

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110325\
 Data File : VL043141.D
 Acq On : 03 Nov 2025 10:55
 Operator : SY/MD
 Sample : CAN 10158
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10158

Quant Time: Nov 04 03:07:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Oct 15 02:12:58 2025
 Response via : Initial Calibration

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

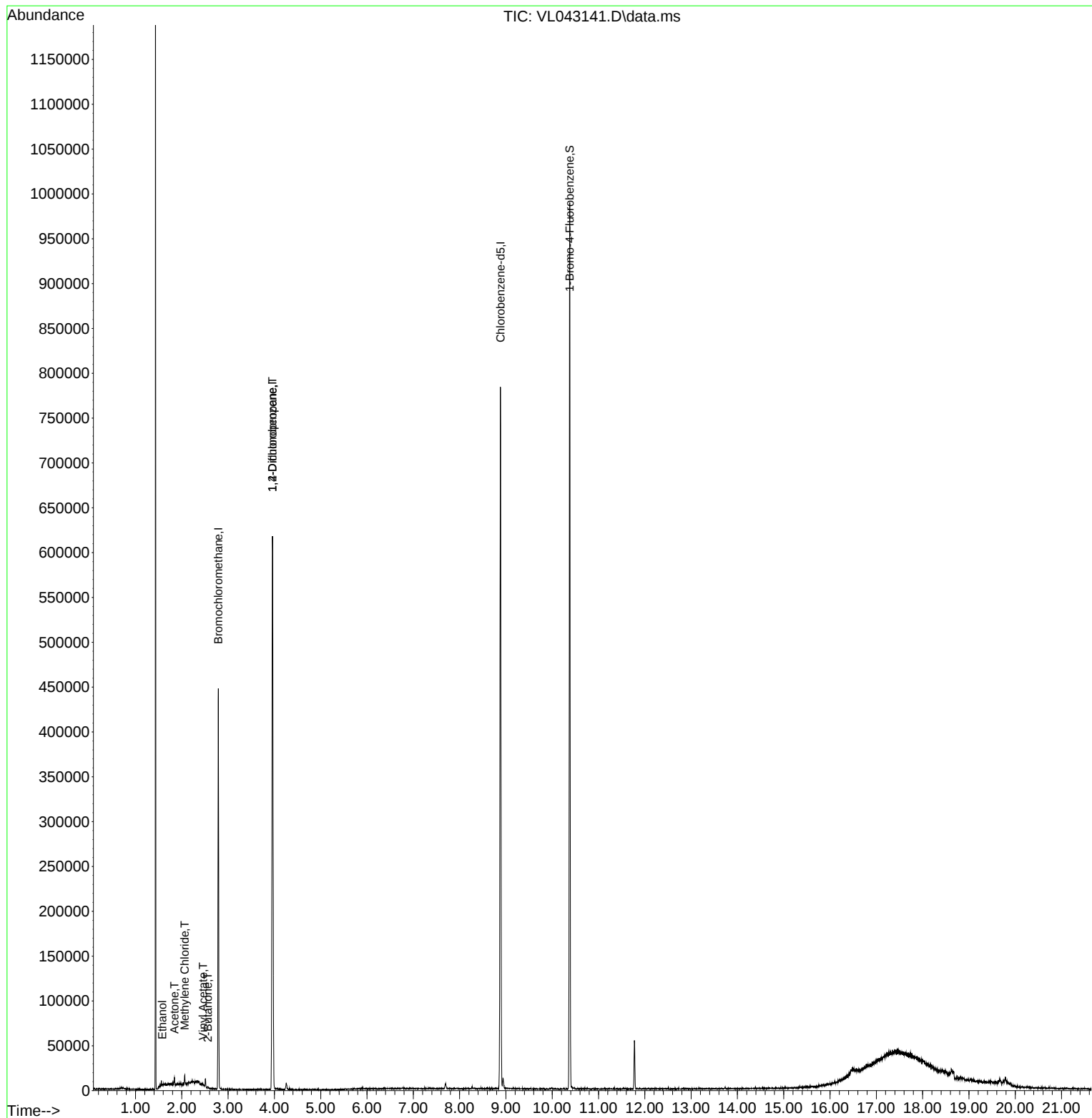
Internal Standards						
1) Bromochloromethane	2.790	49	117982	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	386858	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	339091	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	253826	9.630	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.300%
Target Compounds						
					Qvalue	
13) Ethanol	1.580	45	200	0.067	ppbv #	5
15) Acetone	1.839	43	2877	0.181	ppbv #	32
20) Methylene Chloride	2.065	84	1795	0.286	ppbv #	80
23) Vinyl Acetate	2.457	43	993	0.043	ppbv #	68
34) 2-Butanone	2.560	43	1653	0.064	ppbv #	86
39) 1,2-Dichloropropane	3.959	63	92138	6.917	ppbv #	24

