

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111925\
 Data File : VL043233.D
 Acq On : 19 Nov 2025 11:11
 Operator : SY/MD
 Sample : VL1119ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1119ABL01

Quant Time: Nov 20 00:02:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-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)

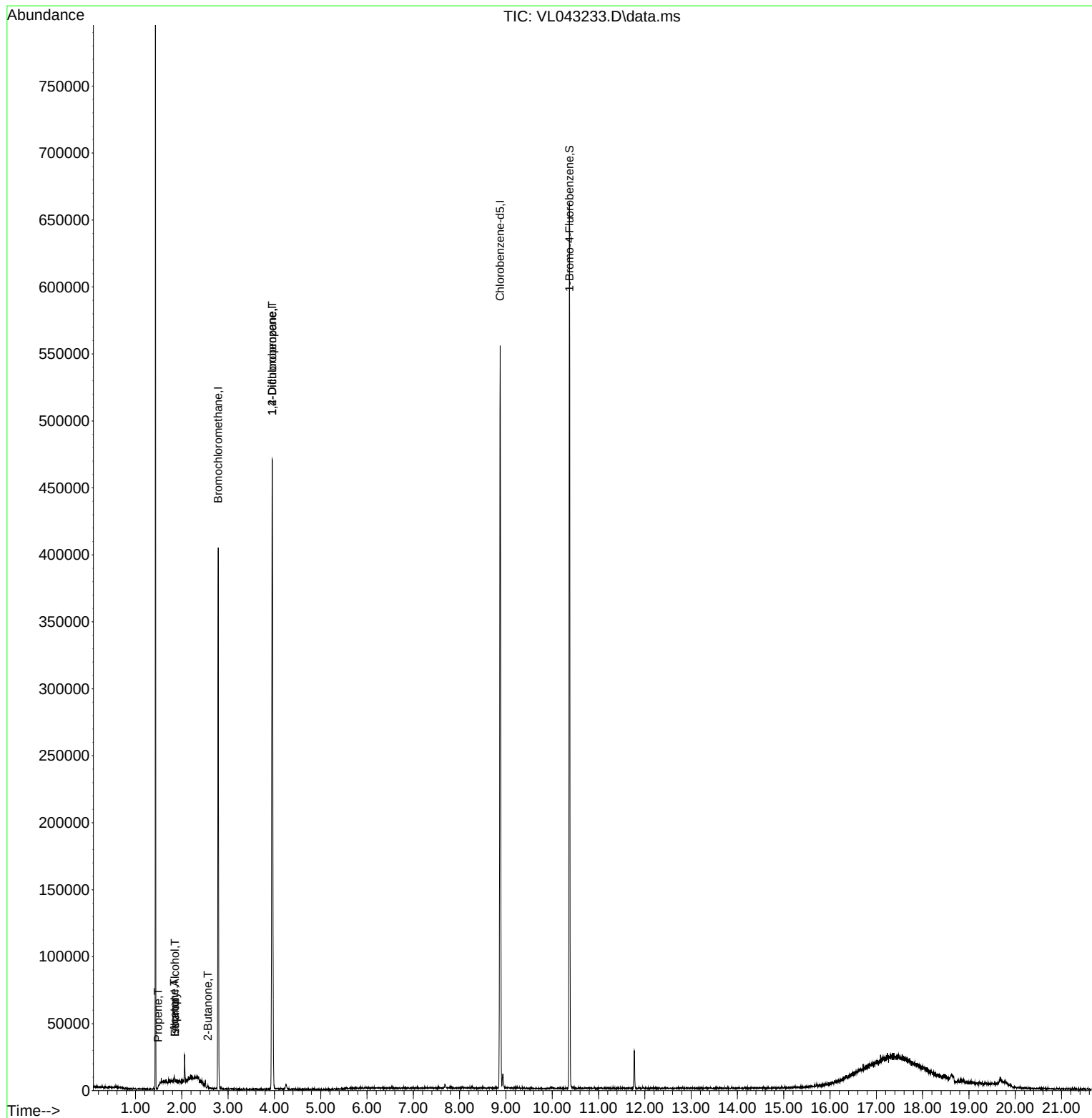
Internal Standards						
1) Bromochloromethane	2.787	49	100515	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	277905	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	219972	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	161002	9.985	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.900%
Target Compounds						
					Qvalue	
9) Propene	1.489	41	179	0.030	ppbv #	1
13) Ethanol	1.855	45	246	0.118	ppbv	66
15) Acetone	1.835	43	1817	0.130	ppbv #	39
19) Isopropyl Alcohol	1.855	45	246	0.031	ppbv #	1
20) Methylene Chloride	2.059	84	3155	Below Cal		96
34) 2-Butanone	2.564	43	812	0.041	ppbv #	86
39) 1,2-Dichloropropane	3.955	63	71394	7.329	ppbv #	25

