

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112425\
 Data File : VL043279.D
 Acq On : 24 Nov 2025 13:11
 Operator : SY/MD
 Sample : VL1124ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 24 23:39:26 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)

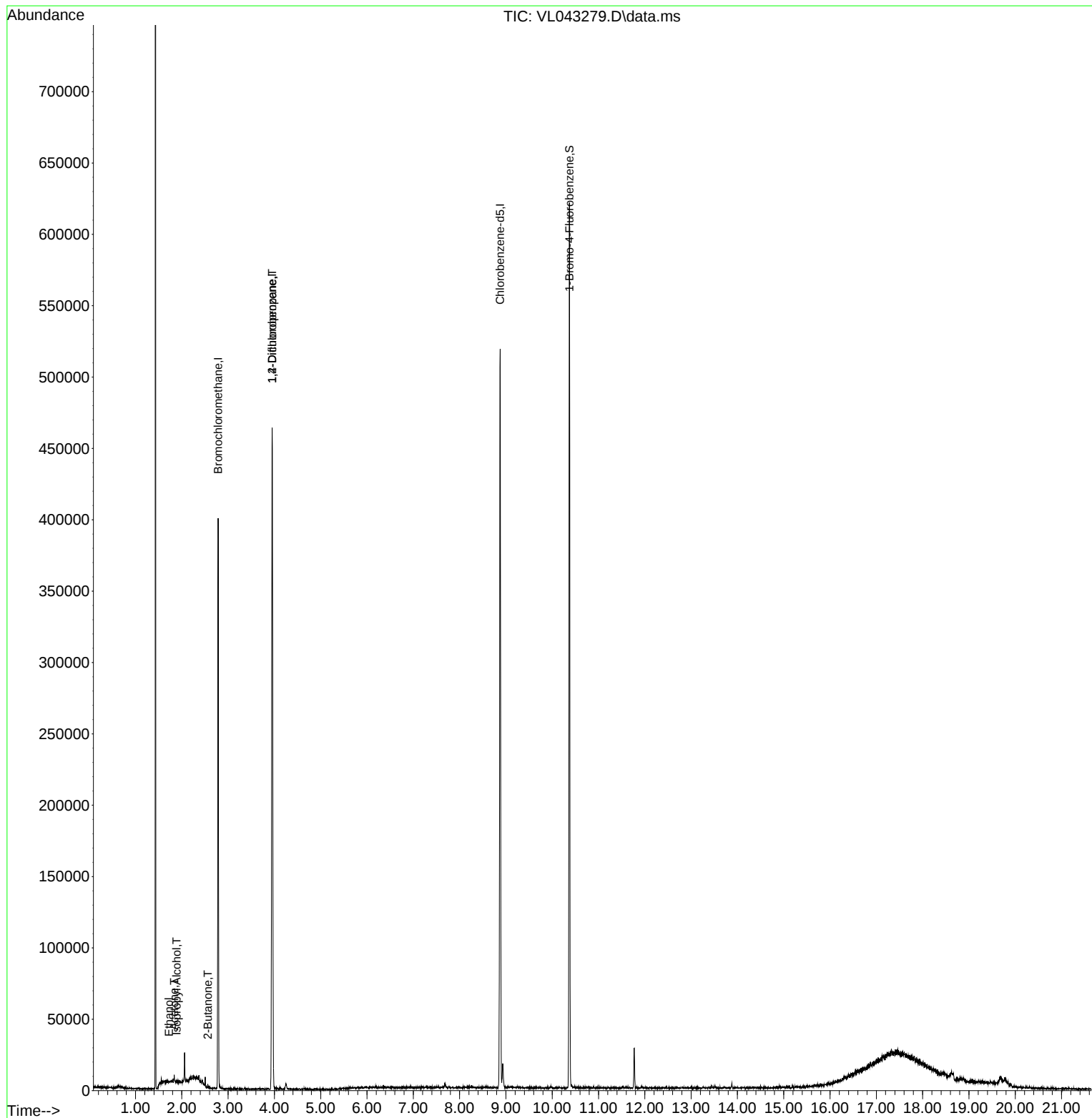
Internal Standards						
1) Bromochloromethane	2.784	49	106137	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	277570	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	209566	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	151293	9.849	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.500%
Target Compounds						
					Qvalue	
13) Ethanol	1.722	45	258	0.117	ppbv #	38
15) Acetone	1.835	43	2134	0.145	ppbv #	52
19) Isopropyl Alcohol	1.887	45	456	0.055	ppbv #	1
20) Methylene Chloride	2.062	84	3048	Below Cal	#	72
34) 2-Butanone	2.560	43	1188	0.061	ppbv	99
39) 1,2-Dichloropropane	3.952	63	69553	7.149	ppbv #	24

