

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120825\
 Data File : VL043322.D
 Acq On : 08 Dec 2025 20:50
 Operator : SY/MD
 Sample : Q3799-03DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 10-IA-1DL

Quant Time: Dec 09 00:15:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Nov 19 01:11:25 2025
 Response via : Initial Calibration

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

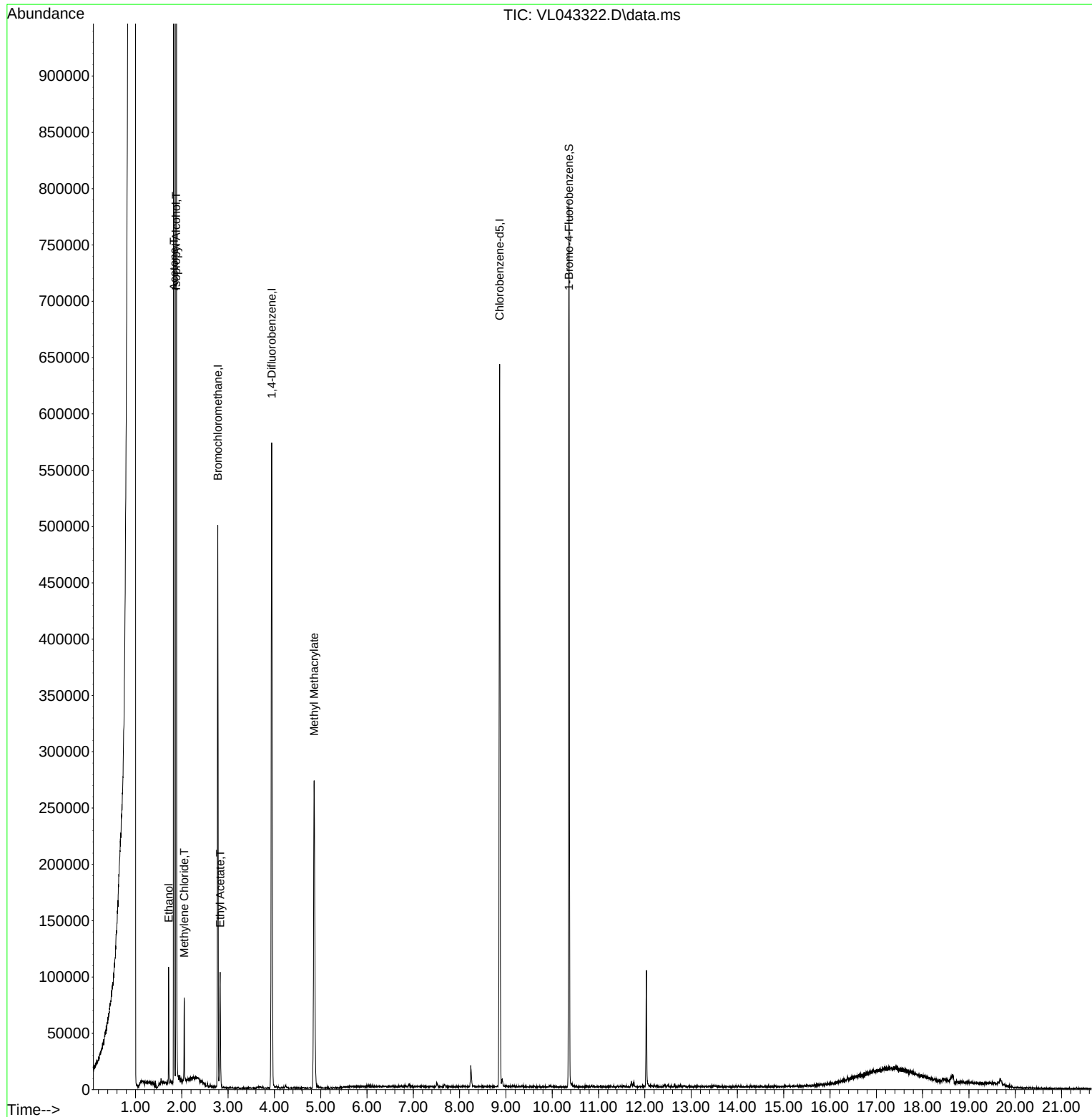
Internal Standards						
1) Bromochloromethane	2.778	49	129360	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.943	114	324163	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.866	117	261825	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.361	95	186988	9.743	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.400%
Target Compounds						
					Qvalue	
13) Ethanol	1.716	45	34680	12.944	ppbv	100
15) Acetone	1.829	43	2615938	145.553	ppbv #	66
19) Isopropyl Alcohol	1.878	45	1280827	126.119	ppbv #	20
20) Methylene Chloride	2.056	84	11227	1.449	ppbv	86
25) Ethyl Acetate	2.829	43	67451	1.740	ppbv #	92
43) Methyl Methacrylate	4.859	69	94519	5.736	ppbv	96

