

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 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)

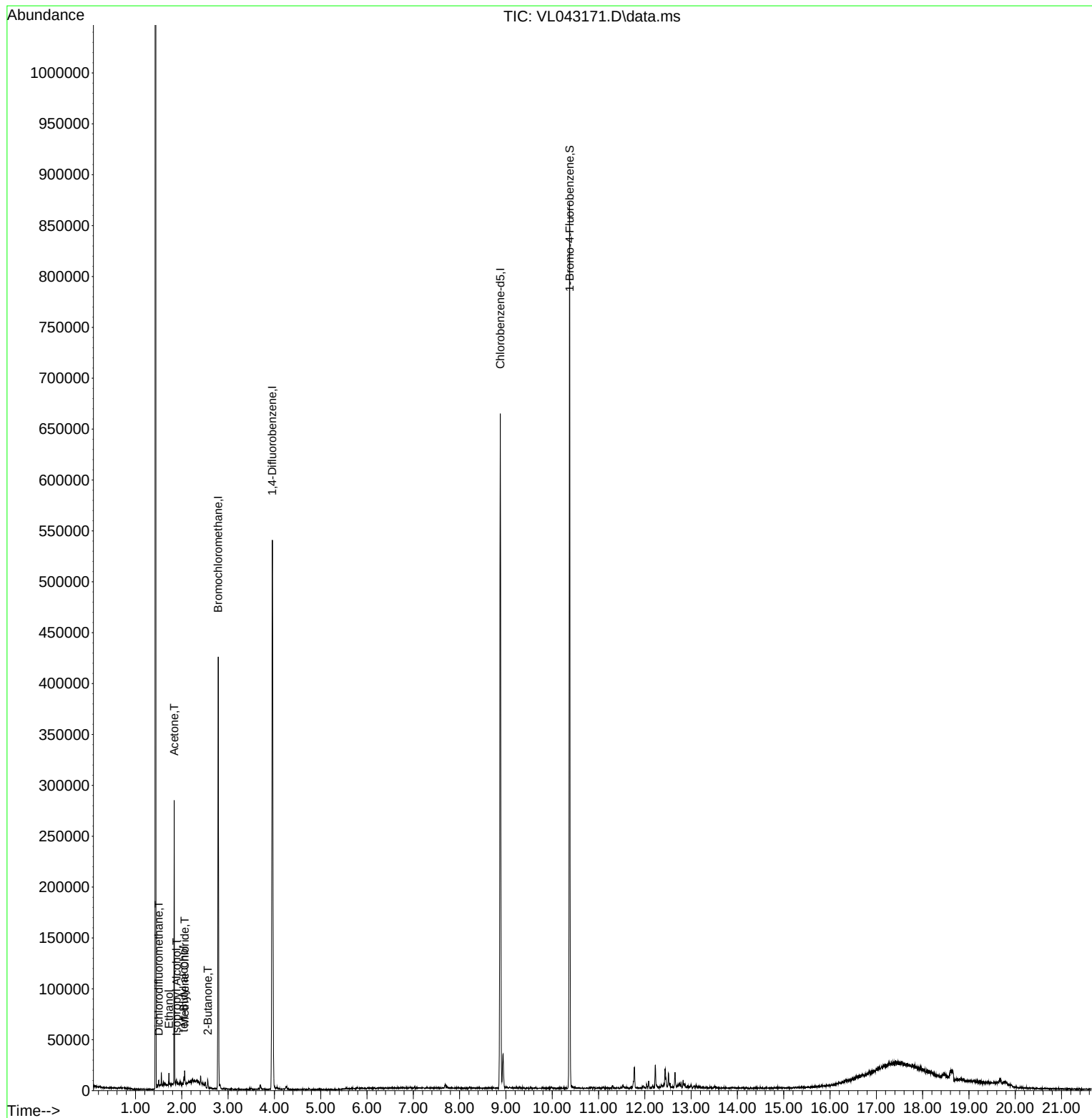
Internal Standards						
1) Bromochloromethane	2.787	49	111726	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	310352	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	260144	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	204363	10.107	ppbv	0.00
Spiked Amount	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
17) tert-Butyl alcohol	2.046	59	2378m	0.115	ppbv	
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

