

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110625\
 Data File : VL043171.D
 Acq On : 06 Nov 2025 17:03
 Operator : SY/MD
 Sample : Q3557-05DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 141-SG-2DL

Quant Time: Nov 07 00:24:47 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)

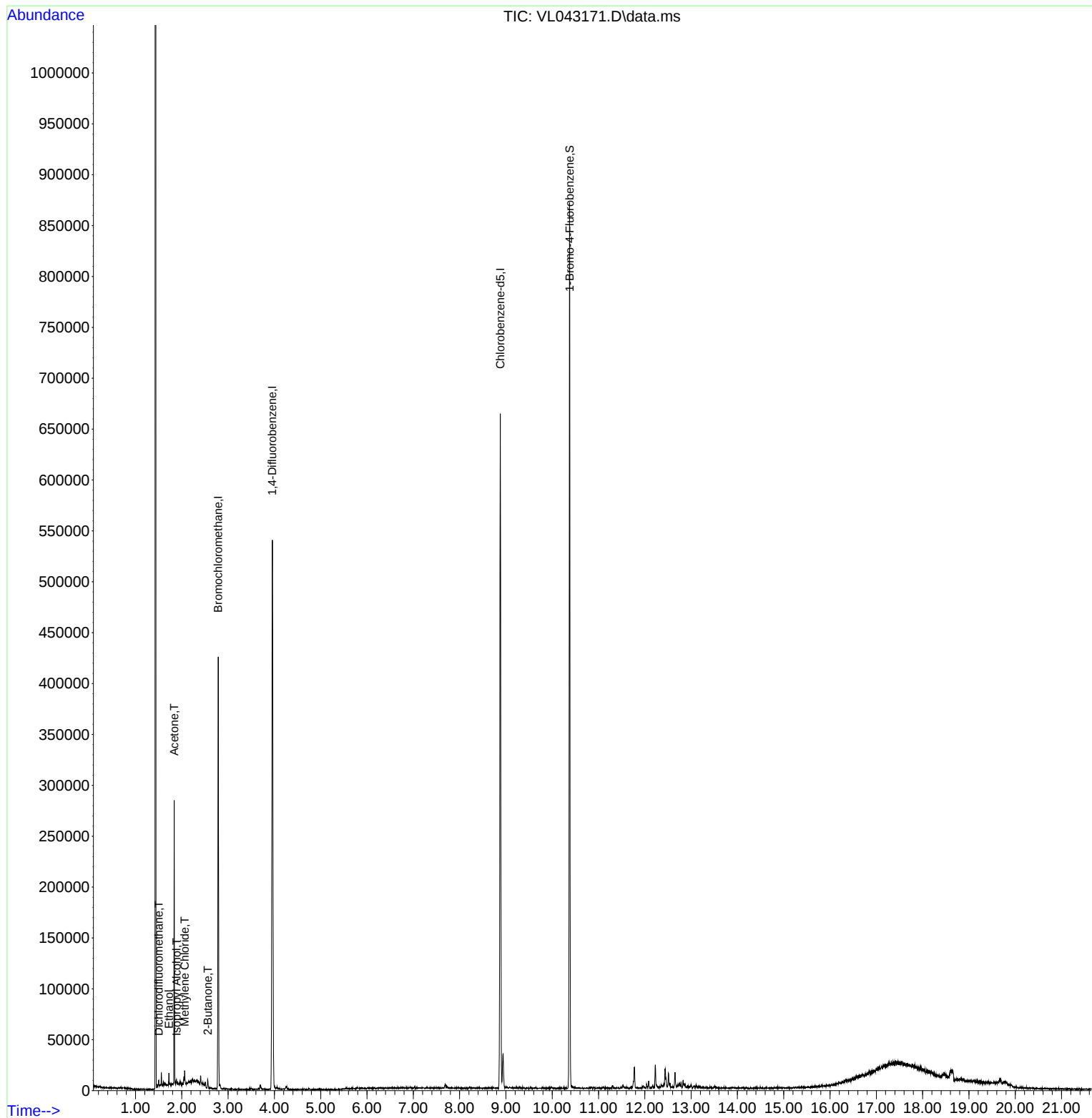
Internal Standards						
1) Bromochloromethane	2.787	49	111726	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	310352	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	260144	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	204363	10.107	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.502	85	1859	0.117	ppbv	97
13) Ethanol	1.722	45	3586	1.272	ppbv	96
15) Acetone	1.835	43	115569	7.674	ppbv	99
19) Isopropyl Alcohol	1.887	45	1703	0.182	ppbv #	1
20) Methylene Chloride	2.062	84	1868	0.314	ppbv #	83
34) 2-Butanone	2.560	43	5741	0.275	ppbv	94

