

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011425\
 Data File : VL041897.D
 Acq On : 14 Jan 2025 18:34
 Operator : SY/MD
 Sample : VL0114ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jan 15 03:24:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Jan 14 23:15:42 2025
 Response via : Initial Calibration

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

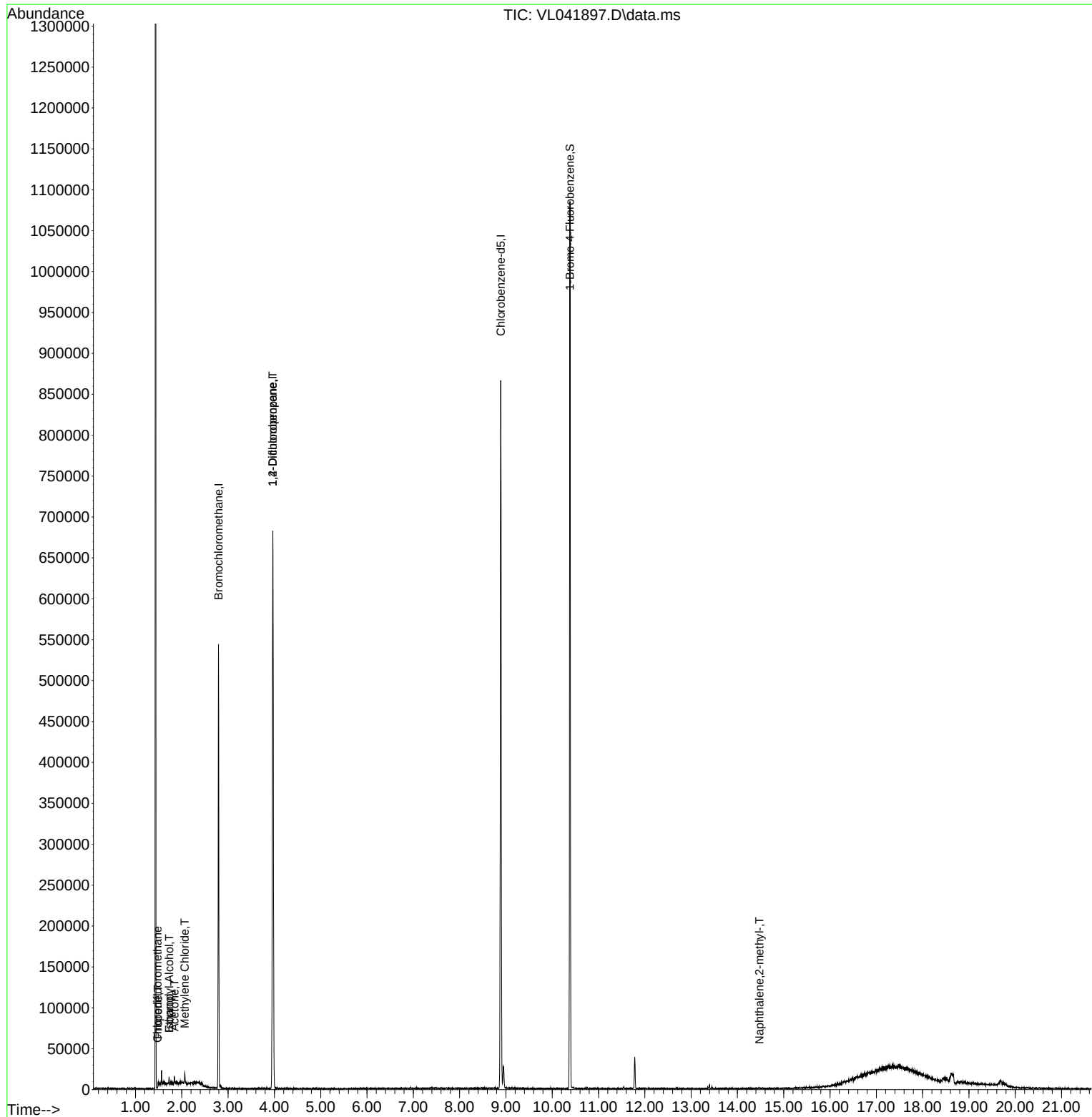
Internal Standards						
1) Bromochloromethane	2.793	49	140579	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	414150	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	360177	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	281871	9.936	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.400%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	1.476	51	859	0.043	ppbv	93
9) Propene	1.486	41	1068	0.129	ppbv	96
13) Ethanol	1.725	45	2714	4.484	ppbv #	31
15) Acetone	1.839	43	3787	0.224	ppbv #	88
19) Isopropyl Alcohol	1.725	45	2714	0.271	ppbv #	36
20) Methylene Chloride	2.065	84	2006	0.301	ppbv	97
39) 1,2-Dichloropropane	3.965	63	102747	7.711	ppbv #	23
80) Naphthalene,2-methyl-	14.478	142	242	0.010	ppbv #	53