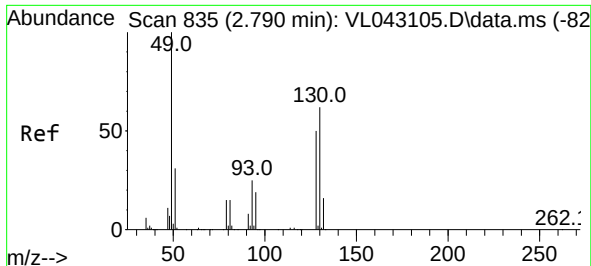
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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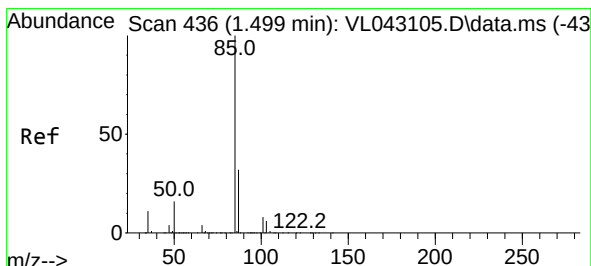
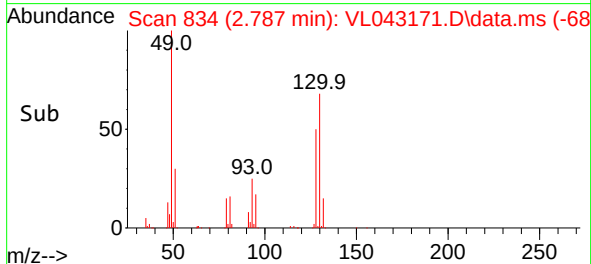
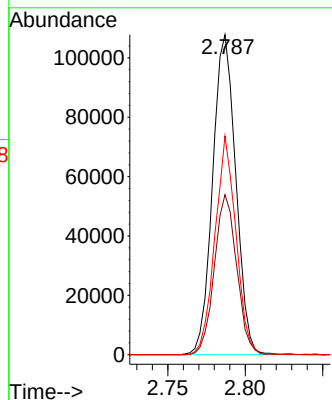
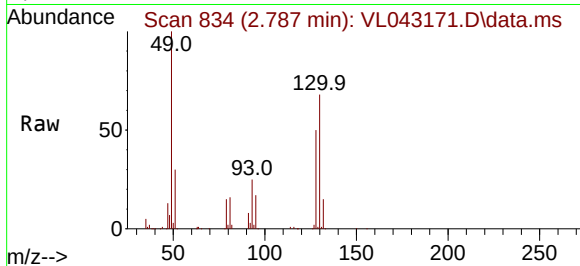




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.787 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VL043171.D
 Acq: 06 Nov 2025 17:03

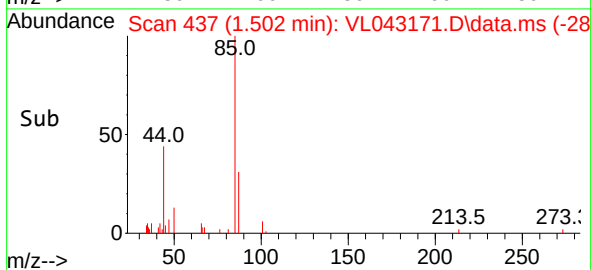
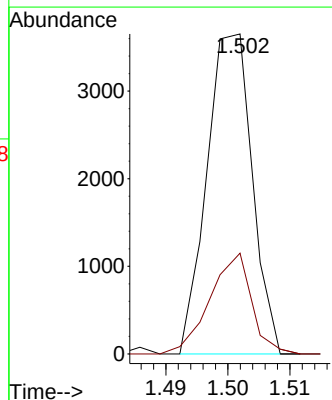
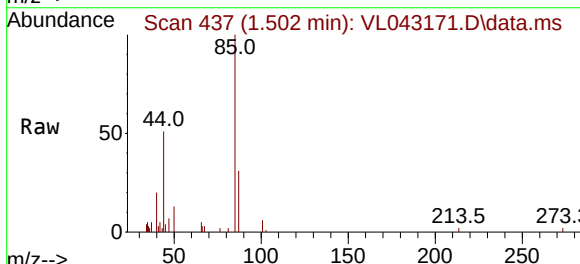
Instrument :
 MSVOA_L
 ClientSampleId :
 141-SG-2DL

