

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080725\
 Data File : VL042830.D
 Acq On : 07 Aug 2025 12:39
 Operator : SY/MD
 Sample : CAN 10604
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10604

Quant Time: Aug 08 01:16:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jul 24 05:24:41 2025
 Response via : Initial Calibration

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

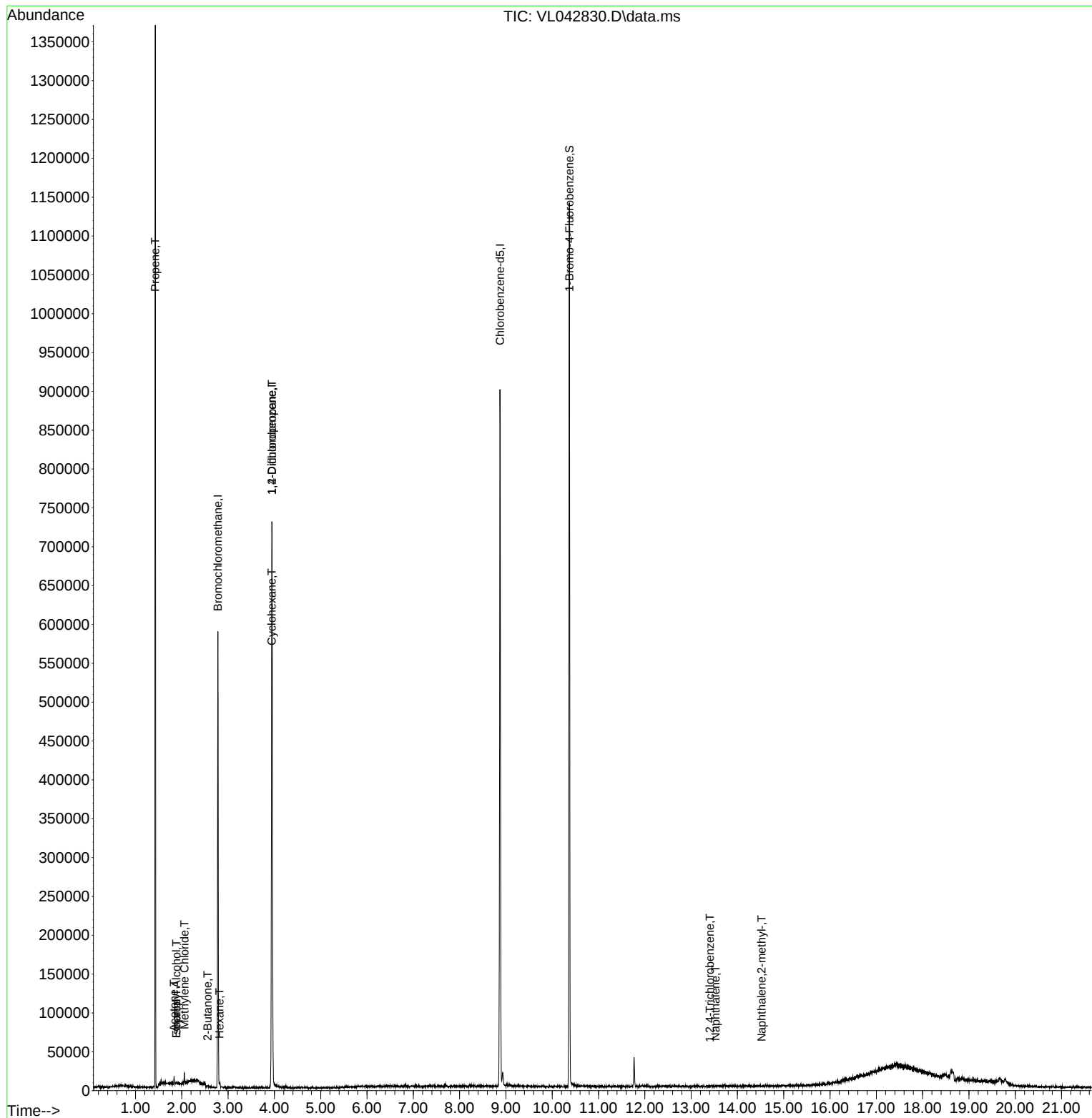
Internal Standards						
1) Bromochloromethane	2.778	49	157515	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	394650	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.872	117	339204	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.371	95	256844	9.561	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.600%
Target Compounds						
					Qvalue	
9) Propene	1.428	41	500	0.051	ppbv	97
13) Ethanol	1.881	45	969	0.198	ppbv #	31
15) Acetone	1.833	43	3900	0.179	ppbv #	82
19) Isopropyl Alcohol	1.881	45	969	0.084	ppbv #	69
20) Methylene Chloride	2.059	84	2192	0.320	ppbv #	74
26) Hexane	2.816	57	693	0.033	ppbv #	1
30) Cyclohexane	3.940	84	1651	0.092	ppbv #	5
34) 2-Butanone	2.558	43	928	0.033	ppbv	97
39) 1,2-Dichloropropane	3.949	63	100300	7.265	ppbv #	21
79) Naphthalene	13.530	128	43	0.436	ppbv #	1
80) Naphthalene,2-methyl-	14.520	142	36	1.130	ppbv #	11
81) 1,2,4-Trichlorobenzene	13.407	180	25	0.436	ppbv #	1

