

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110625\
 Data File : VL043166.D
 Acq On : 06 Nov 2025 14:22
 Operator : SY/MD
 Sample : Q3555-04DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 151-SG-2DL

Quant Time: Nov 07 00:22:59 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

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

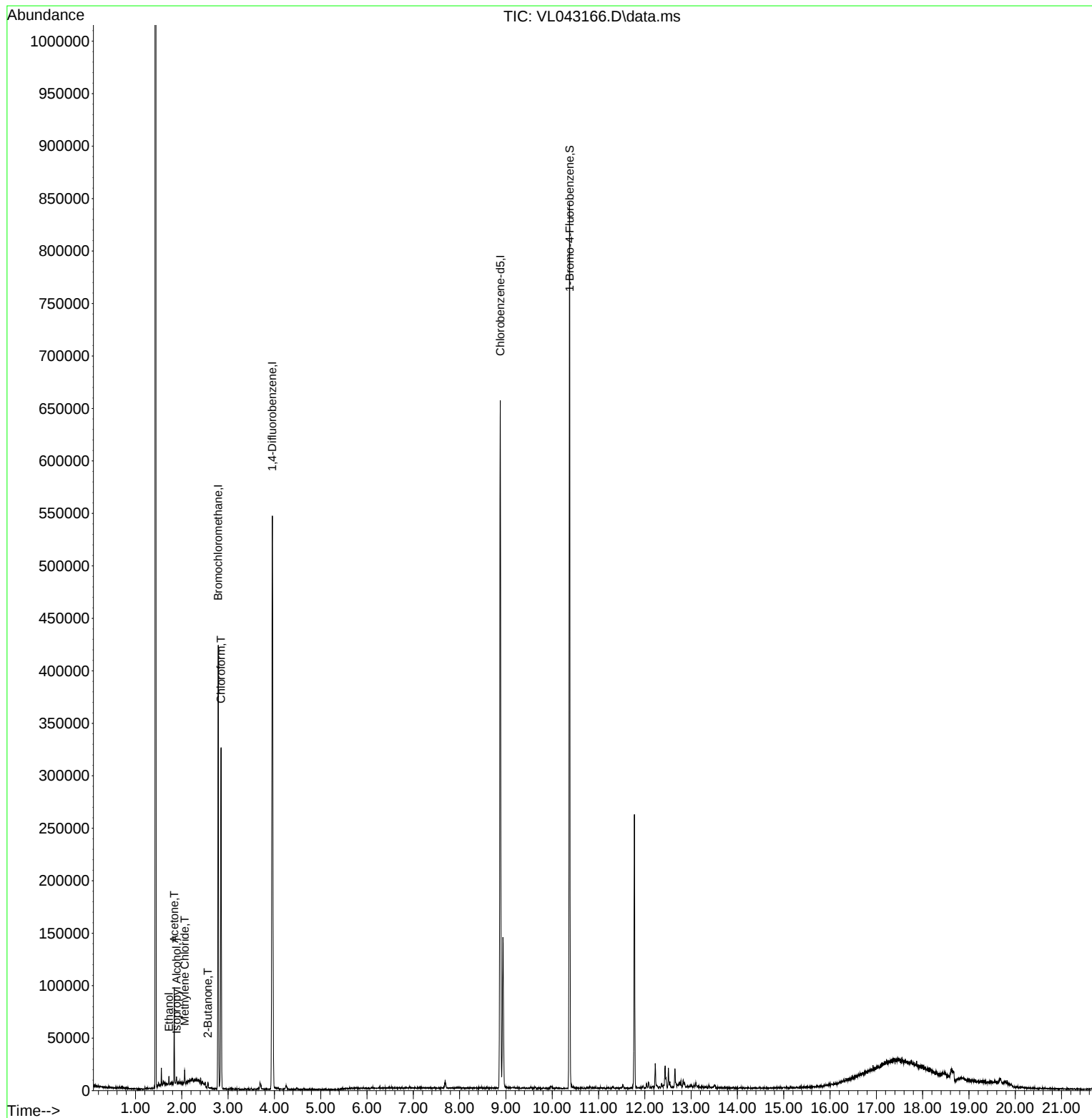
Internal Standards						
1) Bromochloromethane	2.787	49	112780	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	323131	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	266609	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	206566	9.968	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.700%
Target Compounds						
					Qvalue	
13) Ethanol	1.722	45	2513	0.883	ppbv #	38
15) Acetone	1.835	43	37086	2.440	ppbv	95
19) Isopropyl Alcohol	1.887	45	2663	0.281	ppbv #	1
20) Methylene Chloride	2.062	84	1970	0.328	ppbv #	64
29) Chloroform	2.848	83	135444	5.382	ppbv	99
34) 2-Butanone	2.560	43	3218	0.148	ppbv	93