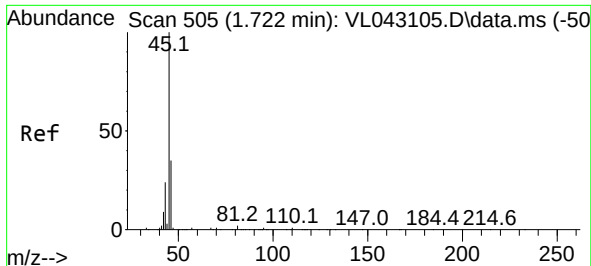
Tgt Ion: 49 Resp: 111726
 Ion Ratio Lower Upper
 49 100
 128 48.4 24.4 73.4
 130 62.3 31.0 93.0



#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

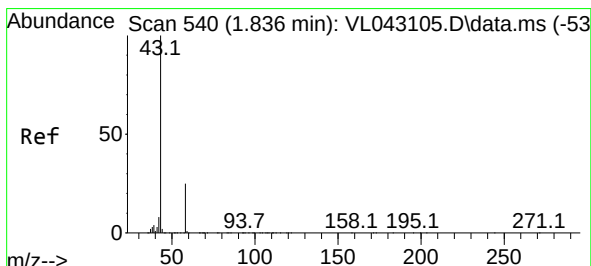
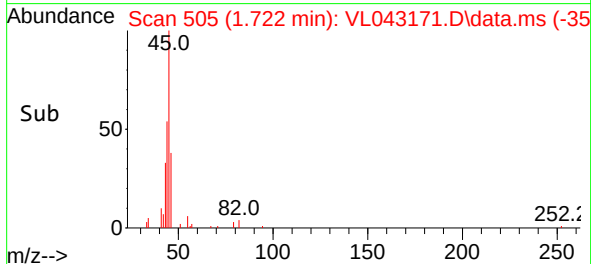
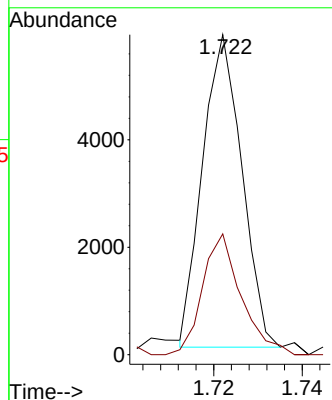
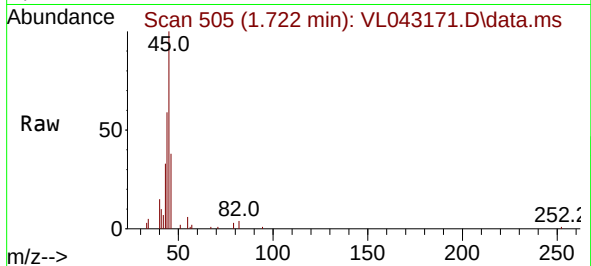




#13
Ethanol
Concen: 1.272 ppbv
RT: 1.722 min Scan# 505
Delta R.T. -0.000 min
Lab File: VL043171.D
Acq: 06 Nov 2025 17:03