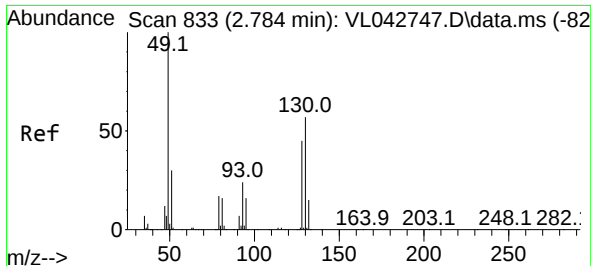
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 08 01:16:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

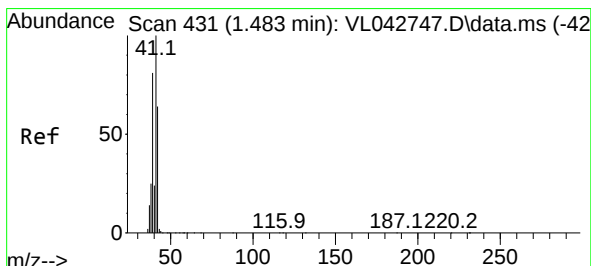
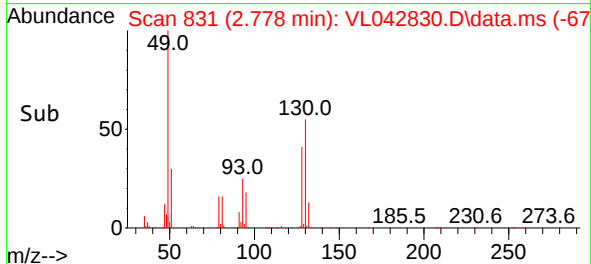
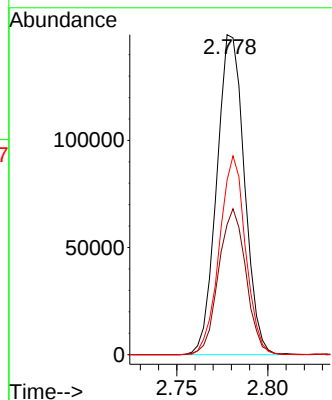
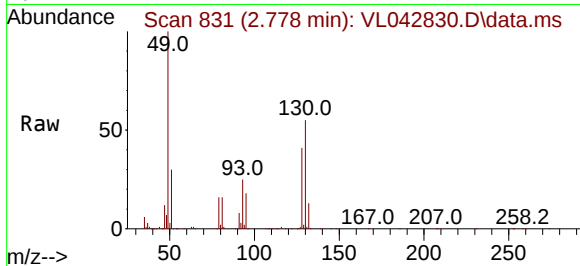




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.778 min Scan# 81
Delta R.T. -0.006 min
Lab File: VL042830.D
Acq: 07 Aug 2025 12:39

