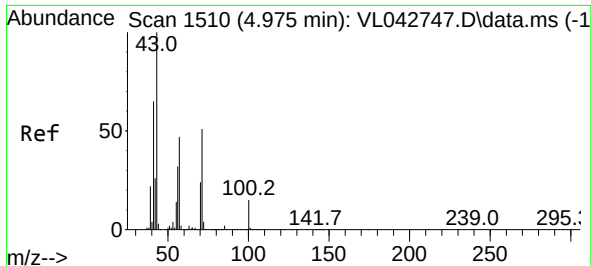
Tgt Ion: 49 Resp: 136777
Ion Ratio Lower Upper
49 100
128 45.5 23.6 71.0
130 58.8 30.3 90.8



#7
Chloroethane
Concen: 14.547 ppbv
RT: 1.709 min Scan# 501
Delta R.T. 0.006 min
Lab File: VL042792.D
Acq: 31 Jul 2025 12:39

Tgt Ion: 64 Resp: 40627
Ion Ratio Lower Upper
64 100
66 29.6 24.1 36.1

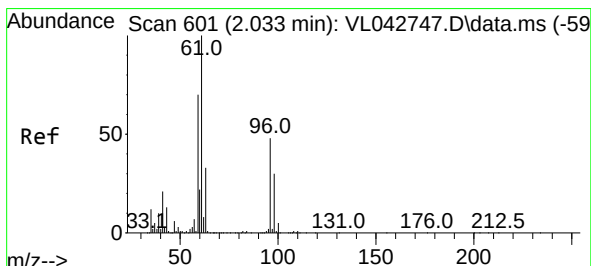
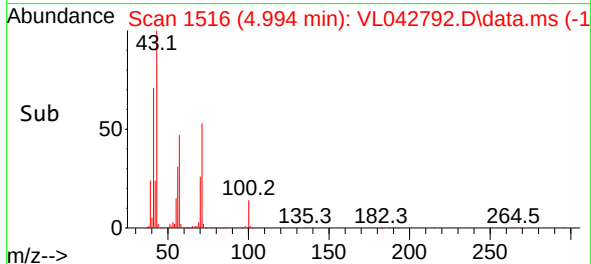
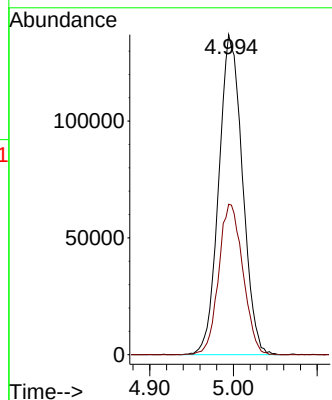
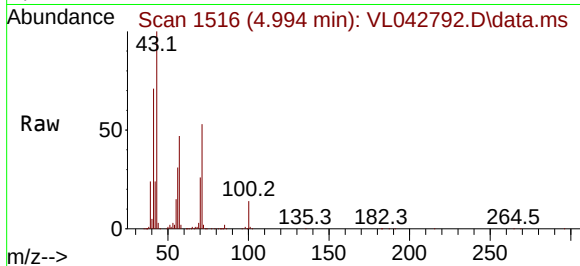




#10
Heptane
Concen: 11.647 ppbv
RT: 4.994 min Scan# 11
Delta R.T. 0.019 min
Lab File: VL042792.D
Acq: 31 Jul 2025 12:39