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

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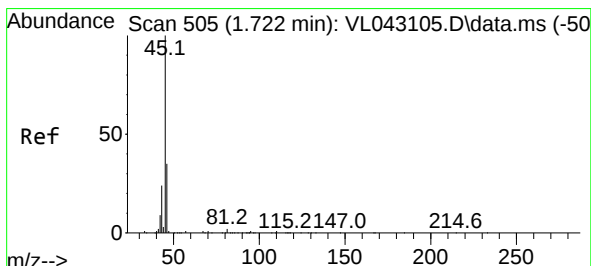
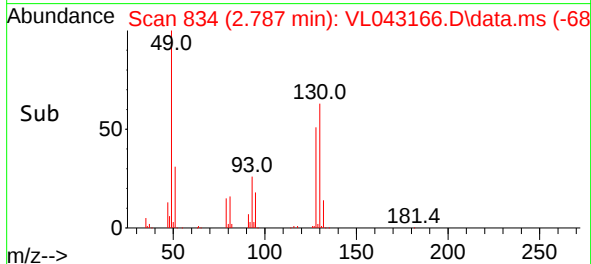
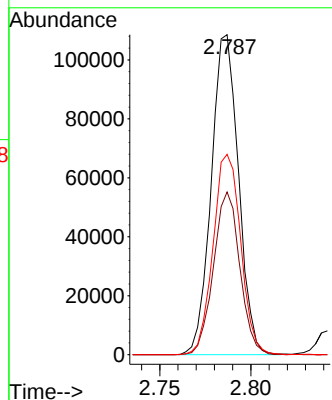
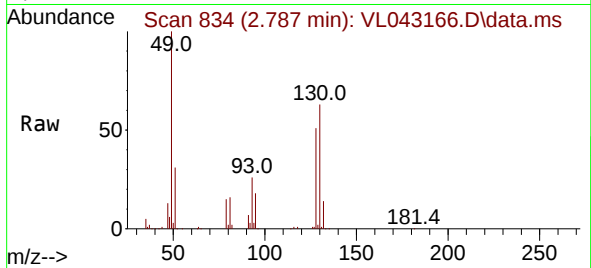




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL043166.D
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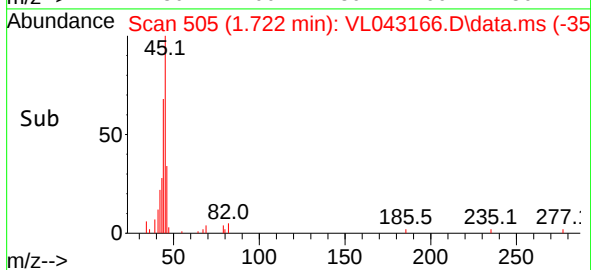
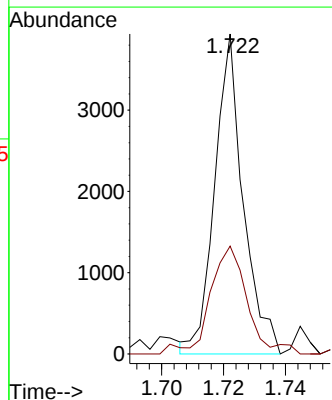
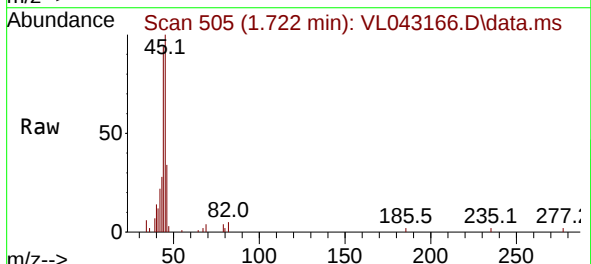
Instrument :
MSVOA_L
ClientSampleId :
151-SG-2DL