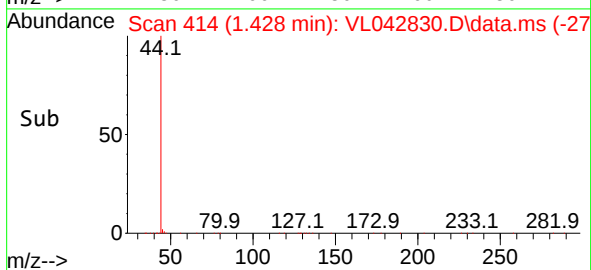
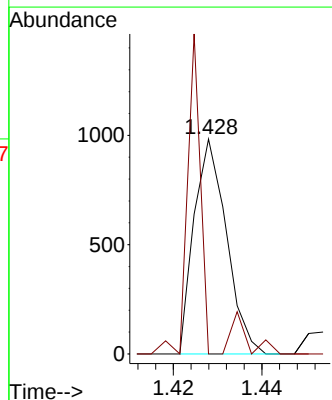
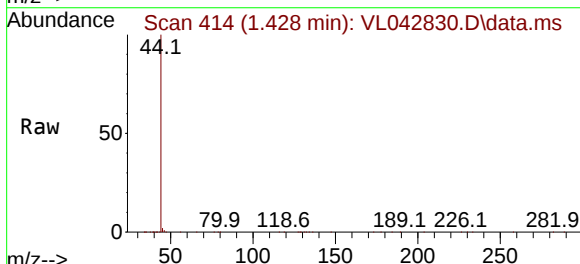
Instrument :
MSVOA_L
ClientSampleId :
CAN 10604

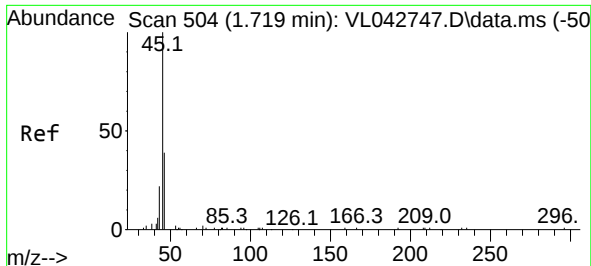
Tgt Ion: 49 Resp: 157515
Ion Ratio Lower Upper
49 100
128 45.2 23.6 71.0
130 58.8 30.3 90.8



#9
Propene
Concen: 0.051 ppbv
RT: 1.428 min Scan# 414
Delta R.T. -0.055 min
Lab File: VL042830.D
Acq: 07 Aug 2025 12:39

Tgt Ion: 41 Resp: 500
Ion Ratio Lower Upper
41 100
42 69.0 53.2 79.8

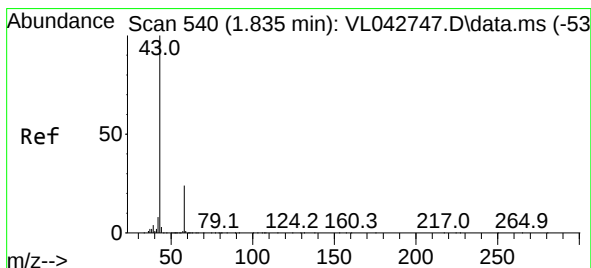
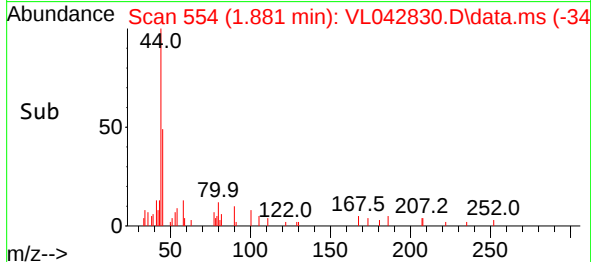
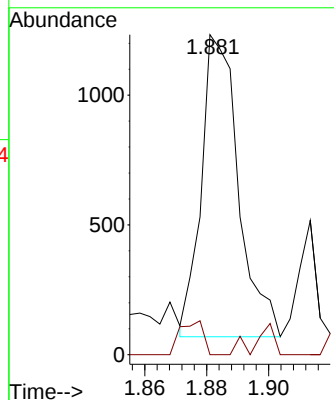
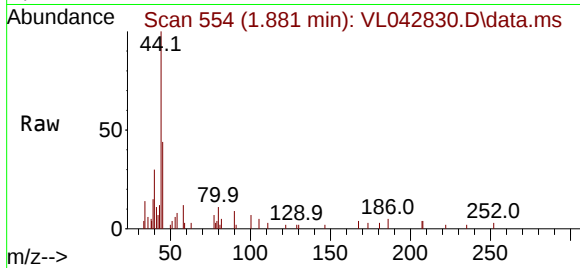




#13
Ethanol
Concen: 0.198 ppbv
RT: 1.881 min Scan# 51
Delta R.T. 0.162 min
Lab File: VL042830.D
Acq: 07 Aug 2025 12:39

