

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
 Data File : VL042852.D
 Acq On : 13 Aug 2025 15:10
 Operator : SY/MD
 Sample : Q2727-01DL2 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AE073-1100DL2

Quant Time: Aug 14 02:46:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Aug 14 02:12:54 2025
 Response via : Initial Calibration

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

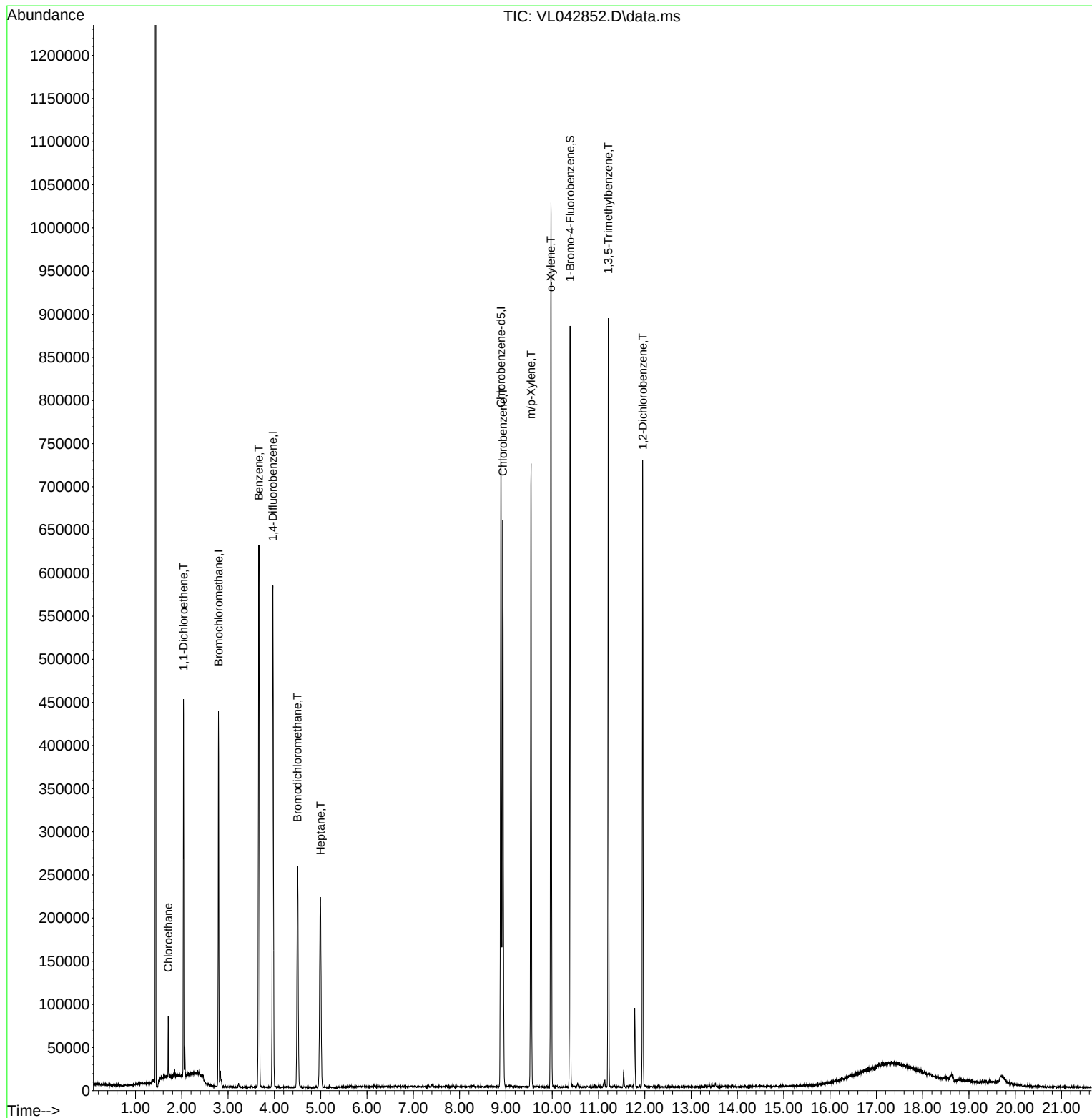
Internal Standards						
1) Bromochloromethane	2.794	49	118347	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.969	114	364683	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.892	117	318426	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	237748	9.956	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.600%
Target Compounds						
					Qvalue	
7) Chloroethane	1.706	64	18906	7.023	ppbv	98
10) Heptane	4.995	43	106371	4.797	ppbv	100
18) 1,1-Dichloroethene	2.040	96	58452	9.748	ppbv	93
36) Benzene	3.664	78	407528	11.670	ppbv	99
42) Bromodichloromethane	4.499	83	165750	6.097	ppbv	98
57) Chlorobenzene	8.934	112	271358	8.963	ppbv	98
59) m/p-Xylene	9.542	91	337995	7.674	ppbv #	100
60) o-Xylene	9.973	91	493555	11.140	ppbv	99
73) 1,3,5-Trimethylbenzene	11.212	105	331987	7.269	ppbv	98
77) 1,2-Dichlorobenzene	11.957	146	167278	5.994	ppbv	99

