

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100825\
 Data File : VL043073.D
 Acq On : 08 Oct 2025 23:49
 Operator : SY/MD
 Sample : Q3320-09DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA5DL

Quant Time: Oct 09 01:26:25 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

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

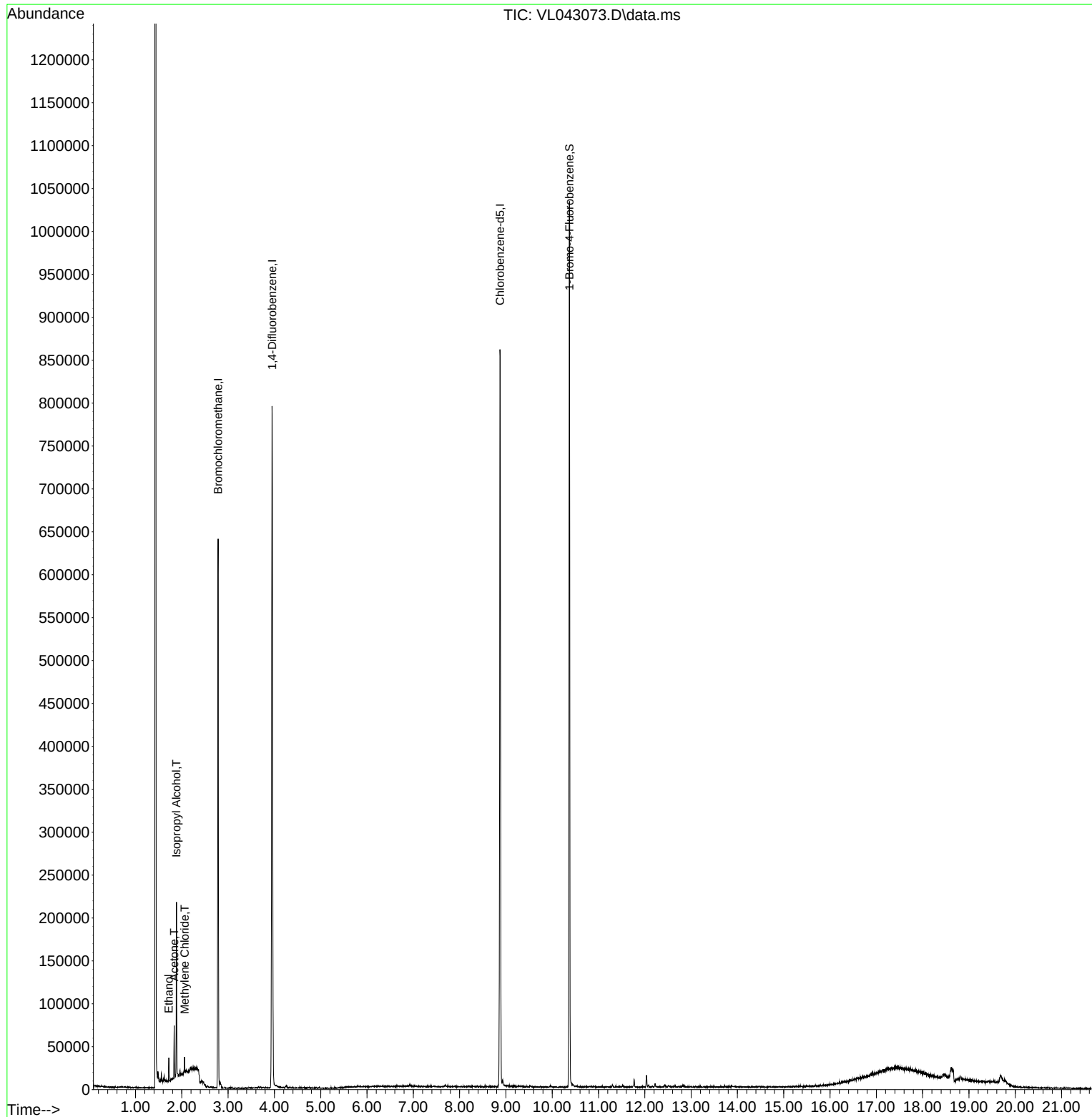
Internal Standards						
1) Bromochloromethane	2.784	49	170732	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	432208	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.872	117	337647	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	229643	9.441	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.400%
Target Compounds						
					Qvalue	
13) Ethanol	1.719	45	8844	20.474	ppbv #	31
15) Acetone	1.835	43	25523	1.068	ppbv	99
19) Isopropyl Alcohol	1.884	45	78380	6.843	ppbv #	29
20) Methylene Chloride	2.062	84	2845	0.273	ppbv #	89