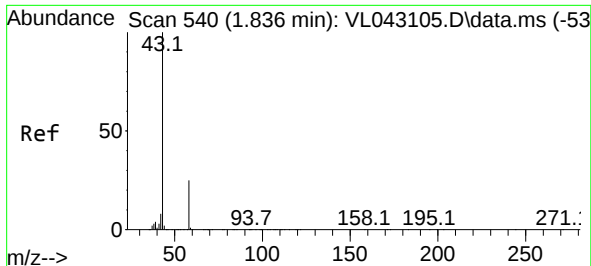
Tgt Ion: 49 Resp: 112780
Ion Ratio Lower Upper
49 100
128 49.2 24.4 73.4
130 63.8 31.0 93.0



#13
Ethanol
Concen: 0.883 ppbv
RT: 1.722 min Scan# 505
Delta R.T. -0.000 min
Lab File: VL043166.D
Acq: 06 Nov 2025 14:22

Tgt Ion: 45 Resp: 2513
Ion Ratio Lower Upper
45 100
46 0.0 14.7 58.9#

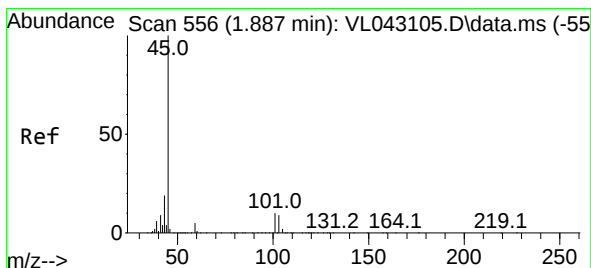
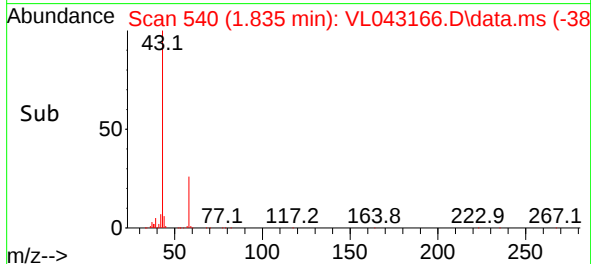
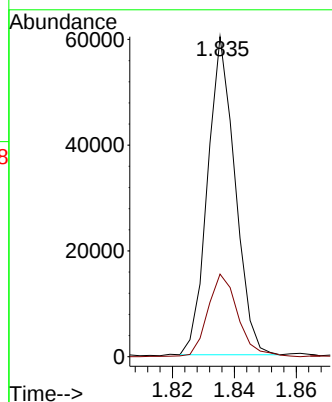
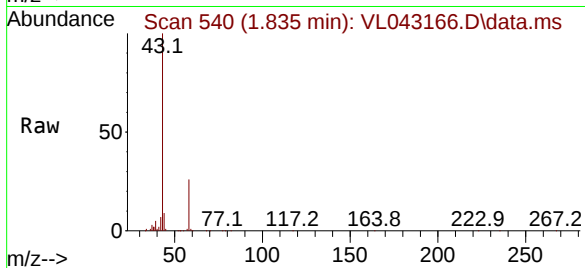