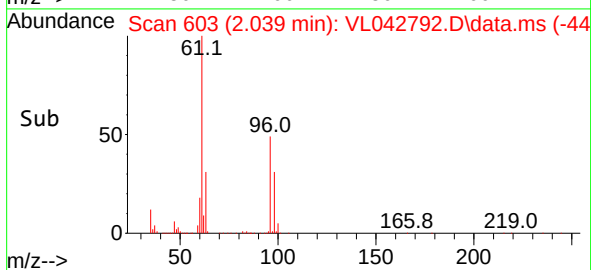
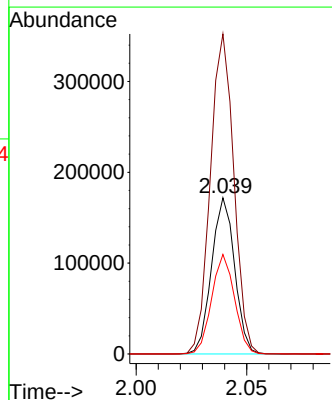
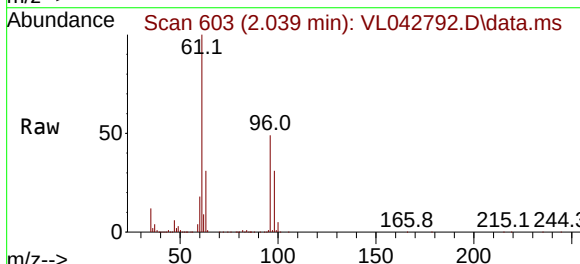
Instrument :
MSVOA_L
ClientSampleId :
AE073-1100DL

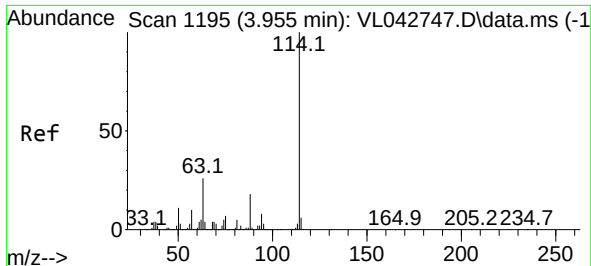
Tgt Ion: 43 Resp: 268880
Ion Ratio Lower Upper
43 100
57 48.0 39.9 59.9



#18
1,1-Dichloroethene
Concen: 19.538 ppbv
RT: 2.039 min Scan# 603
Delta R.T. 0.006 min
Lab File: VL042792.D
Acq: 31 Jul 2025 12:39

Tgt Ion: 96 Resp: 125059
Ion Ratio Lower Upper
96 100
61 204.8 165.8 248.6
98 63.7 49.9 74.9

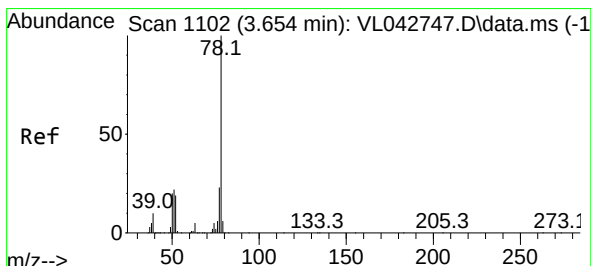
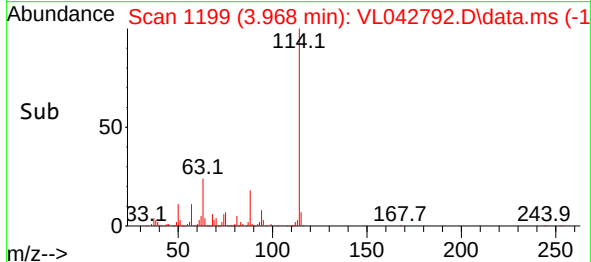
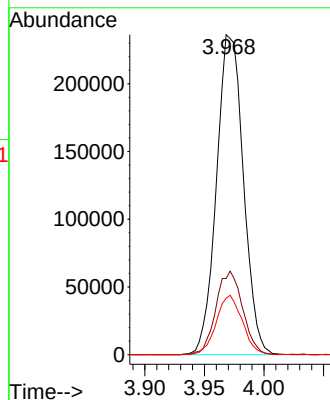
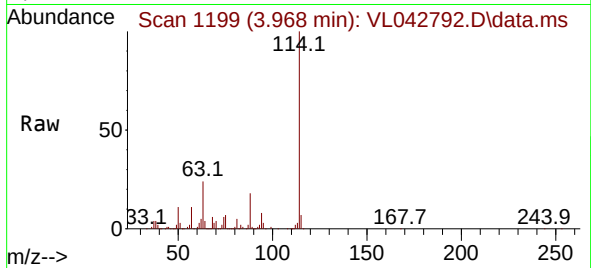




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.968 min Scan# 1195
Delta R.T. 0.013 min
Lab File: VL042792.D
Acq: 31 Jul 2025 12:39