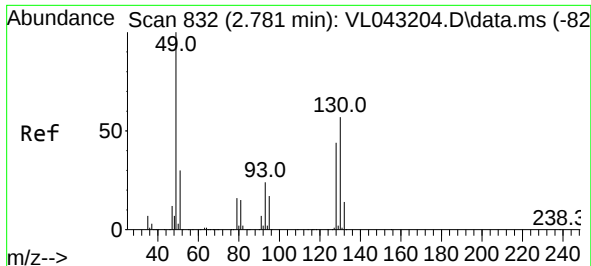
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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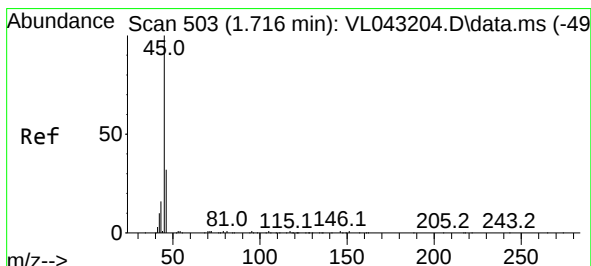
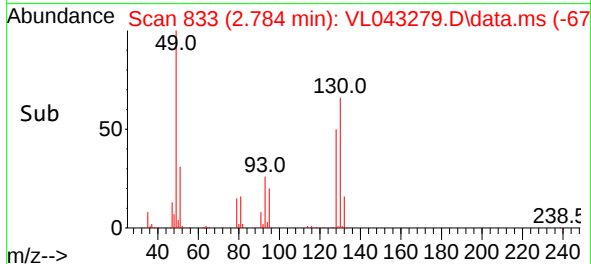
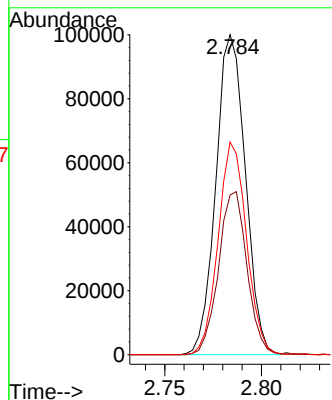
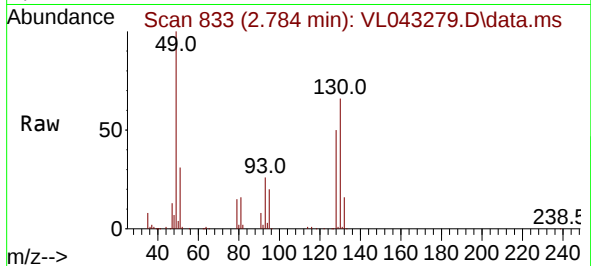




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL043279.D
Acq: 24 Nov 2025 13:11

