

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073125\
 Data File : VL042793.D
 Acq On : 31 Jul 2025 13:15
 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 01 01:15:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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)

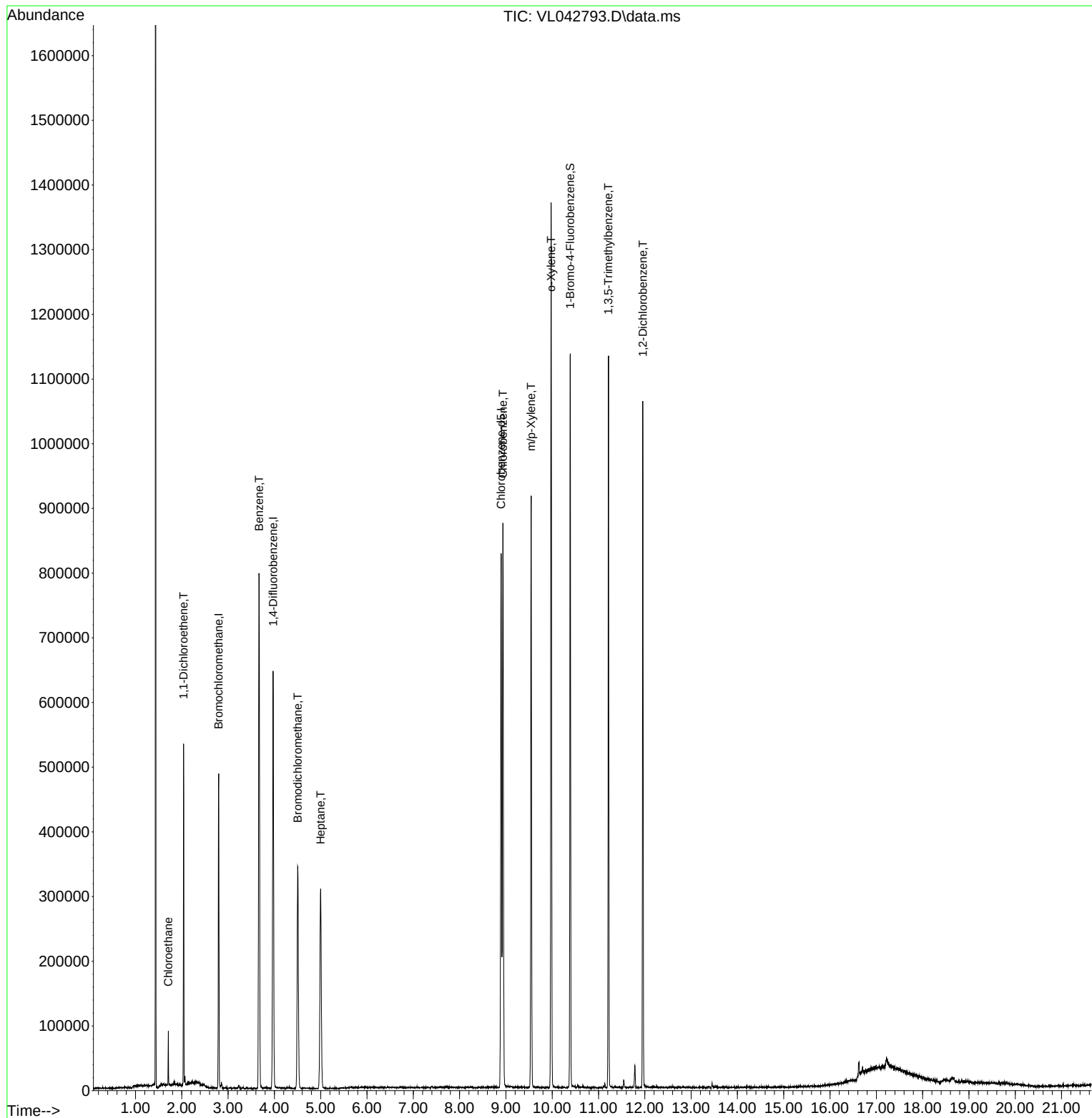
Internal Standards							
1) Bromochloromethane		2.797	49	135095	10.000	ppbv	0.01
33) 1,4-Difluorobenzene		3.972	114	368077	10.000	ppbv	0.02
55) Chlorobenzene-d5		8.895	117	321275	10.000	ppbv	0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene		10.390	95	267370	10.509	ppbv	0.02
Spiked Amount		10.000	Range	65 - 135	Recovery	= 105.100%	
Target Compounds							
							Qvalue
7) Chloroethane		1.709	64	21161	7.671	ppbv	97
10) Heptane		4.998	43	128422	5.632	ppbv	97
18) 1,1-Dichloroethene		2.040	96	63505	10.045	ppbv	92
36) Benzene		3.671	78	488205	13.995	ppbv	98
42) Bromodichloromethane		4.506	83	208761	7.628	ppbv	98
57) Chlorobenzene		8.937	112	343073	11.034	ppbv	94
59) m/p-Xylene		9.545	91	382502	9.433	ppbv	97
60) o-Xylene		9.976	91	587689	14.505	ppbv	99
73) 1,3,5-Trimethylbenzene		11.212	105	383936	9.637	ppbv	97
77) 1,2-Dichlorobenzene		11.957	146	233554	7.799	ppbv	98