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

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Quant Time: Nov 04 03:07:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

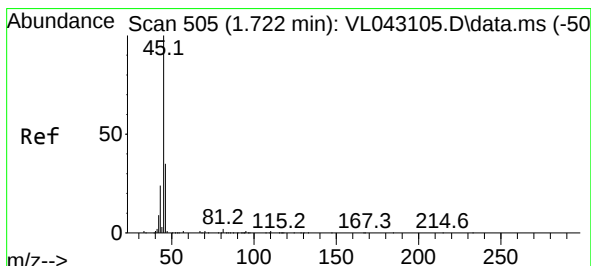
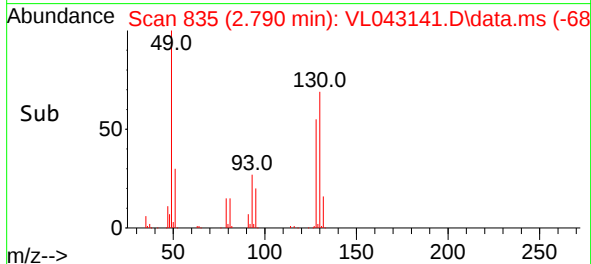
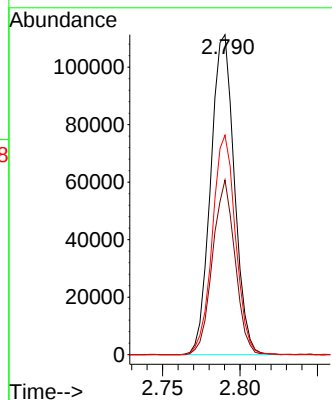
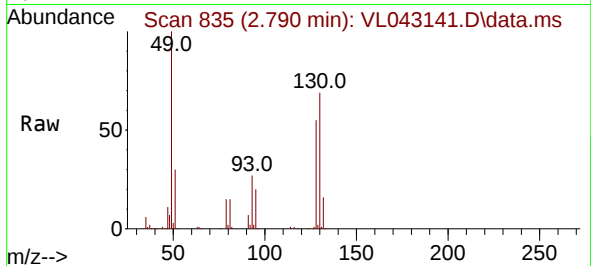




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL043141.D
Acq: 03 Nov 2025 10:55