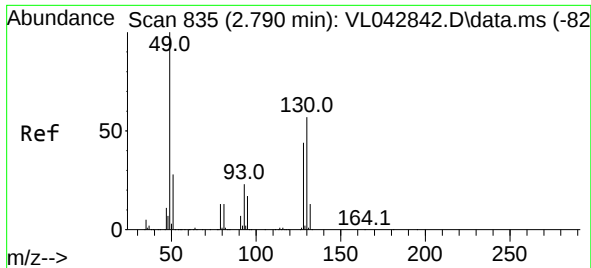
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042852.D
Acq On : 13 Aug 2025 15:10
Operator : SY/MD
Sample : Q2727-01DL2 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
AE073-1100DL2

Quant Time: Aug 14 02:46:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Thu Aug 14 02:12:54 2025
Response via : Initial Calibration

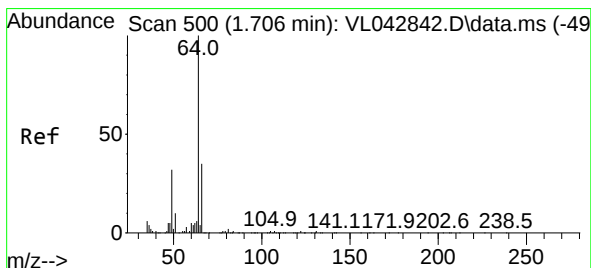
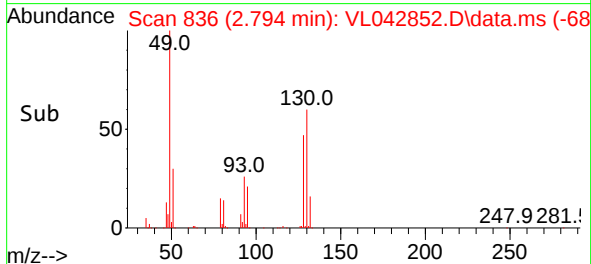
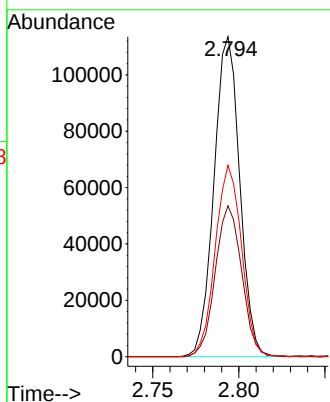
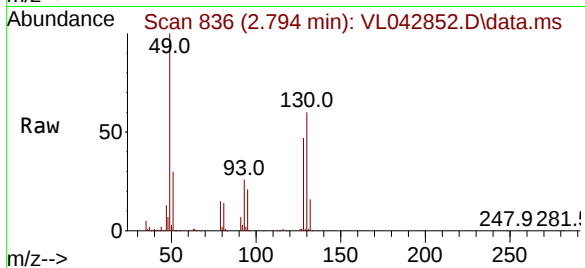




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 81
Delta R.T. 0.004 min
Lab File: VL042852.D
Acq: 13 Aug 2025 15:10

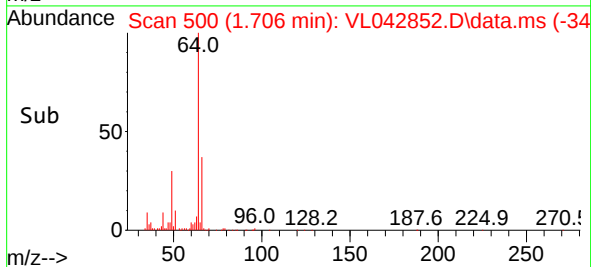
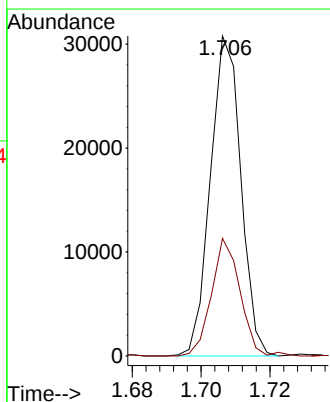
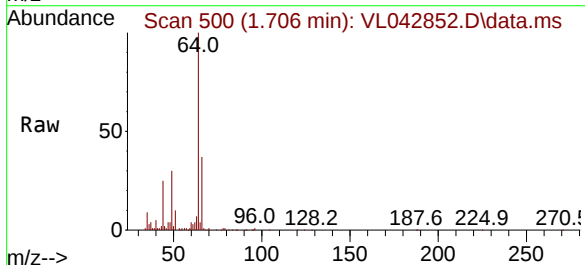
Instrument :
MSVOA_L
ClientSampleId :
AE073-1100DL2