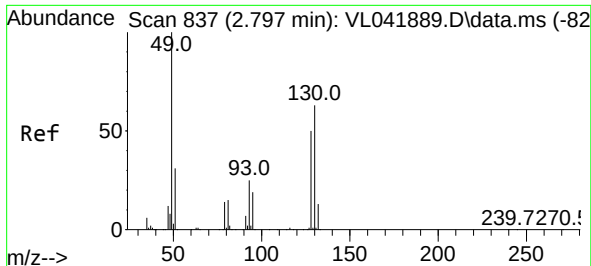
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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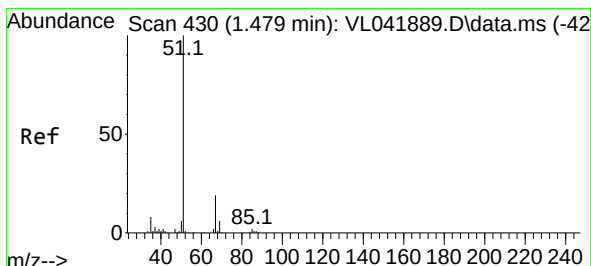
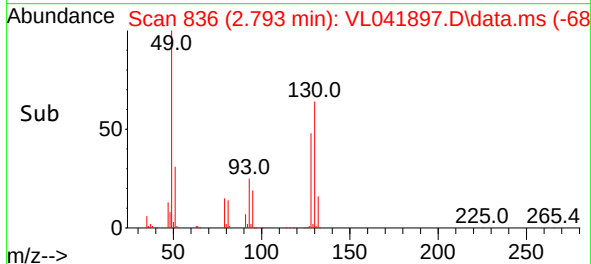
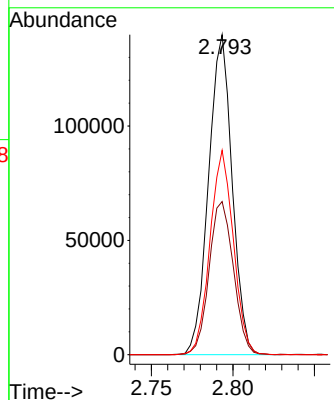
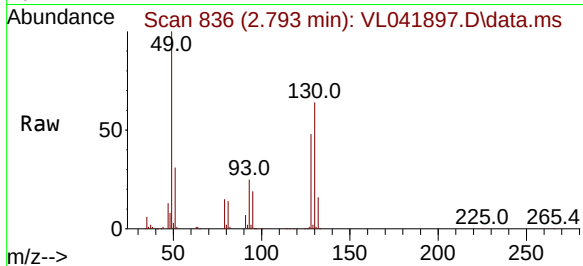




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 81
Delta R.T. -0.004 min
Lab File: VL041897.D
Acq: 14 Jan 2025 18:34

