

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
 Data File : VL042965.D
 Acq On : 22 Sep 2025 19:49
 Operator : SY/MD
 Sample : Q3112-02DL 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL

Quant Time: Sep 23 02:54:56 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)

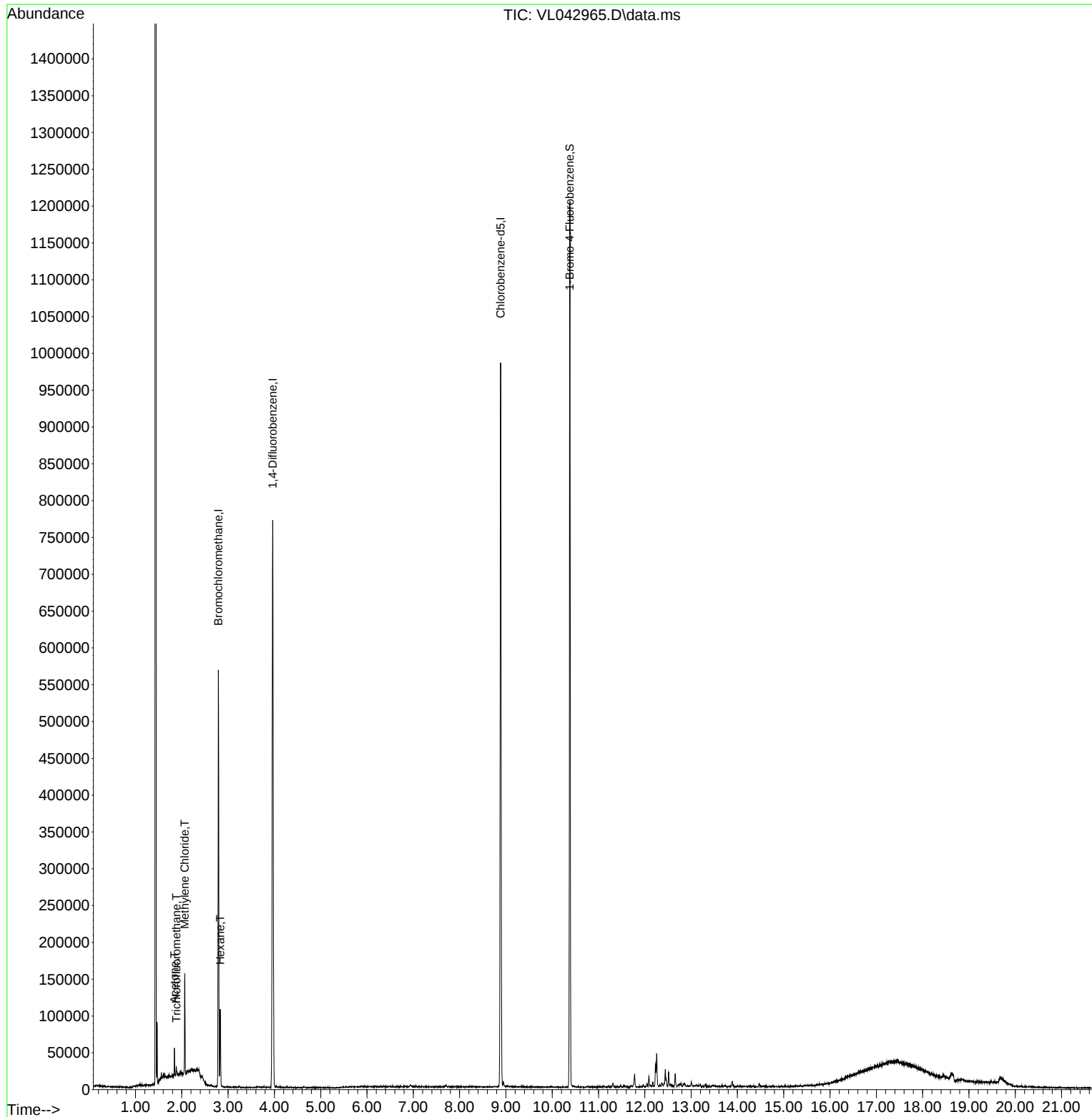
Internal Standards						
1) Bromochloromethane	2.790	49	159259	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	479324	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.885	117	422943	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	307794	9.749	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.500%
Target Compounds						
						Qvalue
11) Trichlorofluoromethane	1.881	101	2884	0.140	ppbv	99
15) Acetone	1.839	43	16126	0.777	ppbv	97
20) Methylene Chloride	2.065	84	20063	2.759	ppbv	96
26) Hexane	2.829	57	25506	1.067	ppbv #	40