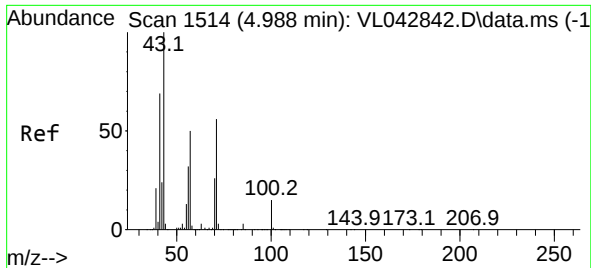
Tgt Ion: 49 Resp: 118347
Ion Ratio Lower Upper
49 100
128 48.5 23.7 71.1
130 61.0 30.6 91.6



#7
Chloroethane
Concen: 7.023 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.000 min
Lab File: VL042852.D
Acq: 13 Aug 2025 15:10

Tgt Ion: 64 Resp: 18906
Ion Ratio Lower Upper
64 100
66 36.8 28.6 42.8





#10

Heptane

Concen: 4.797 ppbv

RT: 4.995 min Scan# 11

Delta R.T. 0.007 min

Lab File: VL042852.D

Acq: 13 Aug 2025 15:10

Instrument :

MSVOA_L

ClientSampleId :

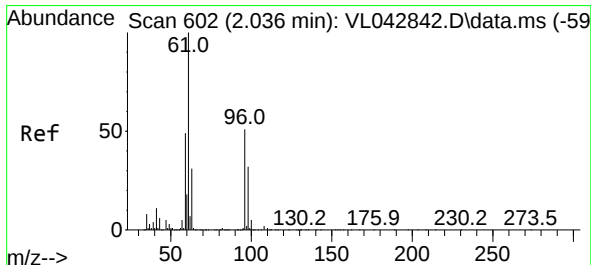
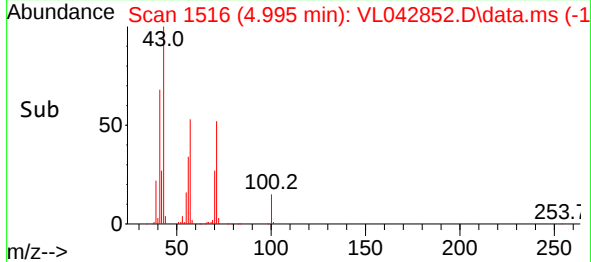
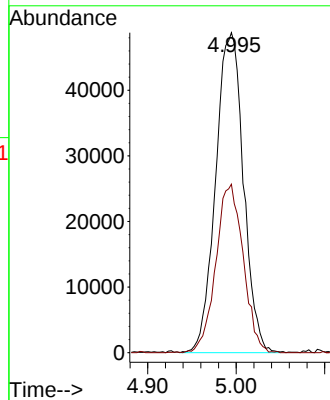
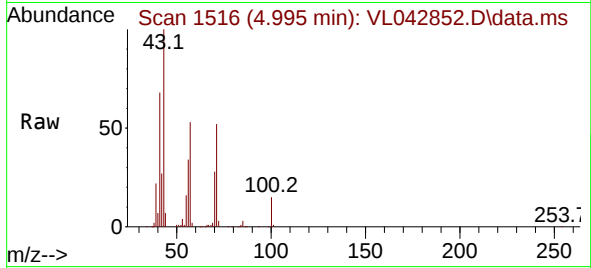
AE073-1100DL2

Tgt Ion: 43 Resp: 106371

Ion Ratio Lower Upper

43 100

57 51.8 41.4 62.0



#18

1,1-Dichloroethene

Concen: 9.748 ppbv

RT: 2.040 min Scan# 603

Delta R.T. 0.003 min

Lab File: VL042852.D

Acq: 13 Aug 2025 15:10

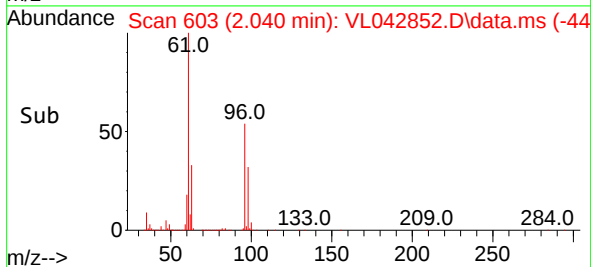
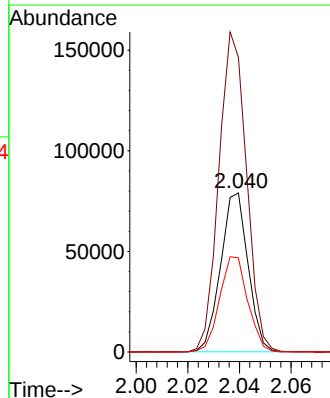
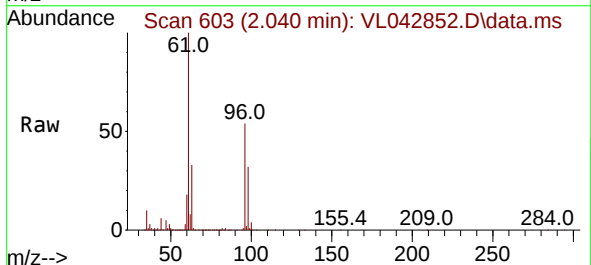
Tgt Ion: 96 Resp: 58452

