

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
 Data File : VL042973.D
 Acq On : 23 Sep 2025 00:35
 Operator : SY/MD
 Sample : Q3130-01DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 131-1A-1DL

Quant Time: Sep 23 02:59:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Sep 23 02:39:16 2025
 Response via : Initial Calibration

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

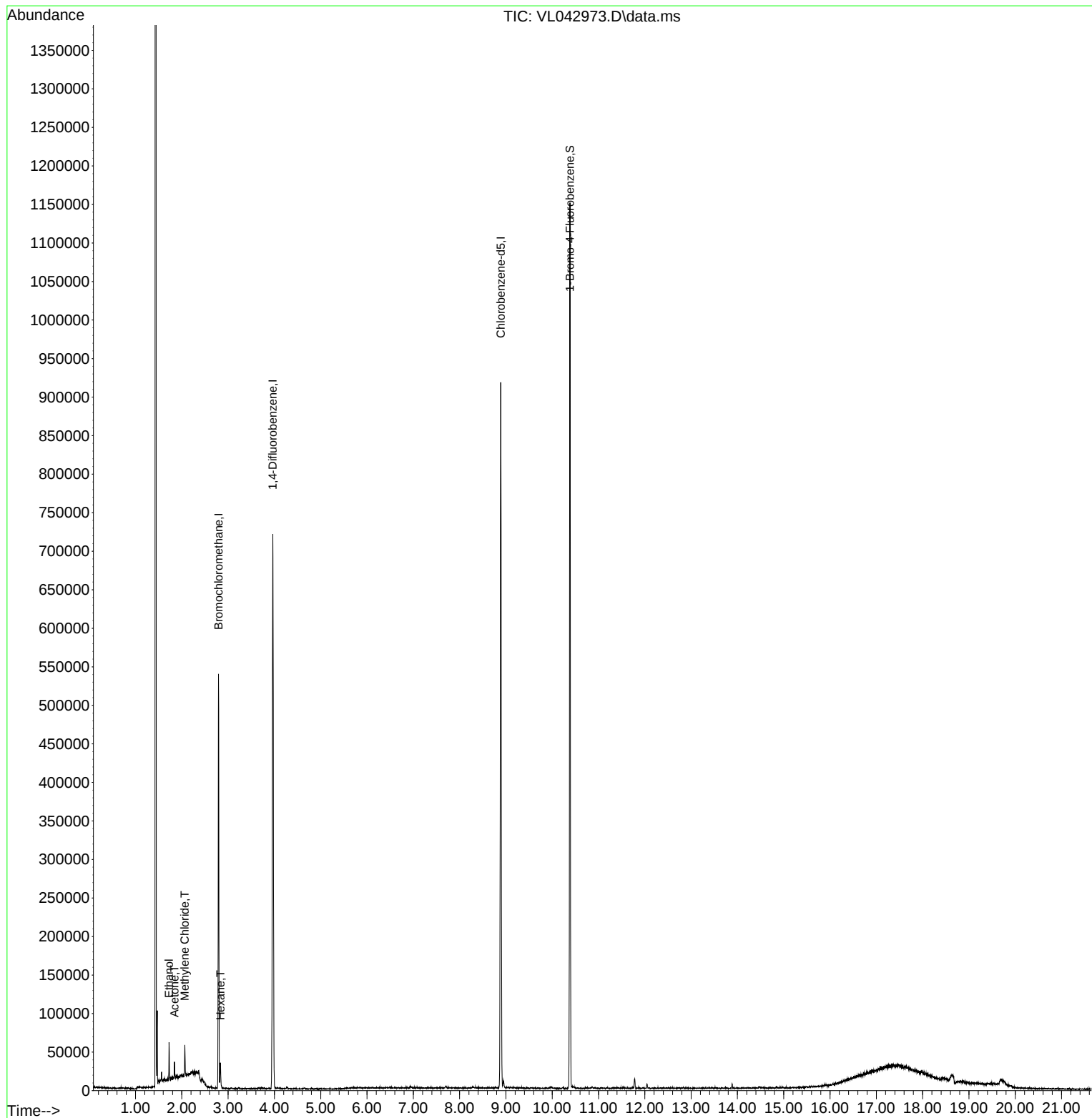
Internal Standards						
1) Bromochloromethane	2.793	49	146639	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	435202	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.888	117	382505	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	287241	10.060	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.600%
Target Compounds						
						Qvalue
13) Ethanol	1.725	45	15804	15.234	ppbv	98
15) Acetone	1.842	43	8805	0.461	ppbv	99
20) Methylene Chloride	2.065	84	5285	0.277	ppbv	89
26) Hexane	2.836	57	7400	0.336	ppbv #	49