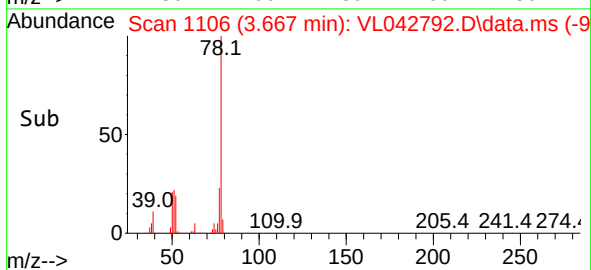
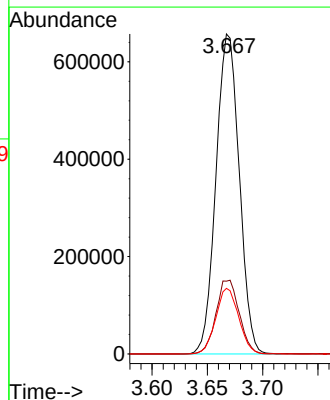
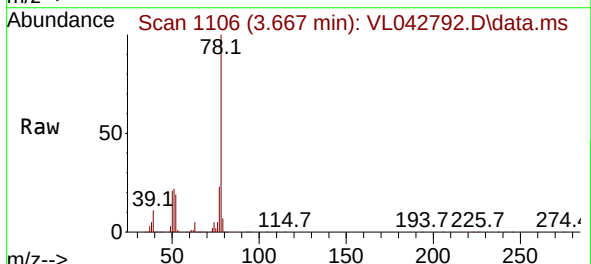
Instrument :
MSVOA_L
ClientSampleId :
AE073-1100DL

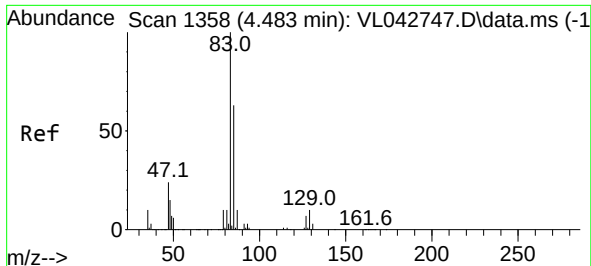
Tgt Ion:114 Resp: 371224
Ion Ratio Lower Upper
114 100
63 25.9 20.5 30.7
88 18.0 14.0 21.0



#36
Benzene
Concen: 27.343 ppbv
RT: 3.667 min Scan# 1106
Delta R.T. 0.013 min
Lab File: VL042792.D
Acq: 31 Jul 2025 12:39

Tgt Ion: 78 Resp: 961979
Ion Ratio Lower Upper
78 100
77 22.8 18.5 27.7
50 20.5 16.2 24.2

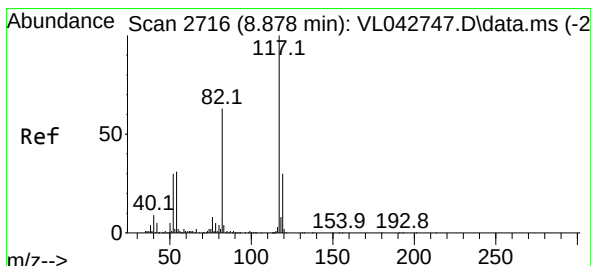
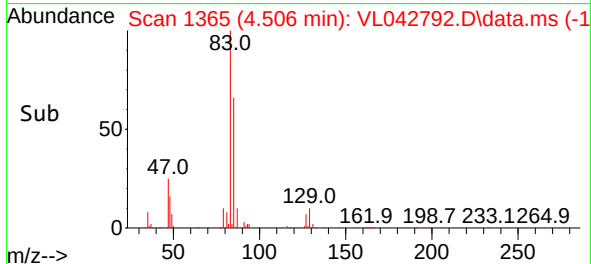
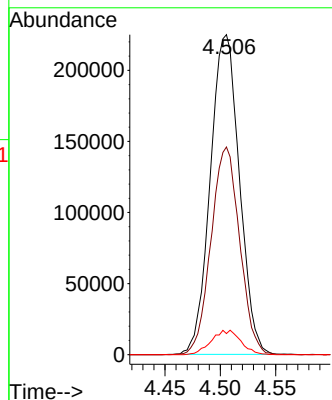
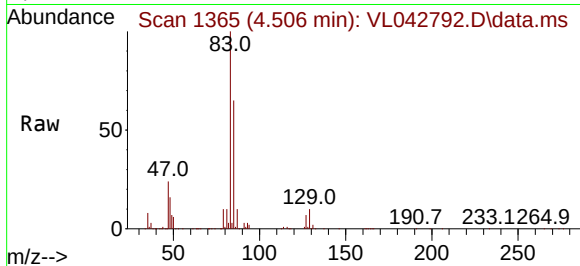