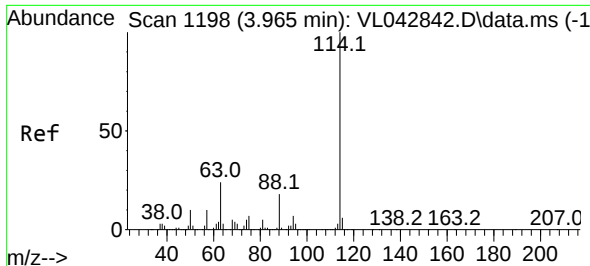
Ion Ratio Lower Upper

96 100

61 185.5 158.2 237.4

98 59.2 50.6 76.0

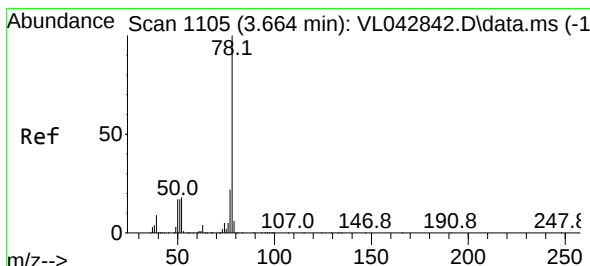
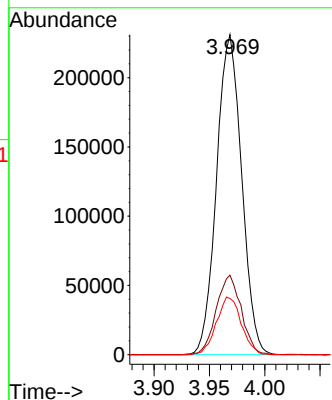
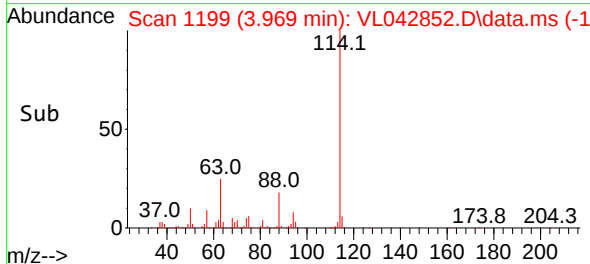
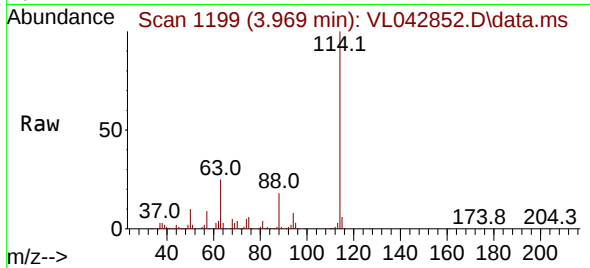




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.969 min Scan# 1199
 Delta R.T. 0.003 min
 Lab File: VL042852.D
 Acq: 13 Aug 2025 15:10

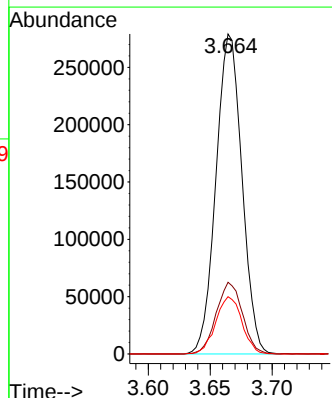
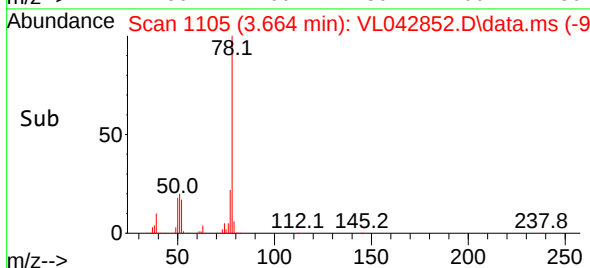
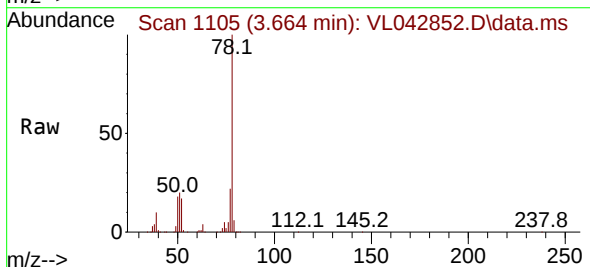
Instrument :
 MSVOA_L
 ClientSampleId :
 AE073-1100DL2