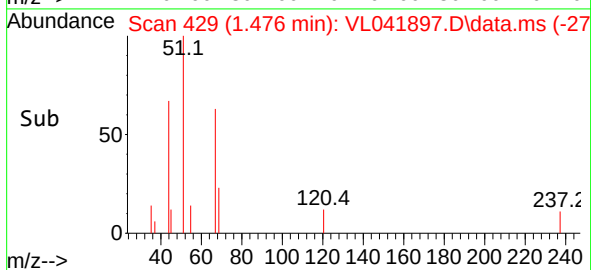
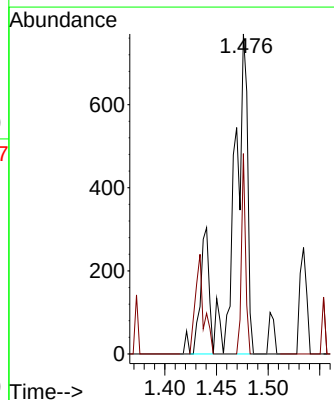
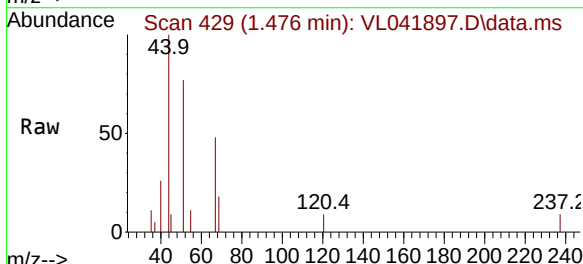
Instrument :
MSVOA_L
ClientSampleId :

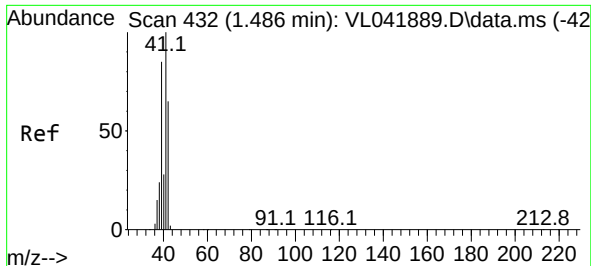
Tgt Ion: 49 Resp: 140579
Ion Ratio Lower Upper
49 100
128 49.5 24.3 73.0
130 63.4 31.1 93.2



#3
Chlorodifluoromethane
Concen: 0.043 ppbv
RT: 1.476 min Scan# 429
Delta R.T. -0.003 min
Lab File: VL041897.D
Acq: 14 Jan 2025 18:34

Tgt Ion: 51 Resp: 859
Ion Ratio Lower Upper
51 100
67 15.5 15.0 22.4





#9

Propene

Concen: 0.129 ppbv

RT: 1.486 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL041897.D

Acq: 14 Jan 2025 18:34

Instrument :

MSVOA_L

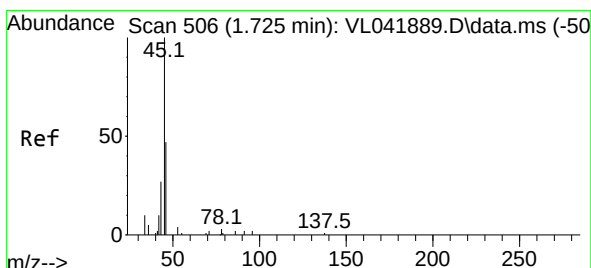
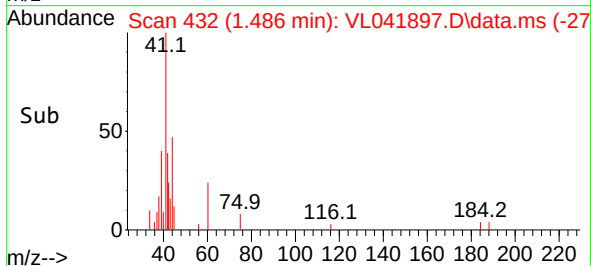
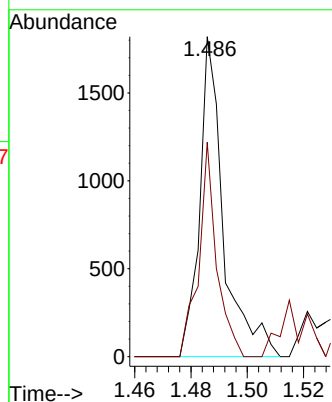
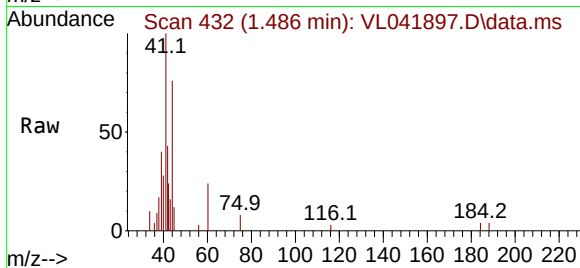
ClientSampleId :