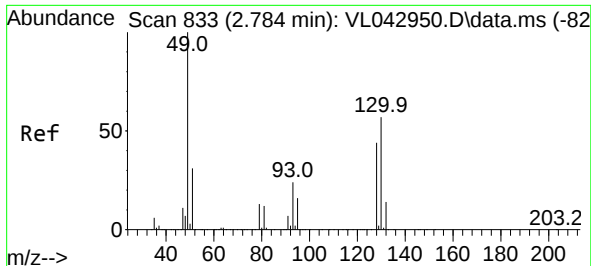
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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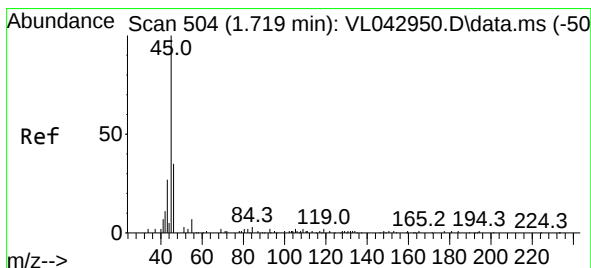
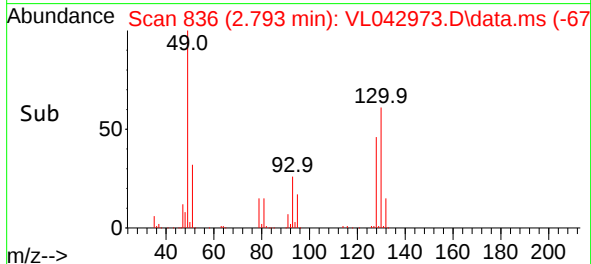
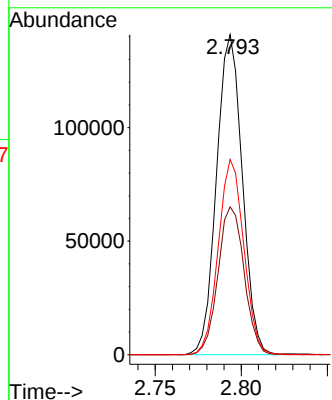
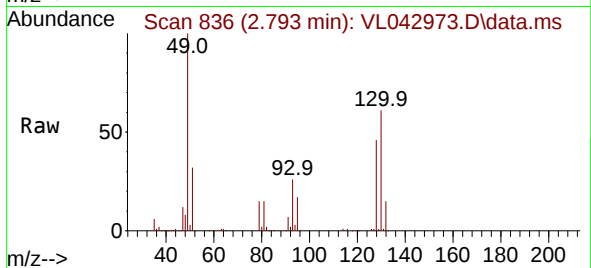




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 81
Delta R.T. 0.009 min
Lab File: VL042973.D
Acq: 23 Sep 2025 00:35

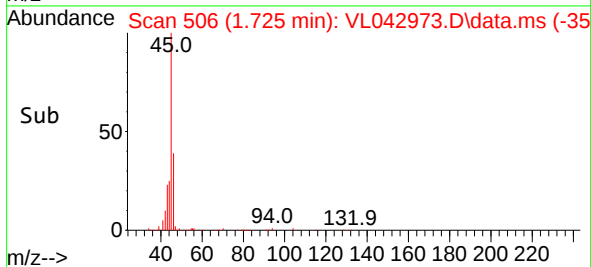
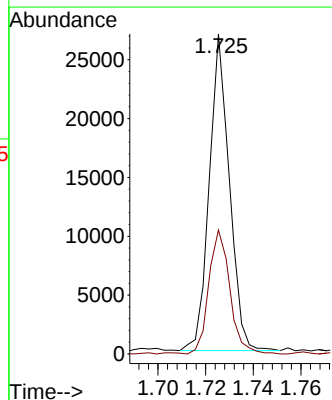
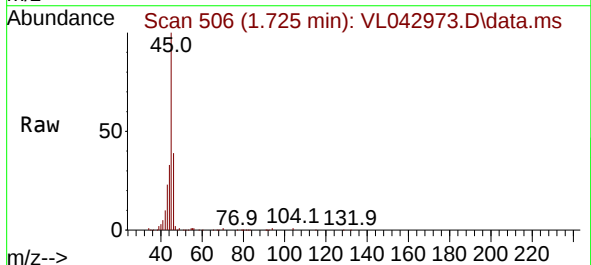
Instrument :
MSVOA_L
ClientSampleId :
131-1A-1DL

