

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120225\
 Data File : VL043302.D
 Acq On : 03 Dec 2025 07:41
 Operator : SY/MD
 Sample : QC1125 25 CAN 10269
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC1125 25 CAN 10269

Quant Time: Dec 04 00:08:32 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)

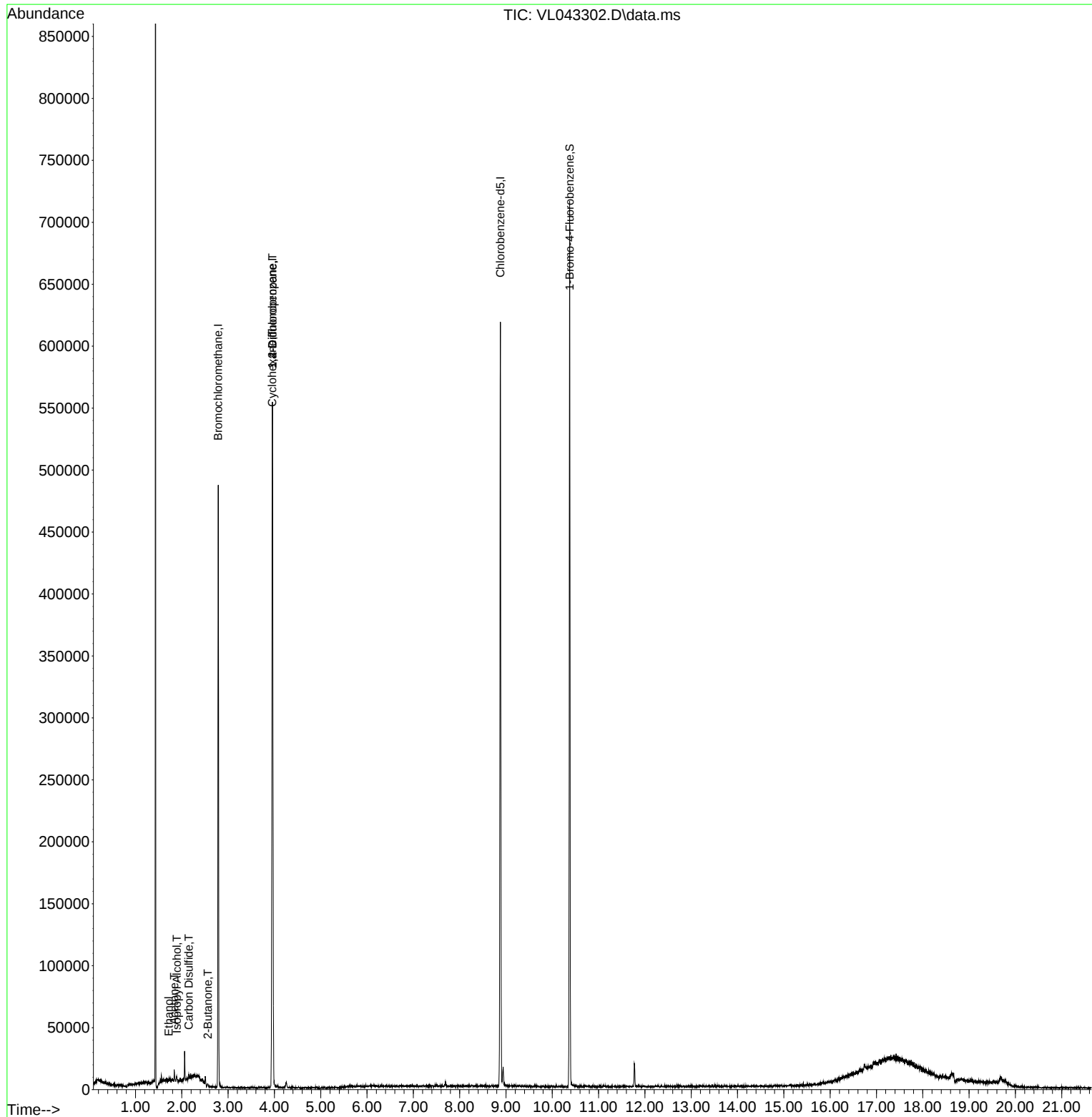
Internal Standards						
1) Bromochloromethane	2.787	49	125962	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	321828	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	240845	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	166485	9.430	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.300%
Target Compounds						
13) Ethanol	1.719	45	385	0.148	ppbv	85
15) Acetone	1.835	43	3607	0.206	ppbv #	77
19) Isopropyl Alcohol	1.890	45	1847	0.187	ppbv #	36
20) Methylene Chloride	2.062	84	3225	Below Cal	#	78
27) Carbon Disulfide	2.149	76	1227	0.073	ppbv #	1
30) Cyclohexane	3.952	84	1041	0.075	ppbv #	1
34) 2-Butanone	2.560	43	1301	0.057	ppbv	93
39) 1,2-Dichloropropane	3.959	63	82801	7.340	ppbv #	25