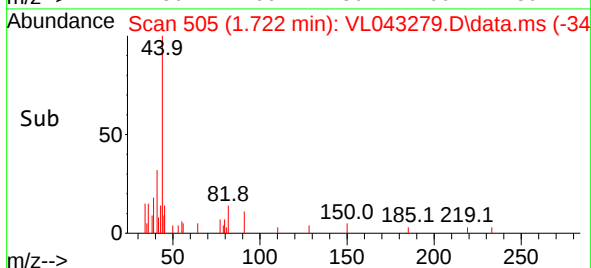
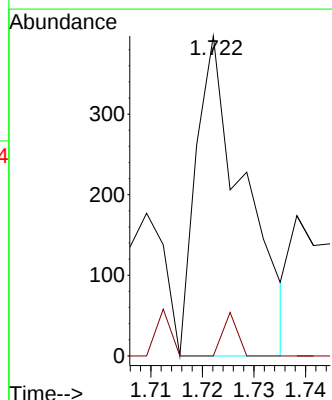
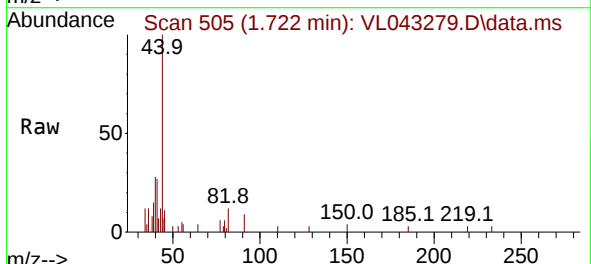
Instrument :
MSVOA_L
ClientSampleId :

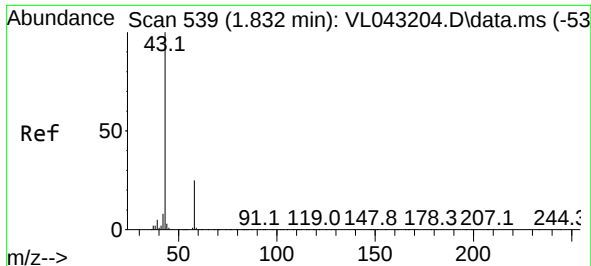
Tgt Ion: 49 Resp: 106137
Ion Ratio Lower Upper
49 100
128 49.2 23.0 69.0
130 63.9 29.9 89.7



#13
Ethanol
Concen: 0.117 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.006 min
Lab File: VL043279.D
Acq: 24 Nov 2025 13:11

Tgt Ion: 45 Resp: 258
Ion Ratio Lower Upper
45 100
46 0.0 15.0 59.8#

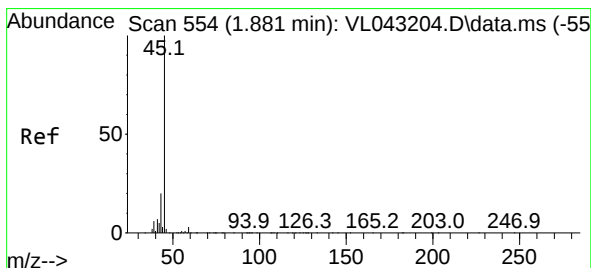
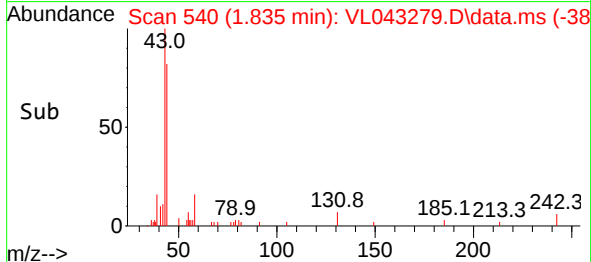
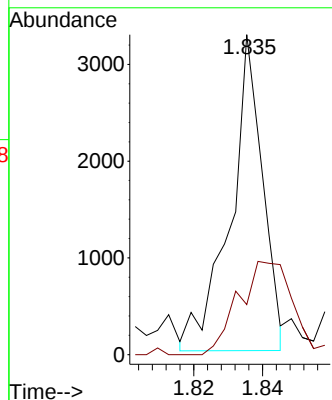
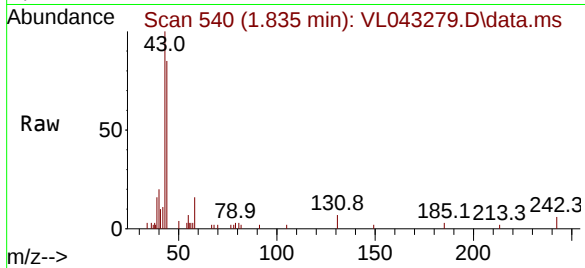