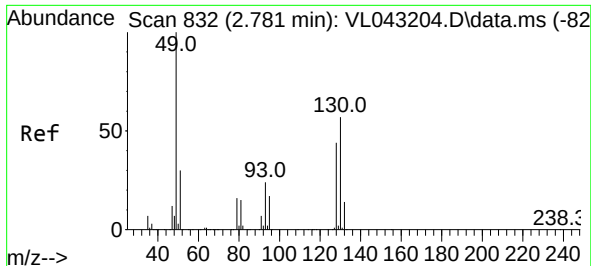
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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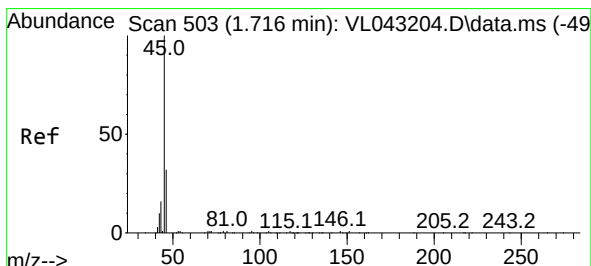
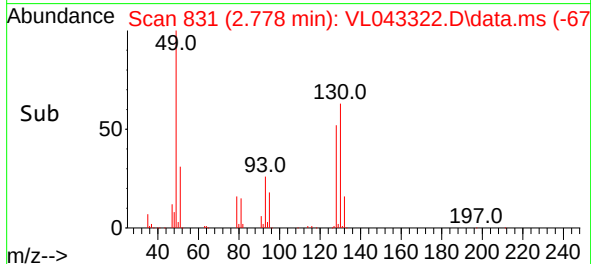
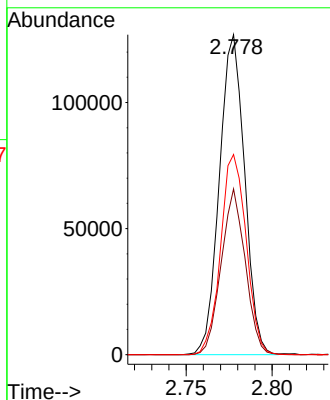
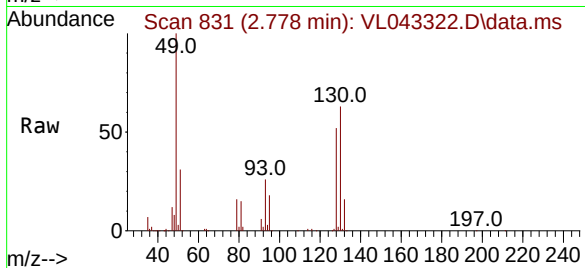




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.778 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL043322.D
Acq: 08 Dec 2025 20:50