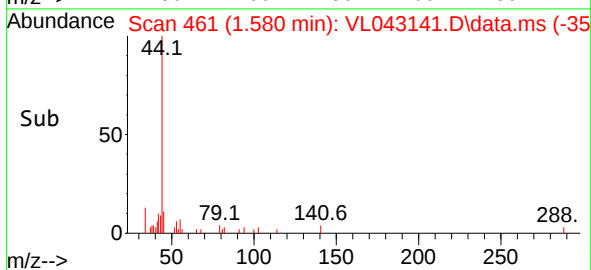
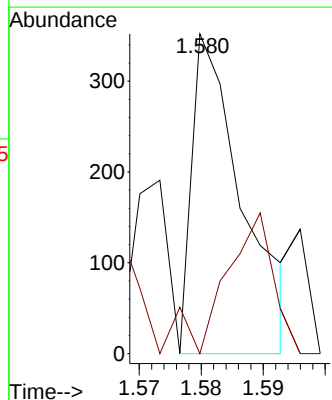
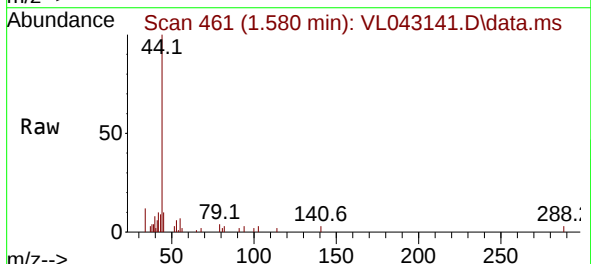
Instrument :
MSVOA_L
ClientSampleId :
CAN 10158

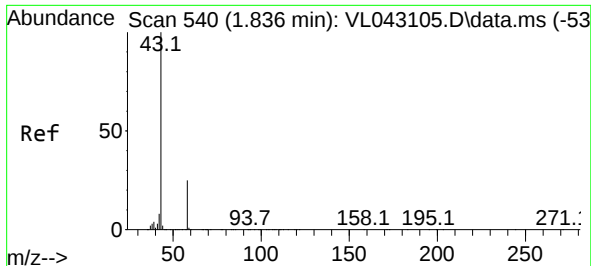
Tgt Ion: 49 Resp: 117982
Ion Ratio Lower Upper
49 100
128 51.9 24.4 73.4
130 67.4 31.0 93.0



#13
Ethanol
Concen: 0.067 ppbv
RT: 1.580 min Scan# 461
Delta R.T. -0.143 min
Lab File: VL043141.D
Acq: 03 Nov 2025 10:55

Tgt Ion: 45 Resp: 200
Ion Ratio Lower Upper
45 100
46 93.0 14.7 58.9#

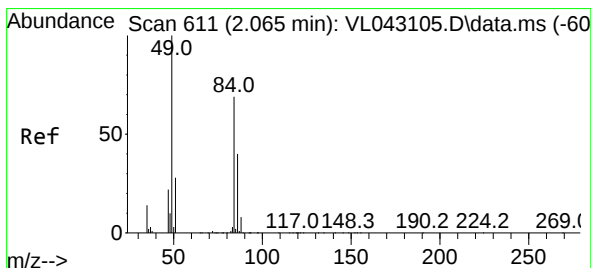
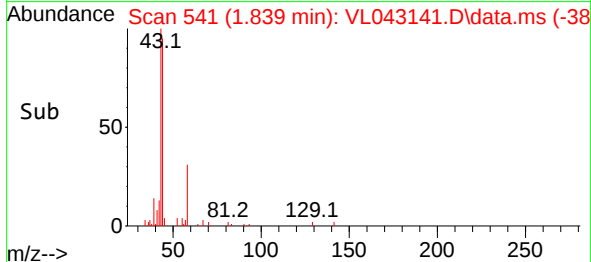
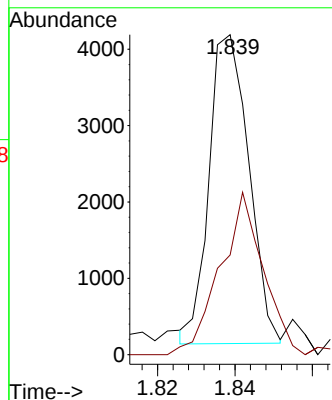
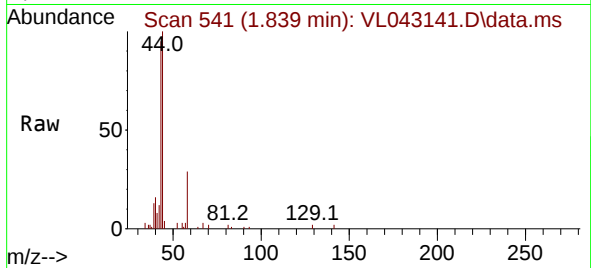