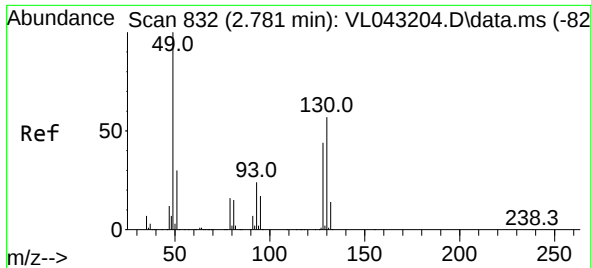
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL11825AIR.M
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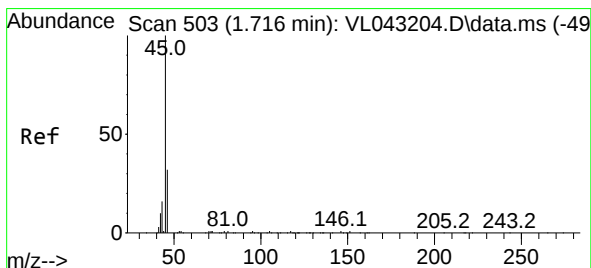
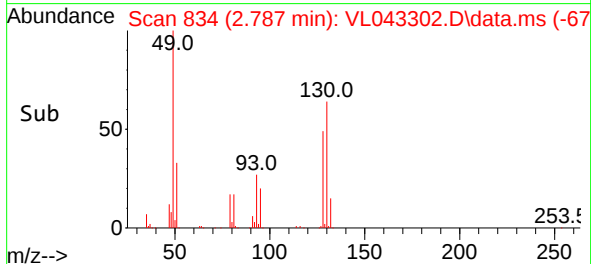
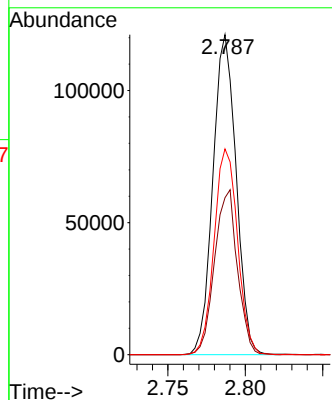
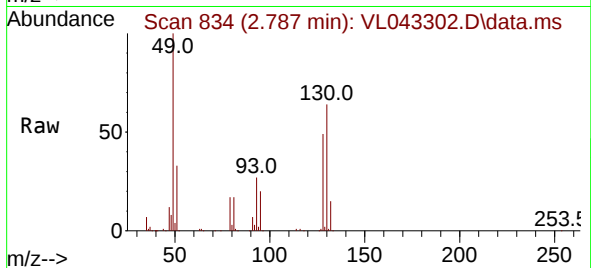




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL043302.D
Acq: 03 Dec 2025 07:41