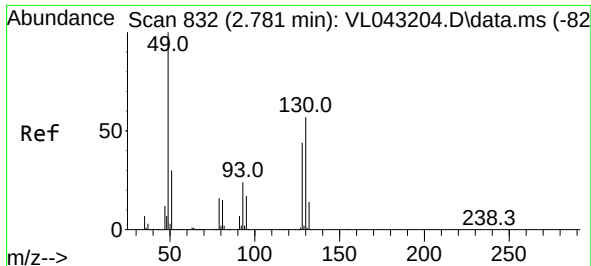
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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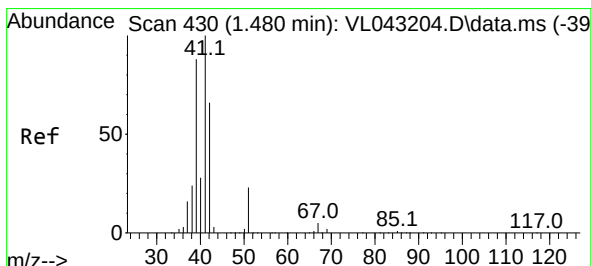
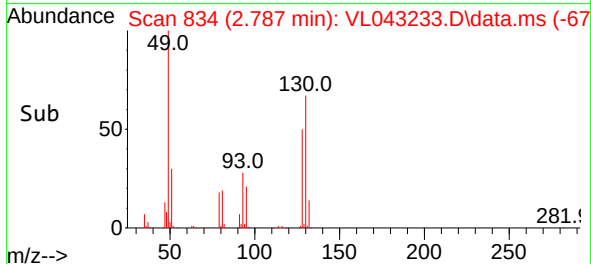
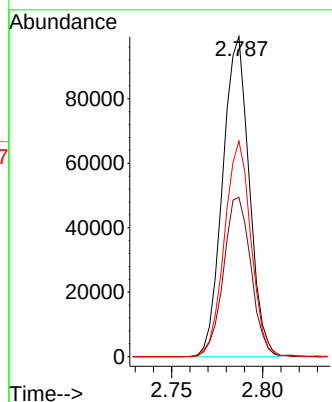
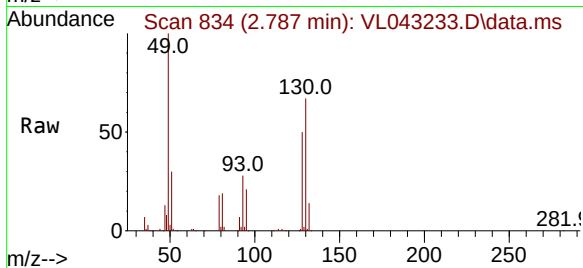




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL043233.D
Acq: 19 Nov 2025 11:11