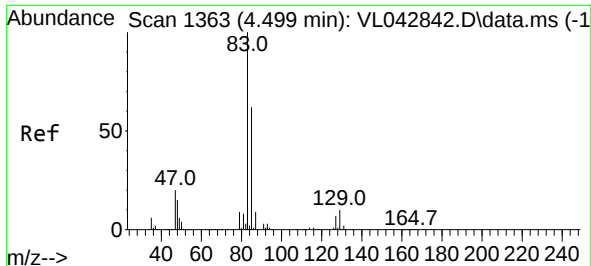
Tgt Ion: 114 Resp: 364683
 Ion Ratio Lower Upper
 114 100
 63 24.7 19.7 29.5
 88 17.8 14.4 21.6



#36
 Benzene
 Concen: 11.670 ppbv
 RT: 3.664 min Scan# 1105
 Delta R.T. 0.000 min
 Lab File: VL042852.D
 Acq: 13 Aug 2025 15:10

Tgt Ion: 78 Resp: 407528
 Ion Ratio Lower Upper
 78 100
 77 22.4 17.7 26.5
 50 17.9 13.9 20.9

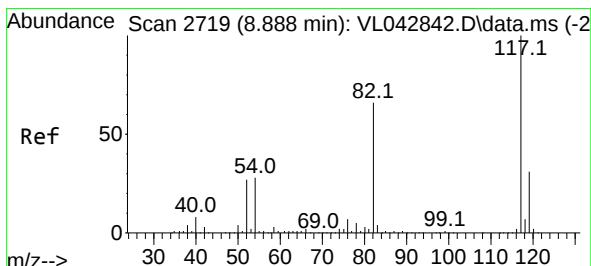
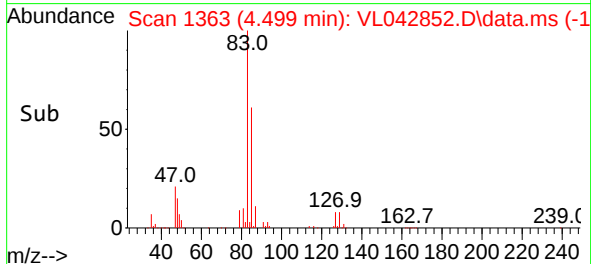
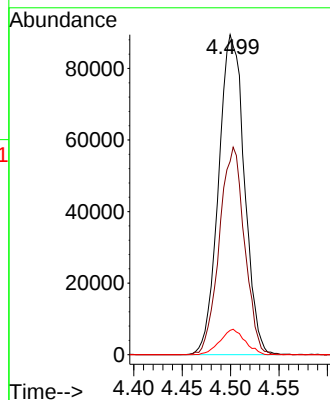
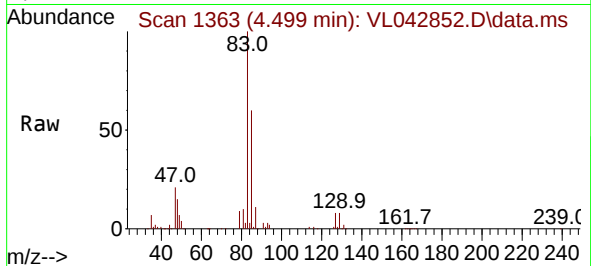




#42
Bromodichloromethane
Concen: 6.097 ppbv
RT: 4.499 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL042852.D
Acq: 13 Aug 2025 15:10

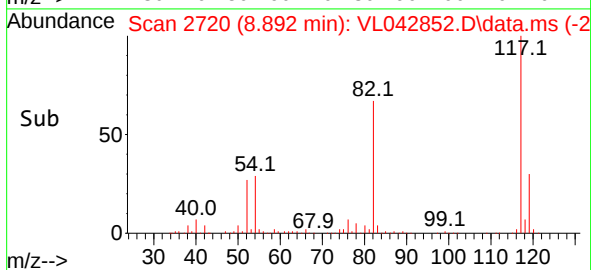
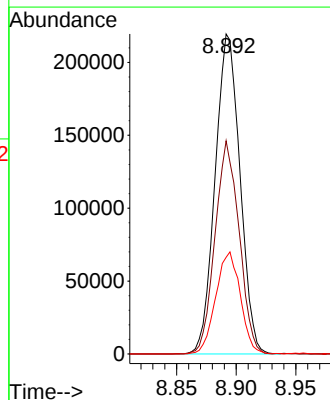
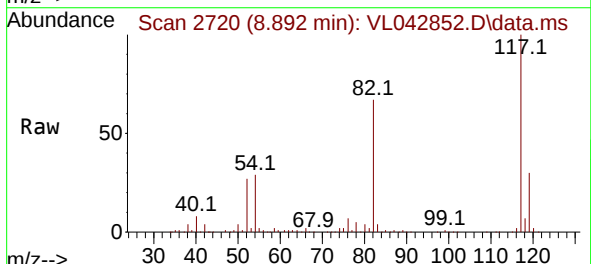
Instrument :
MSVOA_1
ClientSampleId :
AE073-1100DL2