Tgt Ion: 41 Resp: 1068

Ion Ratio Lower Upper

41 100

42 68.4 52.0 78.0



#13

Ethanol

Concen: 4.484 ppbv

RT: 1.725 min Scan# 506

Delta R.T. -0.000 min

Lab File: VL041897.D

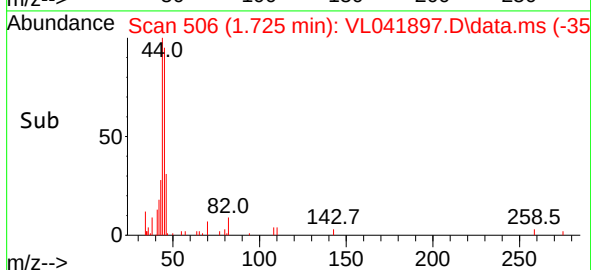
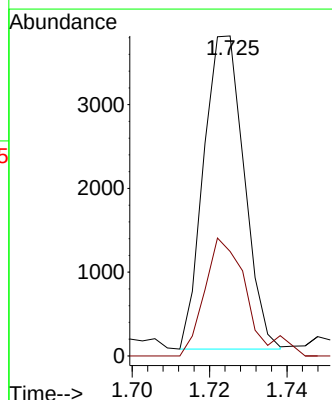
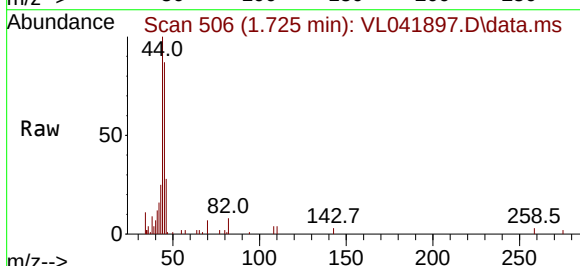
Acq: 14 Jan 2025 18:34

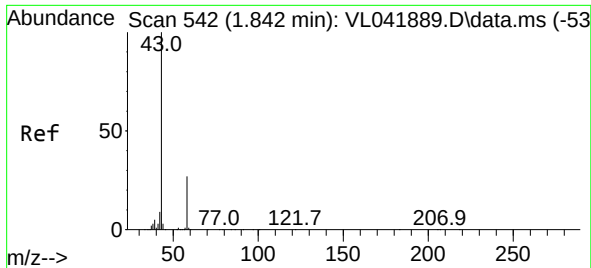
Tgt Ion: 45 Resp: 2714

Ion Ratio Lower Upper

45 100

46 0.0 18.1 72.5#





#15

Acetone

Concen: 0.224 ppbv

RT: 1.839 min Scan# 541

Delta R.T. -0.003 min

Lab File: VL041897.D

Acq: 14 Jan 2025 18:34

Instrument :

MSVOA_L

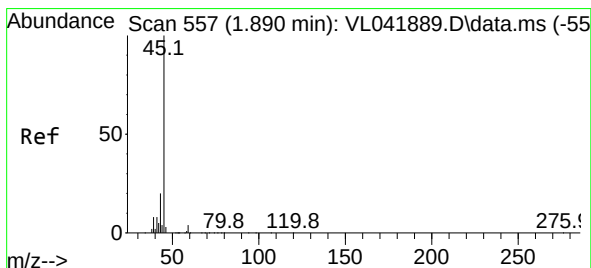
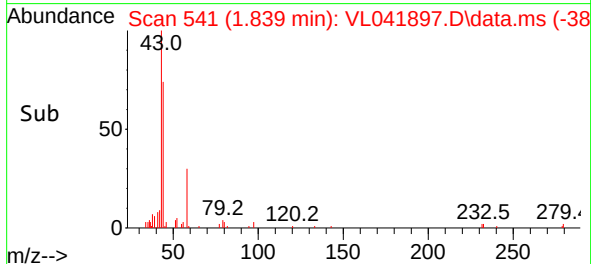
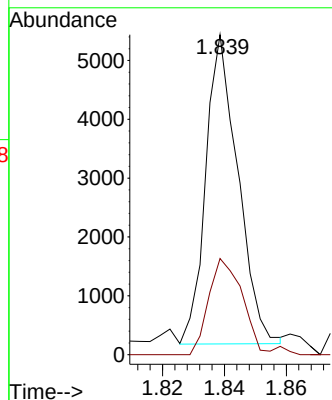
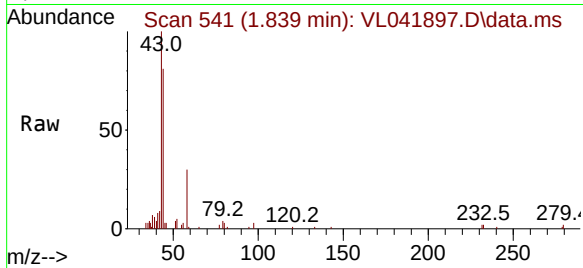
ClientSampleId :