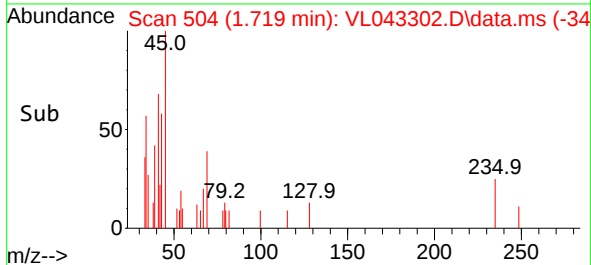
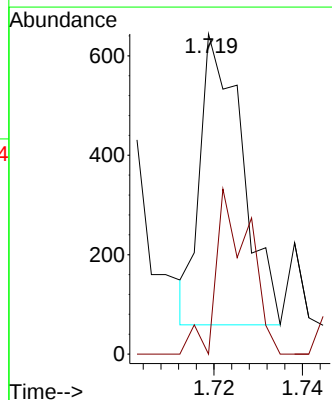
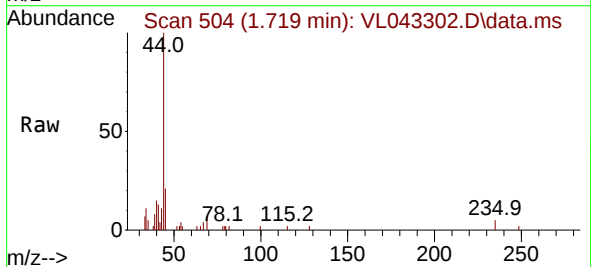
Instrument :
MSVOA_L
ClientSampleId :
QC1125 25 CAN 10269

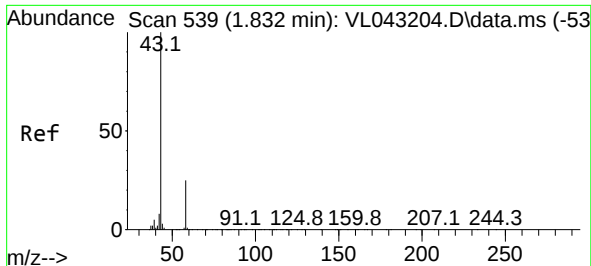
Tgt Ion: 49 Resp: 125962
Ion Ratio Lower Upper
49 100
128 50.9 23.0 69.0
130 65.0 29.9 89.7



#13
Ethanol
Concen: 0.148 ppbv
RT: 1.719 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL043302.D
Acq: 03 Dec 2025 07:41

Tgt Ion: 45 Resp: 385
Ion Ratio Lower Upper
45 100
46 46.2 15.0 59.8

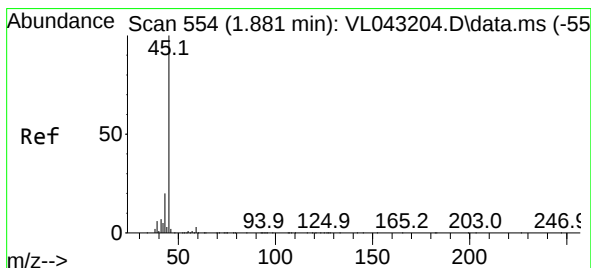
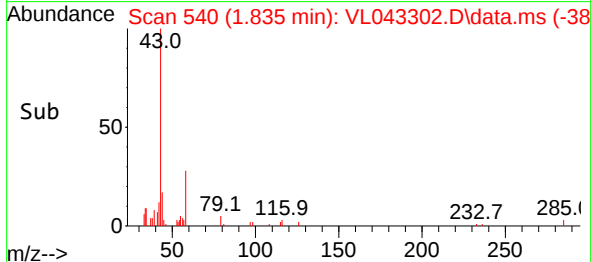
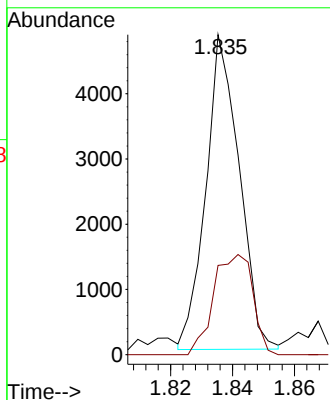
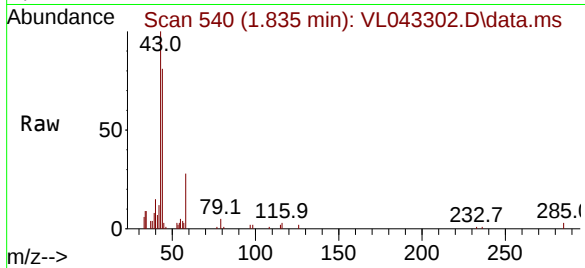




