

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120225\
 Data File : VL043303.D
 Acq On : 03 Dec 2025 08:14
 Operator : SY/MD
 Sample : CAN 10597
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10597

Quant Time: Dec 04 00:08:56 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)

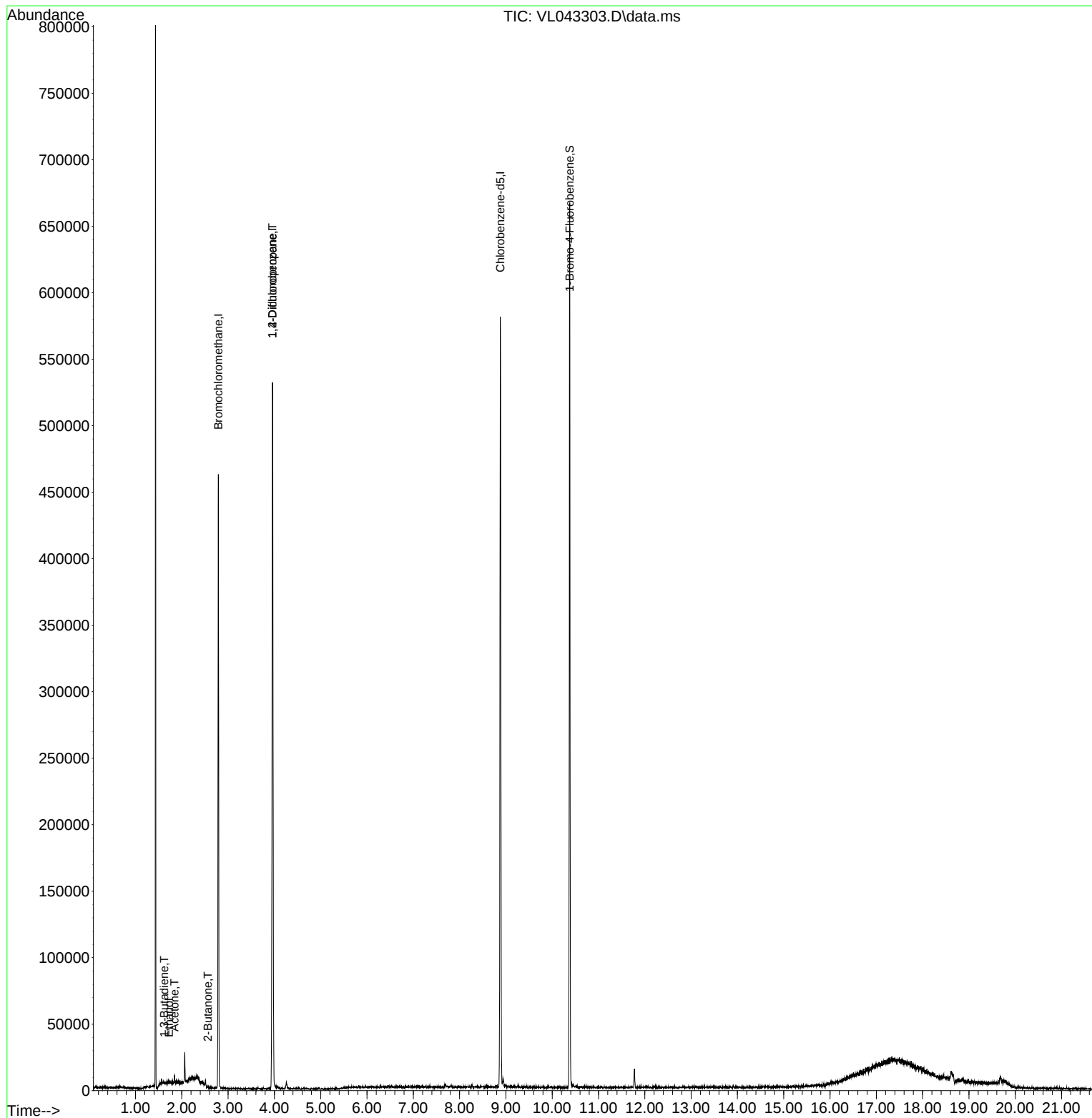
Internal Standards						
1) Bromochloromethane	2.790	49	120903	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	297585	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	227389	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	154671	9.280	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.800%
Target Compounds						
					Qvalue	
13) Ethanol	1.725	45	189	0.075	ppbv #	38
15) Acetone	1.839	43	2283	0.136	ppbv #	30
16) 1,3-Butadiene	1.619	39	296	0.040	ppbv #	12
20) Methylene Chloride	2.062	84	3365	Below Cal		90
34) 2-Butanone	2.564	43	758	0.036	ppbv #	87
39) 1,2-Dichloropropane	3.959	63	77153	7.397	ppbv #	25