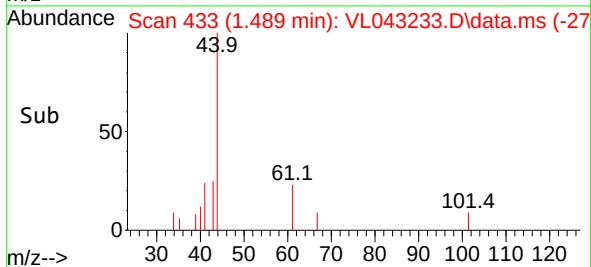
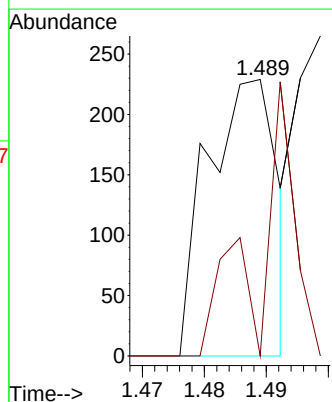
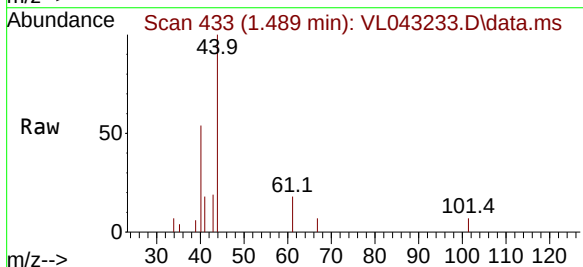
Instrument :
MSVOA_L
ClientSampleId :
VL1119ABL01

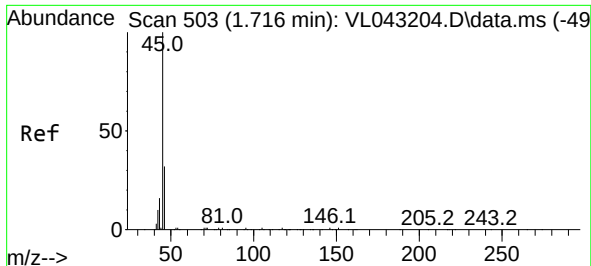
Tgt Ion: 49 Resp: 100515
Ion Ratio Lower Upper
49 100
128 51.6 23.0 69.0
130 67.4 29.9 89.7



#9
Propene
Concen: 0.030 ppbv
RT: 1.489 min Scan# 433
Delta R.T. 0.009 min
Lab File: VL043233.D
Acq: 19 Nov 2025 11:11

Tgt Ion: 41 Resp: 179
Ion Ratio Lower Upper
41 100
42 51.4 3.7 5.5#

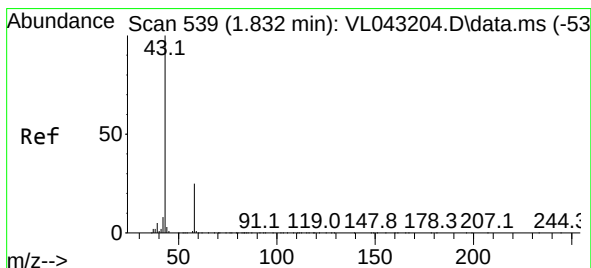
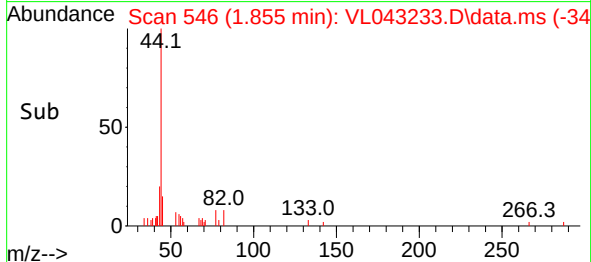
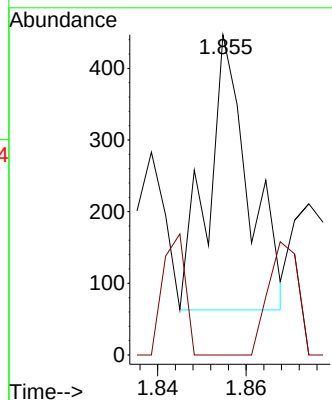
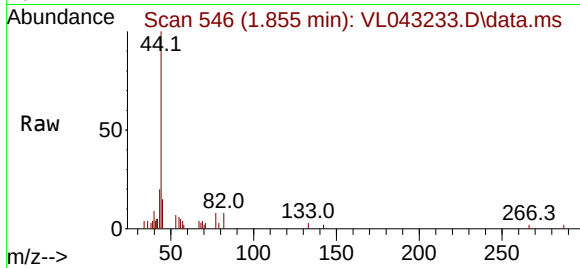