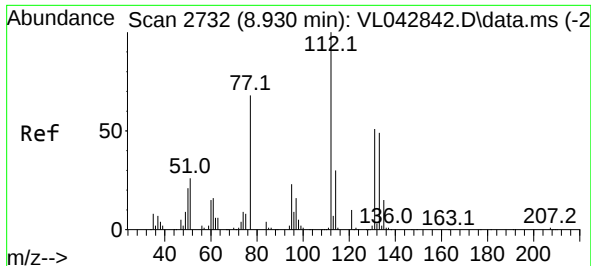
Tgt Ion: 83 Resp: 165750
Ion Ratio Lower Upper
83 100
85 60.4 49.8 74.8
127 7.6 5.8 8.6



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.892 min Scan# 2720
Delta R.T. 0.003 min
Lab File: VL042852.D
Acq: 13 Aug 2025 15:10

Tgt Ion: 117 Resp: 318426
Ion Ratio Lower Upper
117 100
82 64.7 54.6 81.8
119 31.6 25.9 38.9

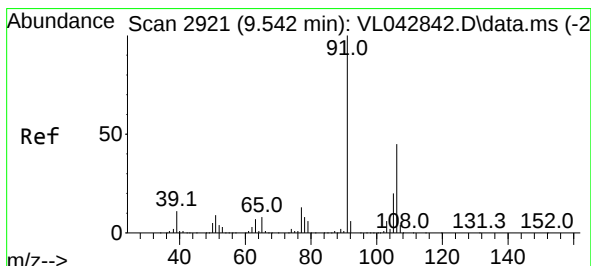
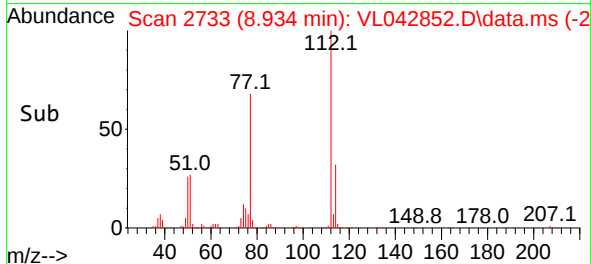
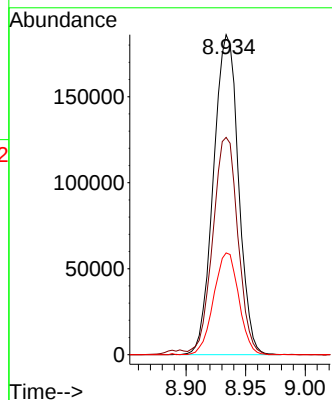
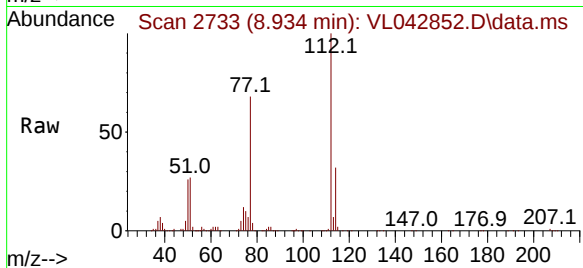




#57
Chlorobenzene
Concen: 8.963 ppbv
RT: 8.934 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042852.D
Acq: 13 Aug 2025 15:10

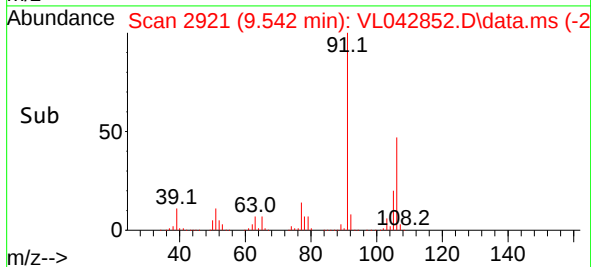
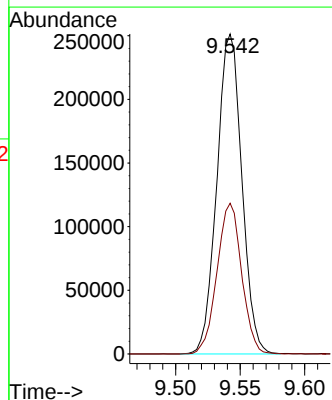
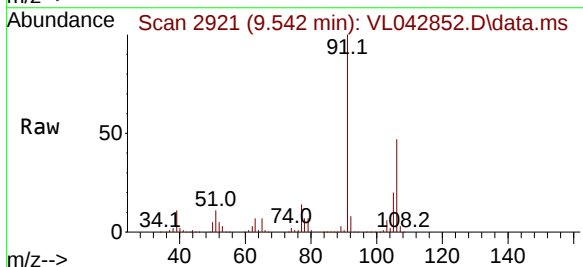
Instrument :
MSVOA_1
ClientSampleId :
AE073-1100DL2