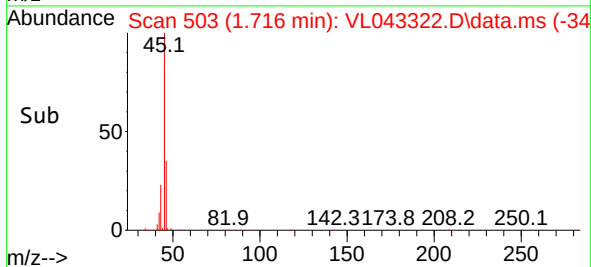
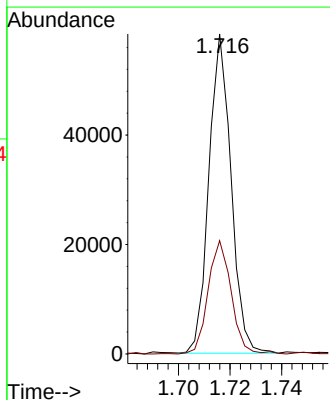
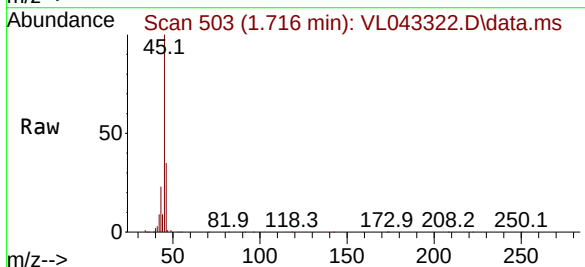
Instrument :
MSVOA_L
ClientSampleId :
10-IA-1DL

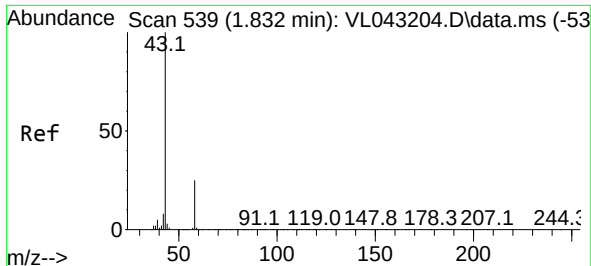
Tgt Ion: 49 Resp: 129360
Ion Ratio Lower Upper
49 100
128 49.5 23.0 69.0
130 63.4 29.9 89.7



#13
Ethanol
Concen: 12.944 ppbv
RT: 1.716 min Scan# 503
Delta R.T. 0.000 min
Lab File: VL043322.D
Acq: 08 Dec 2025 20:50

Tgt Ion: 45 Resp: 34680
Ion Ratio Lower Upper
45 100
46 37.5 15.0 59.8

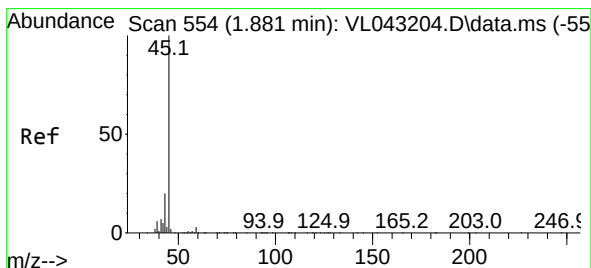
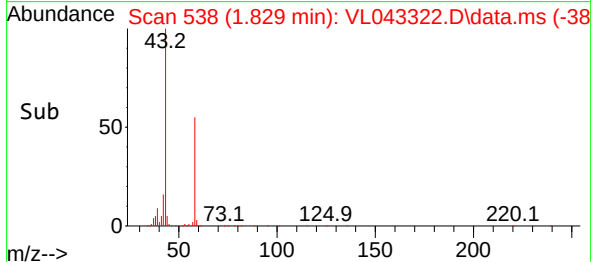
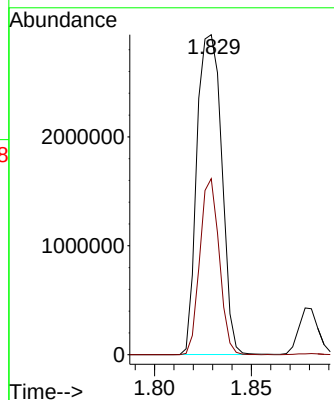
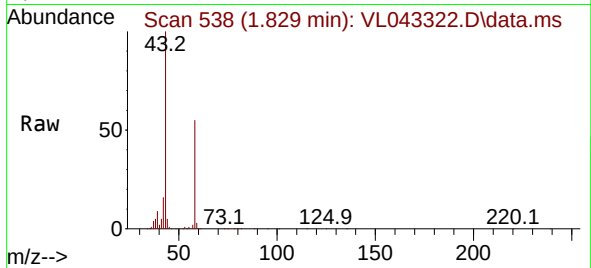