#15
Acetone
Concen: 0.181 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL043141.D
Acq: 03 Nov 2025 10:55

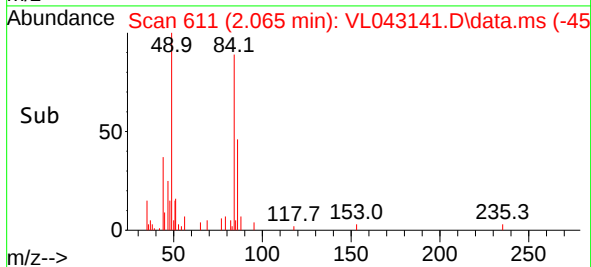
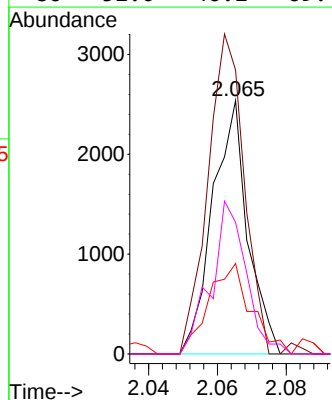
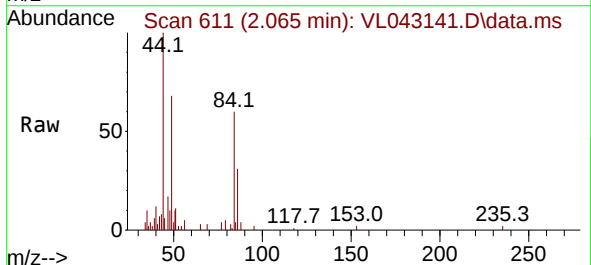
Instrument :
MSVOA_L
ClientSampleId :
CAN 10158

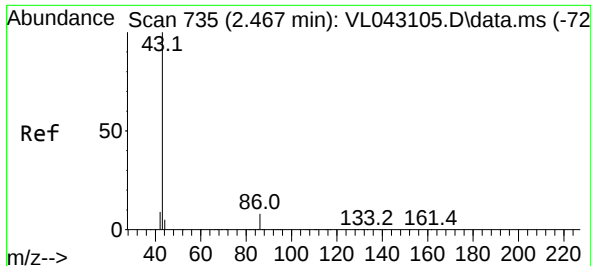
Tgt Ion: 43 Resp: 2877
Ion Ratio Lower Upper
43 100
58 60.7 20.8 31.2#



#20
Methylene Chloride
Concen: 0.286 ppbv
RT: 2.065 min Scan# 611
Delta R.T. -0.000 min
Lab File: VL043141.D
Acq: 03 Nov 2025 10:55

Tgt Ion: 84 Resp: 1795
Ion Ratio Lower Upper
84 100
49 112.1 116.6 175.0#
51 35.7 34.8 52.2
86 52.0 46.2 69.4