#15
Acetone
Concen: 0.206 ppbv
RT: 1.835 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL043302.D
Acq: 03 Dec 2025 07:41

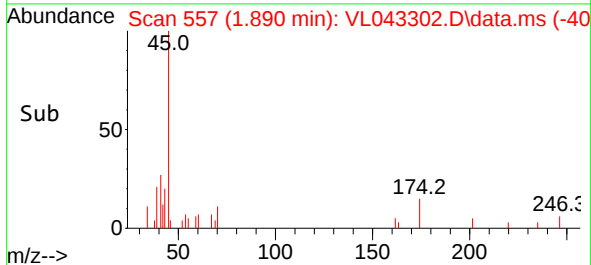
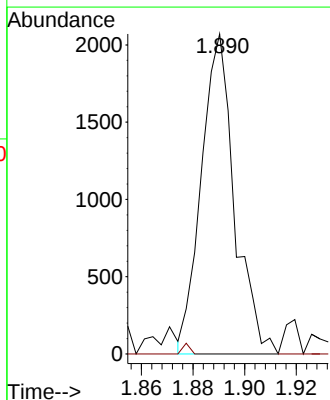
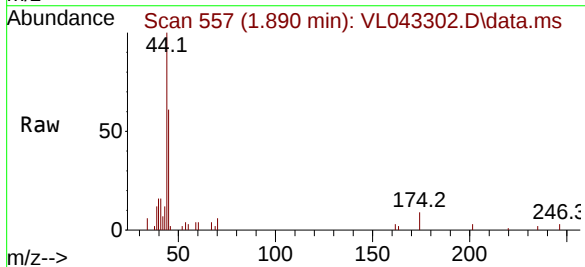
Instrument :
MSVOA_L
ClientSampleId :
QC1125 25 CAN 10269

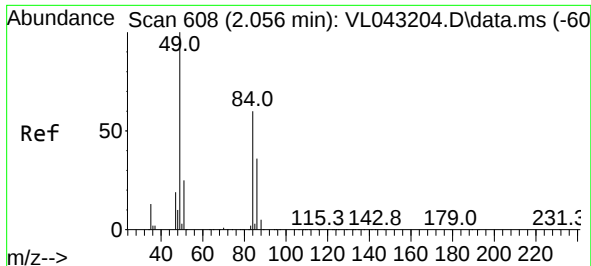
Tgt Ion: 43 Resp: 3607
Ion Ratio Lower Upper
43 100
58 37.4 20.7 31.1#



#19
Isopropyl Alcohol
Concen: 0.187 ppbv
RT: 1.890 min Scan# 557
Delta R.T. 0.009 min
Lab File: VL043302.D
Acq: 03 Dec 2025 07:41

Tgt Ion: 45 Resp: 1847
Ion Ratio Lower Upper
45 100
58 0.0 31.3 46.9#



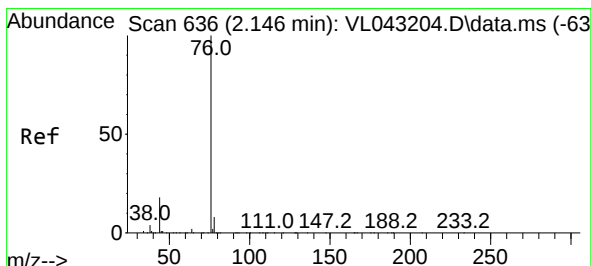
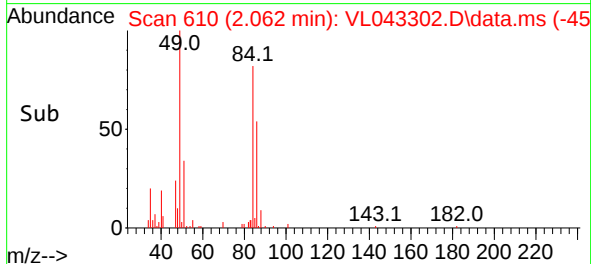
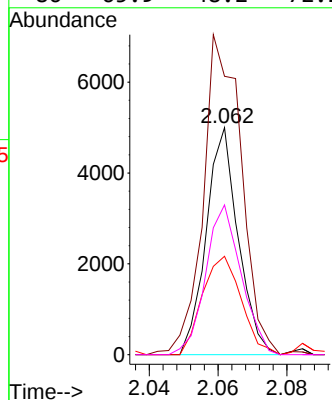
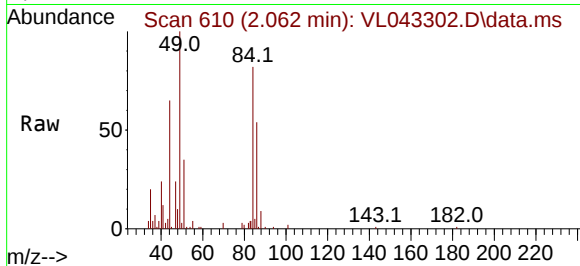