#15
Acetone
Concen: 145.553 ppbv
RT: 1.829 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL043322.D
Acq: 08 Dec 2025 20:50

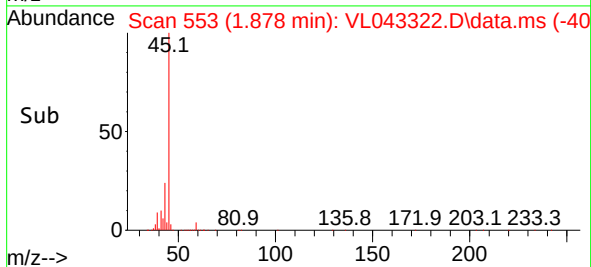
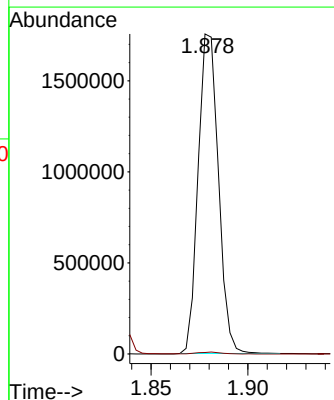
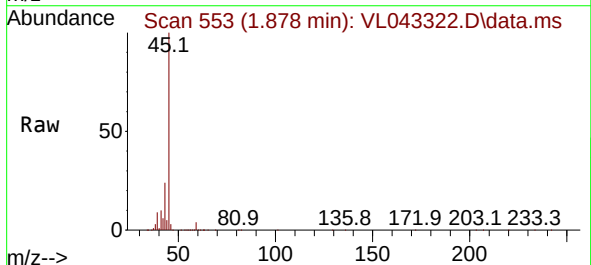
Instrument :
MSVOA_L
ClientSampleId :
10-IA-1DL

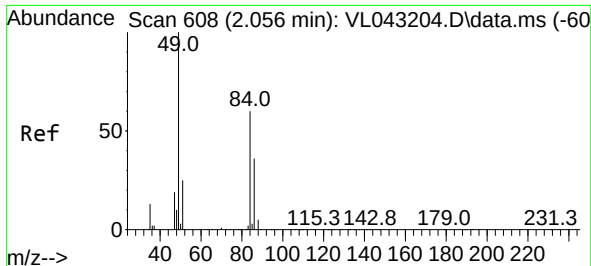
Tgt Ion: 43 Resp: 2615938
Ion Ratio Lower Upper
43 100
58 43.0 20.7 31.1#



#19
Isopropyl Alcohol
Concen: 126.119 ppbv
RT: 1.878 min Scan# 553
Delta R.T. -0.003 min
Lab File: VL043322.D
Acq: 08 Dec 2025 20:50