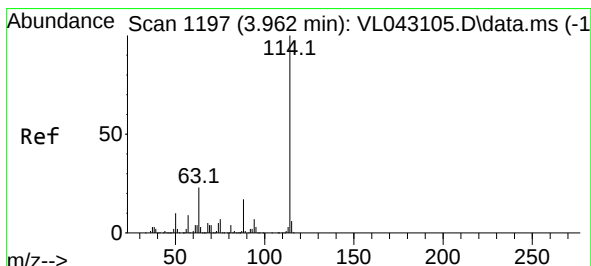
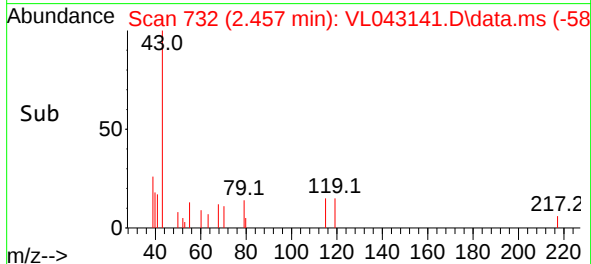
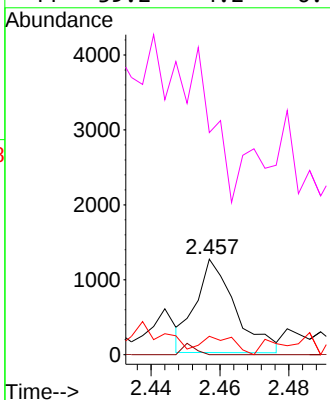
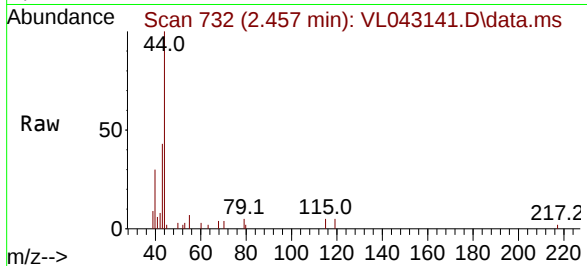




#23
 Vinyl Acetate
 Concen: 0.043 ppbv
 RT: 2.457 min Scan# 71
 Delta R.T. -0.010 min
 Lab File: VL043141.D
 Acq: 03 Nov 2025 10:55

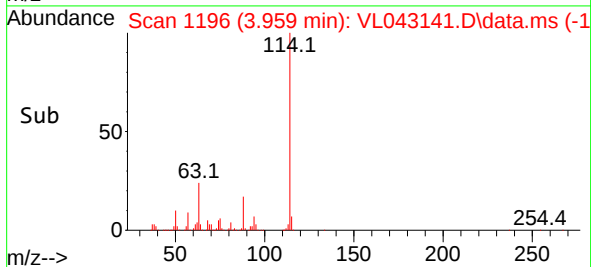
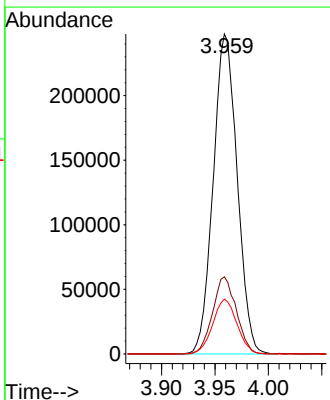
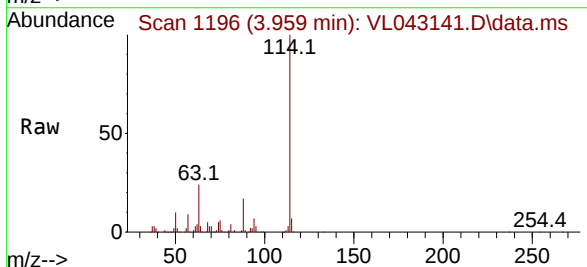
Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10158

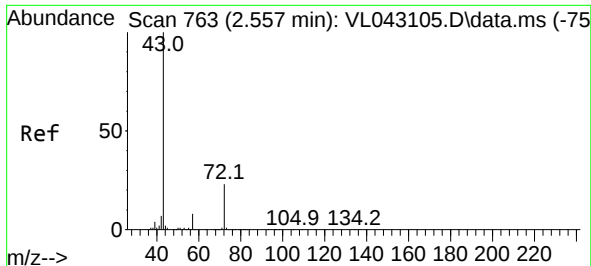
Tgt Ion: 43	Resp: 993
Ion Ratio	Lower Upper
43 100	
86 0.0	6.2 9.2#
42 8.7	7.6 11.4
44 39.2	4.2 6.4#



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.959 min Scan# 1196
 Delta R.T. -0.003 min
 Lab File: VL043141.D
 Acq: 03 Nov 2025 10:55