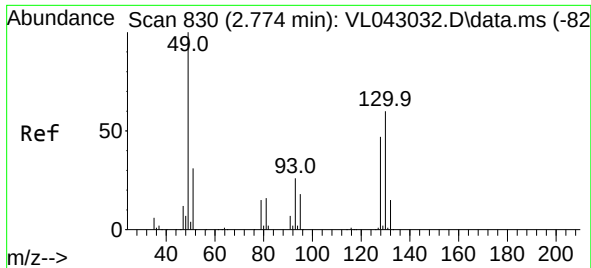
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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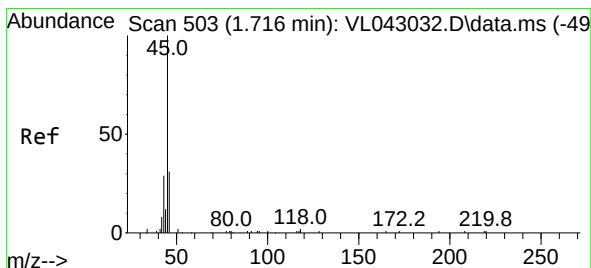
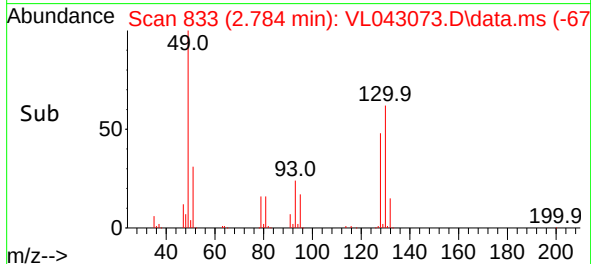
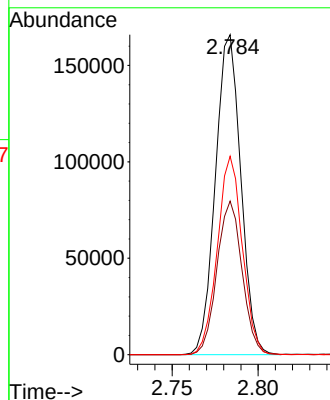
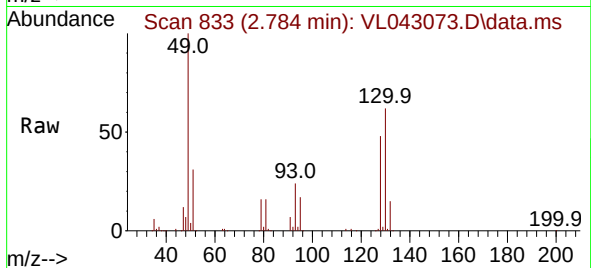




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. 0.010 min
Lab File: VL043073.D
Acq: 08 Oct 2025 23:49

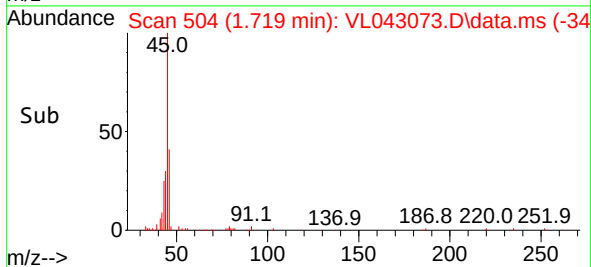
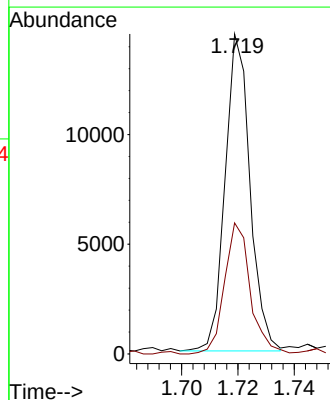
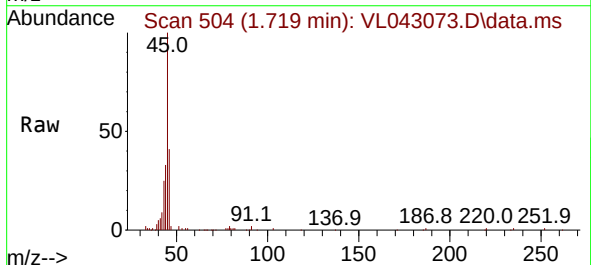
Instrument :
MSVOA_L
ClientSampleId :
IA5DL