Tgt Ion: 43 Resp: 3787

Ion Ratio Lower Upper

43 100

58 33.5 21.9 32.9#



#19

Isopropyl Alcohol

Concen: 0.271 ppbv

RT: 1.725 min Scan# 506

Delta R.T. -0.165 min

Lab File: VL041897.D

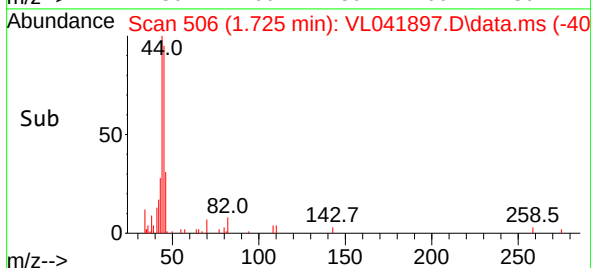
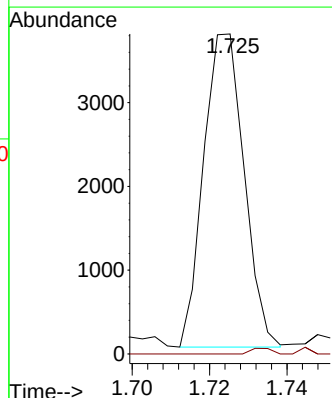
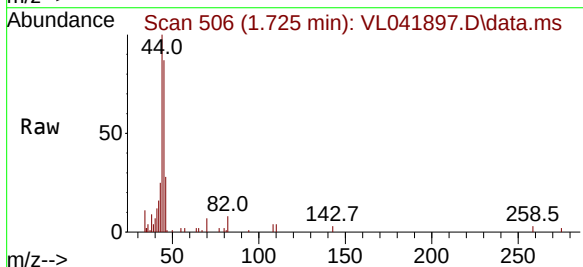
Acq: 14 Jan 2025 18:34