#13
Ethanol
Concen: 0.118 ppbv
RT: 1.855 min Scan# 54
Delta R.T. 0.139 min
Lab File: VL043233.D
Acq: 19 Nov 2025 11:11

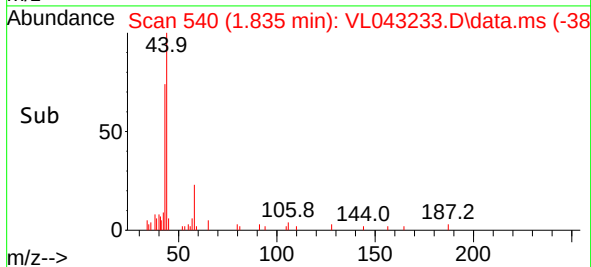
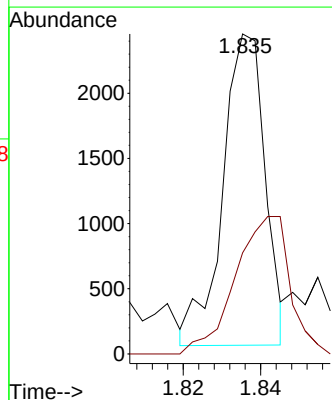
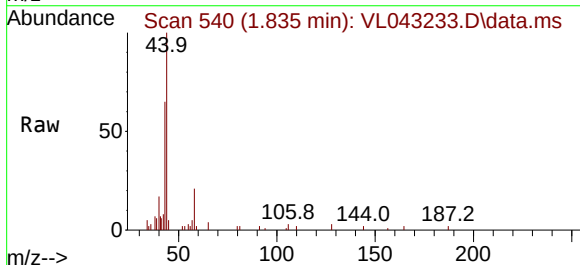
Instrument :
MSVOA_L
ClientSampleId :
VL1119ABL01

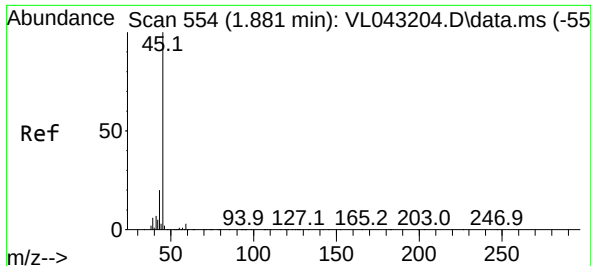
Tgt Ion: 45 Resp: 246
Ion Ratio Lower Upper
45 100
46 57.7 15.0 59.8



#15
Acetone
Concen: 0.130 ppbv
RT: 1.835 min Scan# 540
Delta R.T. 0.003 min
Lab File: VL043233.D
Acq: 19 Nov 2025 11:11