#42
Bromodichloromethane
Concen: 14.924 ppbv
RT: 4.506 min Scan# 11
Delta R.T. 0.022 min
Lab File: VL042792.D
Acq: 31 Jul 2025 12:39

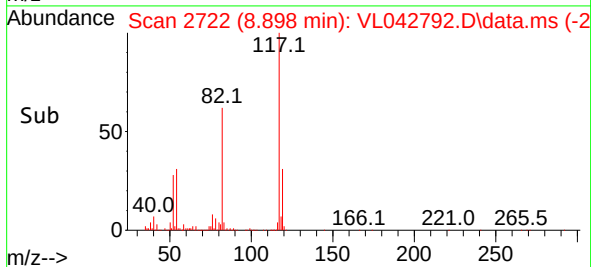
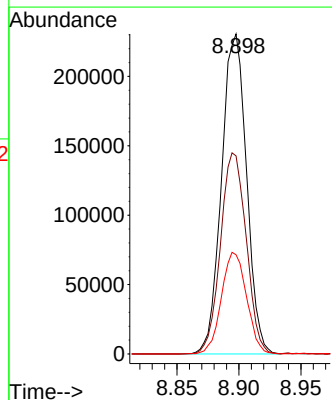
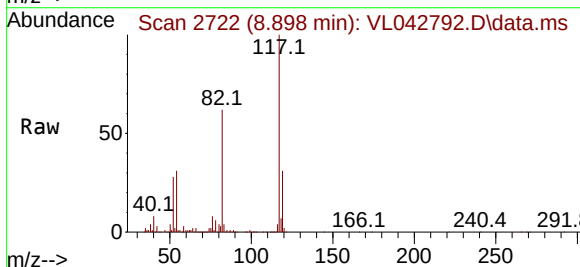
Instrument :
MSVOA_L
ClientSampleId :
AE073-1100DL

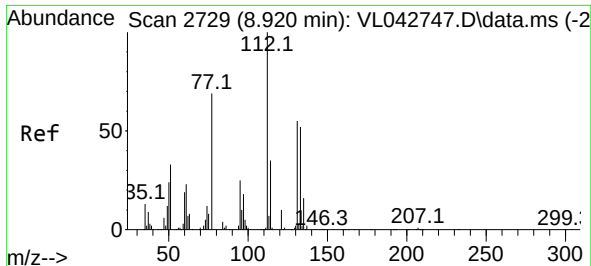
Tgt Ion: 83 Resp: 411940
Ion Ratio Lower Upper
83 100
85 64.8 50.2 75.4
127 6.6 5.4 8.2



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.898 min Scan# 2722
Delta R.T. 0.019 min
Lab File: VL042792.D
Acq: 31 Jul 2025 12:39

Tgt Ion: 117 Resp: 324625
Ion Ratio Lower Upper
117 100
82 64.8 53.3 79.9
119 32.1 25.8 38.6





#57

Chlorobenzene

Concen: 21.020 ppbv

RT: 8.936 min Scan# 21

Delta R.T. 0.016 min

Lab File: VL042792.D

Acq: 31 Jul 2025 12:39

Instrument :

MSVOA_L

ClientSampleId :