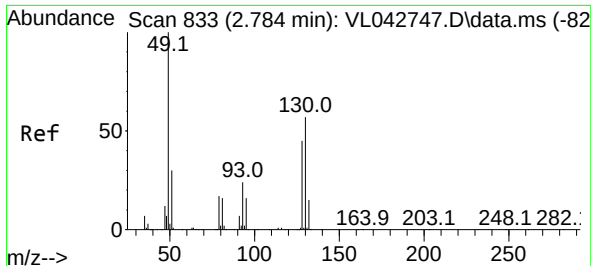
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 01 01:15:16 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

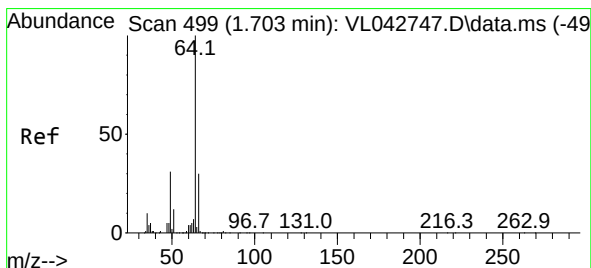
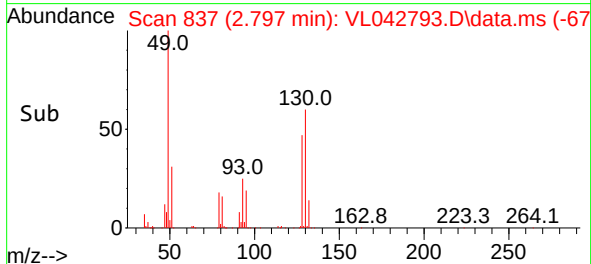
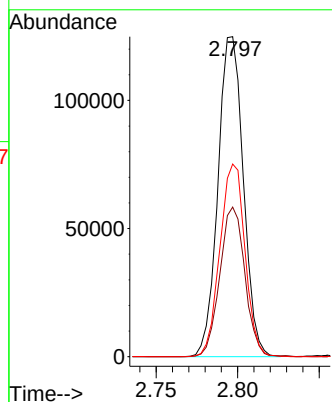
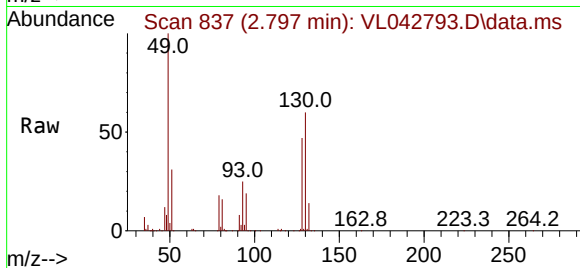




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.797 min Scan# 81
 Delta R.T. 0.013 min
 Lab File: VL042793.D
 Acq: 31 Jul 2025 13:15

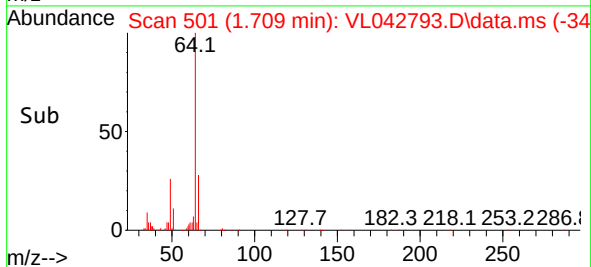
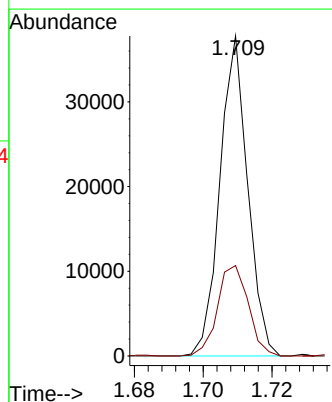
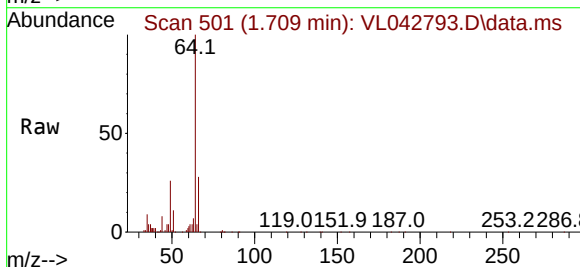
Instrument :
 MSVOA_L
 ClientSampleId :
 AE073-1100DL2