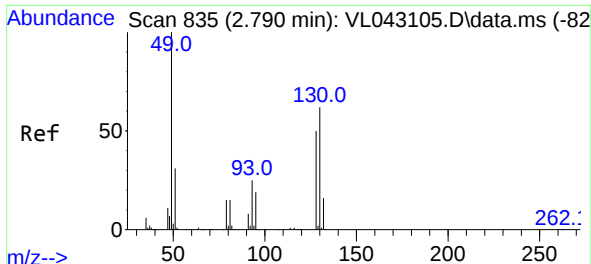
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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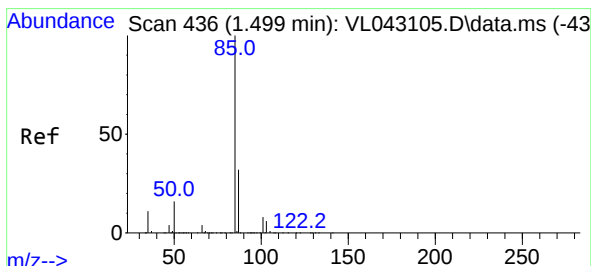
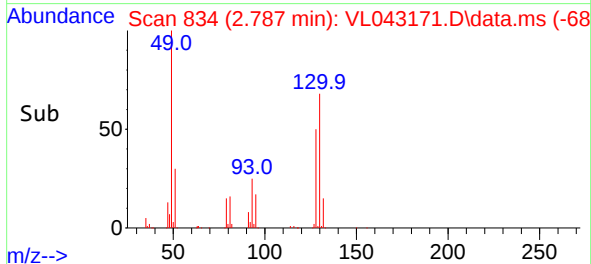
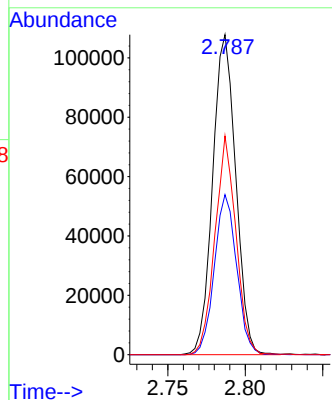
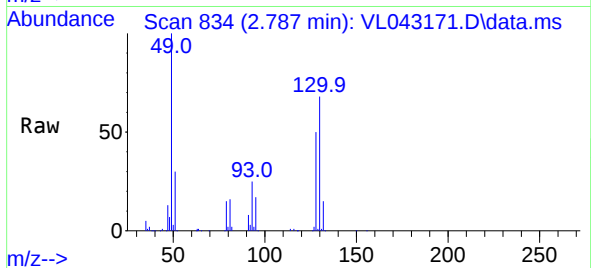




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL043171.D
Acq: 06 Nov 2025 17:03