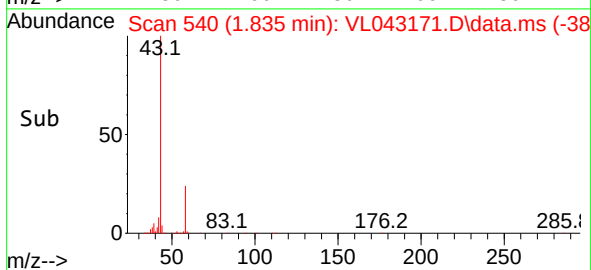
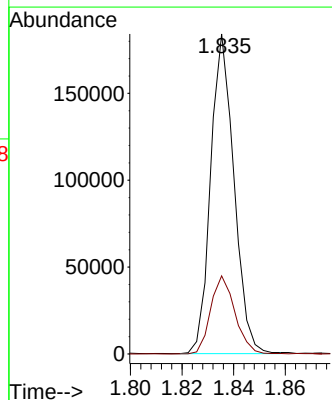
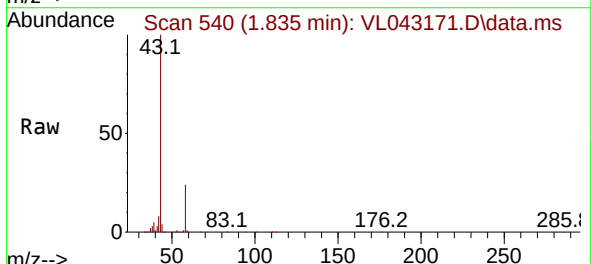
Instrument :
MSVOA_L
ClientSampleId :
141-SG-2DL

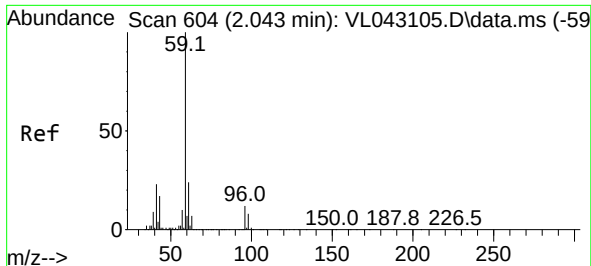
Tgt Ion: 45 Resp: 3586
Ion Ratio Lower Upper
45 100
46 39.4 14.7 58.9



#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

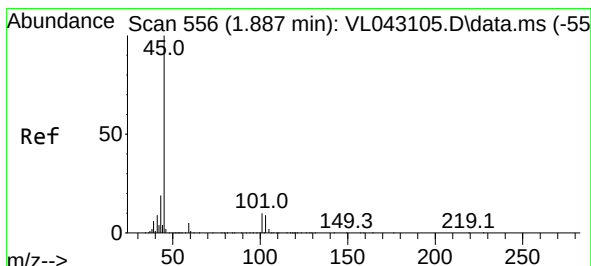
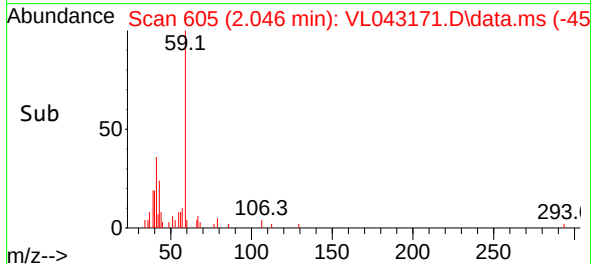
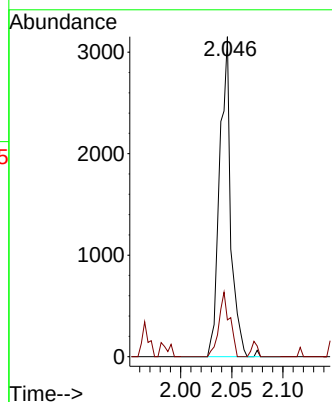
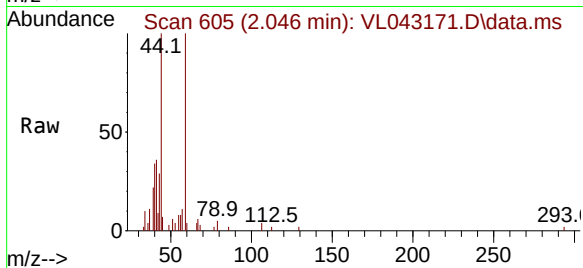




#17
tert-Butyl alcohol
Concen: 0.115 ppbv m
RT: 2.046 min Scan# 604
Delta R.T. 0.003 min
Lab File: VL043171.D
Acq: 06 Nov 2025 17:03