#15
Acetone
Concen: 0.145 ppbv
RT: 1.835 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL043279.D
Acq: 24 Nov 2025 13:11

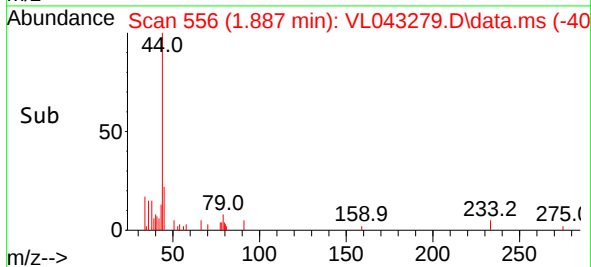
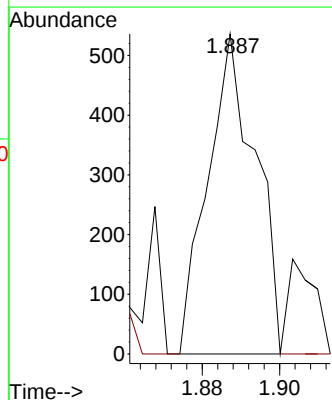
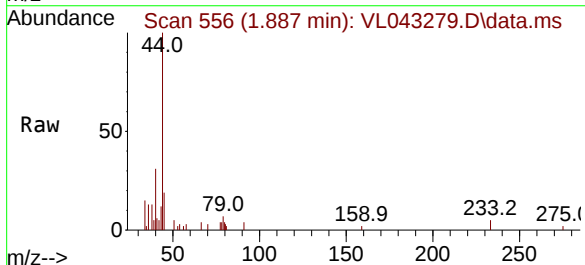
Instrument :
MSVOA_L
ClientSampleId :

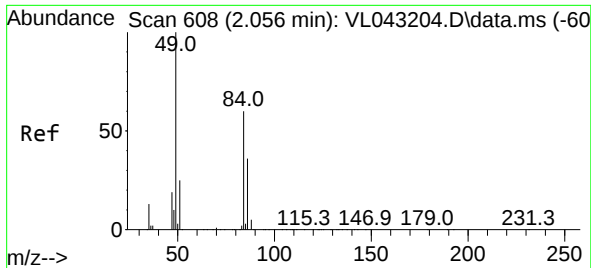
Tgt Ion: 43 Resp: 2134
Ion Ratio Lower Upper
43 100
58 50.4 20.7 31.1#



#19
Isopropyl Alcohol
Concen: 0.055 ppbv
RT: 1.887 min Scan# 556
Delta R.T. 0.006 min
Lab File: VL043279.D
Acq: 24 Nov 2025 13:11

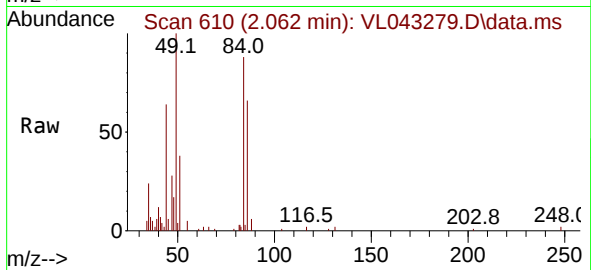
Tgt Ion: 45 Resp: 456
Ion Ratio Lower Upper
45 100
58 236.0 31.3 46.9#