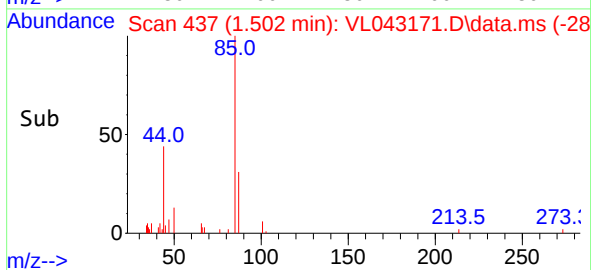
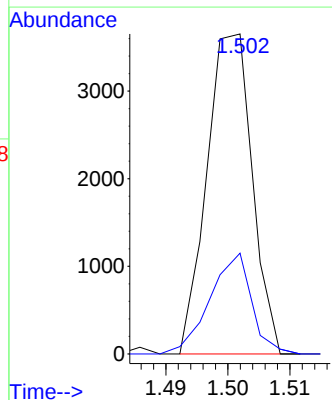
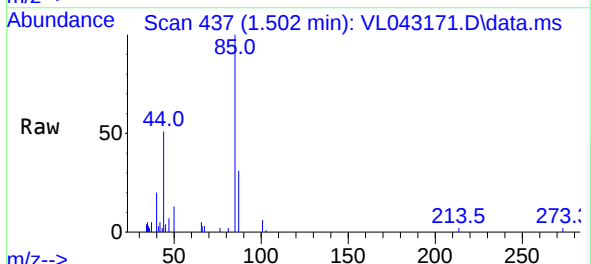
Instrument :
MSVOA_L
ClientSampleId :
141-SG-2DL

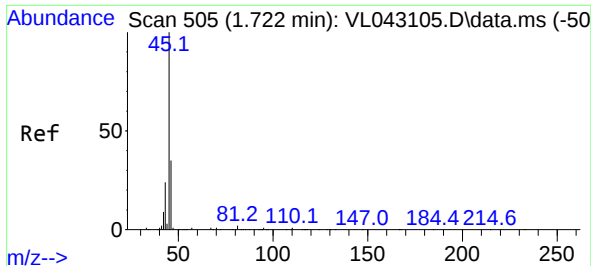
Tgt Ion: 49 Resp: 111726
Ion Ratio Lower Upper
49 100
128 48.4 24.4 73.4
130 62.3 31.0 93.0



#2
Dichlorodifluoromethane
Concen: 0.117 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL043171.D
Acq: 06 Nov 2025 17:03

Tgt Ion: 85 Resp: 1859
Ion Ratio Lower Upper
85 100
87 30.0 25.3 37.9

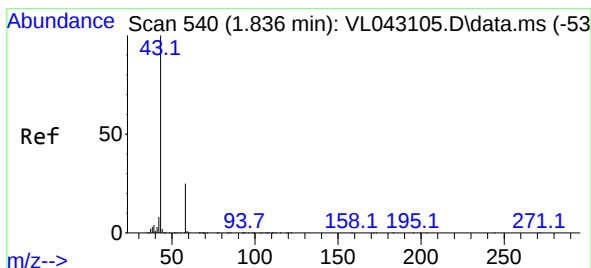
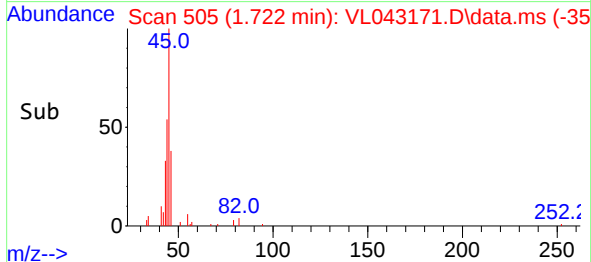
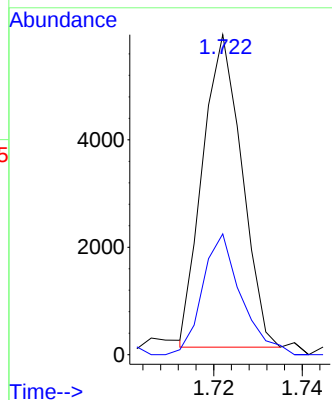
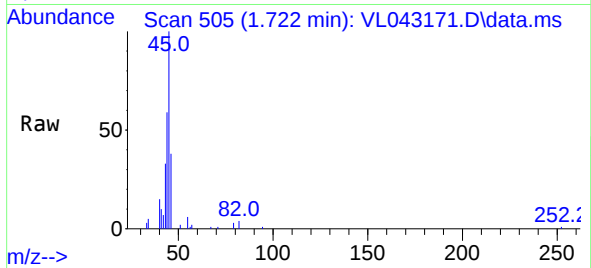