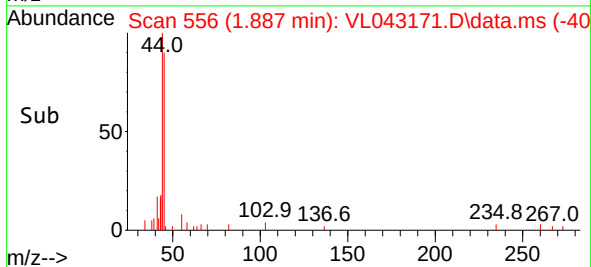
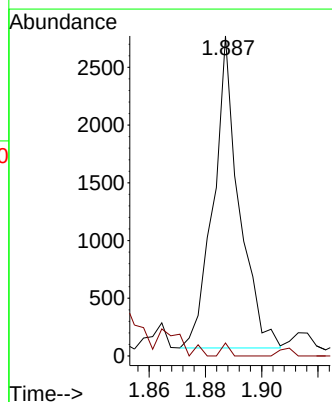
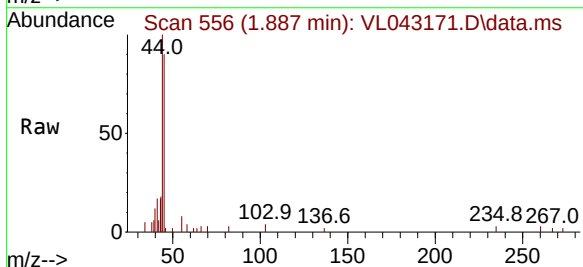
Instrument :
MSVOA_L
ClientSampleId :
141-SG-2DL

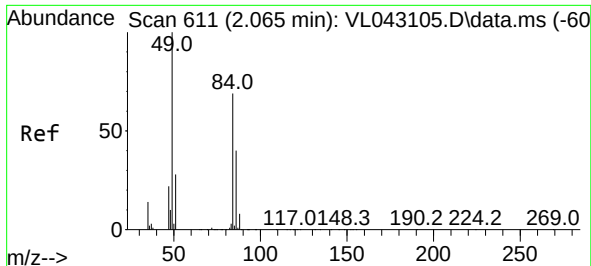
Tgt Ion: 59 Resp: 2378
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#19
Isopropyl Alcohol
Concen: 0.182 ppbv
RT: 1.887 min Scan# 556
Delta R.T. -0.000 min
Lab File: VL043171.D
Acq: 06 Nov 2025 17:03

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



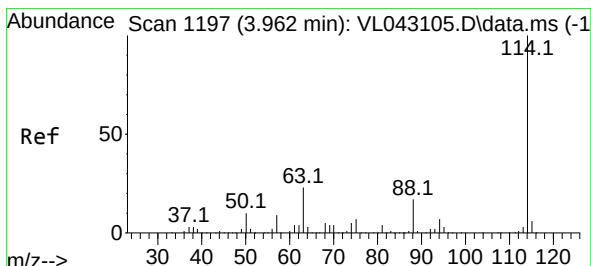
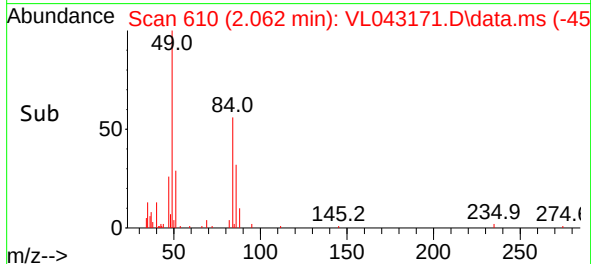
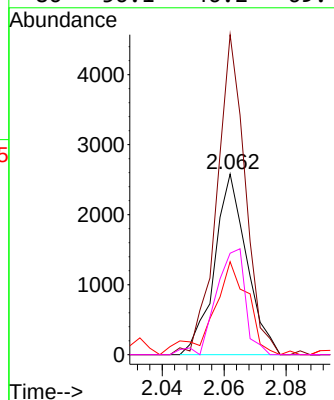
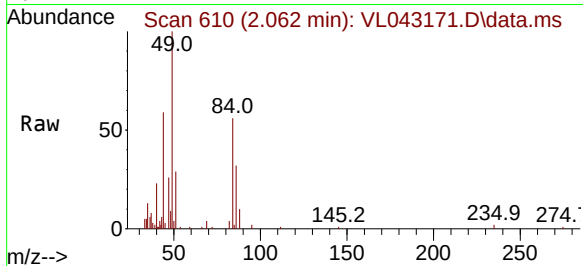