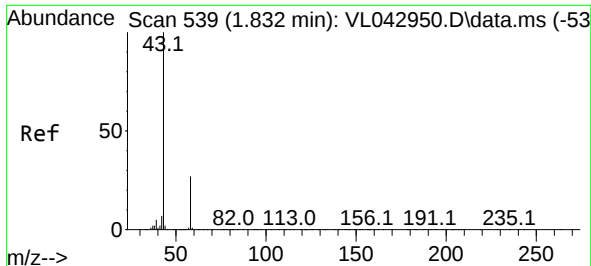
Tgt Ion: 49 Resp: 146639
Ion Ratio Lower Upper
49 100
128 46.9 22.9 68.8
130 60.5 29.1 87.3



#13
Ethanol
Concen: 15.234 ppbv
RT: 1.725 min Scan# 506
Delta R.T. 0.006 min
Lab File: VL042973.D
Acq: 23 Sep 2025 00:35

Tgt Ion: 45 Resp: 15804
Ion Ratio Lower Upper
45 100
46 41.8 16.2 64.6





#15

Acetone

Concen: 0.461 ppbv

RT: 1.842 min Scan# 54

Delta R.T. 0.010 min

Lab File: VL042973.D

Acq: 23 Sep 2025 00:35

Instrument :

MSVOA_L

ClientSampleId :

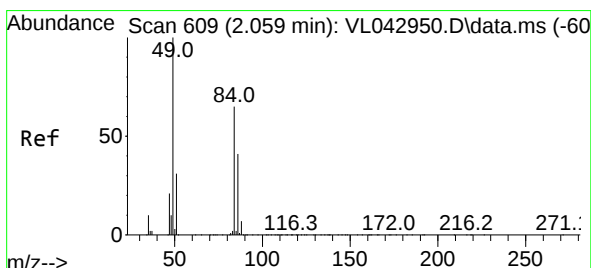
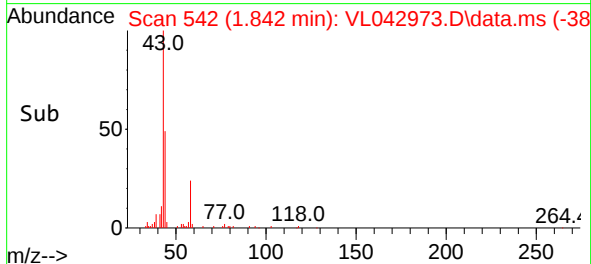
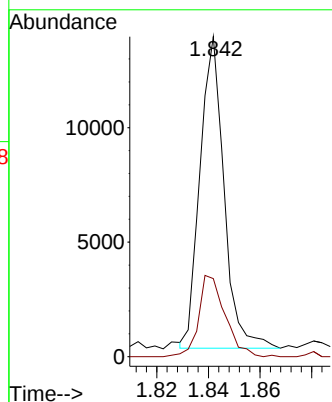
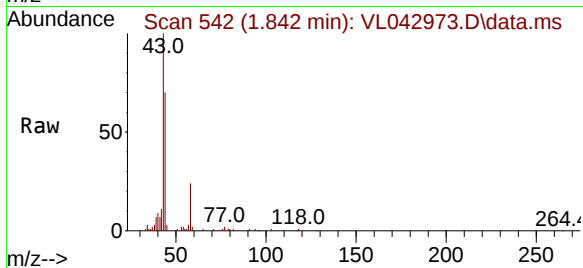
131-1A-1DL

Tgt Ion: 43 Resp: 8805

Ion Ratio Lower Upper

43 100

58 28.7 22.3 33.5



#20

Methylene Chloride

Concen: 0.277 ppbv

RT: 2.065 min Scan# 611

Delta R.T. 0.006 min

Lab File: VL042973.D

Acq: 23 Sep 2025 00:35

Tgt Ion: 84 Resp: 5285

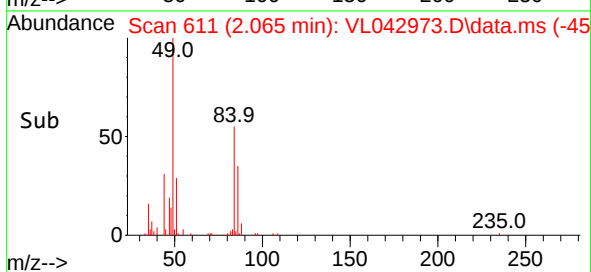
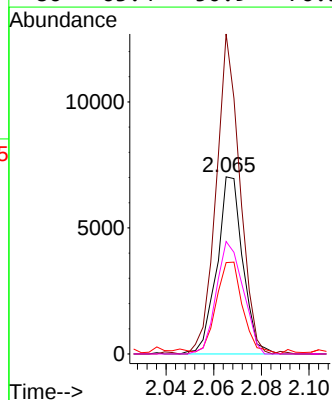
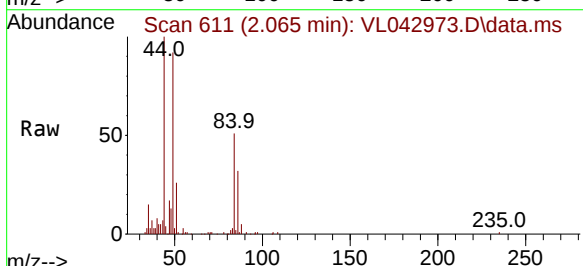
Ion Ratio Lower Upper