#15
Acetone
Concen: 2.440 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL043166.D
Acq: 06 Nov 2025 14:22

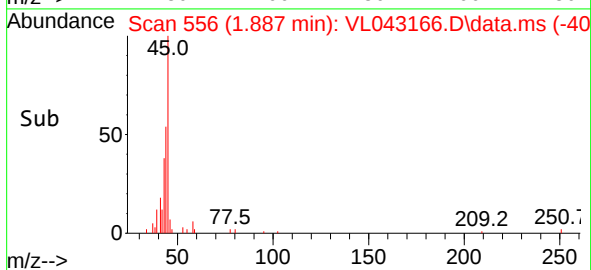
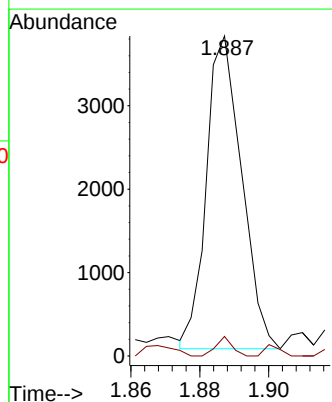
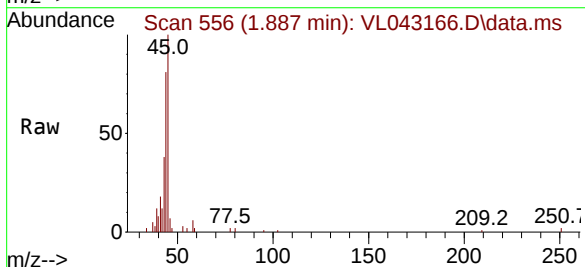
Instrument :
MSVOA_1
ClientSampleId :
151-SG-2DL

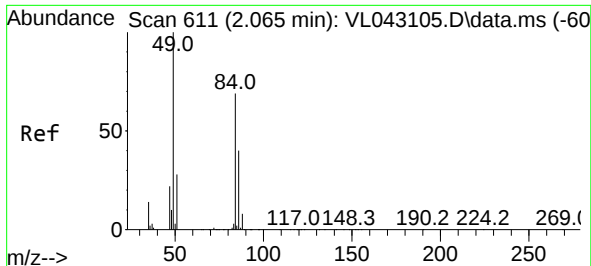
Tgt Ion: 43 Resp: 37086
Ion Ratio Lower Upper
43 100
58 28.7 20.8 31.2



#19
Isopropyl Alcohol
Concen: 0.281 ppbv
RT: 1.887 min Scan# 556
Delta R.T. -0.000 min
Lab File: VL043166.D
Acq: 06 Nov 2025 14:22

Tgt Ion: 45 Resp: 2663
Ion Ratio Lower Upper
45 100
58 400.3 31.3 46.9#

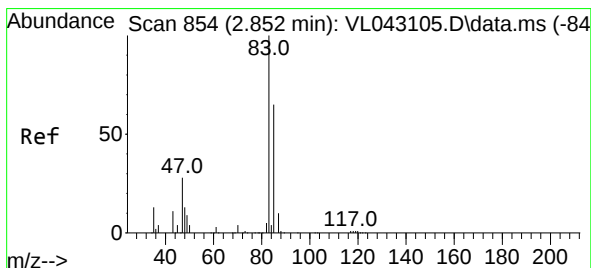
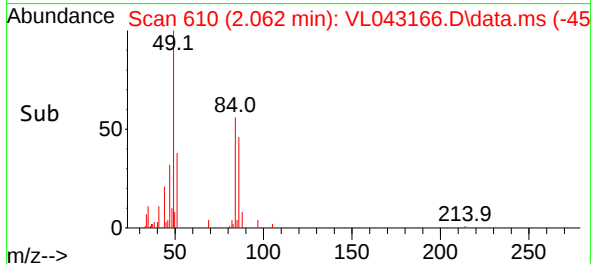
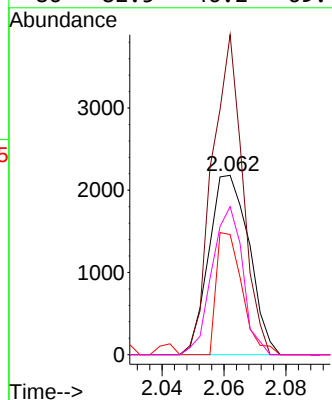
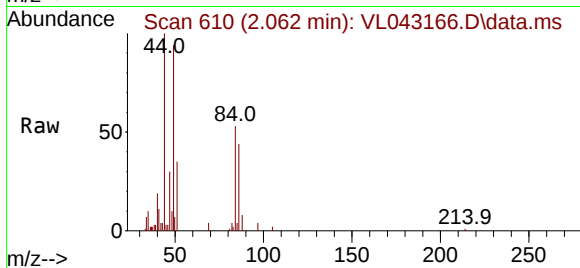