#13
Ethanol
Concen: 1.272 ppbv
RT: 1.722 min Scan# 505
Delta R.T. -0.000 min
Lab File: VL043171.D
Acq: 06 Nov 2025 17:03

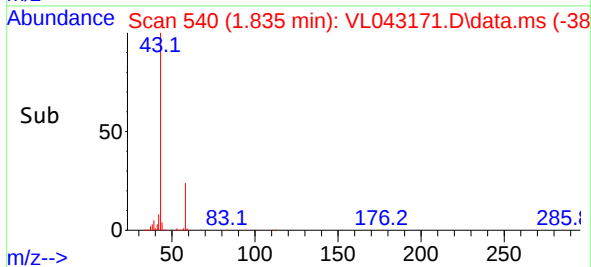
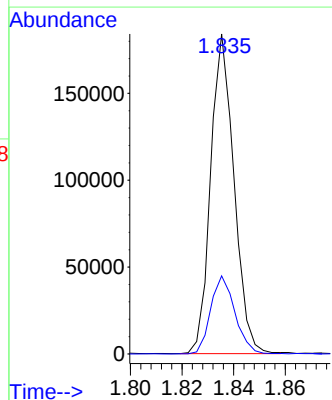
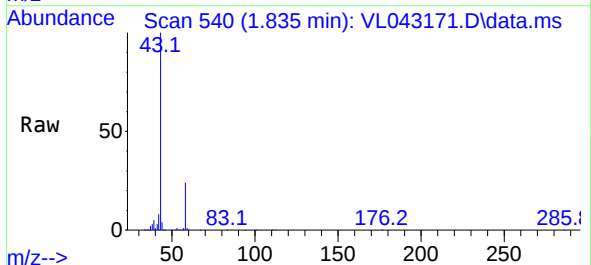
Instrument :
MSVOA_L
ClientSampleId :
141-SG-2DL

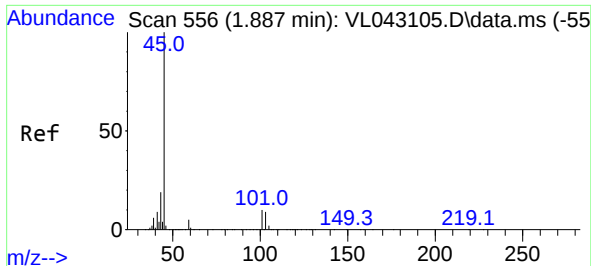
Tgt Ion: 45 Resp: 3586
Ion Ratio Lower Upper
45 100
46 39.4 14.7 58.9



#15
Acetone
Concen: 7.674 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL043171.D
Acq: 06 Nov 2025 17:03