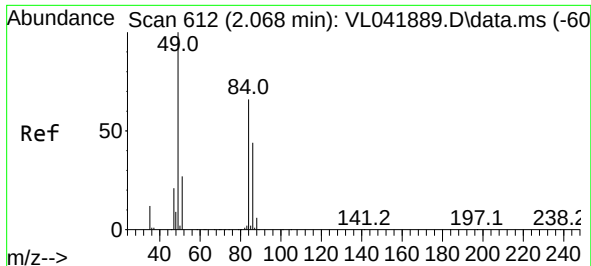
Tgt Ion: 45 Resp: 2714

Ion Ratio Lower Upper

45 100

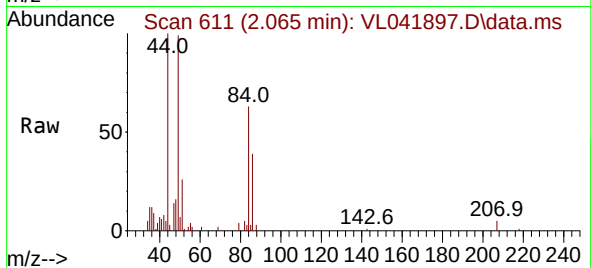
58 2.6 35.0 52.6#





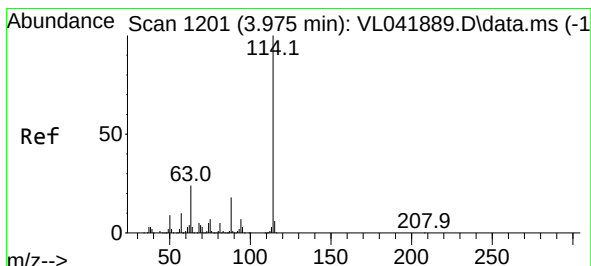
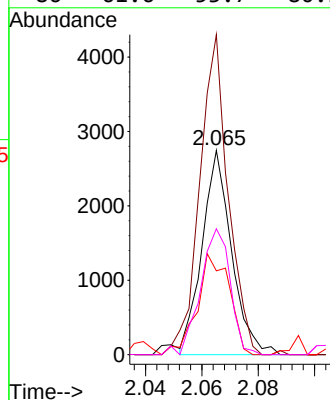
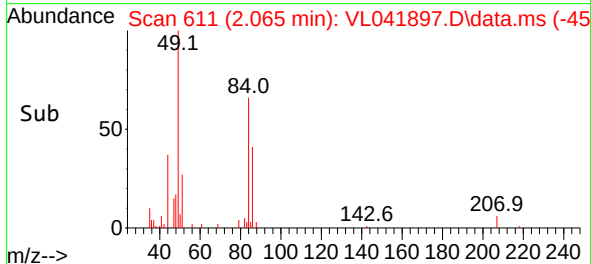
#20
Methylene Chloride
Concen: 0.301 ppbv
RT: 2.065 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL041897.D
Acq: 14 Jan 2025 18:34

Instrument :
MSVOA_L
ClientSampleId :

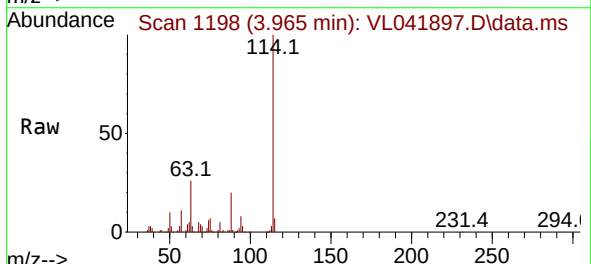


Tgt Ion: 84 Resp: 2006

Ion	Ratio	Lower	Upper
84	100		
49	154.5	123.1	184.7
51	39.2	35.8	53.8
86	61.6	53.7	80.5

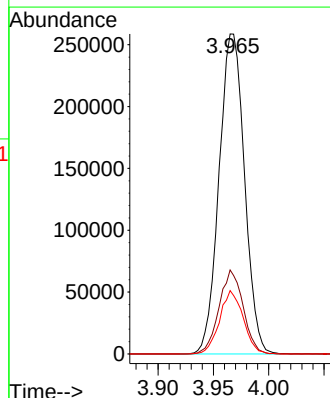
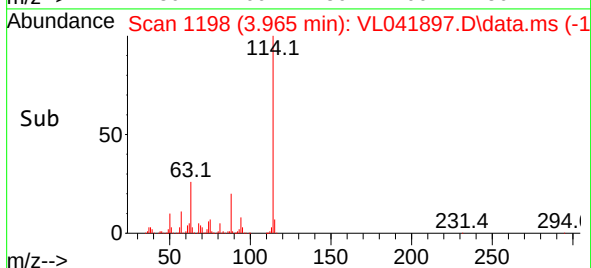


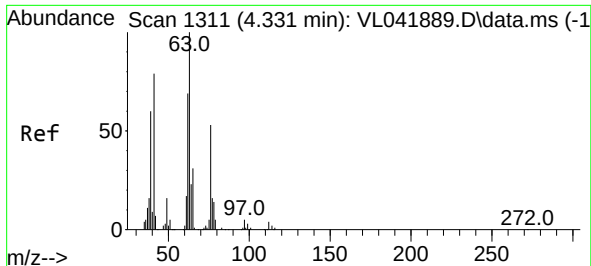
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1198
Delta R.T. -0.010 min
Lab File: VL041897.D
Acq: 14 Jan 2025 18:34