#20
Methylene Chloride
Concen: Below Cal
RT: 2.062 min Scan# 610
Delta R.T. 0.006 min
Lab File: VL043302.D
Acq: 03 Dec 2025 07:41

Instrument :
MSVOA_L
ClientSampleId :
QC1125 25 CAN 10269

Tgt Ion: 84 Resp: 3225

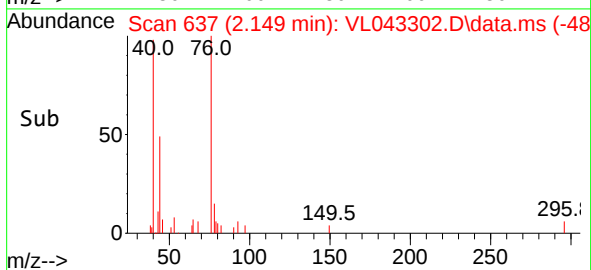
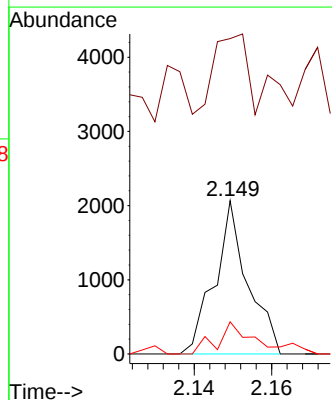
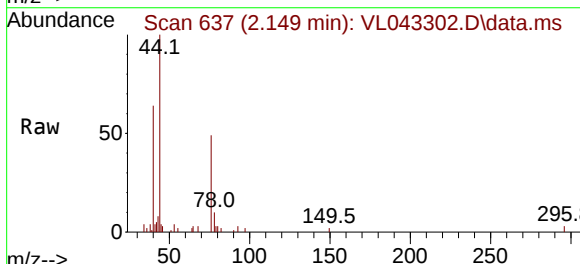
Ion	Ratio	Lower	Upper
84	100		
49	122.6	132.9	199.3#
51	43.3	34.8	52.2
86	65.9	48.2	72.2

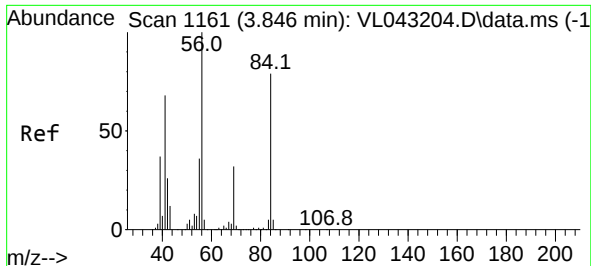


#27
Carbon Disulfide
Concen: 0.073 ppbv
RT: 2.149 min Scan# 637
Delta R.T. 0.003 min
Lab File: VL043302.D
Acq: 03 Dec 2025 07:41