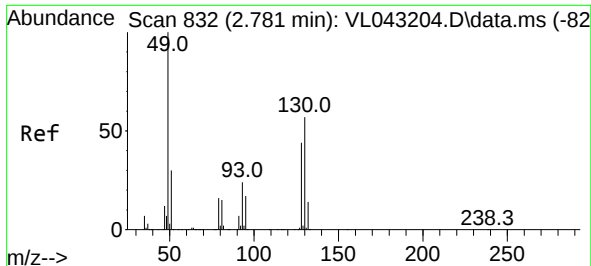
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120225\
Data File : VL043303.D
Acq On : 03 Dec 2025 08:14
Operator : SY/MD
Sample : CAN 10597
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
CAN 10597

Quant Time: Dec 04 00:08:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL11825AIR.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

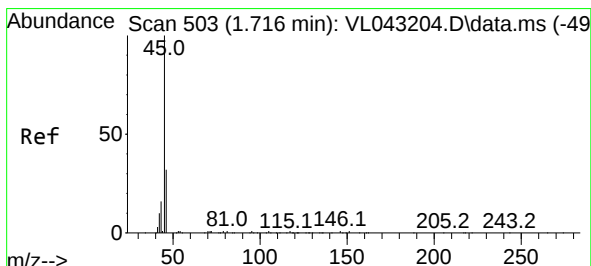
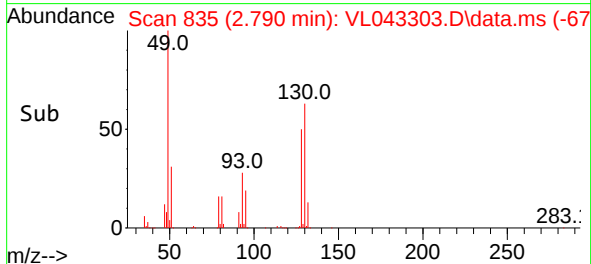
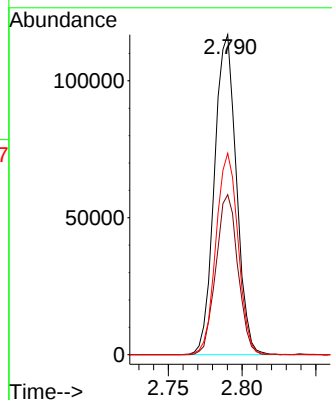
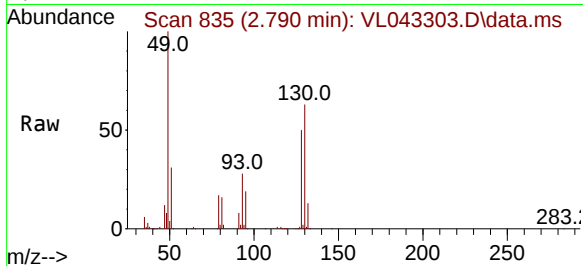




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.009 min
Lab File: VL043303.D
Acq: 03 Dec 2025 08:14