Tgt Ion: 114 Resp: 414150

Ion	Ratio	Lower	Upper
114	100		
63	24.8	19.8	29.6
88	18.4	14.4	21.6





#39

1,2-Dichloropropane

Concen: 7.711 ppbv

RT: 3.965 min Scan# 1198

Delta R.T. -0.366 min

Lab File: VL041897.D

Acq: 14 Jan 2025 18:34

Instrument :

MSVOA_L

ClientSampleId :

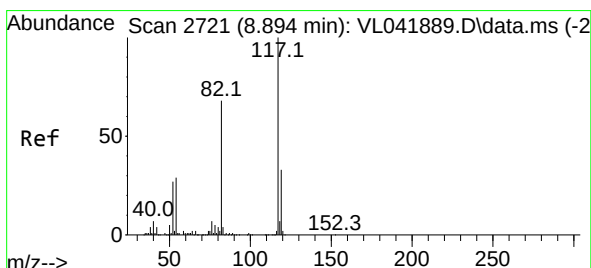
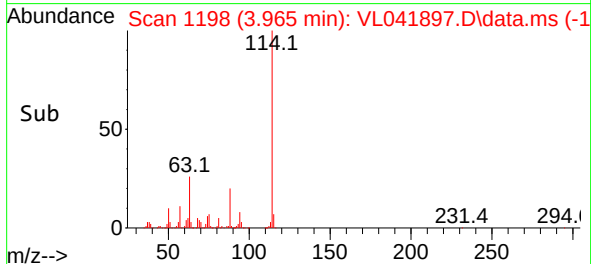
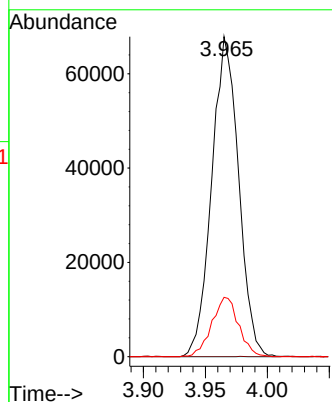
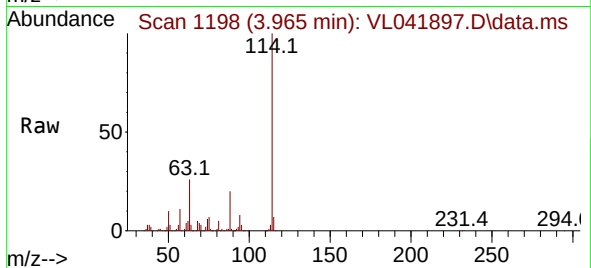
Tgt Ion: 63 Resp: 102747

Ion Ratio Lower Upper

63 100

41 0.0 63.7 95.5#

62 18.6 55.4 83.2#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.888 min Scan# 2719

Delta R.T. -0.006 min

Lab File: VL041897.D

Acq: 14 Jan 2025 18:34

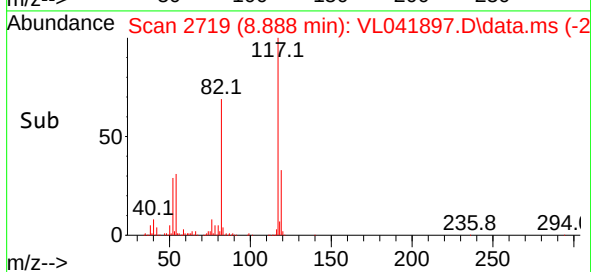
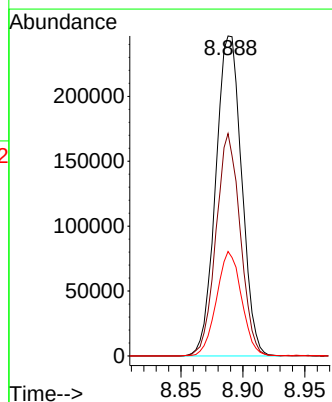
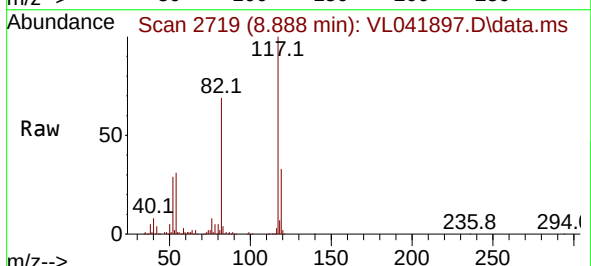
Tgt Ion: 117 Resp: 360177