AE073-1100DL

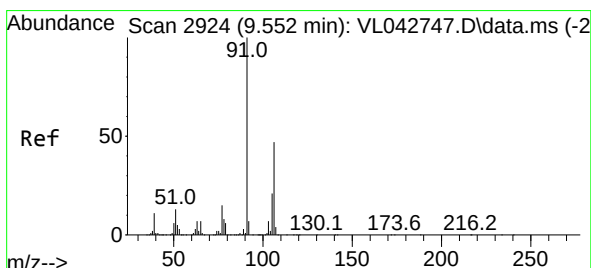
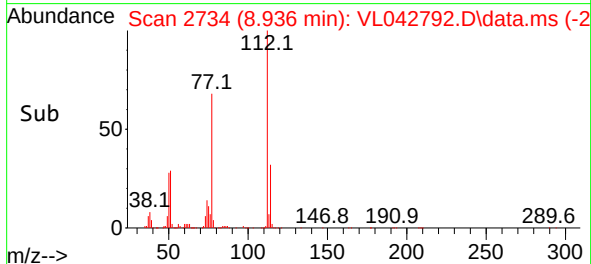
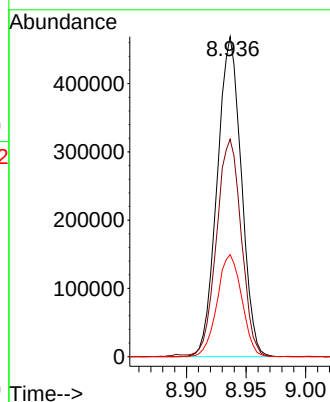
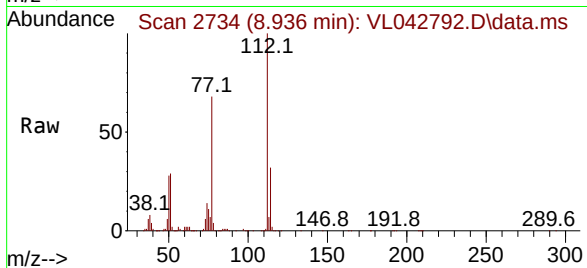
Tgt Ion:112 Resp: 660376

Ion Ratio Lower Upper

112 100

77 67.9 56.4 84.6

114 31.9 31.2 38.2



#59

m/p-Xylene

Concen: 19.169 ppbv

RT: 9.545 min Scan# 2922

Delta R.T. -0.007 min

Lab File: VL042792.D

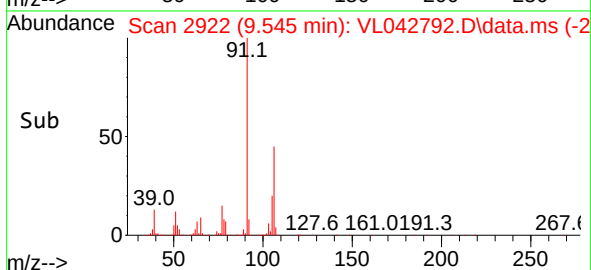
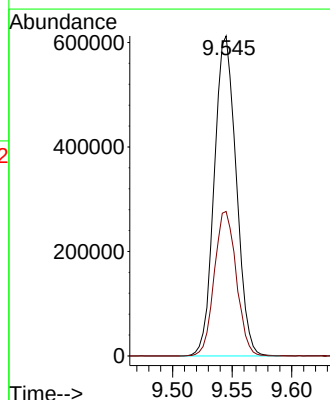
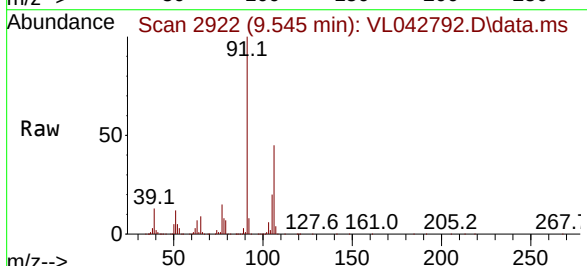
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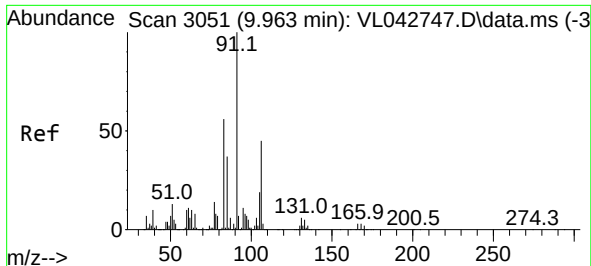
Tgt Ion: 91 Resp: 785341