Tgt Ion: 76 Resp: 1227

Ion	Ratio	Lower	Upper
76	100		
44	398.7	16.1	24.1#
78	27.7	9.6	14.4#

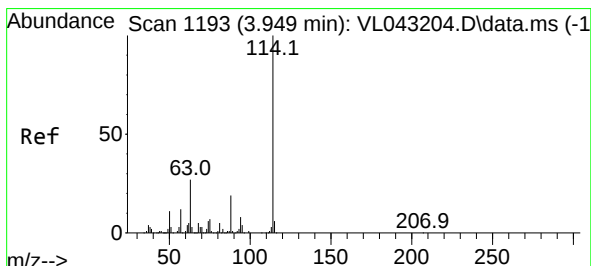
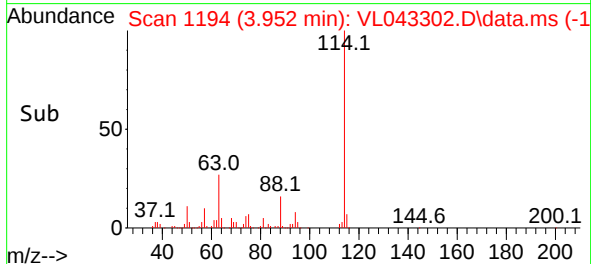
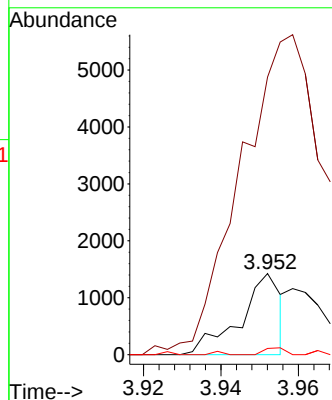
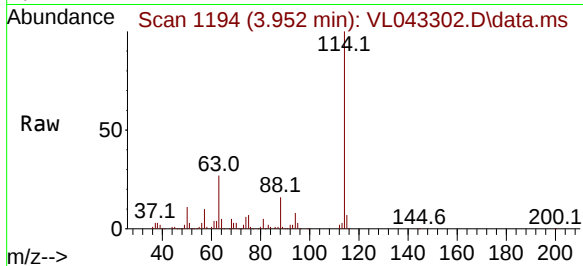




#30
Cyclohexane
Concen: 0.075 ppbv
RT: 3.952 min Scan# 1119
Delta R.T. 0.106 min
Lab File: VL043302.D
Acq: 03 Dec 2025 07:41

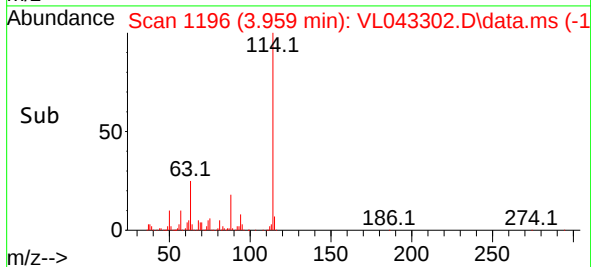
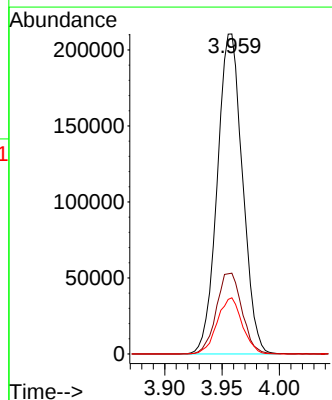
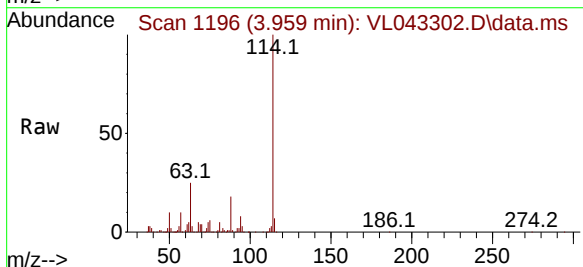
Instrument :
MSVOA_1
ClientSampleId :
QC1125 25 CAN 10269

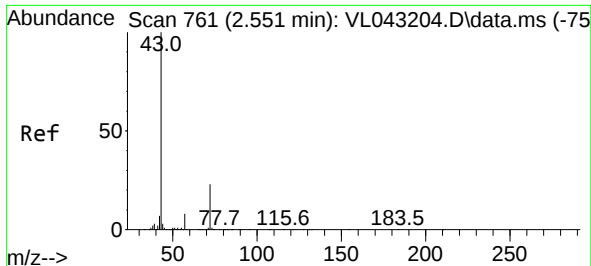
Tgt Ion: 84 Resp: 1041
Ion Ratio Lower Upper
84 100
56 0.0 104.7 157.1#
41 6.2 69.0 103.6#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. 0.009 min
Lab File: VL043302.D
Acq: 03 Dec 2025 07:41