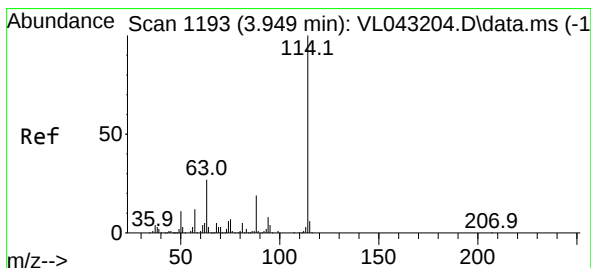
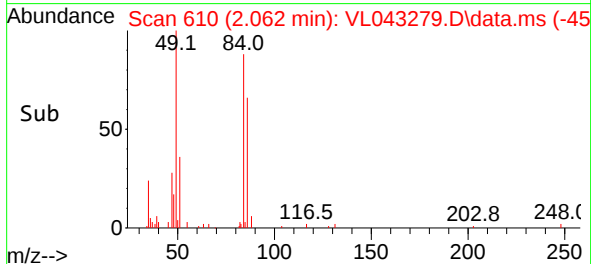
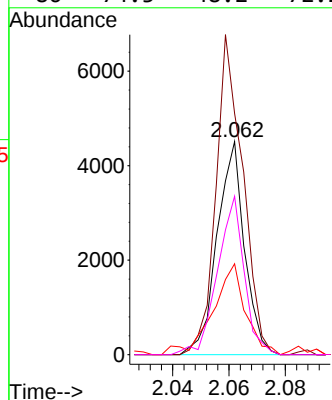


#20
Methylene Chloride
Concen: Below Cal
RT: 2.062 min Scan# 610
Delta R.T. 0.006 min
Lab File: VL043279.D
Acq: 24 Nov 2025 13:11

Instrument :
MSVOA_L
ClientSampleId :

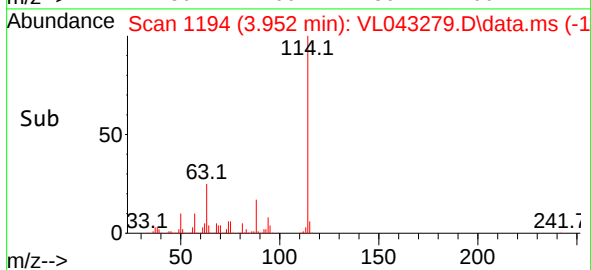
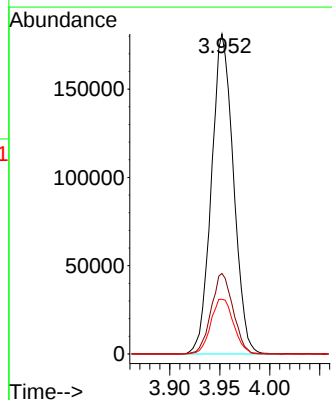
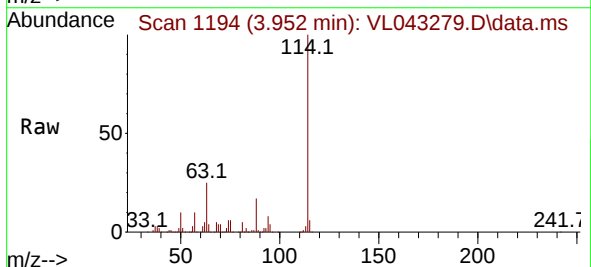


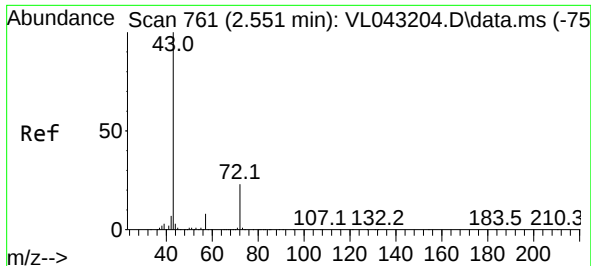
Tgt Ion: 84 Resp: 3048
Ion Ratio Lower Upper
84 100
49 113.2 132.9 199.3#
51 42.7 34.8 52.2
86 74.3 48.2 72.2#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. 0.003 min
Lab File: VL043279.D
Acq: 24 Nov 2025 13:11