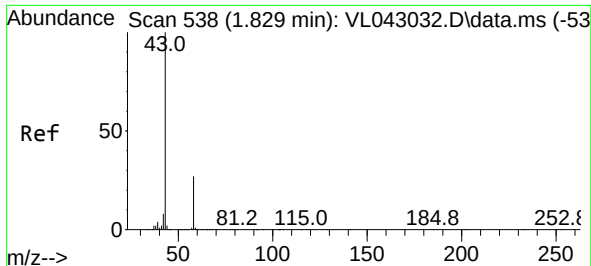
Tgt Ion: 49 Resp: 170732
Ion Ratio Lower Upper
49 100
128 47.5 24.1 72.2
130 60.9 31.4 94.3



#13
Ethanol
Concen: 20.474 ppbv
RT: 1.719 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL043073.D
Acq: 08 Oct 2025 23:49

Tgt Ion: 45 Resp: 8844
Ion Ratio Lower Upper
45 100
46 0.0 17.8 71.4#

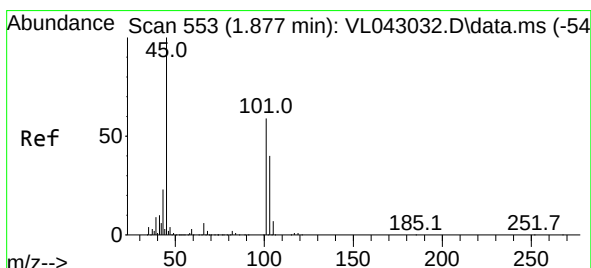
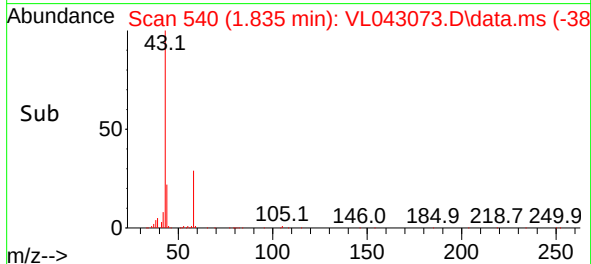
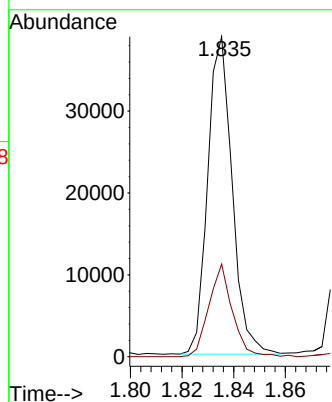
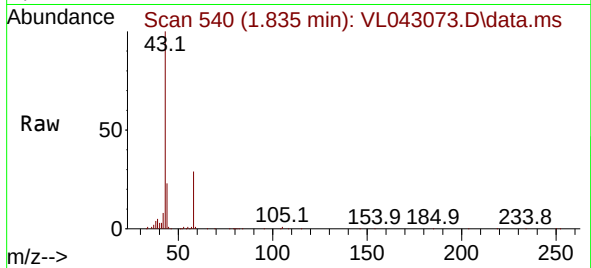




#15
Acetone
Concen: 1.068 ppbv
RT: 1.835 min Scan# 54
Delta R.T. 0.006 min
Lab File: VL043073.D
Acq: 08 Oct 2025 23:49

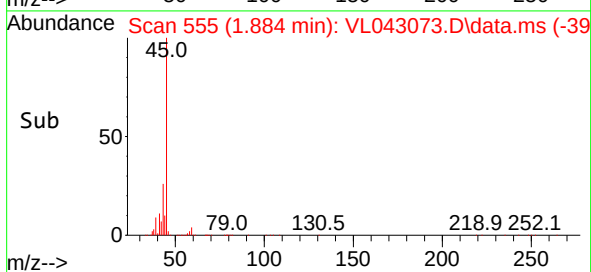
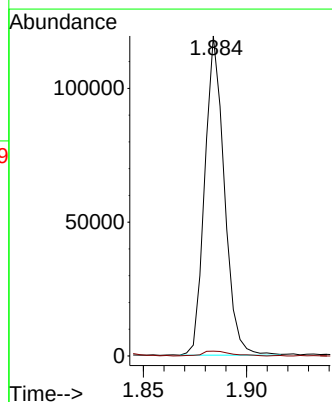
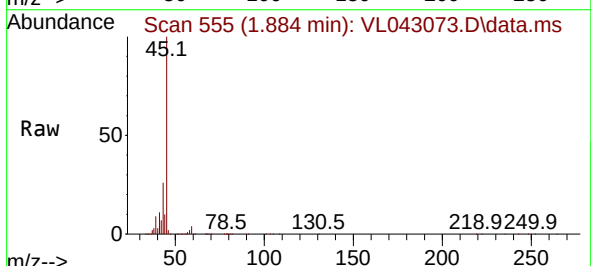
Instrument :
MSVOA_L
ClientSampleId :
IA5DL