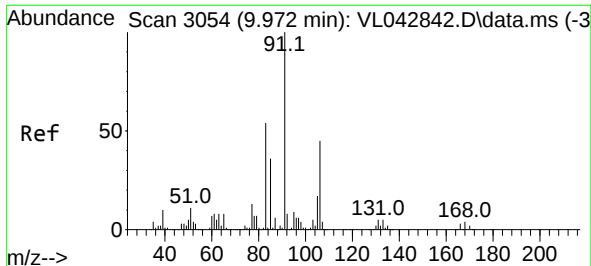
Tgt Ion:112 Resp: 271358
Ion Ratio Lower Upper
112 100
77 67.8 55.5 83.3
114 31.8 27.2 33.2



#59
m/p-Xylene
Concen: 7.674 ppbv
RT: 9.542 min Scan# 2921
Delta R.T. 0.000 min
Lab File: VL042852.D
Acq: 13 Aug 2025 15:10

Tgt Ion: 91 Resp: 337995
Ion Ratio Lower Upper
91 100
106 46.4 0.0 0.0#

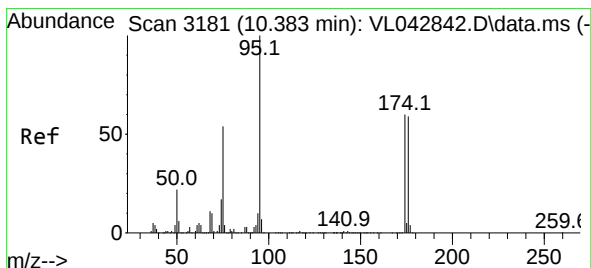
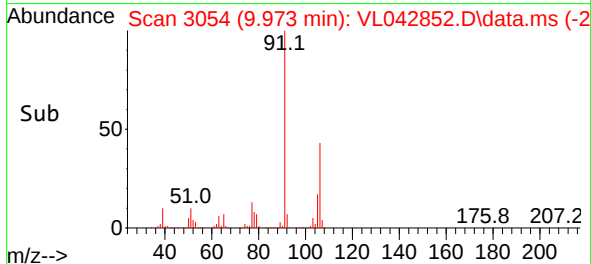
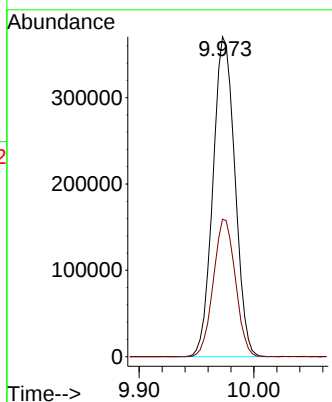
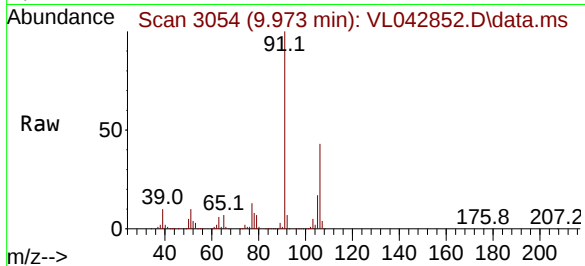




#60
o-Xylene
Concen: 11.140 ppbv
RT: 9.973 min Scan# 3054
Delta R.T. 0.000 min
Lab File: VL042852.D
Acq: 13 Aug 2025 15:10

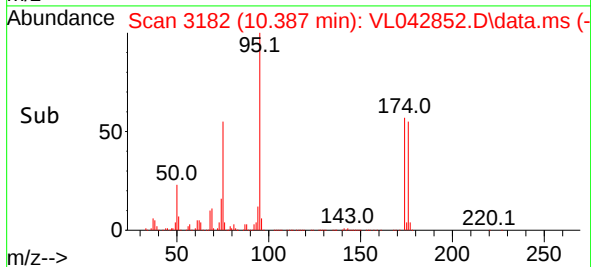
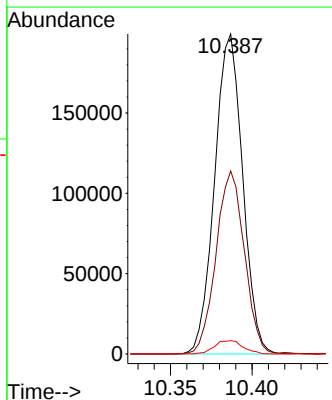
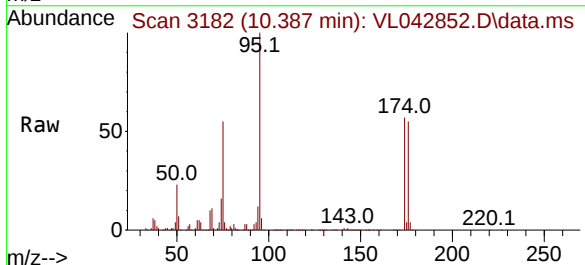
Instrument :
MSVOA_1
ClientSampleId :
AE073-1100DL2