#20
Methylene Chloride
Concen: 0.328 ppbv
RT: 2.062 min Scan# 611
Delta R.T. -0.003 min
Lab File: VL043166.D
Acq: 06 Nov 2025 14:22

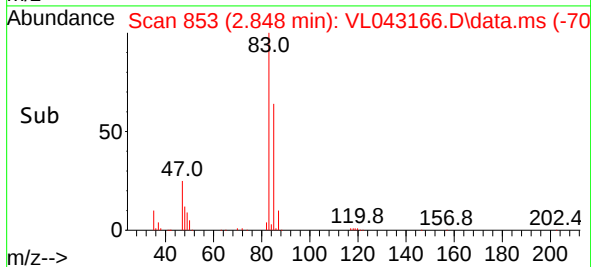
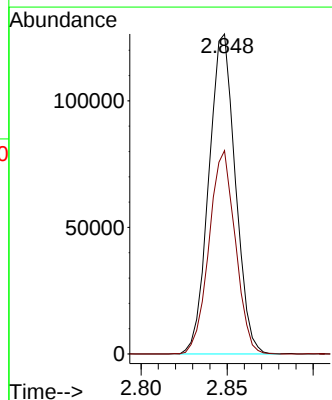
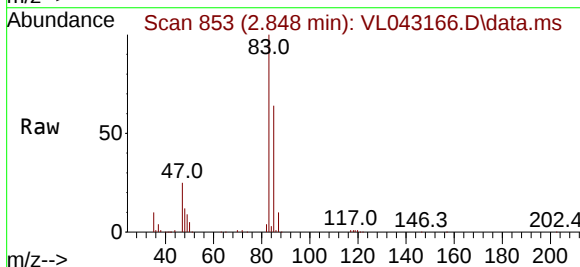
Instrument :
MSVOA_L
ClientSampleId :
151-SG-2DL

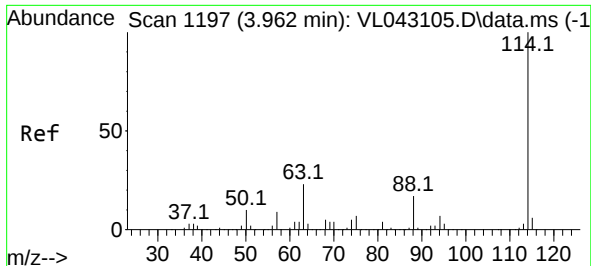
Tgt Ion: 84 Resp: 1970
Ion Ratio Lower Upper
84 100
49 192.3 116.6 175.0#
51 67.0 34.8 52.2#
86 82.5 46.2 69.4#



#29
Chloroform
Concen: 5.382 ppbv
RT: 2.848 min Scan# 853
Delta R.T. -0.003 min
Lab File: VL043166.D
Acq: 06 Nov 2025 14:22