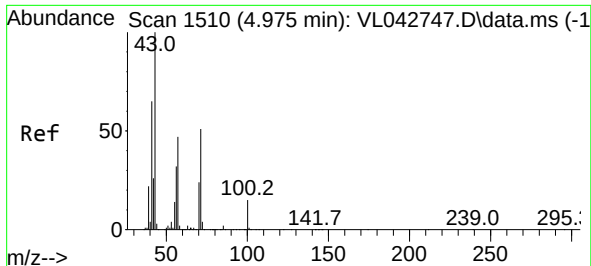
Tgt Ion: 49 Resp: 135095
 Ion Ratio Lower Upper
 49 100
 128 46.2 23.6 71.0
 130 59.5 30.3 90.8



#7
 Chloroethane
 Concen: 7.671 ppbv
 RT: 1.709 min Scan# 501
 Delta R.T. 0.007 min
 Lab File: VL042793.D
 Acq: 31 Jul 2025 13:15

Tgt Ion: 64 Resp: 21161
 Ion Ratio Lower Upper
 64 100
 66 28.3 24.1 36.1





#10

Heptane

Concen: 5.632 ppbv

RT: 4.998 min Scan# 11

Delta R.T. 0.023 min

Lab File: VL042793.D

Acq: 31 Jul 2025 13:15

Instrument :

MSVOA_L

ClientSampleId :

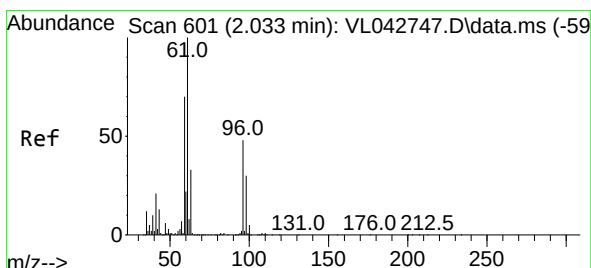
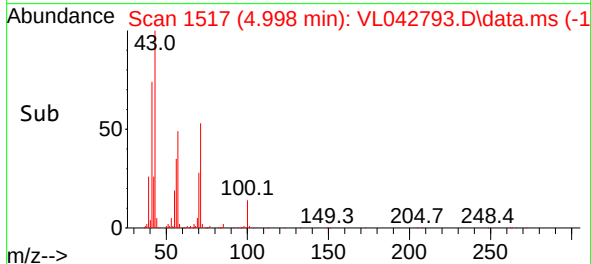
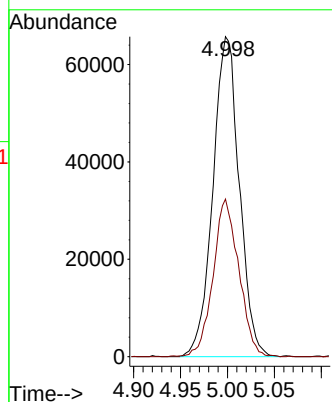
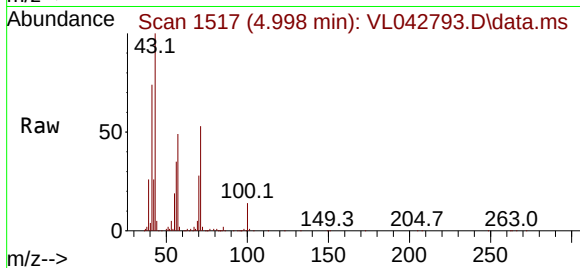
AE073-1100DL2

Tgt Ion: 43 Resp: 128422

Ion Ratio Lower Upper

43 100

57 48.0 39.9 59.9



#18

1,1-Dichloroethene

Concen: 10.045 ppbv

RT: 2.040 min Scan# 603

Delta R.T. 0.007 min

Lab File: VL042793.D

Acq: 31 Jul 2025 13:15

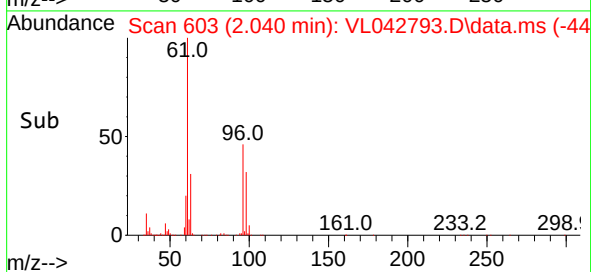
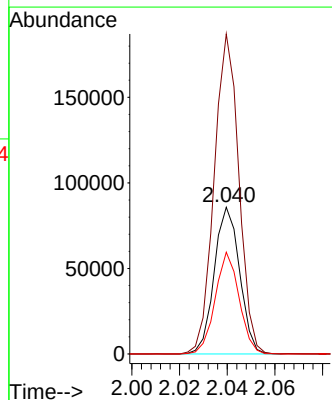
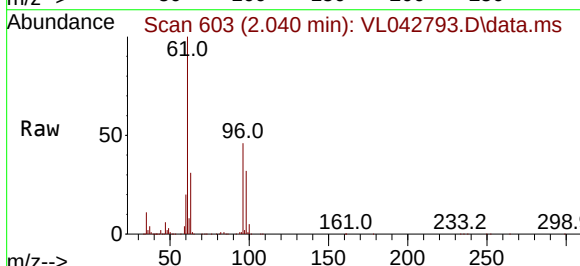
Tgt Ion: 96 Resp: 63505