Tgt Ion: 114 Resp: 277570
Ion Ratio Lower Upper
114 100
63 25.1 21.0 31.6
88 17.7 14.9 22.3

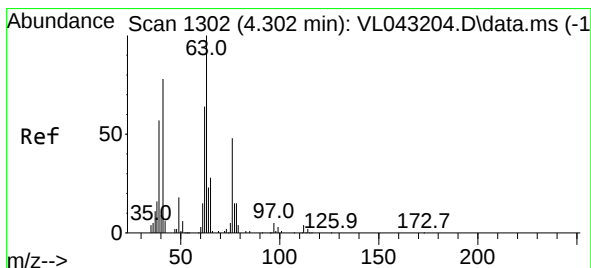
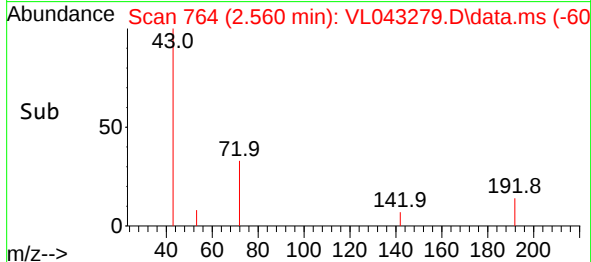
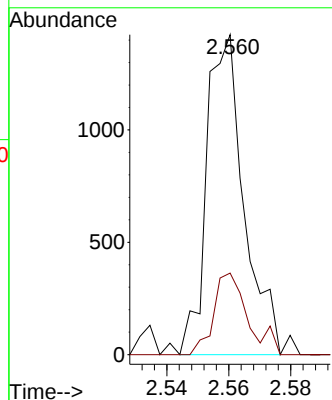
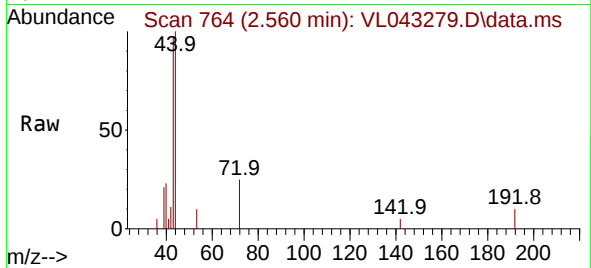




#34
2-Butanone
Concen: 0.061 ppbv
RT: 2.560 min Scan# 764
Delta R.T. 0.009 min
Lab File: VL043279.D
Acq: 24 Nov 2025 13:11

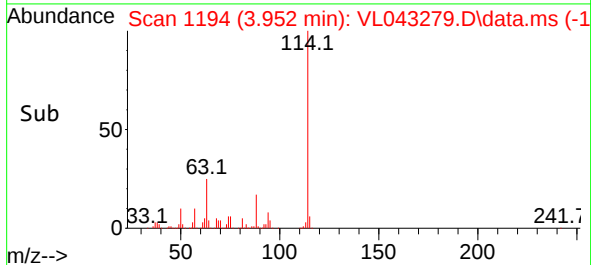
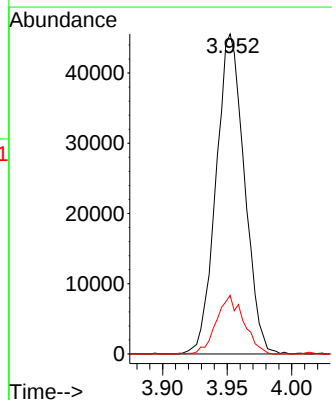
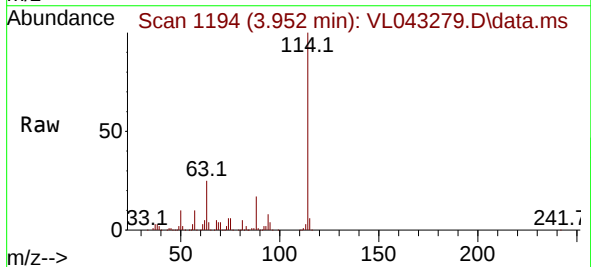
Instrument :
MSVOA_L
ClientSampleId :