Ion Ratio Lower Upper

91 100

106 45.3 37.4 56.2

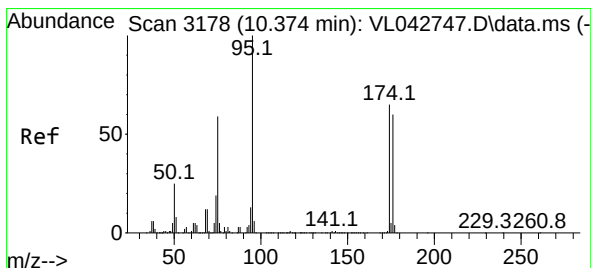
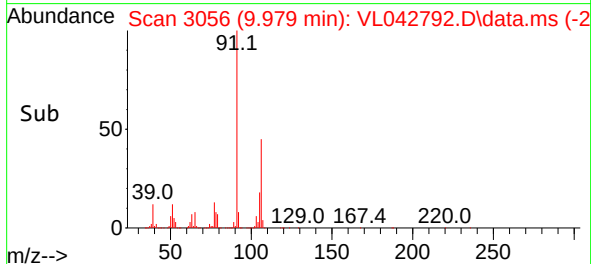
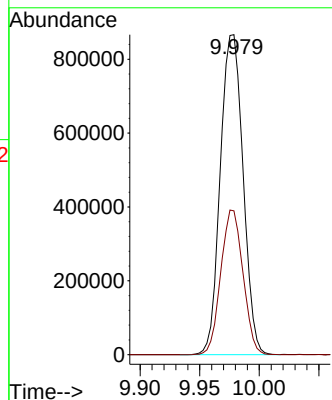
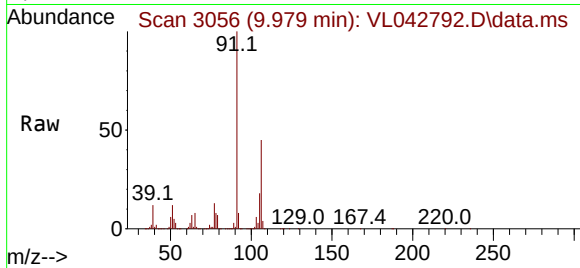




#60
o-Xylene
Concen: 28.101 ppbv
RT: 9.979 min Scan# 3051
Delta R.T. 0.016 min
Lab File: VL042792.D
Acq: 31 Jul 2025 12:39

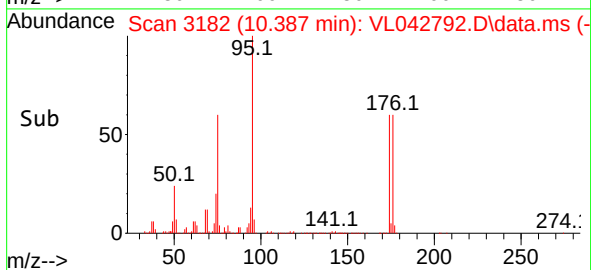
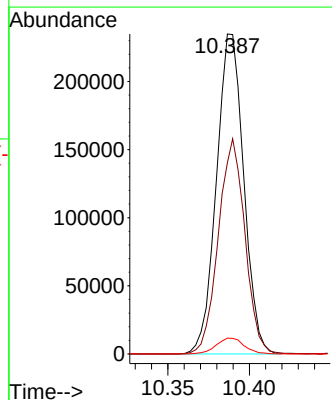
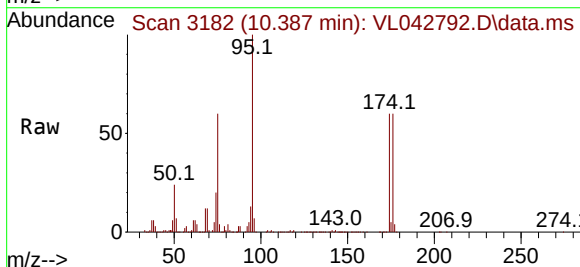
Instrument :
MSVOA_1
ClientSampleId :
AE073-1100DL