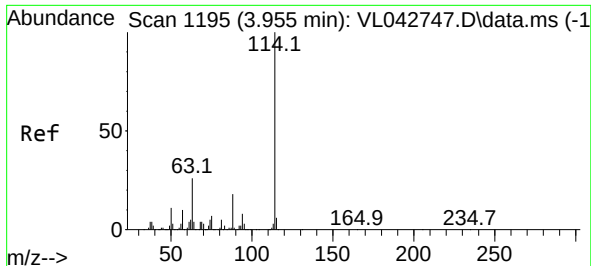
Ion Ratio Lower Upper

96 100

61 218.2 165.8 248.6

98 69.4 49.9 74.9

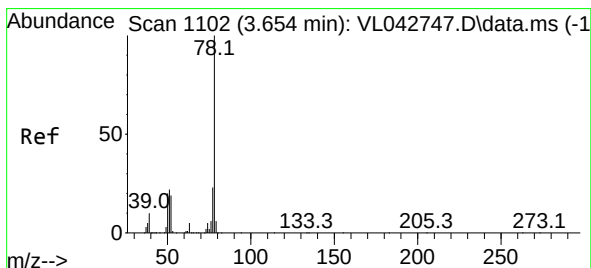
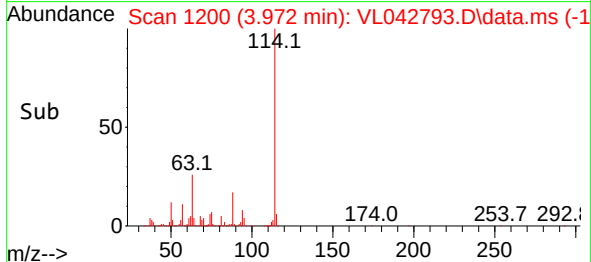
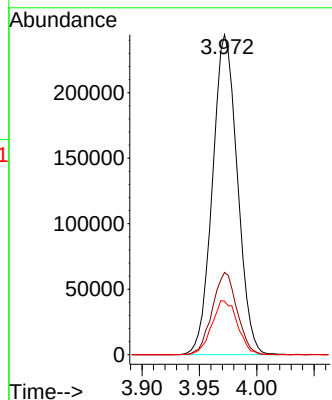
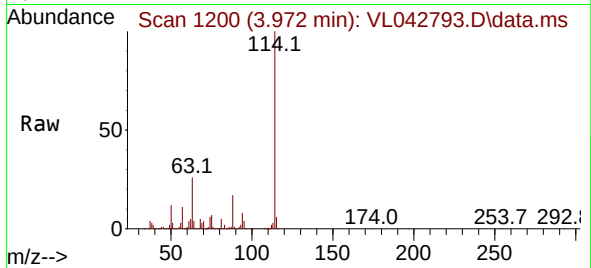




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.972 min Scan# 1195
Delta R.T. 0.016 min
Lab File: VL042793.D
Acq: 31 Jul 2025 13:15

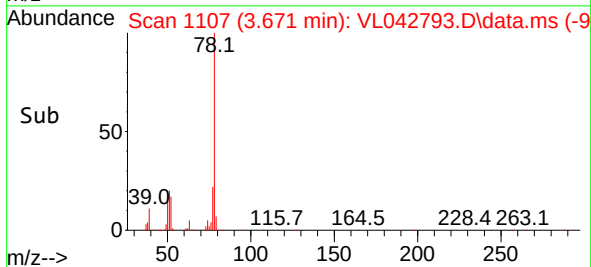
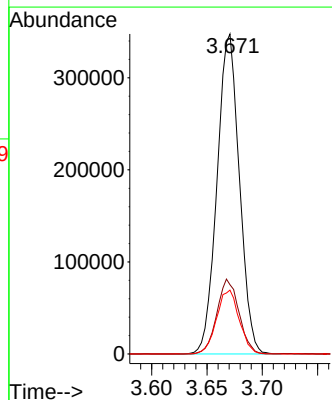
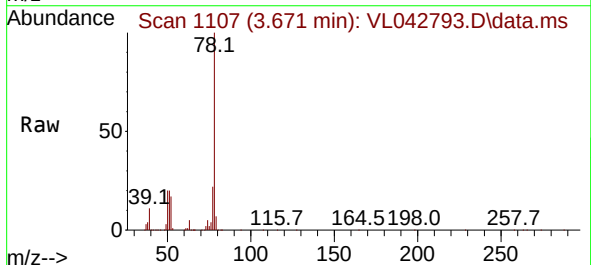
Instrument :
MSVOA_L
ClientSampleId :
AE073-1100DL2