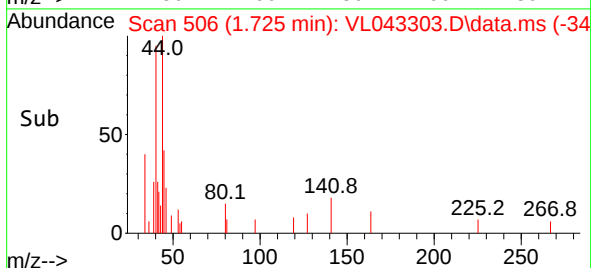
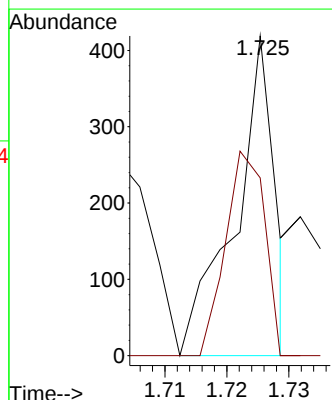
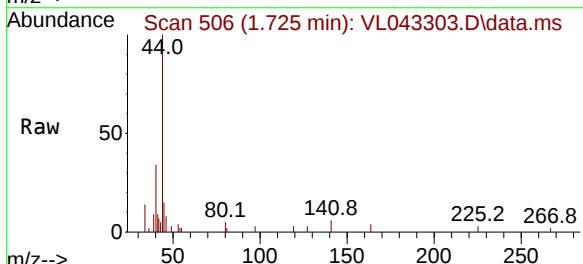
Instrument :
MSVOA_L
ClientSampleId :
CAN 10597

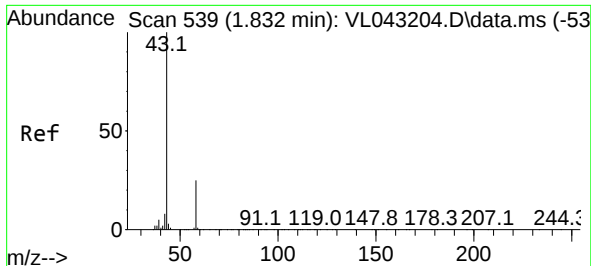
Tgt Ion: 49 Resp: 120903
Ion Ratio Lower Upper
49 100
128 50.1 23.0 69.0
130 63.3 29.9 89.7



#13
Ethanol
Concen: 0.075 ppbv
RT: 1.725 min Scan# 506
Delta R.T. 0.009 min
Lab File: VL043303.D
Acq: 03 Dec 2025 08:14

Tgt Ion: 45 Resp: 189
Ion Ratio Lower Upper
45 100
46 0.0 15.0 59.8#

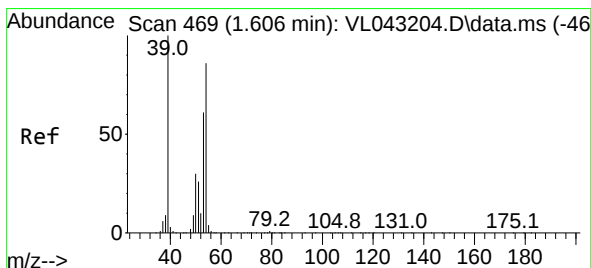
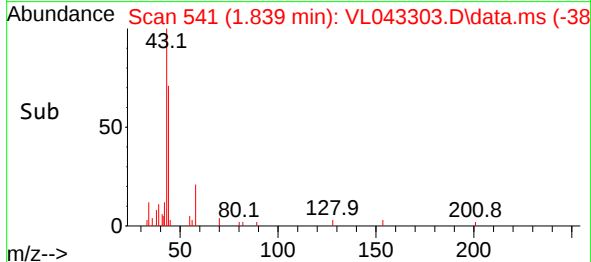
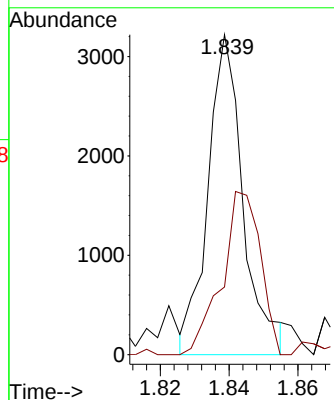
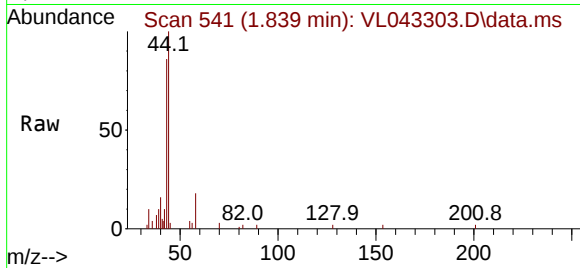