Tgt Ion: 114 Resp: 321828
Ion Ratio Lower Upper
114 100
63 25.8 21.0 31.6
88 17.4 14.9 22.3

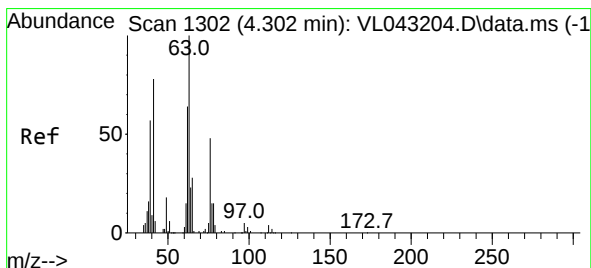
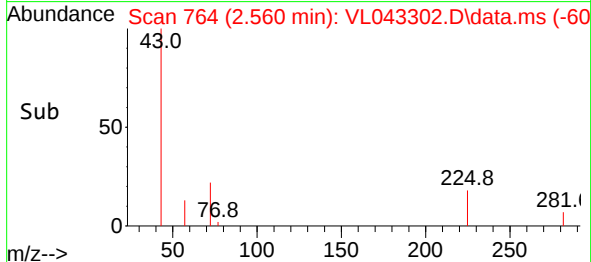
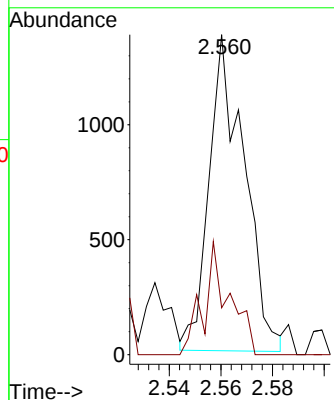
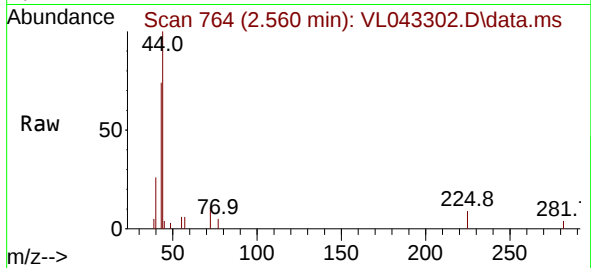




#34
2-Butanone
Concen: 0.057 ppbv
RT: 2.560 min Scan# 764
Delta R.T. 0.009 min
Lab File: VL043302.D
Acq: 03 Dec 2025 07:41

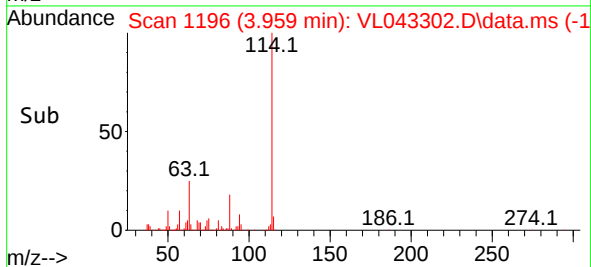
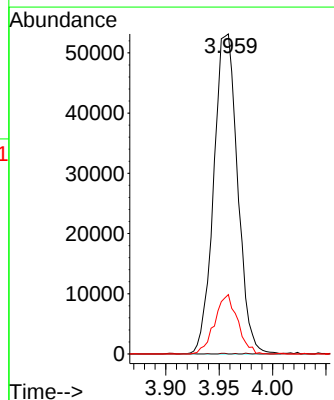
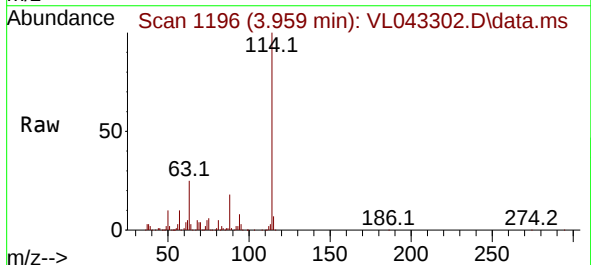
Instrument :
MSVOA_1
ClientSampleId :
QC1125 25 CAN 10269