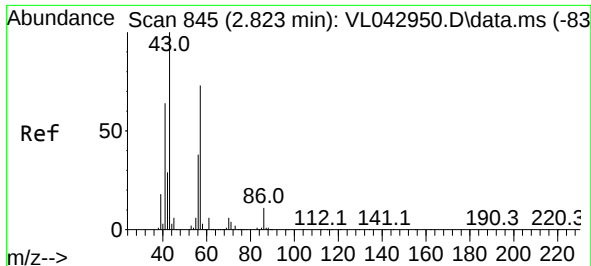
84 100

49 180.6 124.1 186.1

51 49.9 39.8 59.8

86 63.4 50.9 76.3

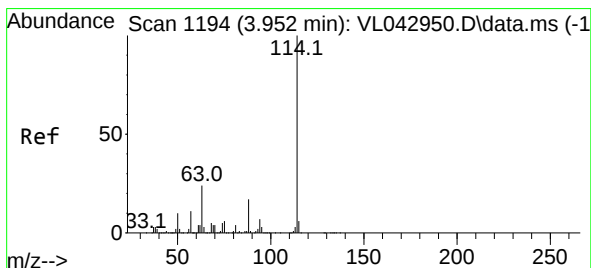
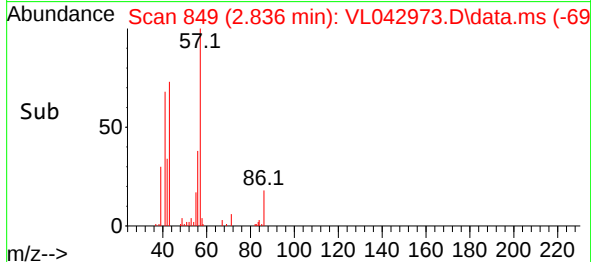
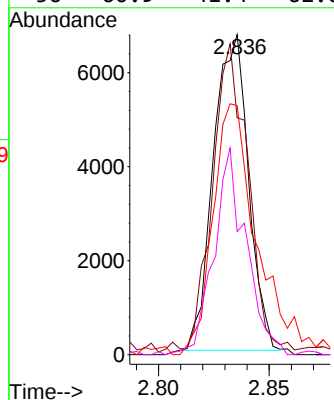
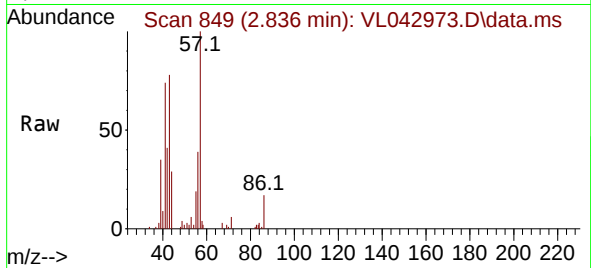




#26
Hexane
Concen: 0.336 ppbv
RT: 2.836 min Scan# 84
Delta R.T. 0.013 min
Lab File: VL042973.D
Acq: 23 Sep 2025 00:35