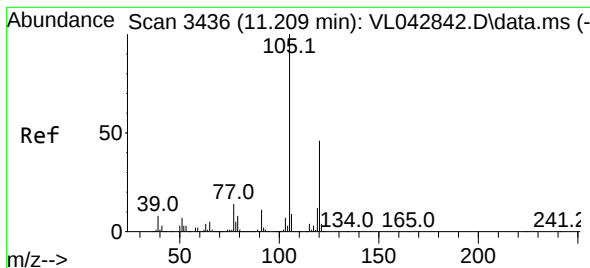
Tgt Ion: 91 Resp: 493555
Ion Ratio Lower Upper
91 100
106 43.1 21.8 65.4



#68
1-Bromo-4-Fluorobenzene
Concen: 9.956 ppbv
RT: 10.387 min Scan# 3182
Delta R.T. 0.003 min
Lab File: VL042852.D
Acq: 13 Aug 2025 15:10

Tgt Ion: 95 Resp: 237748
Ion Ratio Lower Upper
95 100
174 58.0 48.4 72.6
175 4.3 3.8 5.8





#73

1,3,5-Trimethylbenzene

Concen: 7.269 ppbv

RT: 11.212 min Scan# 3437

Delta R.T. 0.003 min

Lab File: VL042852.D

Acq: 13 Aug 2025 15:10

Instrument :

MSVOA_1

ClientSampleId :

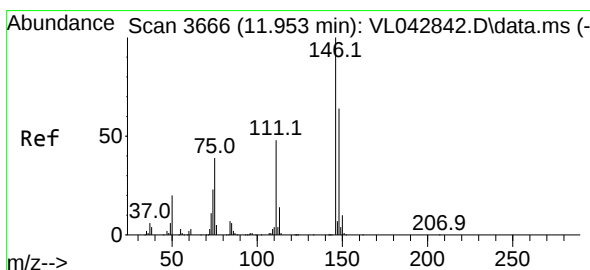
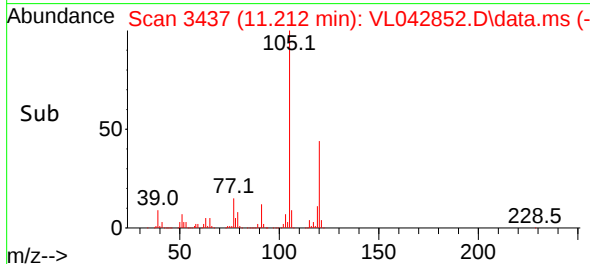
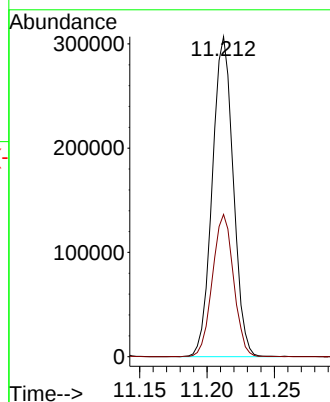
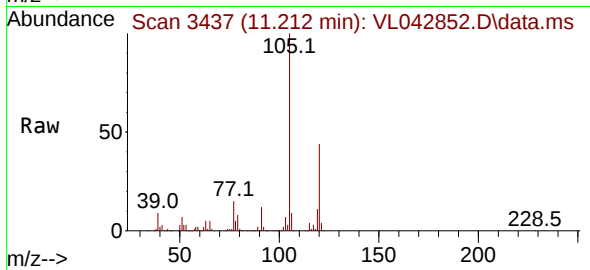
AE073-1100DL2

Tgt Ion:105 Resp: 331987

Ion Ratio Lower Upper

105 100

120 44.4 36.6 54.8



#77

1,2-Dichlorobenzene

Concen: 5.994 ppbv

RT: 11.957 min Scan# 3667

Delta R.T. 0.003 min

Lab File: VL042852.D

Acq: 13 Aug 2025 15:10

Tgt Ion:146 Resp: 167278

Ion Ratio Lower Upper

146 100

111 50.2 24.6 74.0

148 63.2 32.0 96.0