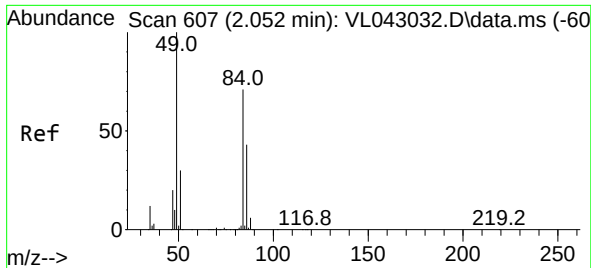
Tgt Ion: 43 Resp: 25523
Ion Ratio Lower Upper
43 100
58 28.1 22.2 33.4



#19
Isopropyl Alcohol
Concen: 6.843 ppbv
RT: 1.884 min Scan# 555
Delta R.T. 0.006 min
Lab File: VL043073.D
Acq: 08 Oct 2025 23:49

Tgt Ion: 45 Resp: 78380
Ion Ratio Lower Upper
45 100
58 2.5 42.3 63.5#

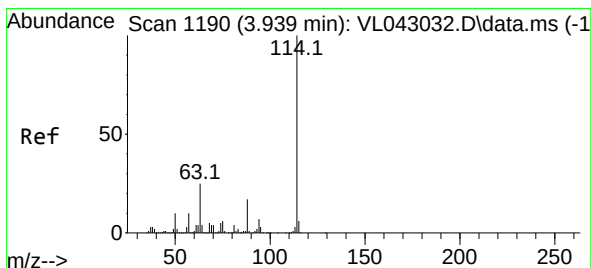
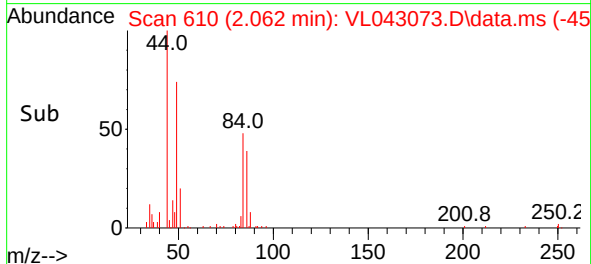
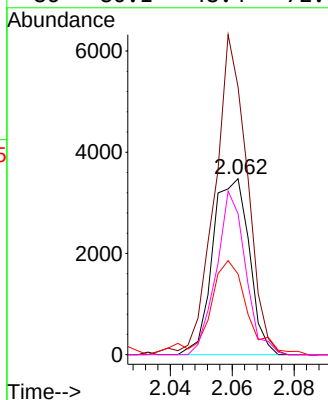
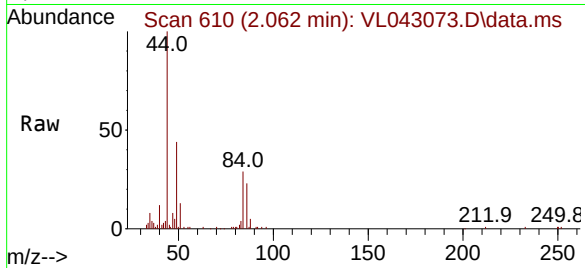




#20
Methylene Chloride
Concen: 0.273 ppbv
RT: 2.062 min Scan# 61
Delta R.T. 0.010 min
Lab File: VL043073.D
Acq: 08 Oct 2025 23:49

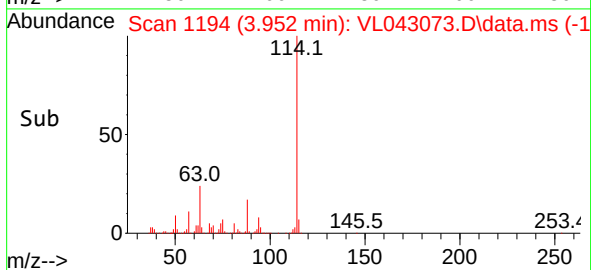
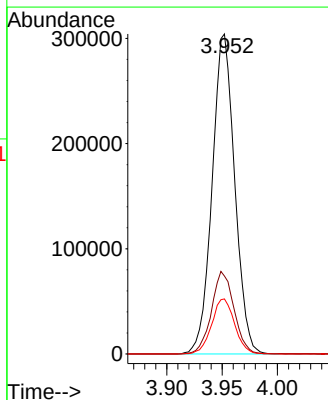
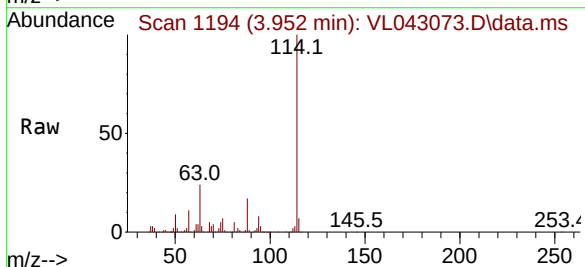
Instrument :
MSVOA_L
ClientSampleId :
IA5DL