Tgt Ion: 45 Resp: 1280827
Ion Ratio Lower Upper
45 100
58 87.9 31.3 46.9#



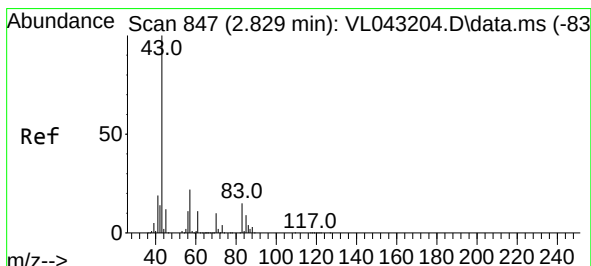
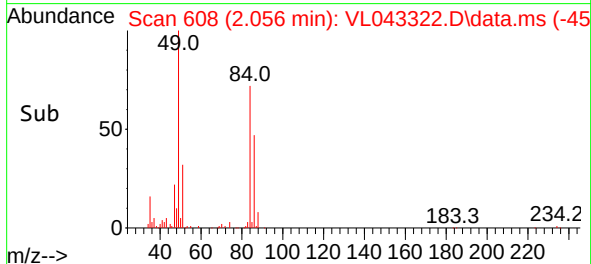
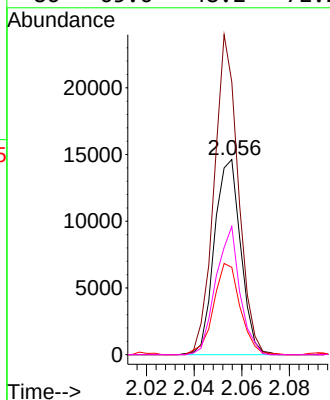
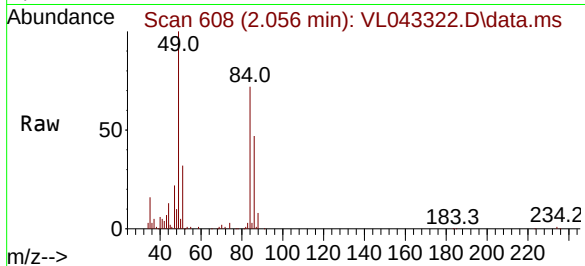


#20
Methylene Chloride
Concen: 1.449 ppbv
RT: 2.056 min Scan# 608
Delta R.T. -0.000 min
Lab File: VL043322.D
Acq: 08 Dec 2025 20:50

Instrument :
MSVOA_L
ClientSampleId :
10-IA-1DL

Tgt Ion: 84 Resp: 11227

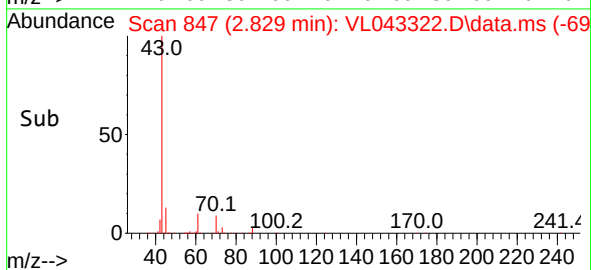
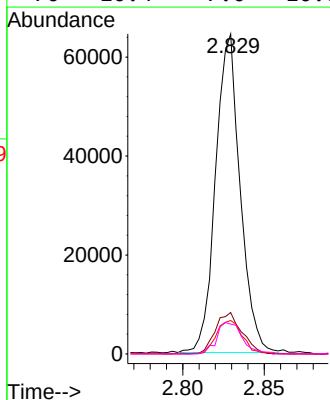
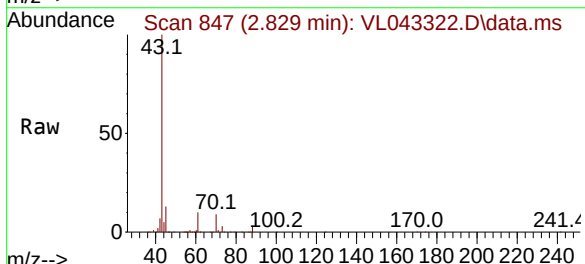
Ion	Ratio	Lower	Upper
84	100		
49	139.7	132.9	199.3
51	44.7	34.8	52.2
86	65.6	48.2	72.2

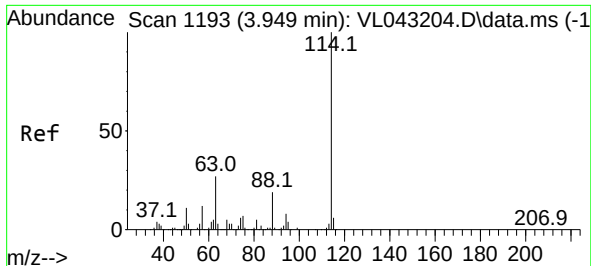


#25
Ethyl Acetate
Concen: 1.740 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.000 min
Lab File: VL043322.D
Acq: 08 Dec 2025 20:50