Tgt Ion: 43 Resp: 1817
Ion Ratio Lower Upper
43 100
58 56.9 20.7 31.1#

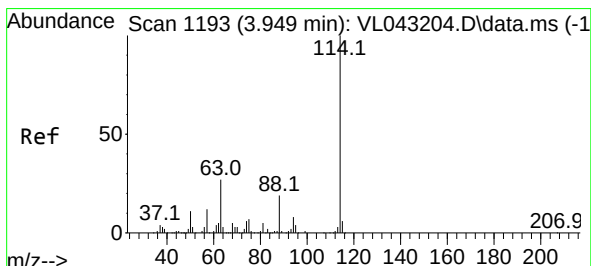
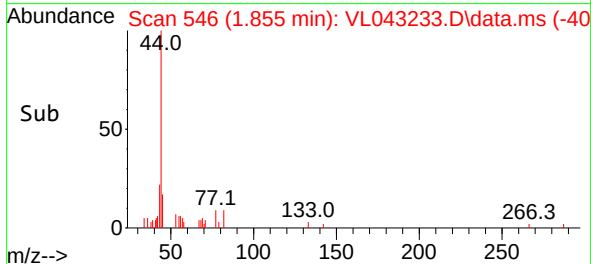
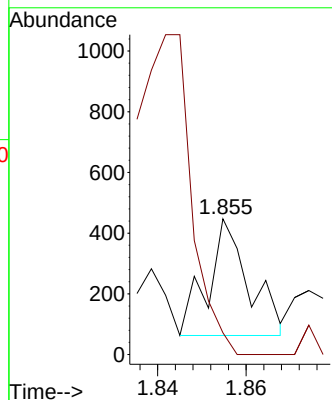
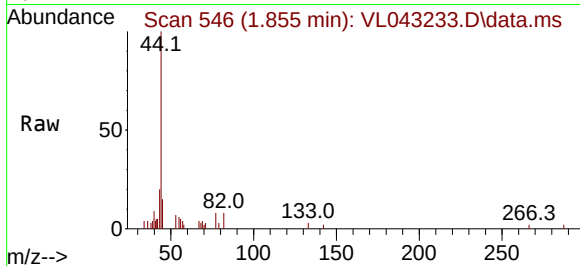




#19
Isopropyl Alcohol
Concen: 0.031 ppbv
RT: 1.855 min Scan# 54
Delta R.T. -0.026 min
Lab File: VL043233.D
Acq: 19 Nov 2025 11:11

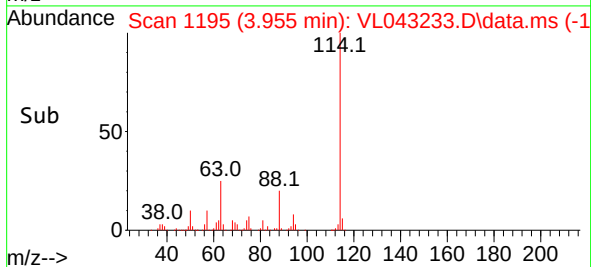
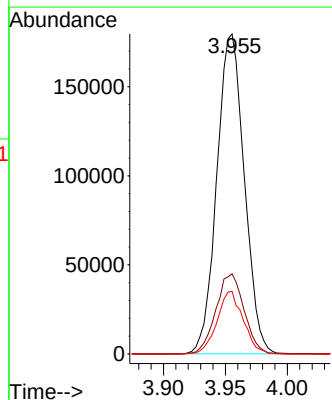
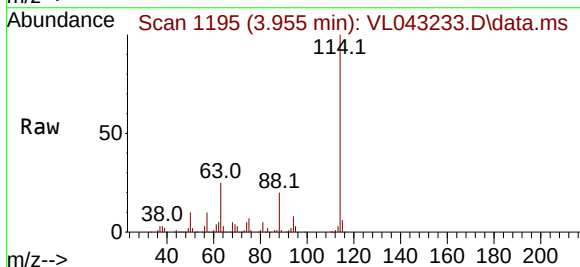
Instrument :
MSVOA_1
ClientSampleId :
VL1119ABL01

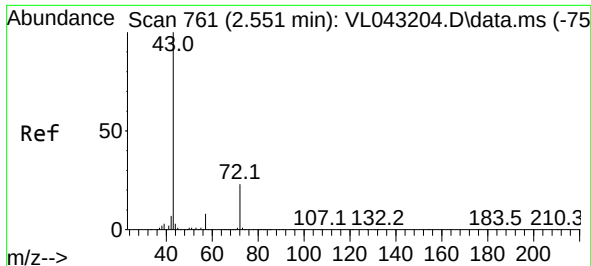
Tgt Ion: 45 Resp: 246
Ion Ratio Lower Upper
45 100
58 420.3 31.3 46.9#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 1195
Delta R.T. 0.006 min
Lab File: VL043233.D
Acq: 19 Nov 2025 11:11