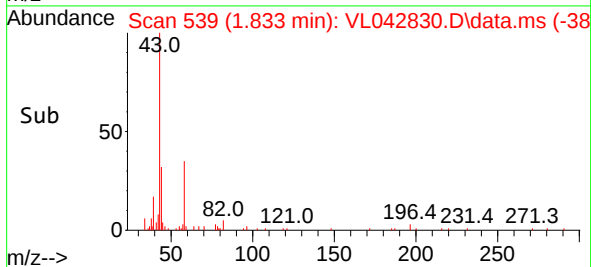
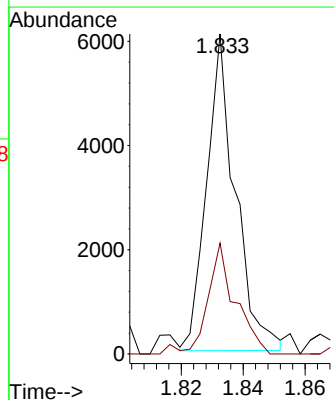
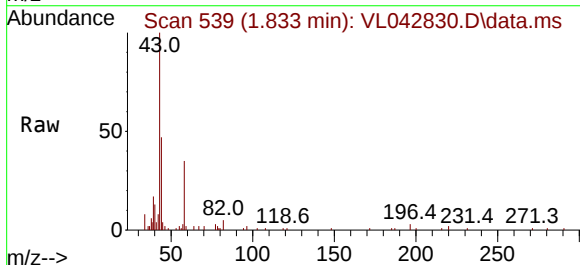
Instrument :
MSVOA_L
ClientSampleId :
CAN 10604

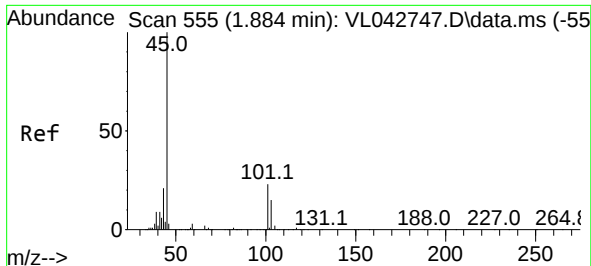
Tgt Ion: 45 Resp: 969
Ion Ratio Lower Upper
45 100
46 0.0 17.8 71.4#



#15
Acetone
Concen: 0.179 ppbv
RT: 1.833 min Scan# 539
Delta R.T. -0.003 min
Lab File: VL042830.D
Acq: 07 Aug 2025 12:39

Tgt Ion: 43 Resp: 3900
Ion Ratio Lower Upper
43 100
58 33.9 19.8 29.8#

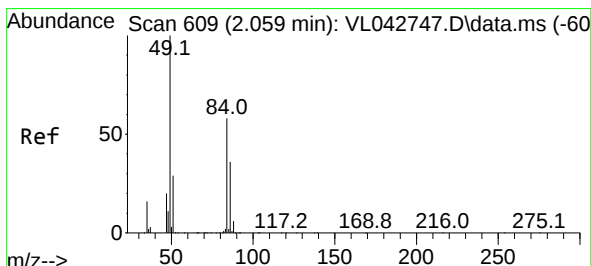
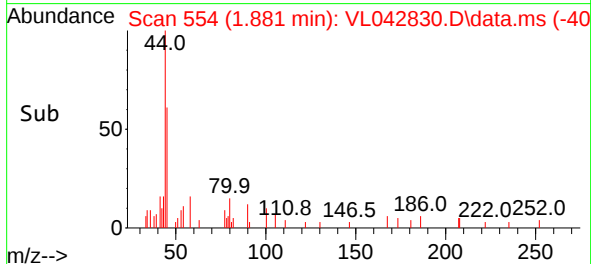
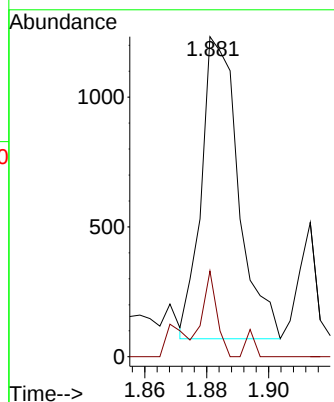
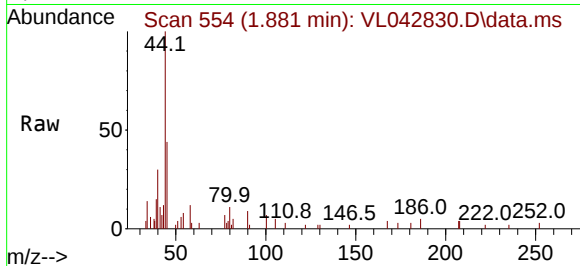