#20
Methylene Chloride
Concen: 0.314 ppbv
RT: 2.062 min Scan# 611
Delta R.T. -0.003 min
Lab File: VL043171.D
Acq: 06 Nov 2025 17:03

Instrument :
MSVOA_L
ClientSampleId :
141-SG-2DL

Tgt Ion: 84 Resp: 1868

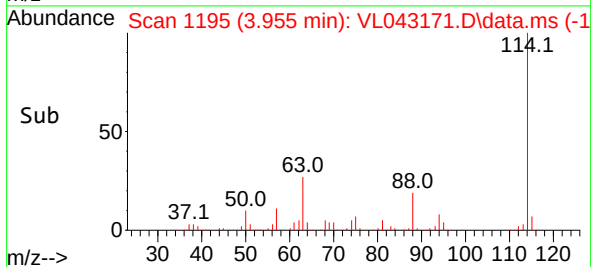
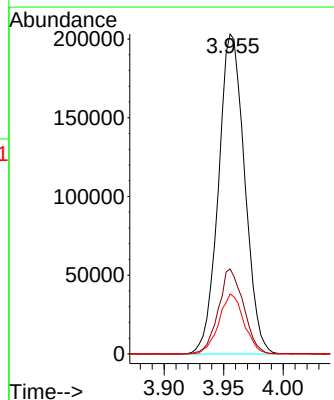
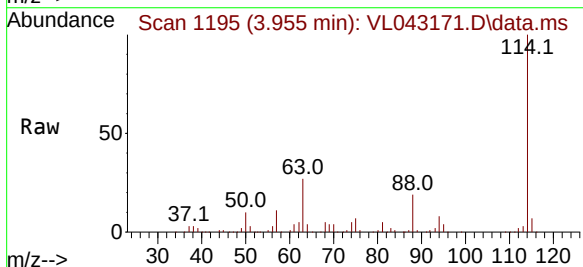
Ion	Ratio	Lower	Upper
84	100		
49	177.1	116.6	175.0#
51	51.4	34.8	52.2
86	56.1	46.2	69.4

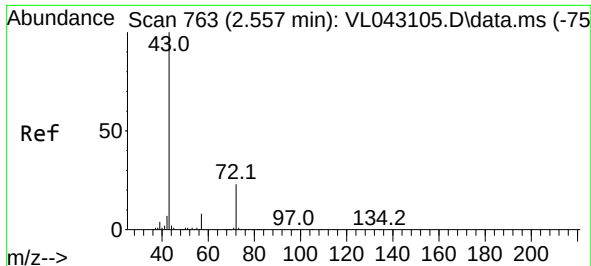


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 1195
Delta R.T. -0.007 min
Lab File: VL043171.D
Acq: 06 Nov 2025 17:03