#15
Acetone
Concen: 0.136 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.006 min
Lab File: VL043303.D
Acq: 03 Dec 2025 08:14

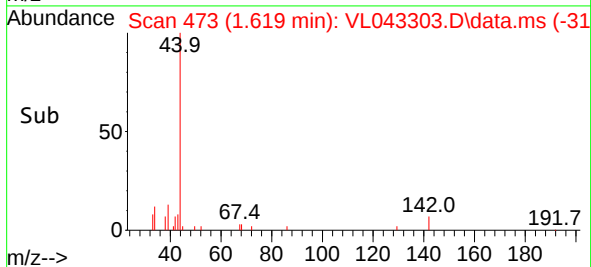
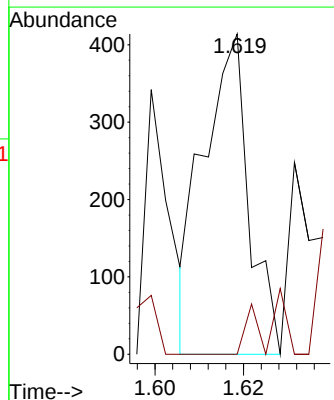
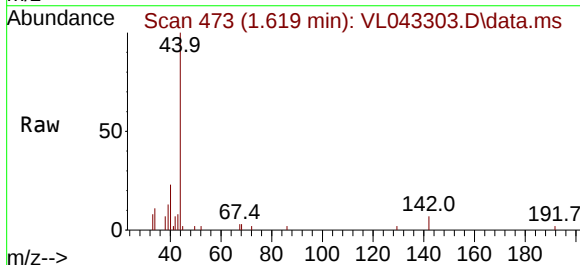
Instrument :
MSVOA_L
ClientSampleId :
CAN 10597

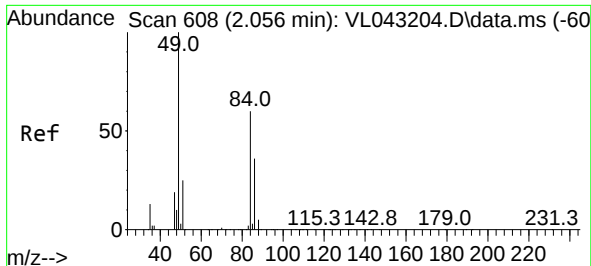
Tgt Ion: 43 Resp: 2283
Ion Ratio Lower Upper
43 100
58 61.3 20.7 31.1#



#16
1,3-Butadiene
Concen: 0.040 ppbv
RT: 1.619 min Scan# 473
Delta R.T. 0.013 min
Lab File: VL043303.D
Acq: 03 Dec 2025 08:14