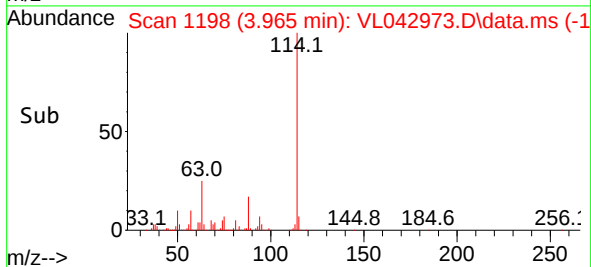
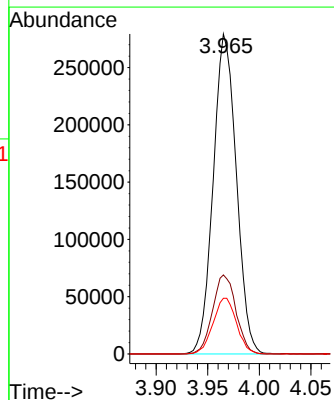
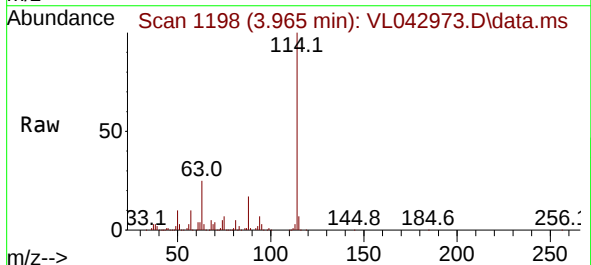
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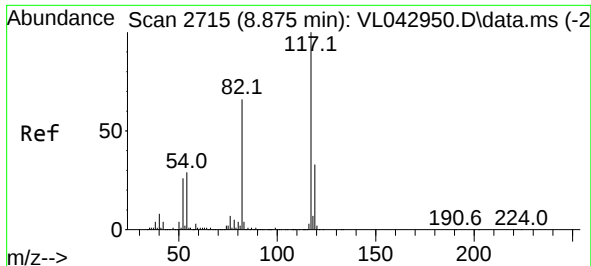
Tgt Ion: 57 Resp: 7400
Ion Ratio Lower Upper
57 100
41 108.4 71.7 107.5#
43 108.1 180.8 271.2#
56 60.9 41.4 62.0



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1198
Delta R.T. 0.013 min
Lab File: VL042973.D
Acq: 23 Sep 2025 00:35

Tgt Ion: 114 Resp: 435202
Ion Ratio Lower Upper
114 100
63 25.0 19.4 29.2
88 17.7 14.2 21.2

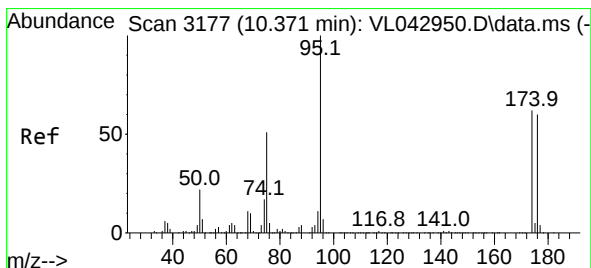
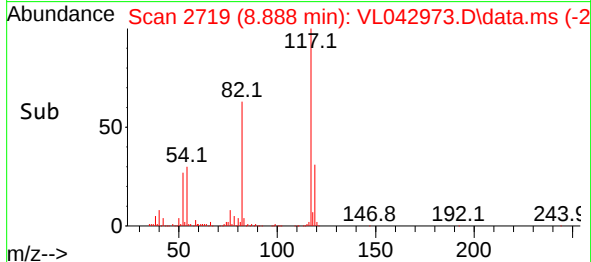
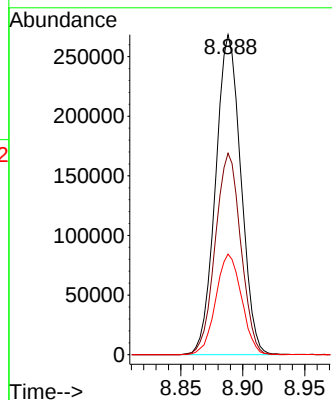
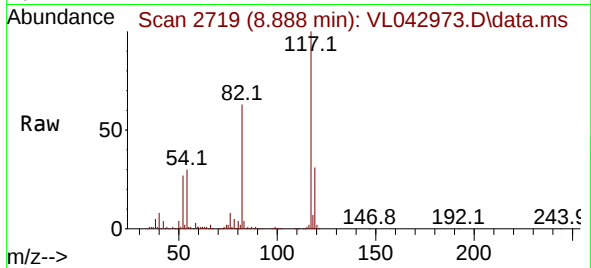




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL042973.D
Acq: 23 Sep 2025 00:35

Instrument :
MSVOA_L
ClientSampleId :
131-1A-1DL

Tgt Ion:117 Resp: 382505
Ion Ratio Lower Upper
117 100
82 63.6 52.8 79.2
119 32.0 26.5 39.7



#68
1-Bromo-4-Fluorobenzene
Concen: 10.060 ppbv
RT: 10.383 min Scan# 3181
Delta R.T. 0.013 min
Lab File: VL042973.D
Acq: 23 Sep 2025 00:35

Tgt Ion: 95 Resp: 287241
Ion Ratio Lower Upper
95 100
174 63.7 51.4 77.2
175 4.5 4.0 6.0