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

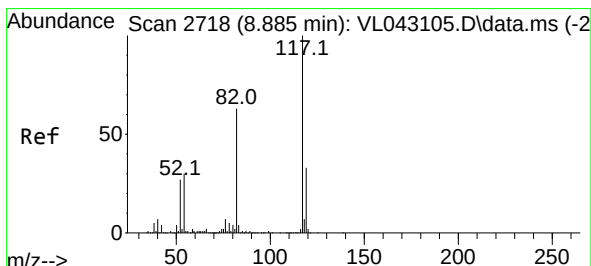
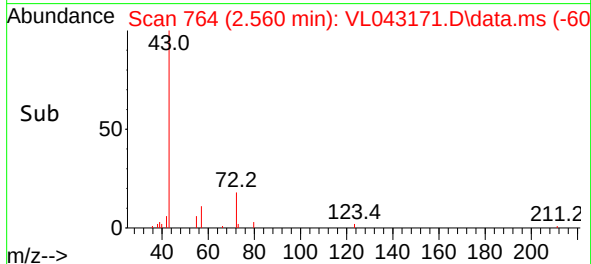
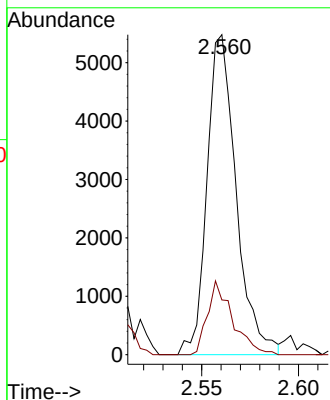
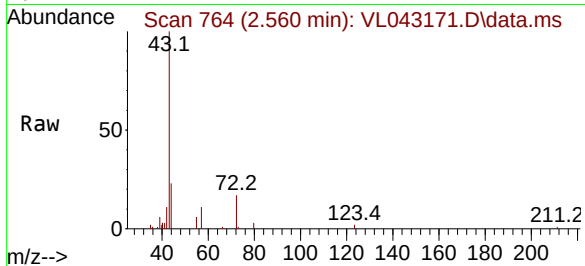




#34
2-Butanone
Concen: 0.275 ppbv
RT: 2.560 min Scan# 764
Delta R.T. 0.003 min
Lab File: VL043171.D
Acq: 06 Nov 2025 17:03

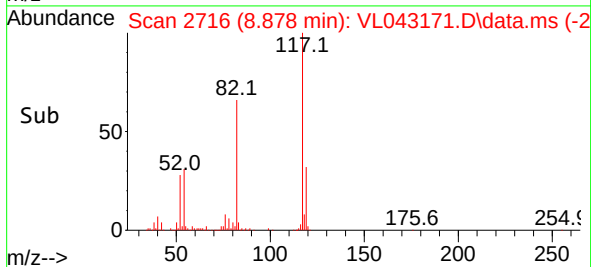
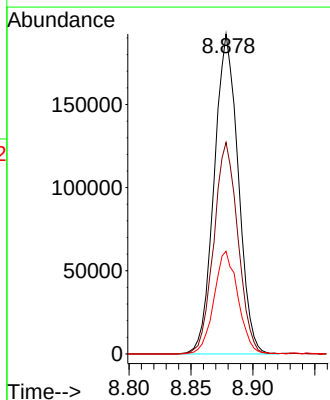
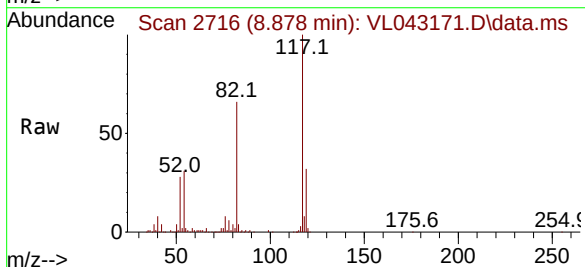
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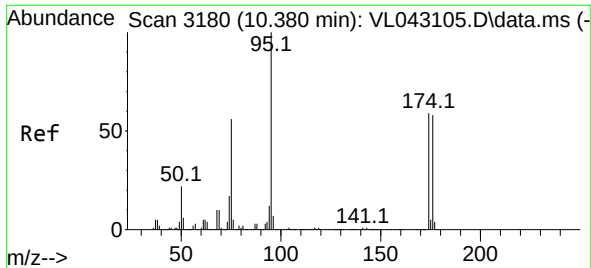
Tgt Ion: 43 Resp: 5741
Ion Ratio Lower Upper
43 100
72 19.9 18.4 27.6



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2716
Delta R.T. -0.007 min
Lab File: VL043171.D
Acq: 06 Nov 2025 17:03

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# 31
 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: 95 Resp: 204363

Ion	Ratio	Lower	Upper
95	100		
174	63.1	48.3	72.5
175	4.6	3.8	5.8