Tgt Ion: 39 Resp: 296
Ion Ratio Lower Upper
39 100
54 0.0 59.4 89.2#

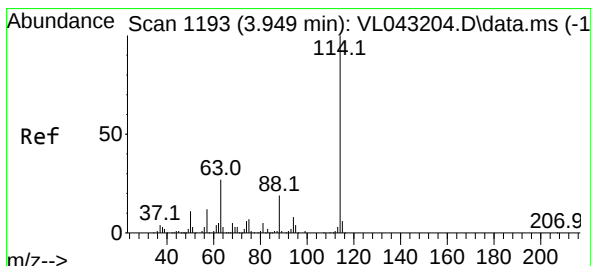
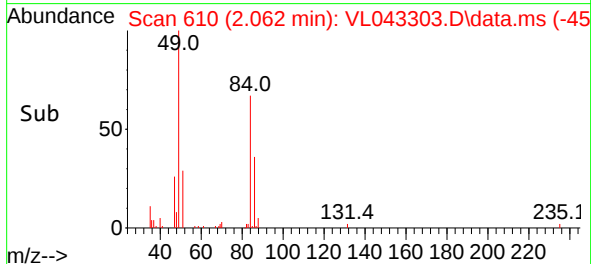
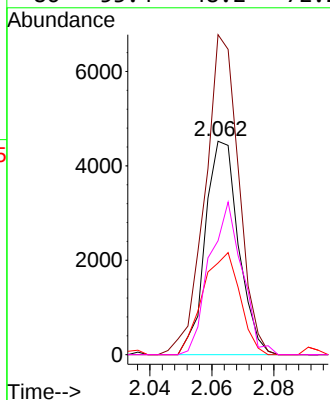
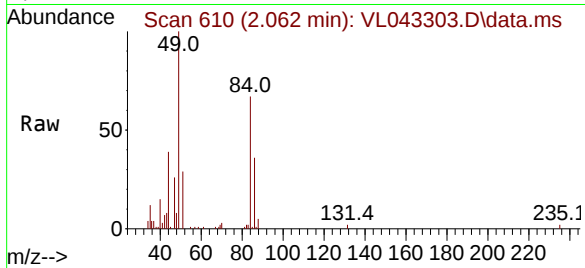




#20
Methylene Chloride
Concen: Below Cal
RT: 2.062 min Scan# 610
Delta R.T. 0.006 min
Lab File: VL043303.D
Acq: 03 Dec 2025 08:14

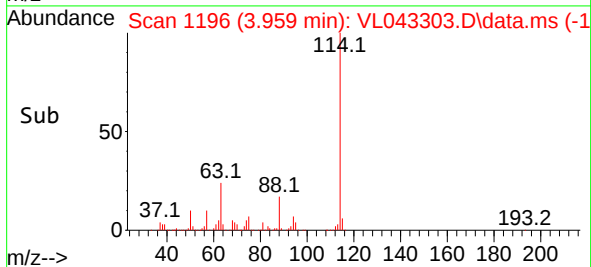
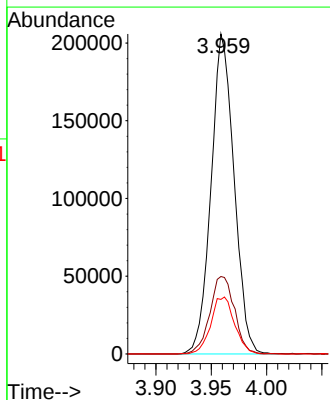
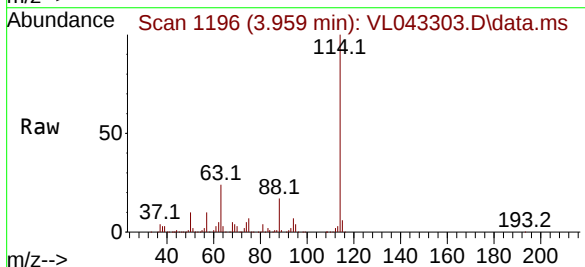
Instrument :
MSVOA_L
ClientSampleId :
CAN 10597

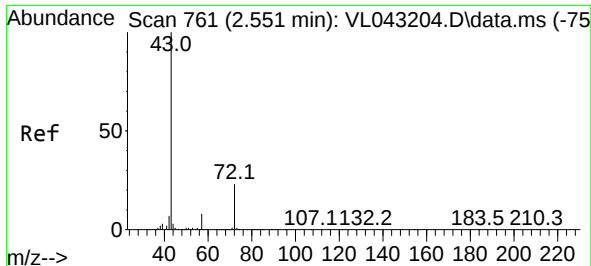
Tgt Ion: 84 Resp: 3365
Ion Ratio Lower Upper
84 100
49 149.9 132.9 199.3
51 43.0 34.8 52.2
86 53.4 48.2 72.2



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. 0.009 min
Lab File: VL043303.D
Acq: 03 Dec 2025 08:14