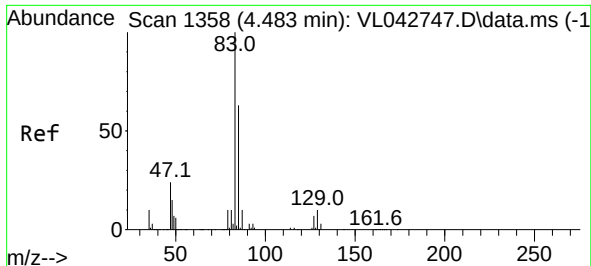
Tgt Ion:114 Resp: 368077
Ion Ratio Lower Upper
114 100
63 25.7 20.5 30.7
88 17.5 14.0 21.0



#36
Benzene
Concen: 13.995 ppbv
RT: 3.671 min Scan# 1107
Delta R.T. 0.016 min
Lab File: VL042793.D
Acq: 31 Jul 2025 13:15

Tgt Ion: 78 Resp: 488205
Ion Ratio Lower Upper
78 100
77 21.7 18.5 27.7
50 20.0 16.2 24.2

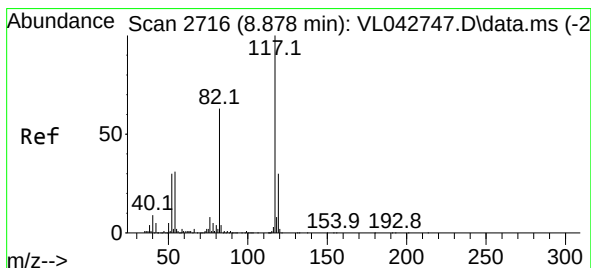
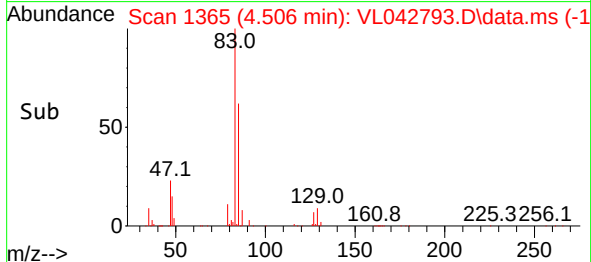
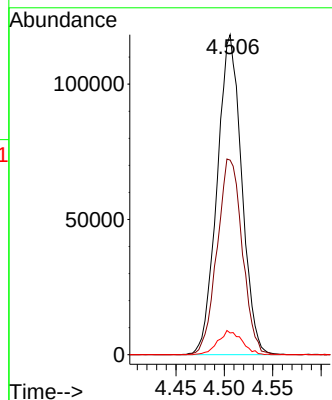
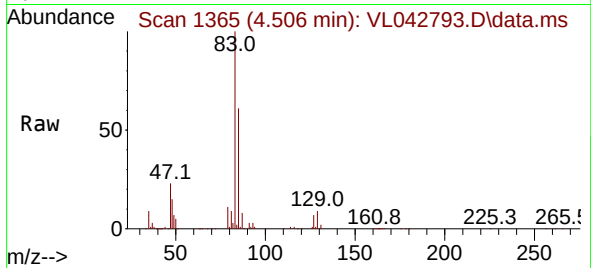




#42
Bromodichloromethane
Concen: 7.628 ppbv
RT: 4.506 min Scan# 11
Delta R.T. 0.023 min
Lab File: VL042793.D
Acq: 31 Jul 2025 13:15

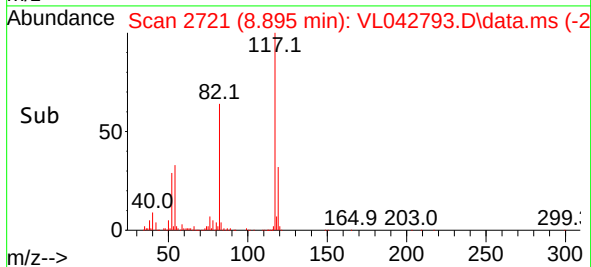
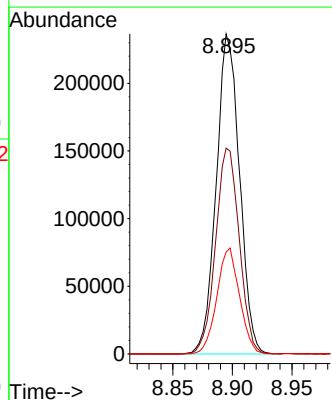
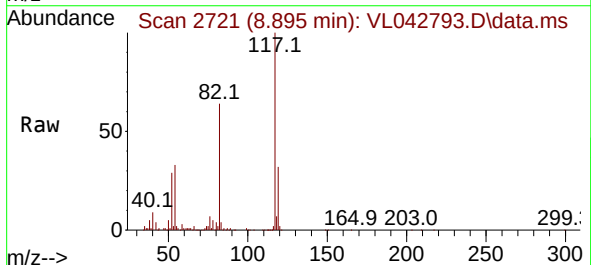
Instrument :
MSVOA_L
ClientSampleId :
AE073-1100DL2