Tgt Ion: 83 Resp: 135444
Ion Ratio Lower Upper
83 100
85 63.6 51.8 77.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.955 min Scan# 1195

Delta R.T. -0.007 min

Lab File: VL043166.D

Acq: 06 Nov 2025 14:22

Instrument :

MSVOA_1

ClientSampleId :

151-SG-2DL

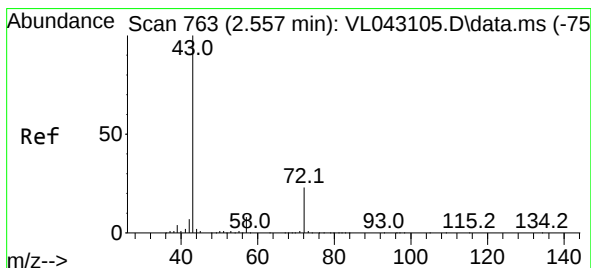
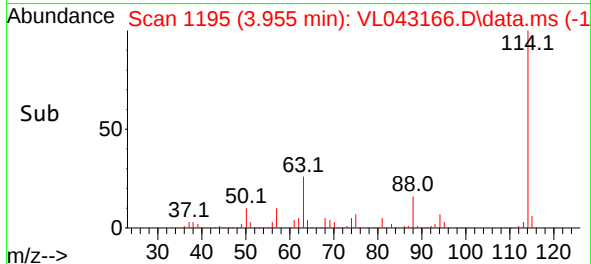
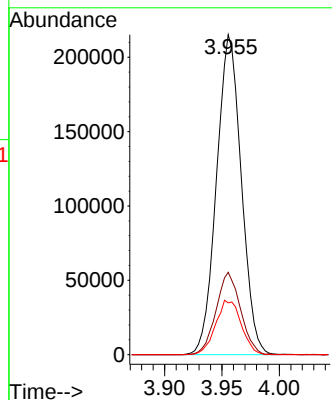
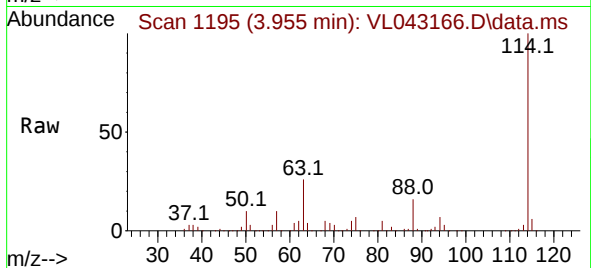
Tgt Ion:114 Resp: 323131

Ion Ratio Lower Upper

114 100

63 25.5 19.3 28.9

88 17.6 13.9 20.9



#34

2-Butanone

Concen: 0.148 ppbv

RT: 2.560 min Scan# 764

Delta R.T. 0.003 min

Lab File: VL043166.D

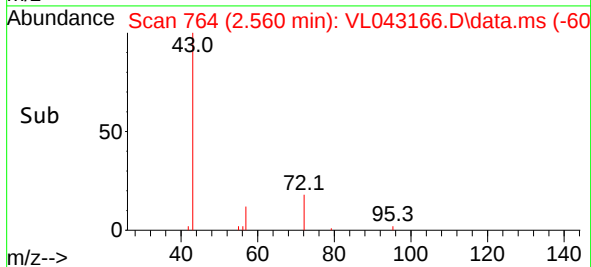
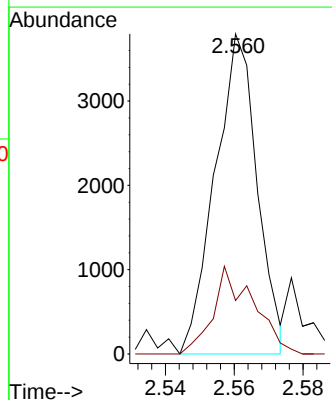
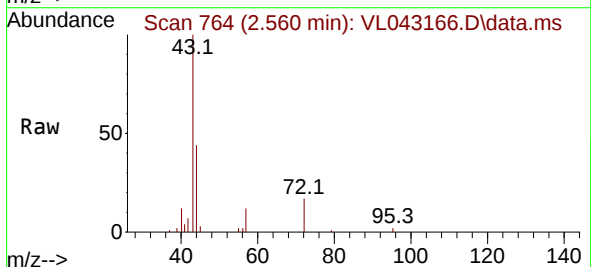
Acq: 06 Nov 2025 14:22