#19
Isopropyl Alcohol
Concen: 0.084 ppbv
RT: 1.881 min Scan# 511
Delta R.T. -0.003 min
Lab File: VL042830.D
Acq: 07 Aug 2025 12:39

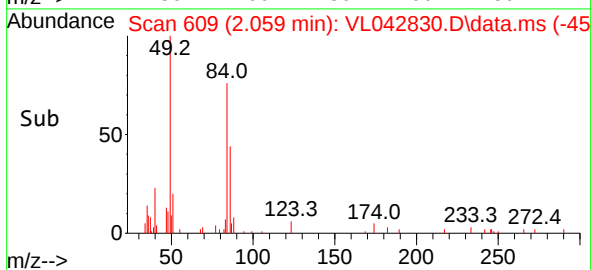
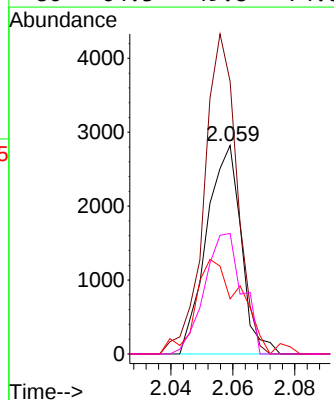
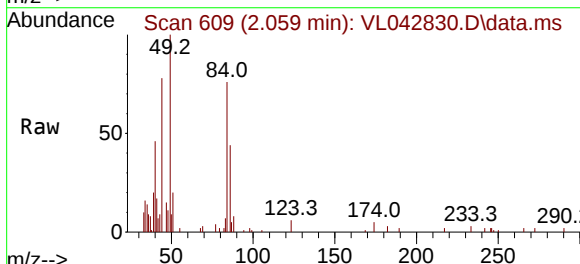
Instrument :
MSVOA_L
ClientSampleId :
CAN 10604

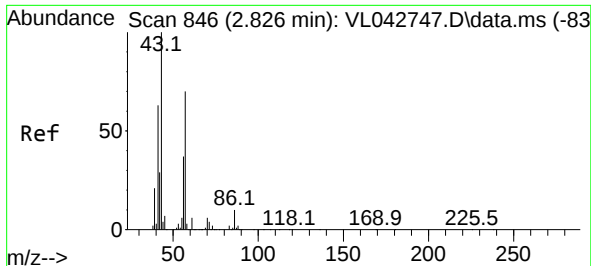
Tgt Ion: 45 Resp: 969
Ion Ratio Lower Upper
45 100
58 18.9 30.0 45.0#



#20
Methylene Chloride
Concen: 0.320 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.000 min
Lab File: VL042830.D
Acq: 07 Aug 2025 12:39

Tgt Ion: 84 Resp: 2192
Ion Ratio Lower Upper
84 100
49 130.8 138.6 208.0#
51 22.4 40.6 61.0#
86 64.3 49.8 74.8

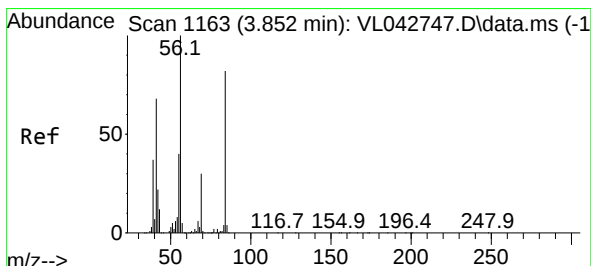
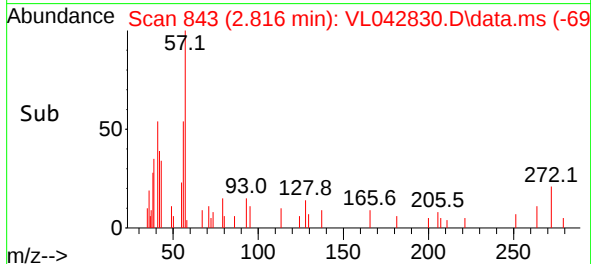
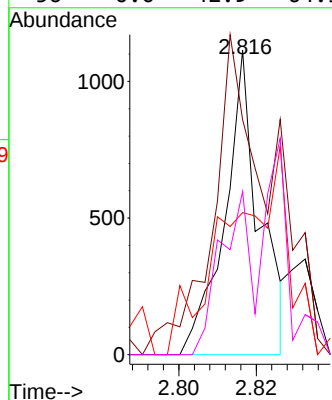
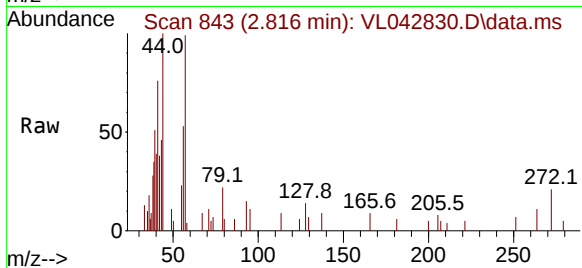