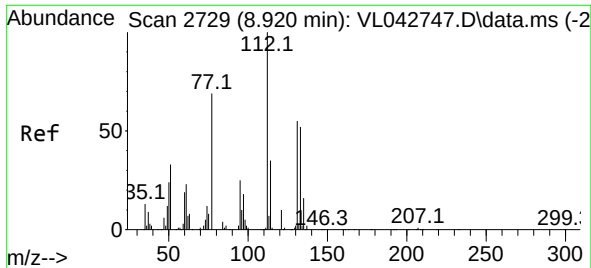
Tgt Ion: 83 Resp: 208761
Ion Ratio Lower Upper
83 100
85 60.8 50.2 75.4
127 6.8 5.4 8.2



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.895 min Scan# 2721
Delta R.T. 0.016 min
Lab File: VL042793.D
Acq: 31 Jul 2025 13:15

Tgt Ion: 117 Resp: 321275
Ion Ratio Lower Upper
117 100
82 65.5 53.3 79.9
119 32.3 25.8 38.6

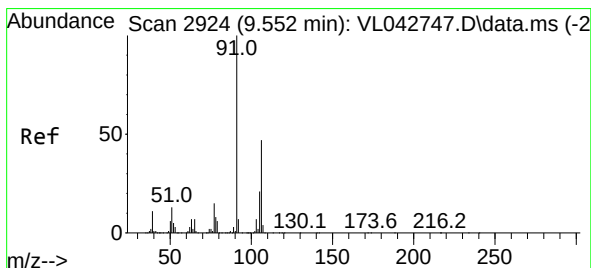
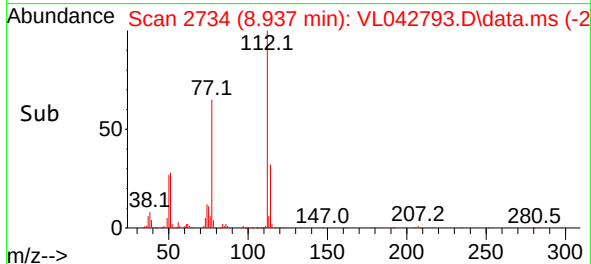
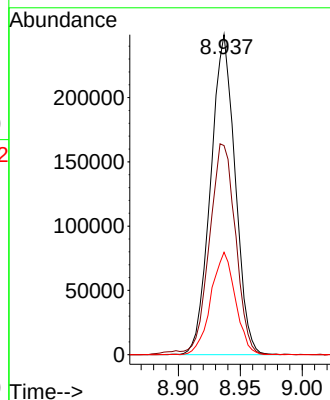
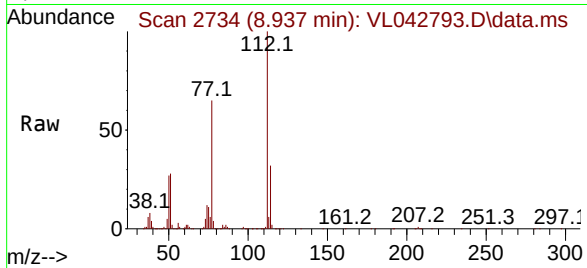




#57
Chlorobenzene
Concen: 11.034 ppbv
RT: 8.937 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL042793.D
Acq: 31 Jul 2025 13:15

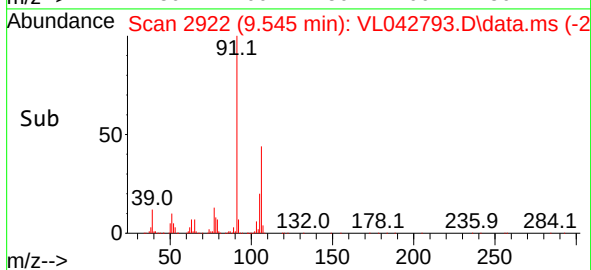
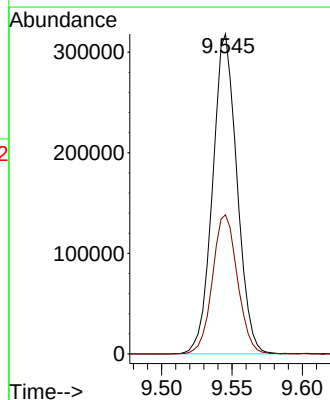
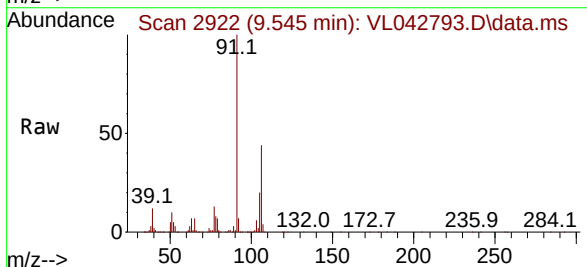
Instrument :
MSVOA_1
ClientSampleId :
AE073-1100DL2