Tgt Ion: 114 Resp: 297585
Ion Ratio Lower Upper
114 100
63 26.0 21.0 31.6
88 18.5 14.9 22.3

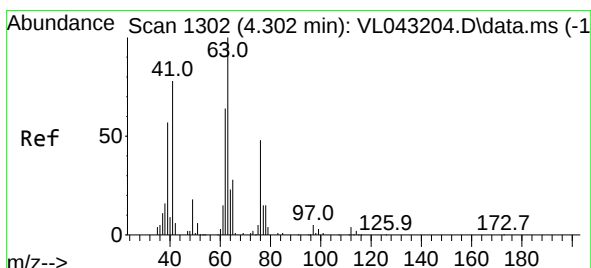
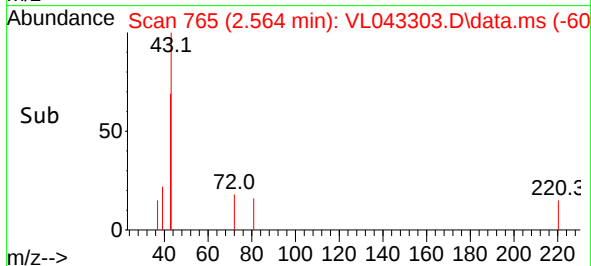
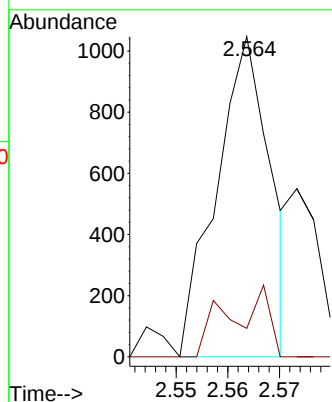
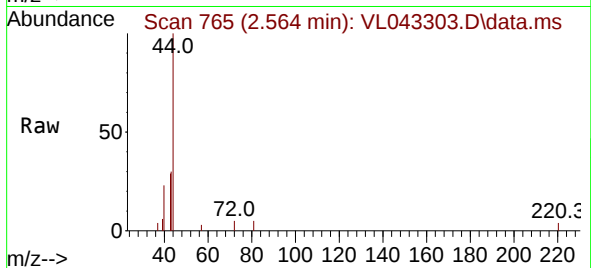




#34
2-Butanone
Concen: 0.036 ppbv
RT: 2.564 min Scan# 71
Delta R.T. 0.013 min
Lab File: VL043303.D
Acq: 03 Dec 2025 08:14

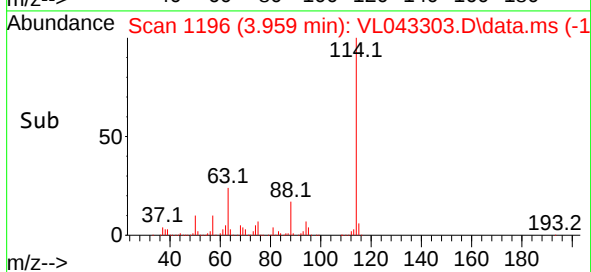
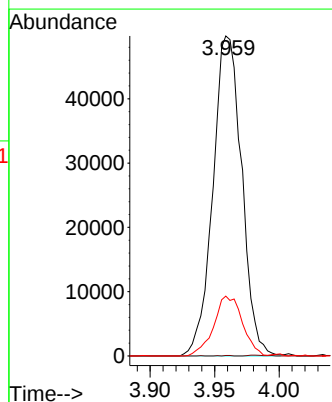
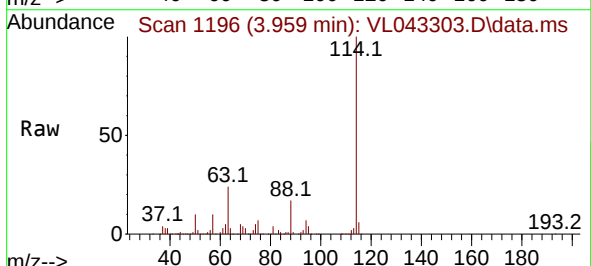
Instrument :
MSVOA_L
ClientSampleId :
CAN 10597