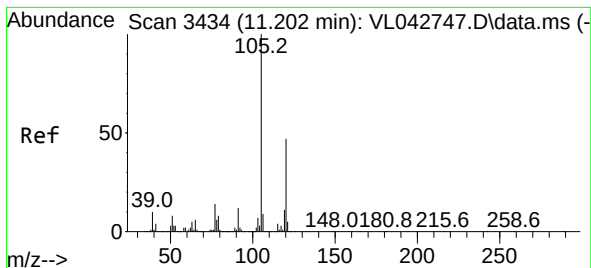
Tgt Ion: 91 Resp: 1150446
Ion Ratio Lower Upper
91 100
106 44.1 22.0 66.0



#68
1-Bromo-4-Fluorobenzene
Concen: 10.631 ppbv
RT: 10.387 min Scan# 3182
Delta R.T. 0.013 min
Lab File: VL042792.D
Acq: 31 Jul 2025 12:39

Tgt Ion: 95 Resp: 273294
Ion Ratio Lower Upper
95 100
174 65.4 53.8 80.6
175 5.1 4.0 6.0





#73

1,3,5-Trimethylbenzene

Concen: 19.595 ppbv

RT: 11.215 min Scan# 34

Delta R.T. 0.013 min

Lab File: VL042792.D

Acq: 31 Jul 2025 12:39

Instrument :

MSVOA_L

ClientSampleId :

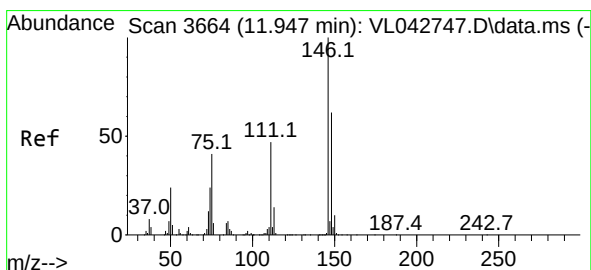
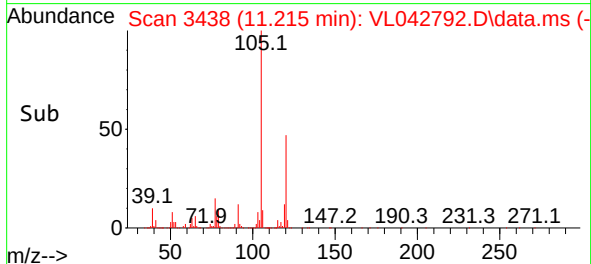
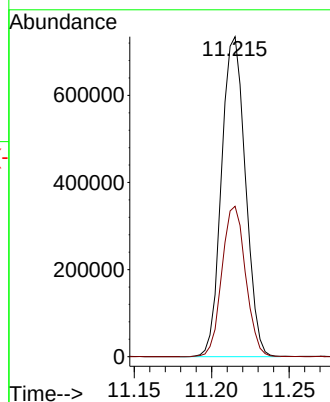
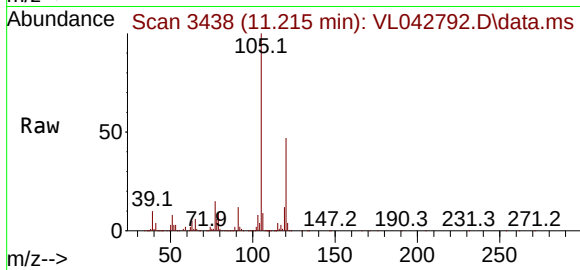
AE073-1100DL

Tgt Ion:105 Resp: 788778

Ion Ratio Lower Upper

105 100

120 47.0 37.8 56.8



#77

1,2-Dichlorobenzene

Concen: 15.568 ppbv

RT: 11.956 min Scan# 3667

Delta R.T. 0.010 min

Lab File: VL042792.D

Acq: 31 Jul 2025 12:39

Tgt Ion:146 Resp: 471076

Ion Ratio Lower Upper

146 100

111 47.1 23.7 71.1

148 64.3 32.6 97.7