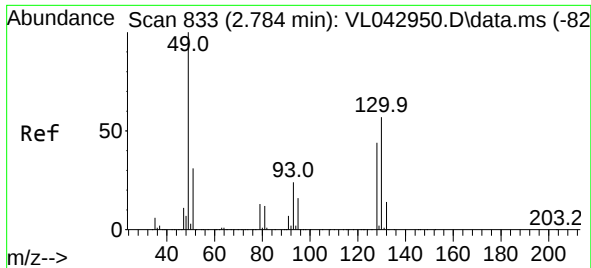
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
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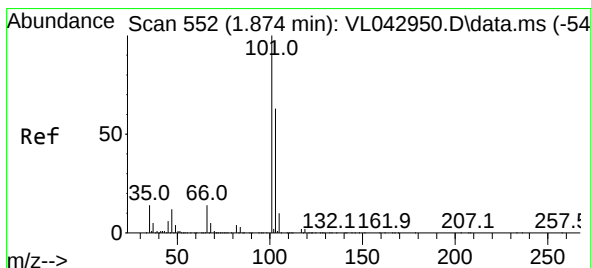
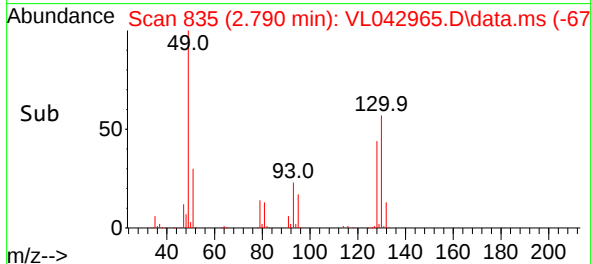
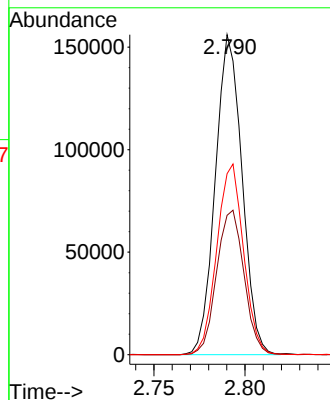
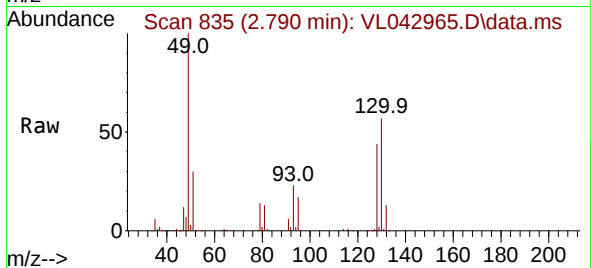




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 833
Delta R.T. 0.006 min
Lab File: VL042965.D
Acq: 22 Sep 2025 19:49

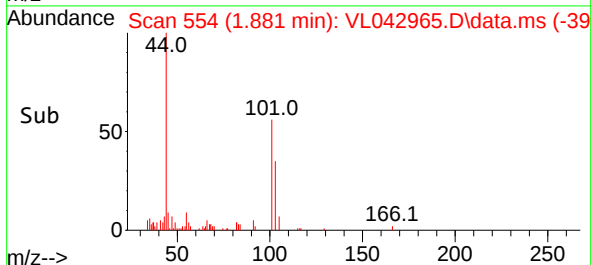
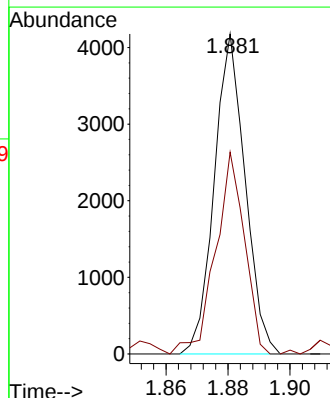
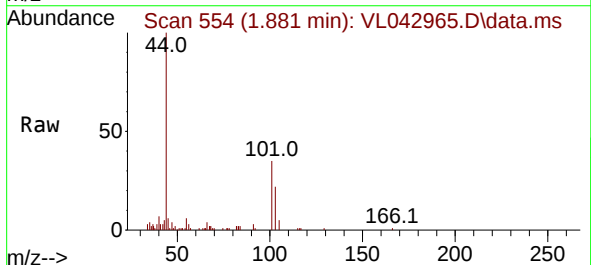
Instrument :
MSVOA_L
ClientSampleId :
SV2DL