Tgt Ion: 114 Resp: 277905
Ion Ratio Lower Upper
114 100
63 25.7 21.0 31.6
88 18.5 14.9 22.3

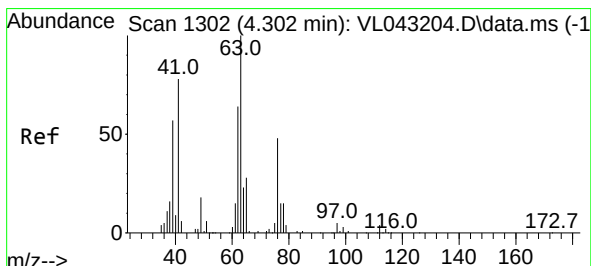
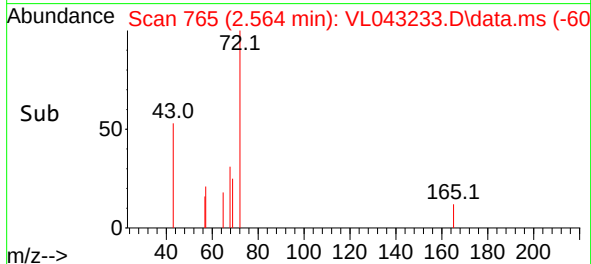
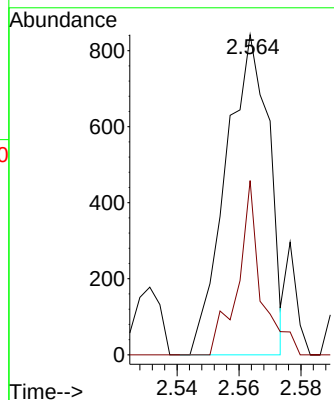
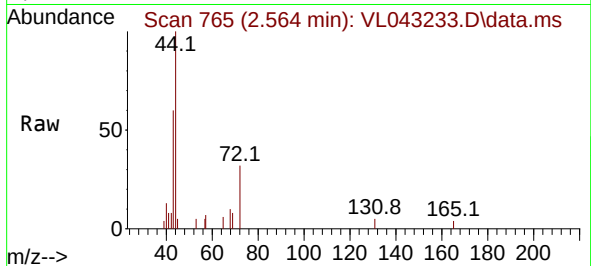




#34
2-Butanone
Concen: 0.041 ppbv
RT: 2.564 min Scan# 71
Delta R.T. 0.013 min
Lab File: VL043233.D
Acq: 19 Nov 2025 11:11

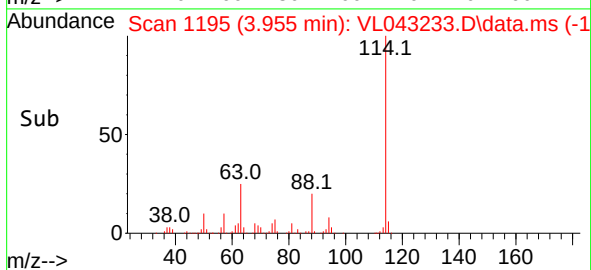
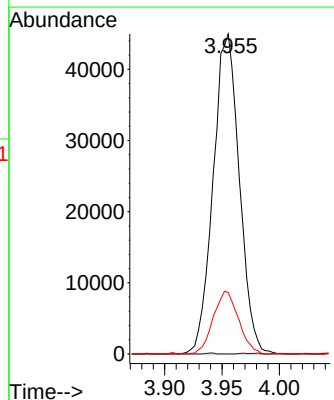
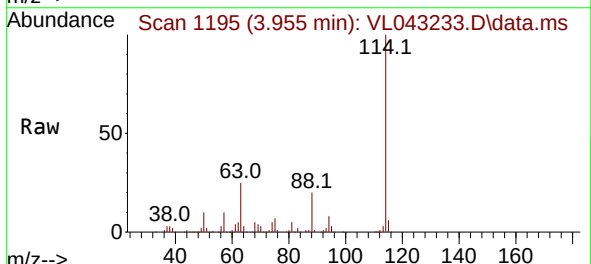
Instrument :
MSVOA_1
ClientSampleId :
VL1119ABL01