Tgt Ion: 43 Resp: 67451

Ion	Ratio	Lower	Upper
43	100		
45	14.3	8.1	12.1#
61	11.1	7.0	10.4#
70	10.4	7.0	10.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.943 min Scan# 1191

Delta R.T. -0.006 min

Lab File: VL043322.D

Acq: 08 Dec 2025 20:50

Instrument :

MSVOA_L

ClientSampleId :

10-IA-1DL

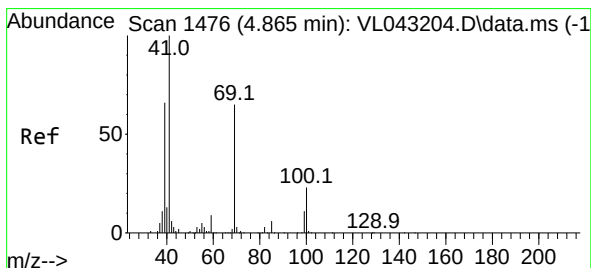
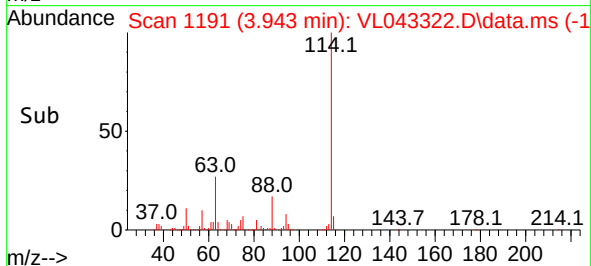
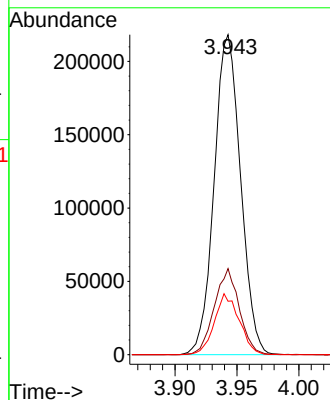
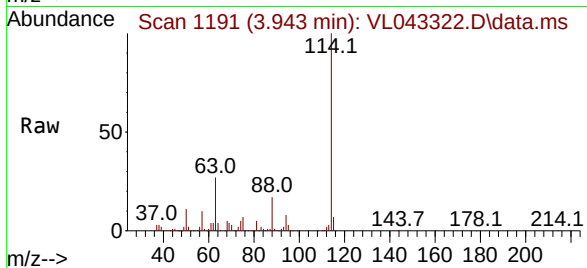
Tgt Ion:114 Resp: 324163

Ion Ratio Lower Upper

114 100

63 25.5 21.0 31.6

88 17.9 14.9 22.3



#43

Methyl Methacrylate

Concen: 5.736 ppbv

RT: 4.859 min Scan# 1474

Delta R.T. -0.006 min

Lab File: VL043322.D

Acq: 08 Dec 2025 20:50

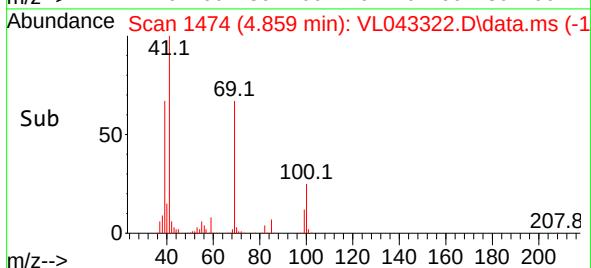
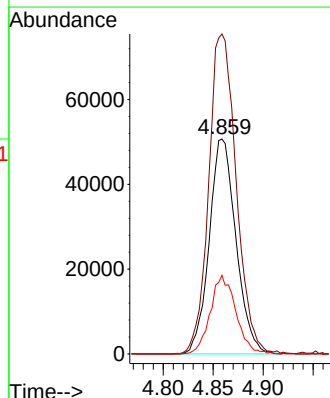
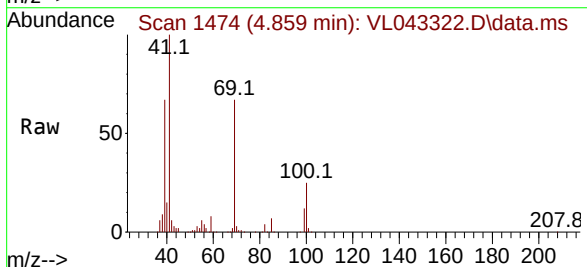
Tgt Ion: 69 Resp: 94519