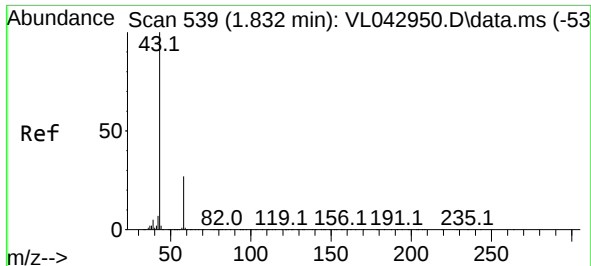
Tgt Ion: 49 Resp: 159259
Ion Ratio Lower Upper
49 100
128 46.2 22.9 68.8
130 59.8 29.1 87.3



#11
Trichlorofluoromethane
Concen: 0.140 ppbv
RT: 1.881 min Scan# 554
Delta R.T. 0.006 min
Lab File: VL042965.D
Acq: 22 Sep 2025 19:49

Tgt Ion: 101 Resp: 2884
Ion Ratio Lower Upper
101 100
103 63.0 50.1 75.1





#15

Acetone

Concen: 0.777 ppbv

RT: 1.839 min Scan# 541

Delta R.T. 0.006 min

Lab File: VL042965.D

Acq: 22 Sep 2025 19:49

Instrument :

MSVOA_L

ClientSampleId :

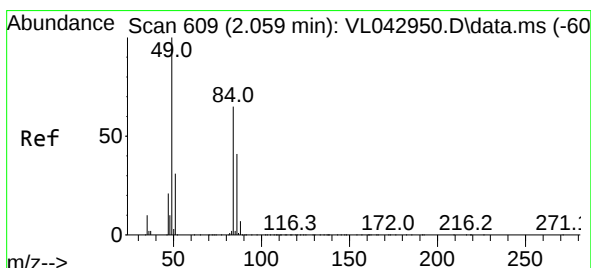
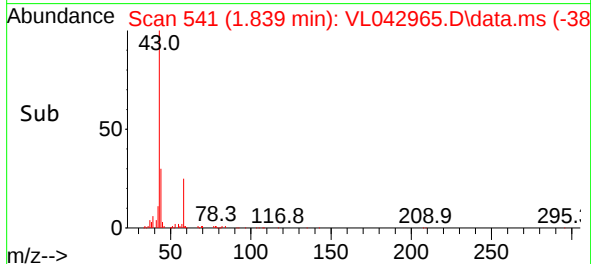
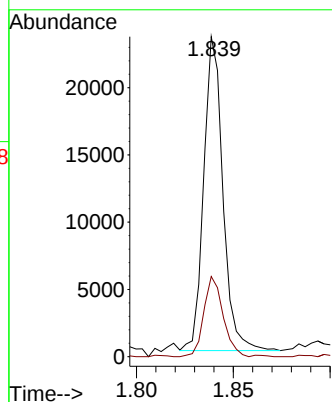
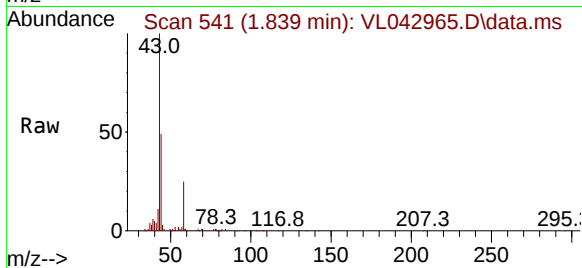
SV2DL