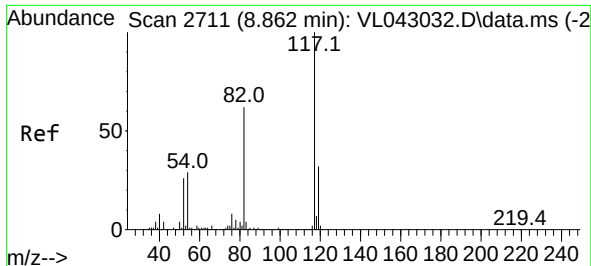
Tgt Ion: 84 Resp: 2845
Ion Ratio Lower Upper
84 100
49 150.2 112.5 168.7
51 43.3 34.2 51.2
86 80.1 48.4 72.6#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. 0.013 min
Lab File: VL043073.D
Acq: 08 Oct 2025 23:49

Tgt Ion:114 Resp: 432208
Ion Ratio Lower Upper
114 100
63 25.9 19.4 29.2
88 17.5 13.9 20.9

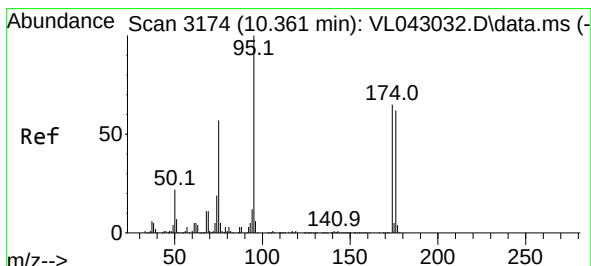
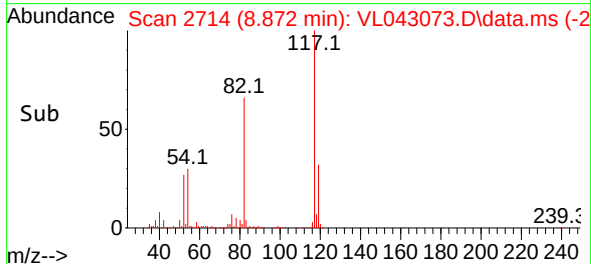
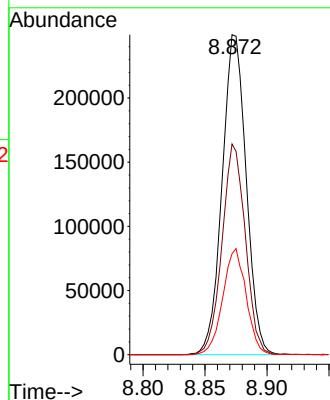
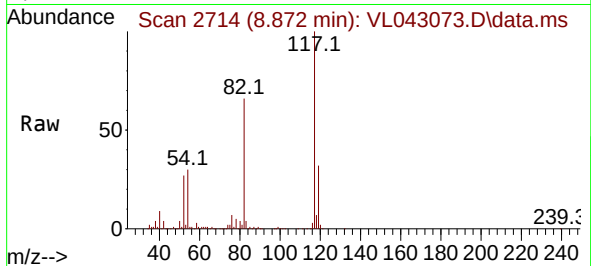




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.872 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL043073.D
Acq: 08 Oct 2025 23:49

Instrument :
MSVOA_L
ClientSampleId :
IA5DL

Tgt Ion:117 Resp: 337647
Ion Ratio Lower Upper
117 100
82 63.9 53.0 79.6
119 32.3 25.4 38.2



#68
1-Bromo-4-Fluorobenzene
Concen: 9.441 ppbv
RT: 10.370 min Scan# 3177
Delta R.T. 0.010 min
Lab File: VL043073.D
Acq: 08 Oct 2025 23:49

Tgt Ion: 95 Resp: 229643
Ion Ratio Lower Upper
95 100
174 65.5 52.3 78.5
175 4.6 3.8 5.8