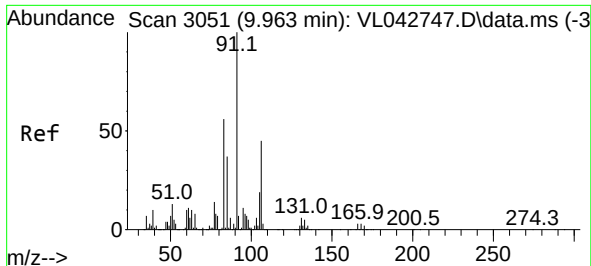
Tgt Ion:112 Resp: 343073
Ion Ratio Lower Upper
112 100
77 65.3 56.4 84.6
114 32.0 31.2 38.2



#59
m/p-Xylene
Concen: 9.433 ppbv
RT: 9.545 min Scan# 2922
Delta R.T. -0.006 min
Lab File: VL042793.D
Acq: 31 Jul 2025 13:15

Tgt Ion: 91 Resp: 382502
Ion Ratio Lower Upper
91 100
106 44.9 37.4 56.2

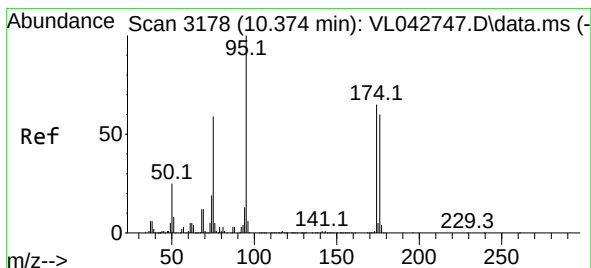
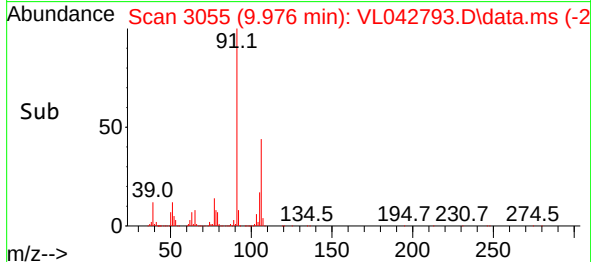
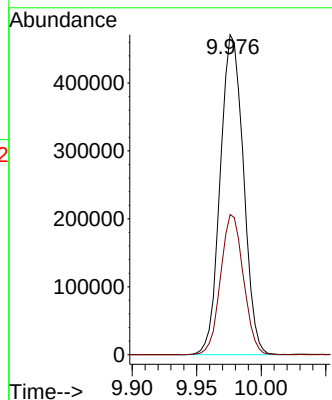
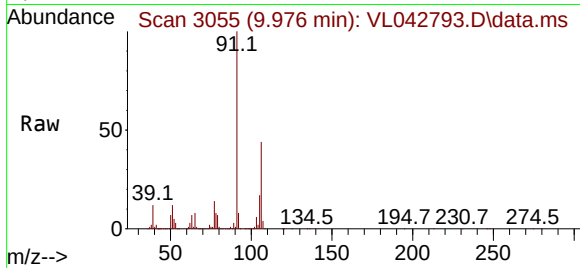




#60
o-Xylene
Concen: 14.505 ppbv
RT: 9.976 min Scan# 3051
Delta R.T. 0.013 min
Lab File: VL042793.D
Acq: 31 Jul 2025 13:15

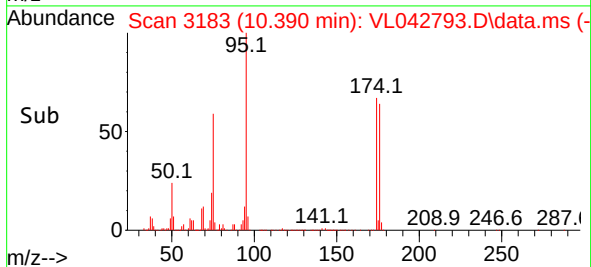
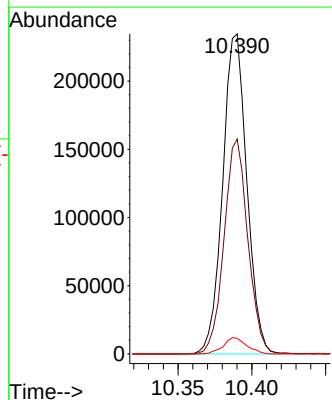
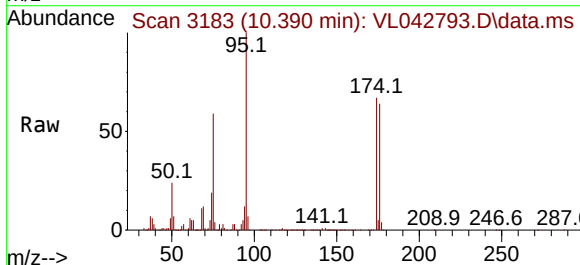
Instrument :
MSVOA_1
ClientSampleId :
AE073-1100DL2