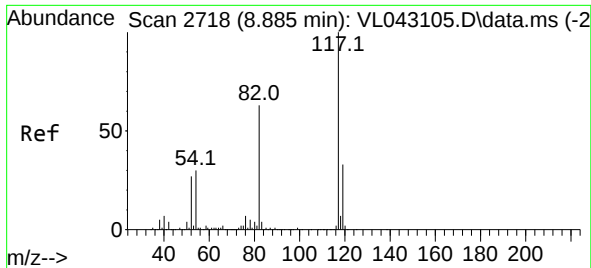
Tgt Ion: 43 Resp: 3218

Ion Ratio Lower Upper

43 100

72 26.3 18.4 27.6

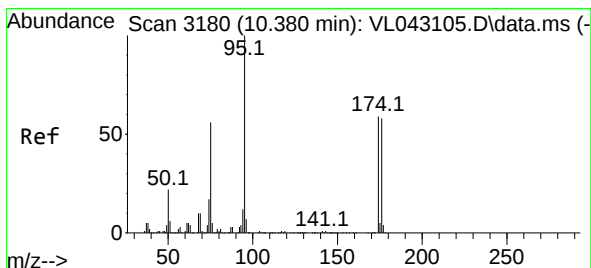
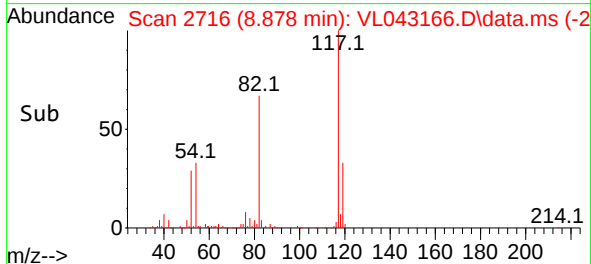
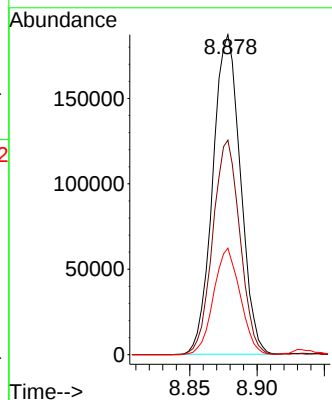
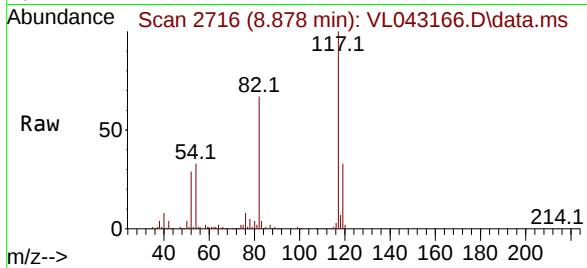




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 21
Delta R.T. -0.007 min
Lab File: VL043166.D
Acq: 06 Nov 2025 14:22

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Tgt Ion:117 Resp: 266609
Ion Ratio Lower Upper
117 100
82 66.3 53.8 80.8
119 32.2 25.4 38.0



#68
1-Bromo-4-Fluorobenzene
Concen: 9.968 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. -0.007 min
Lab File: VL043166.D
Acq: 06 Nov 2025 14:22

Tgt Ion: 95 Resp: 206566
Ion Ratio Lower Upper
95 100
174 64.2 48.3 72.5
175 4.8 3.8 5.8