Tgt Ion:114	Resp: 386858
Ion Ratio	Lower Upper
114 100	
63 23.8	19.3 28.9
88 17.3	13.9 20.9

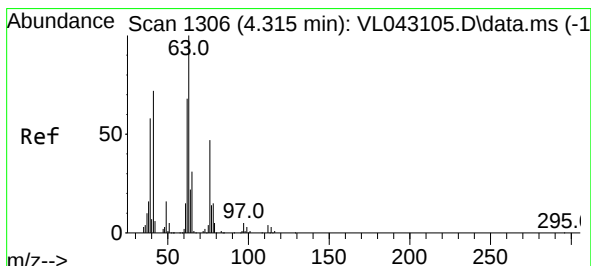
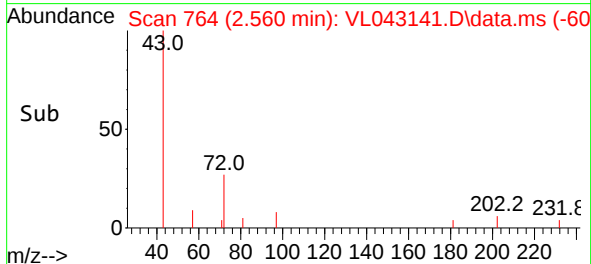
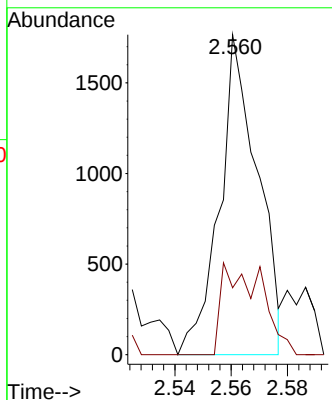
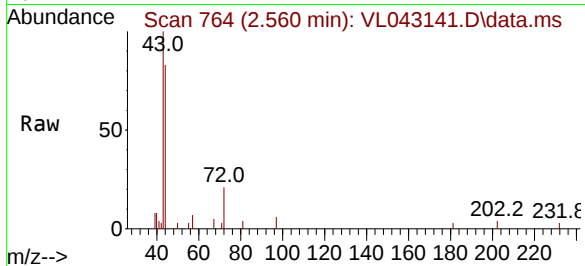




#34
2-Butanone
Concen: 0.064 ppbv
RT: 2.560 min Scan# 764
Delta R.T. 0.003 min
Lab File: VL043141.D
Acq: 03 Nov 2025 10:55

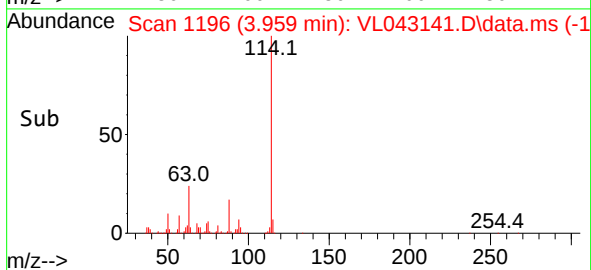
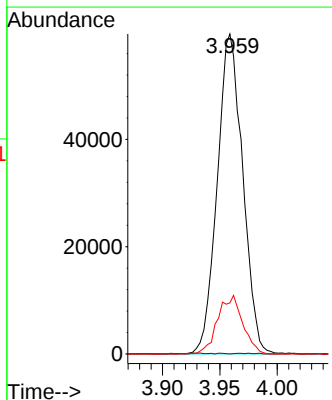
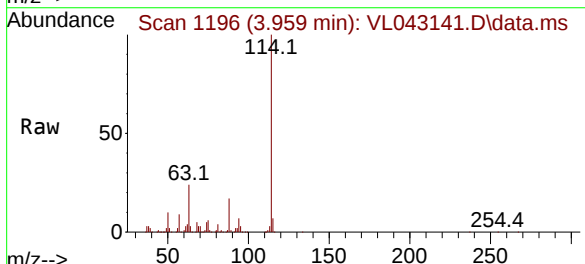
Instrument :
MSVOA_1
ClientSampleId :
CAN 10158