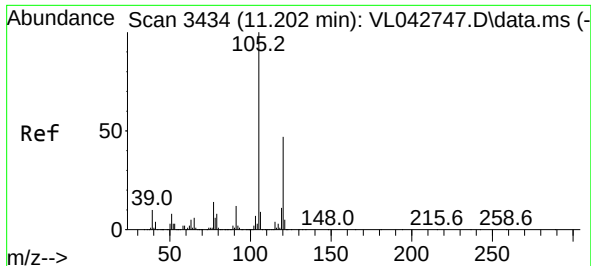
Tgt Ion: 91 Resp: 587689
Ion Ratio Lower Upper
91 100
106 43.1 22.0 66.0



#68
1-Bromo-4-Fluorobenzene
Concen: 10.509 ppbv
RT: 10.390 min Scan# 3183
Delta R.T. 0.016 min
Lab File: VL042793.D
Acq: 31 Jul 2025 13:15

Tgt Ion: 95 Resp: 267370
Ion Ratio Lower Upper
95 100
174 66.2 53.8 80.6
175 4.9 4.0 6.0

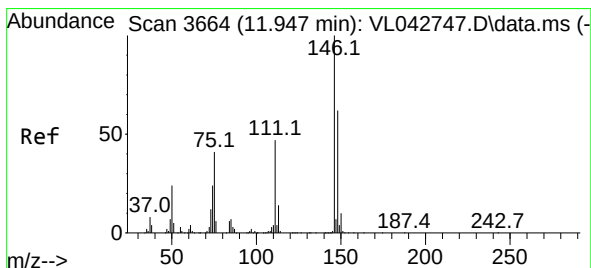
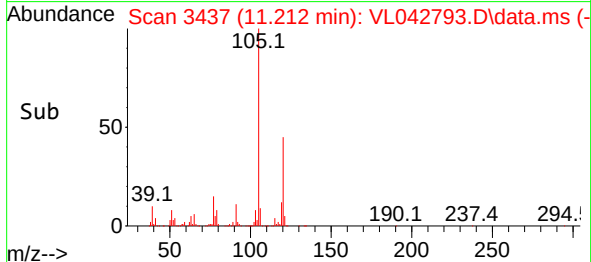
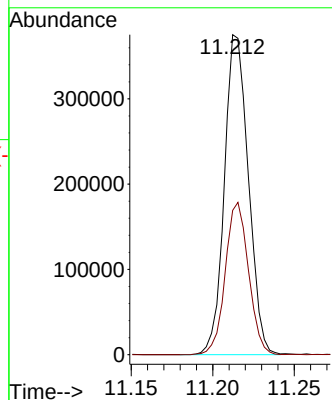
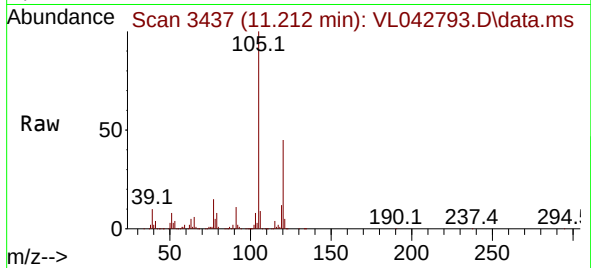




#73
1,3,5-Trimethylbenzene
Concen: 9.637 ppbv
RT: 11.212 min Scan# 3434
Delta R.T. 0.010 min
Lab File: VL042793.D
Acq: 31 Jul 2025 13:15

Instrument :
MSVOA_1
ClientSampleId :
AE073-1100DL2

Tgt Ion:105 Resp: 383936
Ion Ratio Lower Upper
105 100
120 45.1 37.8 56.8



#77
1,2-Dichlorobenzene
Concen: 7.799 ppbv
RT: 11.957 min Scan# 3667
Delta R.T. 0.010 min
Lab File: VL042793.D
Acq: 31 Jul 2025 13:15

Tgt Ion:146 Resp: 233554
Ion Ratio Lower Upper
146 100
111 45.9 23.7 71.1
148 63.7 32.6 97.7