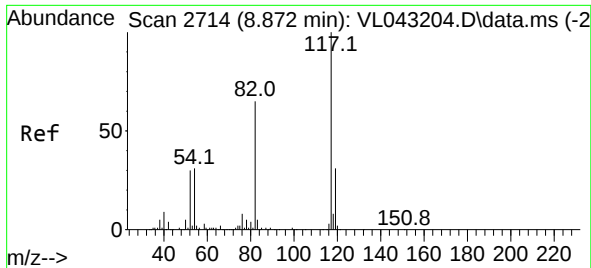
Tgt Ion: 43 Resp: 758
Ion Ratio Lower Upper
43 100
72 16.2 18.1 27.1#



#39
1,2-Dichloropropane
Concen: 7.397 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. -0.343 min
Lab File: VL043303.D
Acq: 03 Dec 2025 08:14

Tgt Ion: 63 Resp: 77153
Ion Ratio Lower Upper
63 100
41 0.2 62.6 93.8#
62 18.7 51.0 76.6#

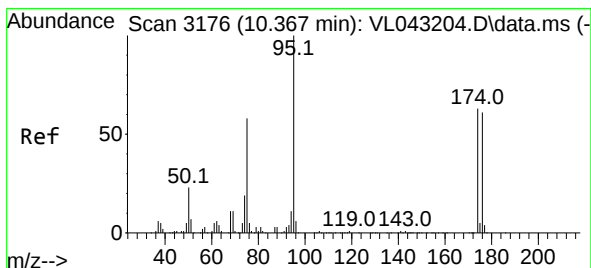
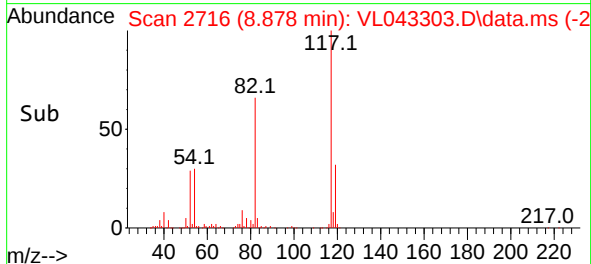
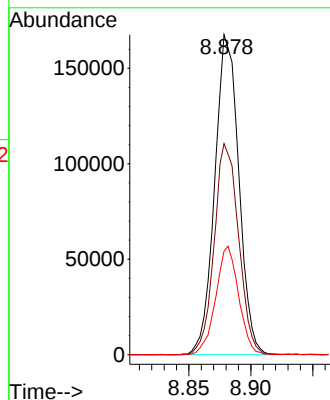
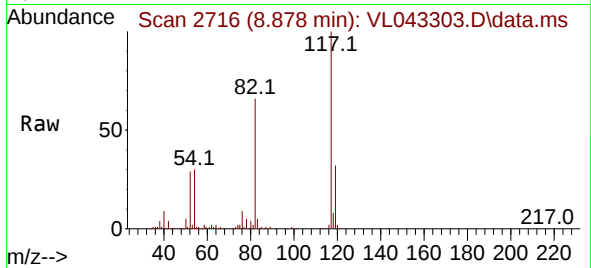




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2176
Delta R.T. 0.006 min
Lab File: VL043303.D
Acq: 03 Dec 2025 08:14

Instrument :
MSVOA_L
ClientSampleId :
CAN 10597

Tgt Ion:117 Resp: 227389
Ion Ratio Lower Upper
117 100
82 66.6 56.1 84.1
119 32.5 25.0 37.6



#68
1-Bromo-4-Fluorobenzene
Concen: 9.280 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. 0.009 min
Lab File: VL043303.D
Acq: 03 Dec 2025 08:14

Tgt Ion: 95 Resp: 154671
Ion Ratio Lower Upper
95 100
174 66.6 50.2 75.2
175 5.2 4.1 6.1