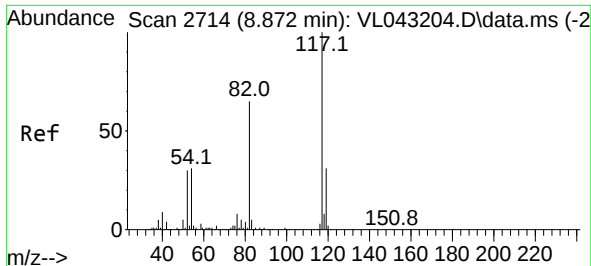
Tgt Ion: 43 Resp: 1301
Ion Ratio Lower Upper
43 100
72 26.1 18.1 27.1



#39
1,2-Dichloropropane
Concen: 7.340 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. -0.343 min
Lab File: VL043302.D
Acq: 03 Dec 2025 07:41

Tgt Ion: 63 Resp: 82801
Ion Ratio Lower Upper
63 100
41 0.0 62.6 93.8#
62 18.6 51.0 76.6#

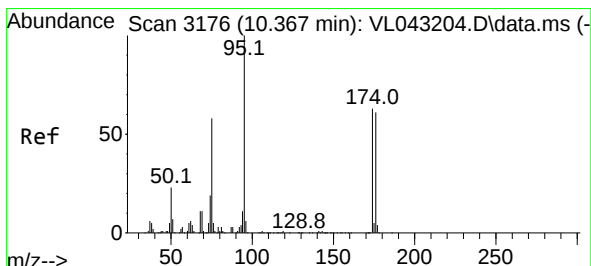
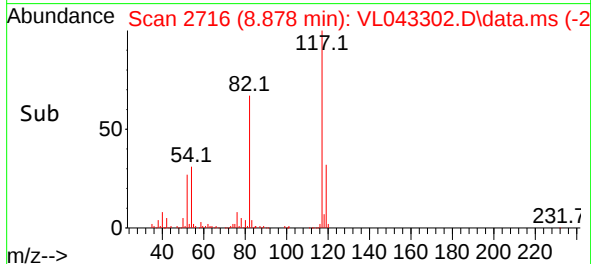
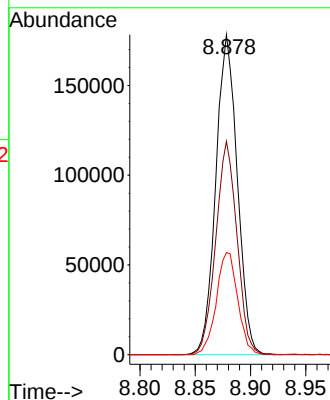
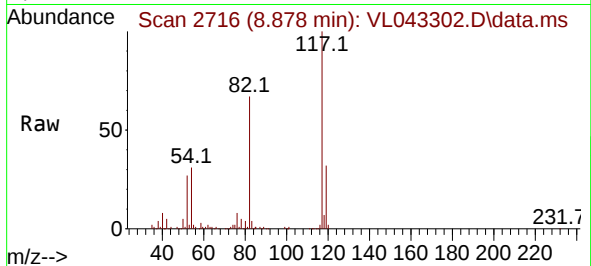




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL043302.D
Acq: 03 Dec 2025 07:41

Instrument :
MSVOA_1
ClientSampleId :
QC1125 25 CAN 10269

Tgt Ion:117 Resp: 240845
Ion Ratio Lower Upper
117 100
82 65.8 56.1 84.1
119 32.1 25.0 37.6



#68
1-Bromo-4-Fluorobenzene
Concen: 9.430 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. 0.006 min
Lab File: VL043302.D
Acq: 03 Dec 2025 07:41

Tgt Ion: 95 Resp: 166485
Ion Ratio Lower Upper
95 100
174 66.6 50.2 75.2
175 5.1 4.1 6.1