Tgt Ion: 43 Resp: 115569
Ion Ratio Lower Upper
43 100
58 25.6 20.8 31.2

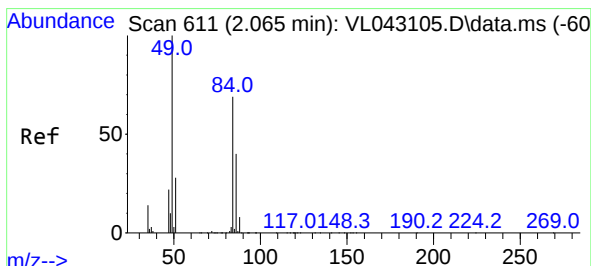
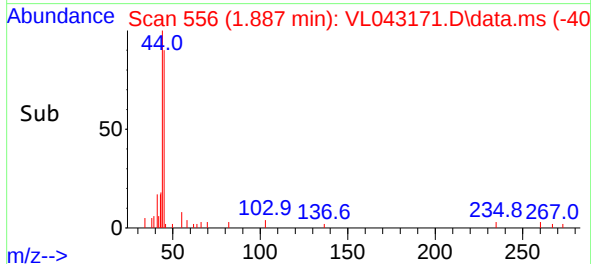
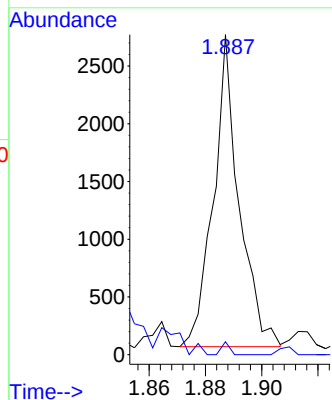
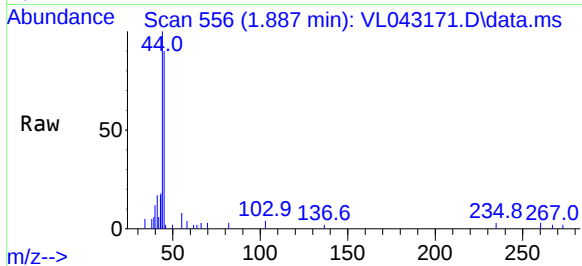




#19
Isopropyl Alcohol
Concen: 0.182 ppbv
RT: 1.887 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL043171.D
Acq: 06 Nov 2025 17:03

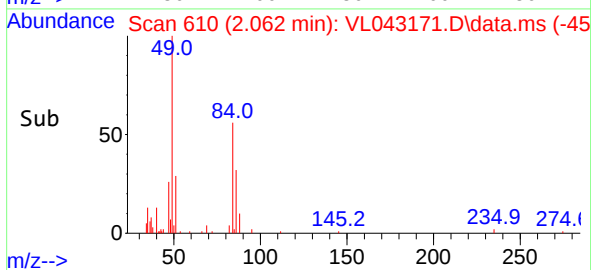
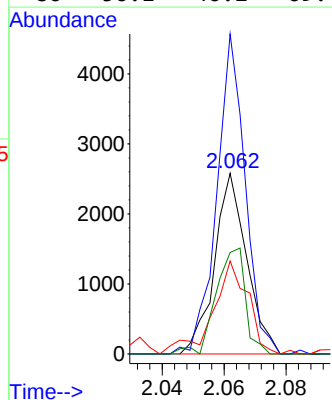
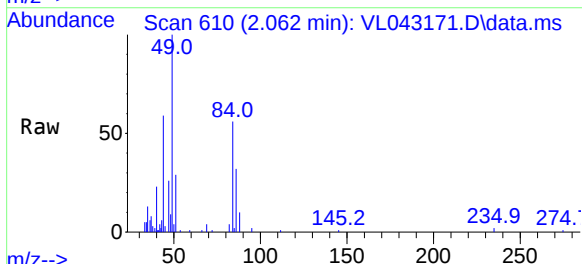
Instrument :
MSVOA_L
ClientSampleId :
141-SG-2DL

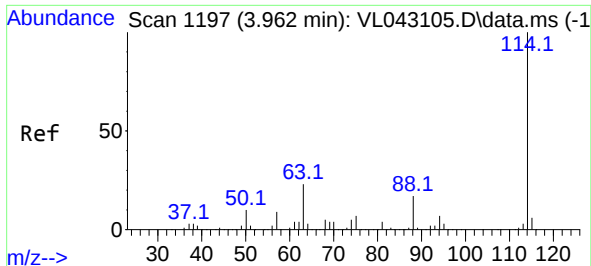
Tgt Ion: 45 Resp: 1703
Ion Ratio Lower Upper
45 100
58 1732.9 31.3 46.9#



#20
Methylene Chloride
Concen: 0.314 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.003 min
Lab File: VL043171.D
Acq: 06 Nov 2025 17:03