Tgt Ion: 43 Resp: 16126

Ion Ratio Lower Upper

43 100

58 26.2 22.3 33.5



#20

Methylene Chloride

Concen: 2.759 ppbv

RT: 2.065 min Scan# 611

Delta R.T. 0.006 min

Lab File: VL042965.D

Acq: 22 Sep 2025 19:49

Tgt Ion: 84 Resp: 20063

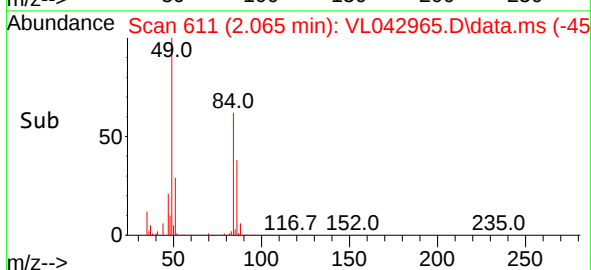
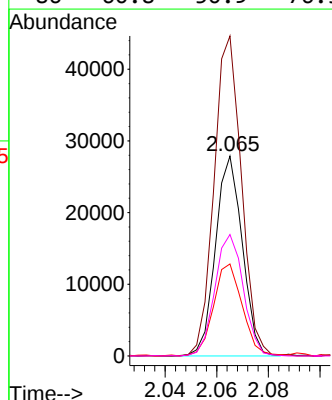
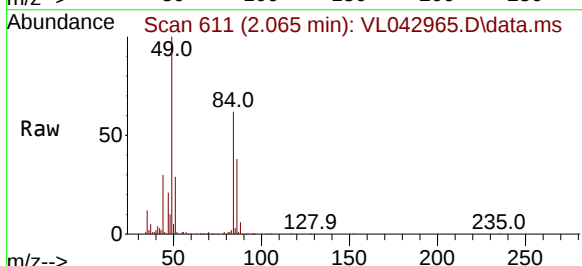
Ion Ratio Lower Upper

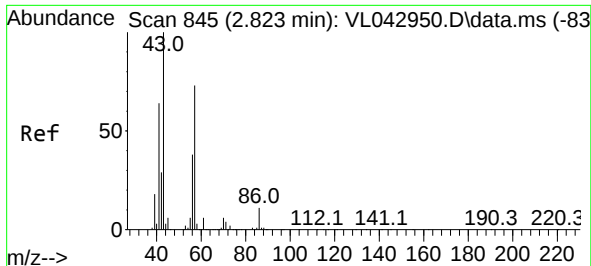
84 100

49 159.9 124.1 186.1

51 46.0 39.8 59.8

86 60.8 50.9 76.3

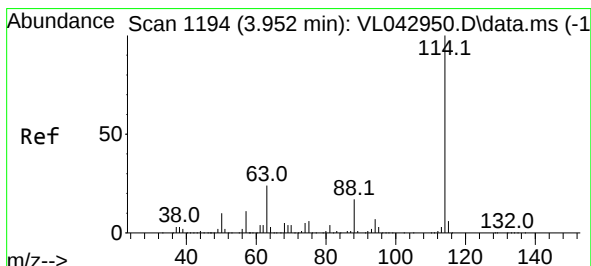
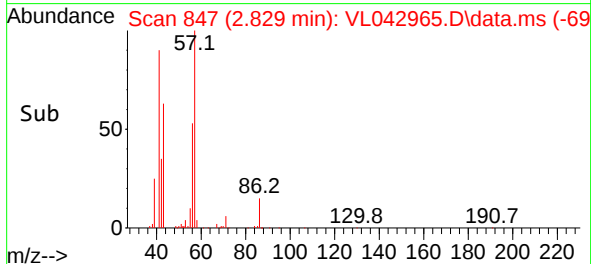
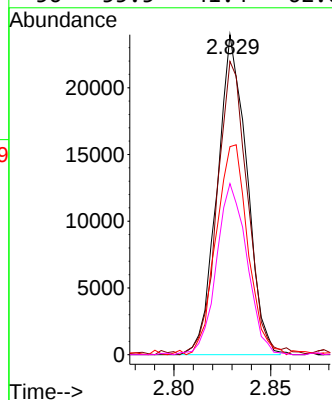
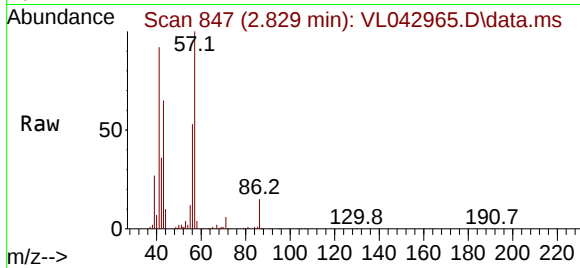




#26
Hexane
Concen: 1.067 ppbv
RT: 2.829 min Scan# 845
Delta R.T. 0.006 min
Lab File: VL042965.D
Acq: 22 Sep 2025 19:49