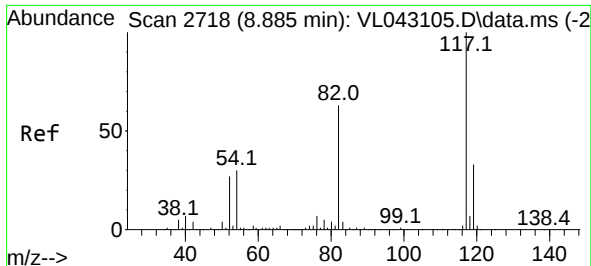
Tgt Ion: 43 Resp: 1653
Ion Ratio Lower Upper
43 100
72 29.9 18.4 27.6#



#39
1,2-Dichloropropane
Concen: 6.917 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. -0.356 min
Lab File: VL043141.D
Acq: 03 Nov 2025 10:55

Tgt Ion: 63 Resp: 92138
Ion Ratio Lower Upper
63 100
41 0.0 58.0 87.0#
62 15.9 54.7 82.1#

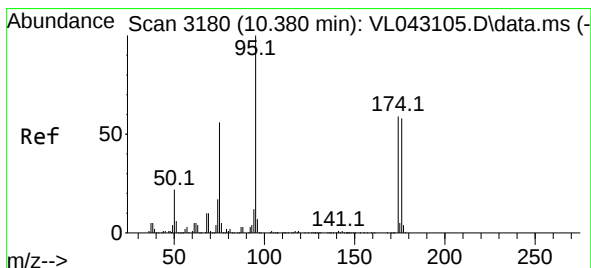
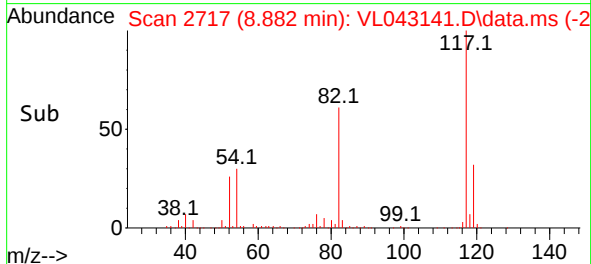
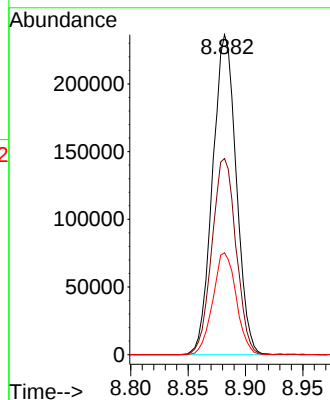
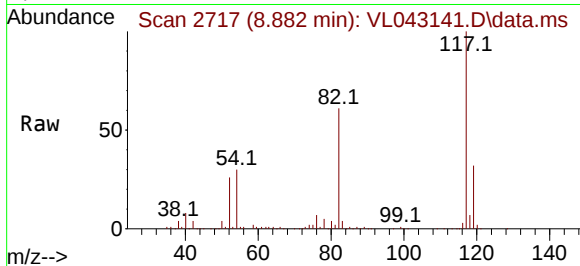




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL043141.D
Acq: 03 Nov 2025 10:55

Instrument :
MSVOA_L
ClientSampleId :
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Tgt Ion:117 Resp: 339091
Ion Ratio Lower Upper
117 100
82 62.7 53.8 80.8
119 31.5 25.4 38.0



#68
1-Bromo-4-Fluorobenzene
Concen: 9.630 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. -0.003 min
Lab File: VL043141.D
Acq: 03 Nov 2025 10:55

Tgt Ion: 95 Resp: 253826
Ion Ratio Lower Upper
95 100
174 65.6 48.3 72.5
175 4.8 3.8 5.8