Tgt Ion: 84 Resp: 1868
Ion Ratio Lower Upper
84 100
49 177.1 116.6 175.0#
51 51.4 34.8 52.2
86 56.1 46.2 69.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.955 min Scan# 1195

Delta R.T. -0.007 min

Lab File: VL043171.D

Acq: 06 Nov 2025 17:03

Instrument :

MSVOA_L

ClientSampleId :

141-SG-2DL

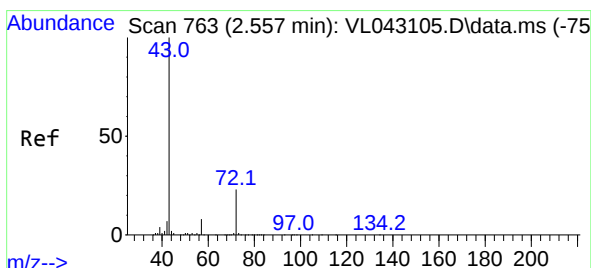
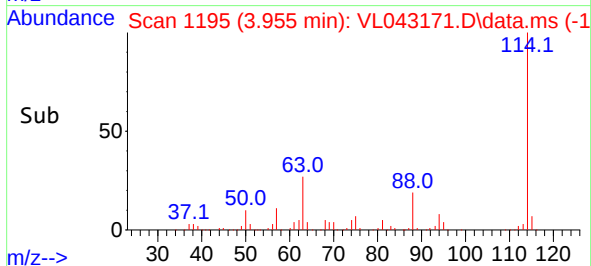
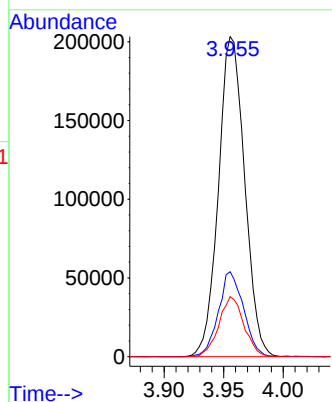
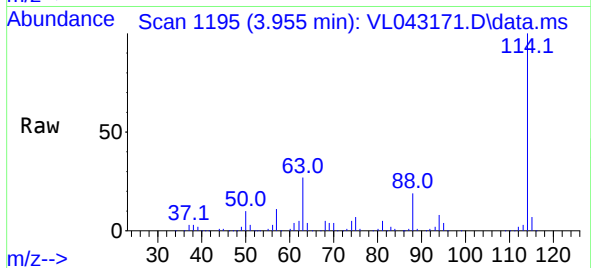
Tgt Ion:114 Resp: 310352

Ion Ratio Lower Upper

114 100

63 25.6 19.3 28.9

88 17.9 13.9 20.9



#34

2-Butanone

Concen: 0.275 ppbv

RT: 2.560 min Scan# 764

Delta R.T. 0.003 min

Lab File: VL043171.D

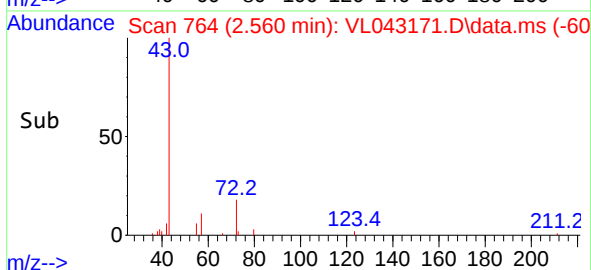
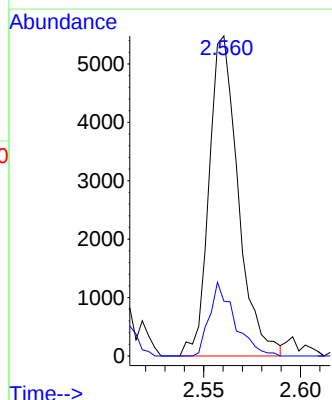
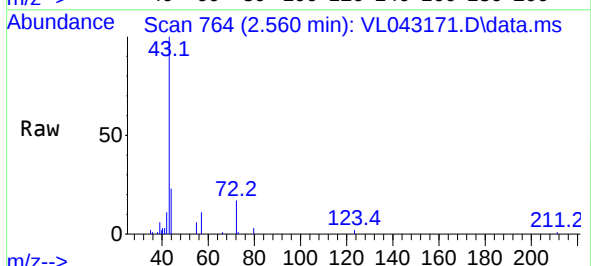
Acq: 06 Nov 2025 17:03