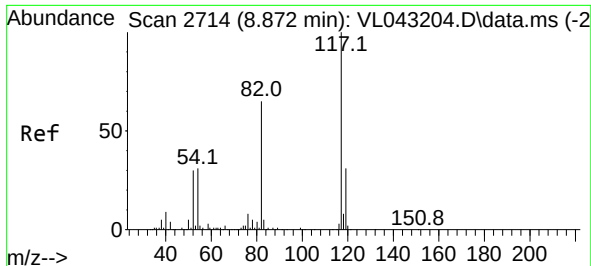
Ion Ratio Lower Upper

69 100

41 152.9 126.7 190.1

100 34.9 28.6 43.0

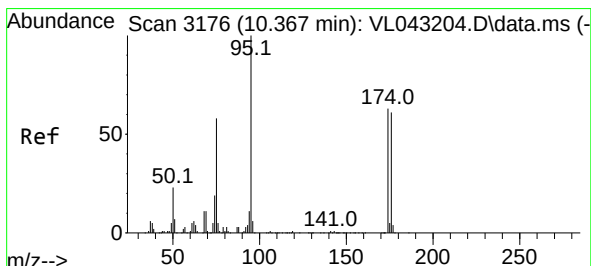
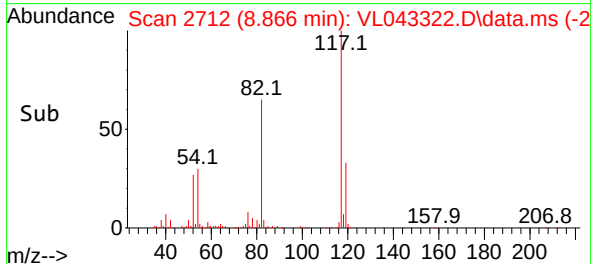
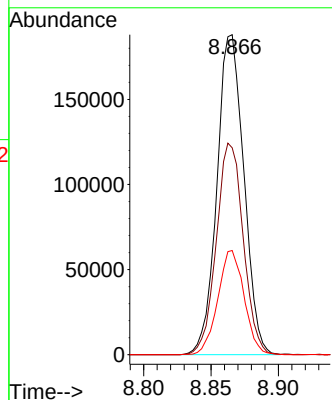
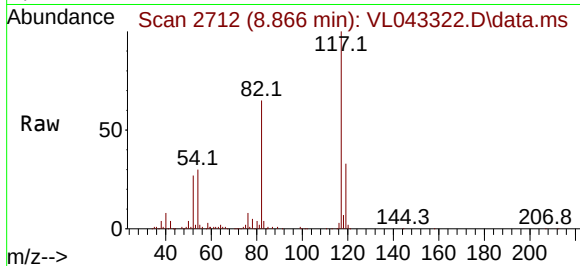




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.866 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL043322.D
Acq: 08 Dec 2025 20:50

Instrument :
MSVOA_L
ClientSampleId :
10-IA-1DL

Tgt Ion:117 Resp: 261825
Ion Ratio Lower Upper
117 100
82 66.1 56.1 84.1
119 31.8 25.0 37.6



#68
1-Bromo-4-Fluorobenzene
Concen: 9.743 ppbv
RT: 10.361 min Scan# 3174
Delta R.T. -0.006 min
Lab File: VL043322.D
Acq: 08 Dec 2025 20:50

Tgt Ion: 95 Resp: 186988
Ion Ratio Lower Upper
95 100
174 69.2 50.2 75.2
175 4.9 4.1 6.1