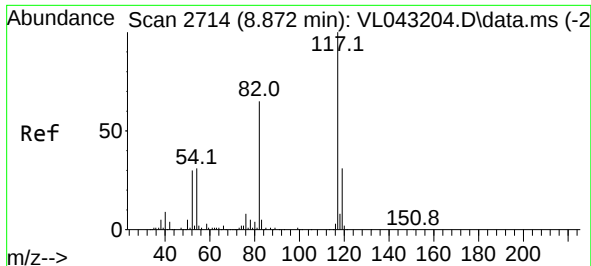
Tgt Ion: 43 Resp: 1188
Ion Ratio Lower Upper
43 100
72 23.2 18.1 27.1



#39
1,2-Dichloropropane
Concen: 7.149 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. -0.350 min
Lab File: VL043279.D
Acq: 24 Nov 2025 13:11

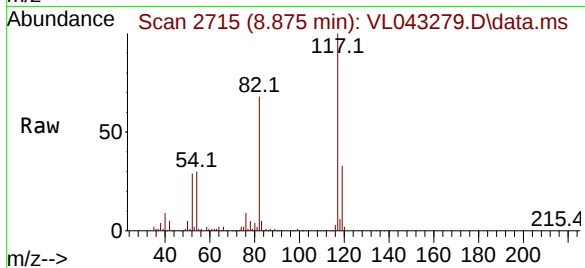
Tgt Ion: 63 Resp: 69553
Ion Ratio Lower Upper
63 100
41 0.0 62.6 93.8#
62 18.3 51.0 76.6#



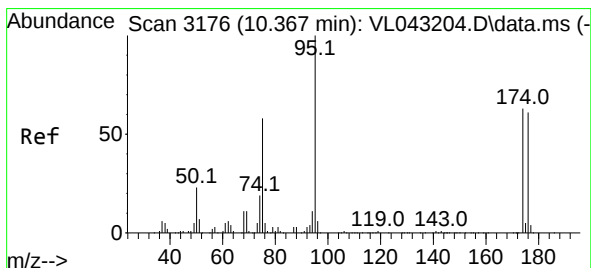
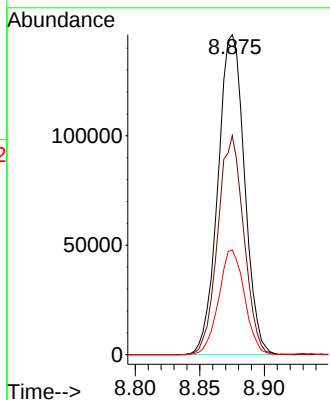
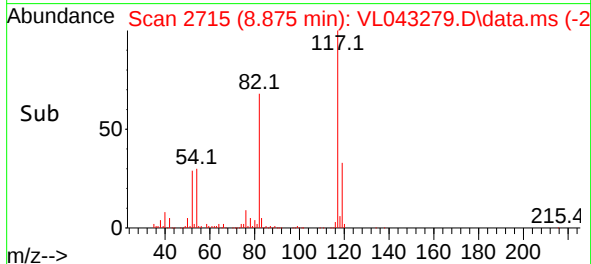


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL043279.D
Acq: 24 Nov 2025 13:11

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion:117 Resp: 209566
Ion Ratio Lower Upper
117 100
82 67.0 56.1 84.1
119 32.1 25.0 37.6



#68
1-Bromo-4-Fluorobenzene
Concen: 9.849 ppbv
RT: 10.370 min Scan# 3177
Delta R.T. 0.003 min
Lab File: VL043279.D
Acq: 24 Nov 2025 13:11

Tgt Ion: 95 Resp: 151293
Ion Ratio Lower Upper
95 100
174 65.8 50.2 75.2
175 5.1 4.1 6.1