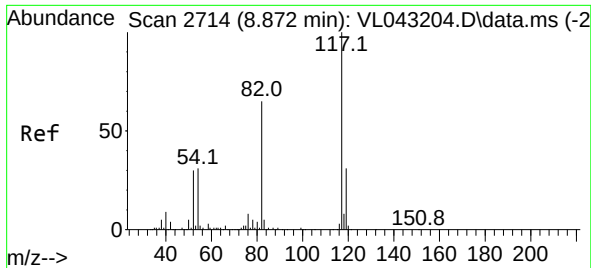
Tgt Ion: 43 Resp: 812
Ion Ratio Lower Upper
43 100
72 29.4 18.1 27.1#



#39
1,2-Dichloropropane
Concen: 7.329 ppbv
RT: 3.955 min Scan# 1195
Delta R.T. -0.347 min
Lab File: VL043233.D
Acq: 19 Nov 2025 11:11

Tgt Ion: 63 Resp: 71394
Ion Ratio Lower Upper
63 100
41 0.0 62.6 93.8#
62 19.2 51.0 76.6#

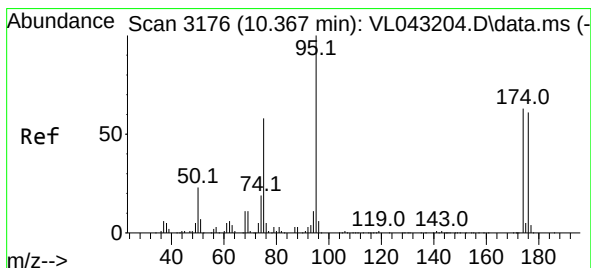
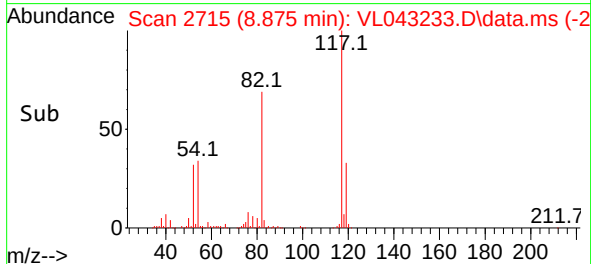
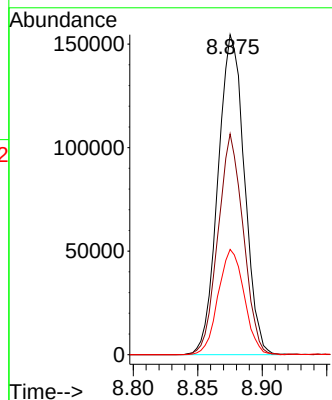
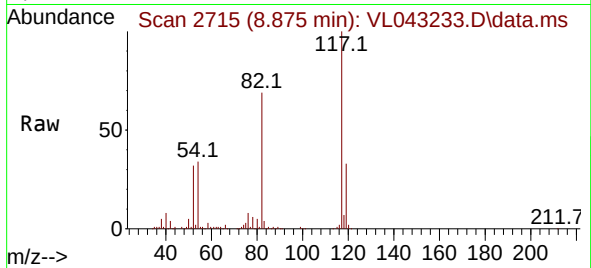




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL043233.D
Acq: 19 Nov 2025 11:11

Instrument :
MSVOA_1
ClientSampleId :
VL1119ABL01

Tgt Ion:117 Resp: 219972
Ion Ratio Lower Upper
117 100
82 66.0 56.1 84.1
119 32.6 25.0 37.6



#68
1-Bromo-4-Fluorobenzene
Concen: 9.985 ppbv
RT: 10.370 min Scan# 3177
Delta R.T. 0.003 min
Lab File: VL043233.D
Acq: 19 Nov 2025 11:11

Tgt Ion: 95 Resp: 161002
Ion Ratio Lower Upper
95 100
174 66.0 50.2 75.2
175 4.9 4.1 6.1