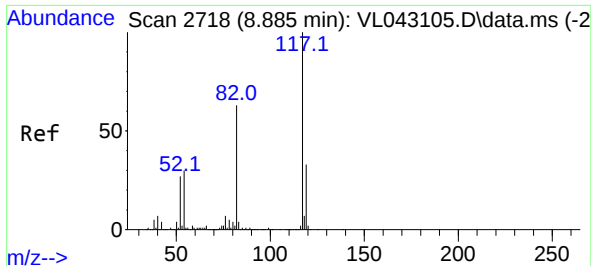
Tgt Ion: 43 Resp: 5741

Ion Ratio Lower Upper

43 100

72 19.9 18.4 27.6

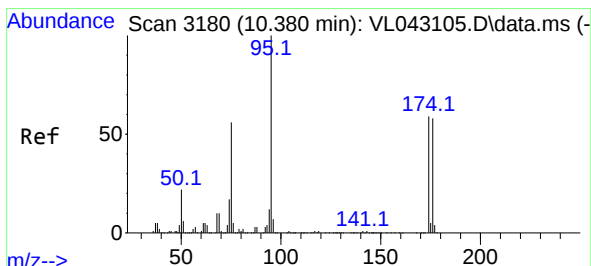
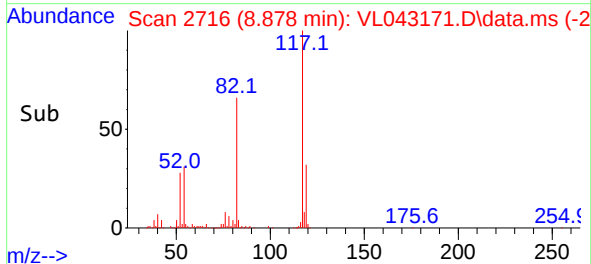
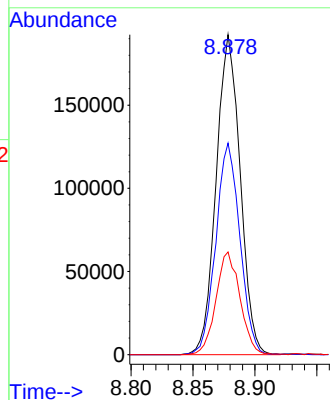
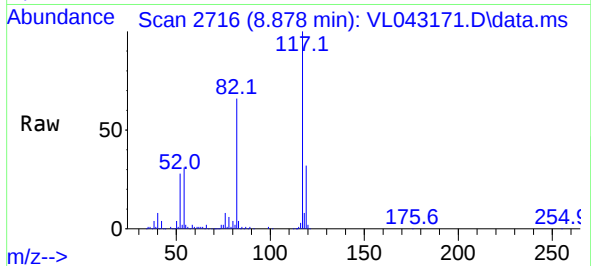




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 21
Delta R.T. -0.007 min
Lab File: VL043171.D
Acq: 06 Nov 2025 17:03

Instrument :
MSVOA_L
ClientSampleId :
141-SG-2DL

Tgt Ion:117 Resp: 260144
Ion Ratio Lower Upper
117 100
82 66.4 53.8 80.8
119 32.2 25.4 38.0



#68
1-Bromo-4-Fluorobenzene
Concen: 10.107 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. -0.007 min
Lab File: VL043171.D
Acq: 06 Nov 2025 17:03

Tgt Ion: 95 Resp: 204363
Ion Ratio Lower Upper
95 100
174 63.1 48.3 72.5
175 4.6 3.8 5.8