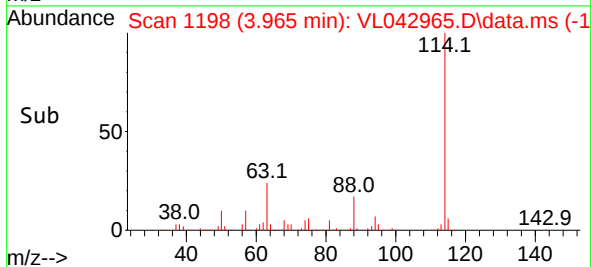
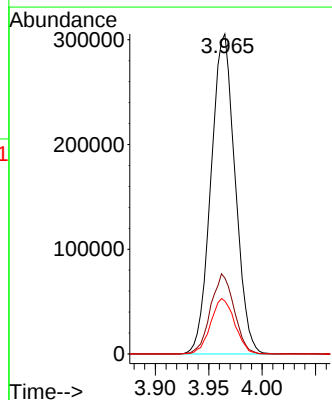
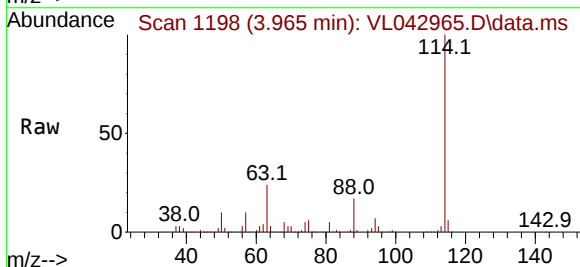
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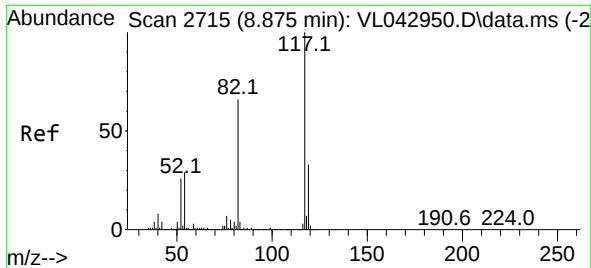
Tgt Ion: 57 Resp: 25506
Ion Ratio Lower Upper
57 100
41 96.0 71.7 107.5
43 72.0 180.8 271.2#
56 55.5 41.4 62.0



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1198
Delta R.T. 0.013 min
Lab File: VL042965.D
Acq: 22 Sep 2025 19:49

Tgt Ion: 114 Resp: 479324
Ion Ratio Lower Upper
114 100
63 24.6 19.4 29.2
88 17.4 14.2 21.2

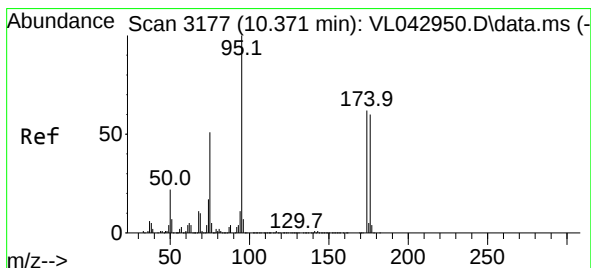
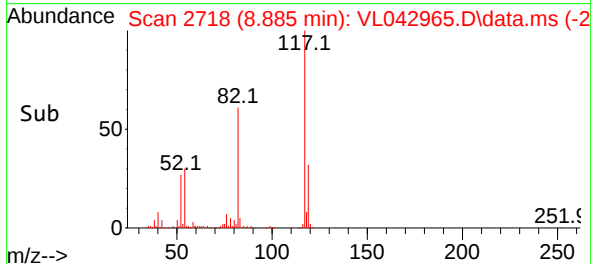
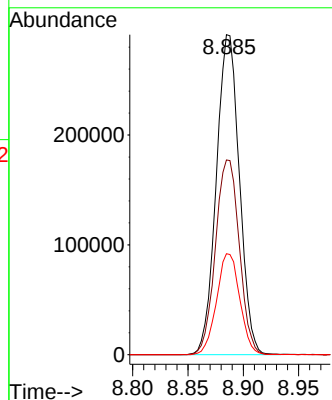
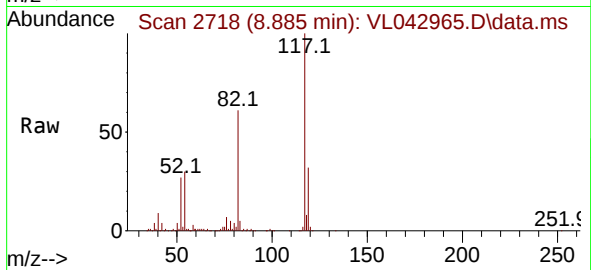




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL042965.D
Acq: 22 Sep 2025 19:49

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Tgt Ion: 117 Resp: 422943
Ion Ratio Lower Upper
117 100
82 62.9 52.8 79.2
119 31.8 26.5 39.7



#68
1-Bromo-4-Fluorobenzene
Concen: 9.749 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. 0.010 min
Lab File: VL042965.D
Acq: 22 Sep 2025 19:49

Tgt Ion: 95 Resp: 307794
Ion Ratio Lower Upper
95 100
174 64.4 51.4 77.2
175 4.7 4.0 6.0