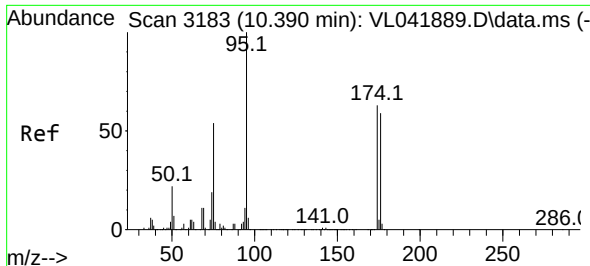
Ion Ratio Lower Upper

117 100

82 65.0 54.2 81.4

119 31.7 25.0 37.6

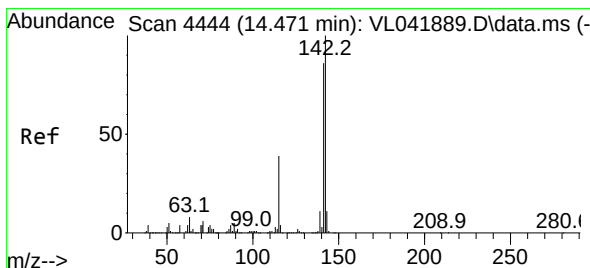
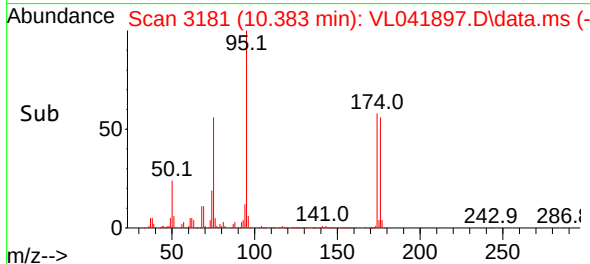
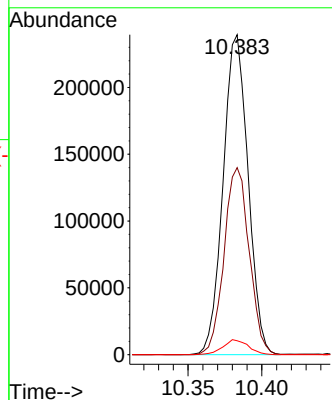
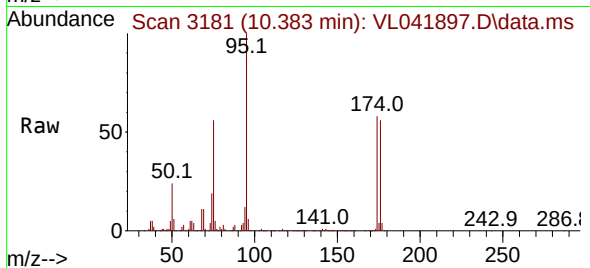




#68
1-Bromo-4-Fluorobenzene
Concen: 9.936 ppbv
RT: 10.383 min Scan# 3183
Delta R.T. -0.007 min
Lab File: VL041897.D
Acq: 14 Jan 2025 18:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 95 Resp: 281871
Ion Ratio Lower Upper
95 100
174 59.1 49.0 73.4
175 4.8 3.8 5.8



#80
Naphthalene,2-methyl-
Concen: 0.010 ppbv
RT: 14.478 min Scan# 4446
Delta R.T. 0.006 min
Lab File: VL041897.D
Acq: 14 Jan 2025 18:34

Tgt Ion:142 Resp: 242
Ion Ratio Lower Upper
142 100
141 40.9 68.1 102.1#
115 65.7 31.7 47.5#