#26
Hexane
Concen: 0.033 ppbv
RT: 2.816 min Scan# 84
Delta R.T. -0.009 min
Lab File: VL042830.D
Acq: 07 Aug 2025 12:39

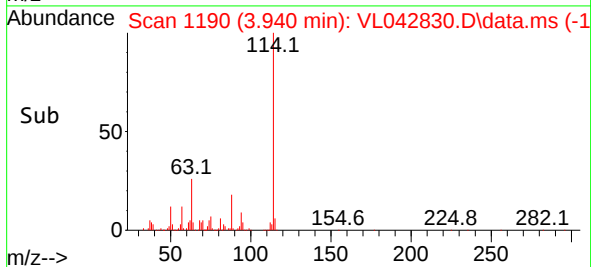
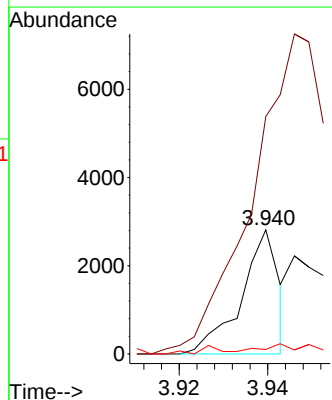
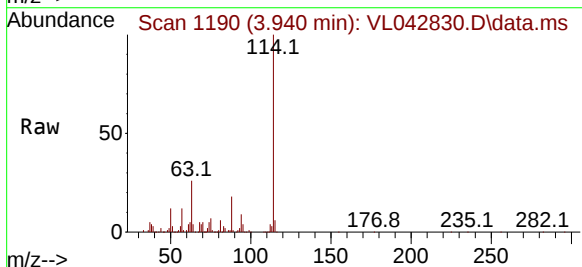
Instrument :
MSVOA_L
ClientSampleId :
CAN 10604

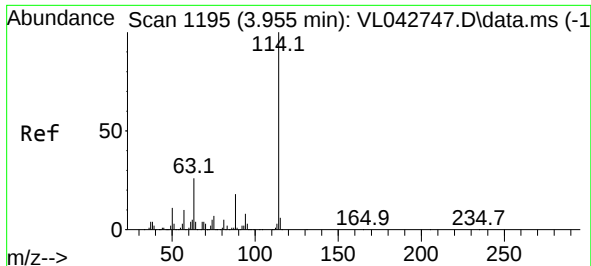
Tgt Ion: 57	Resp: 693
Ion Ratio	Lower Upper
57 100	
41 184.7	75.4 113.2#
43 0.0	185.0 277.6#
56 0.0	42.9 64.3#



#30
Cyclohexane
Concen: 0.092 ppbv
RT: 3.940 min Scan# 1190
Delta R.T. 0.088 min
Lab File: VL042830.D
Acq: 07 Aug 2025 12:39

Tgt Ion: 84	Resp: 1651
Ion Ratio	Lower Upper
84 100	
56 0.0	97.5 146.3#
41 16.0	67.2 100.8#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.949 min Scan# 1193

Delta R.T. -0.006 min

Lab File: VL042830.D

Acq: 07 Aug 2025 12:39

Instrument :

MSVOA_L

ClientSampleId :

CAN 10604

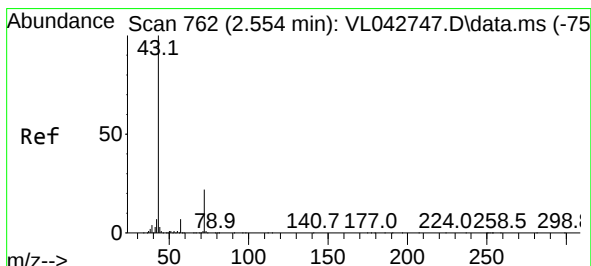
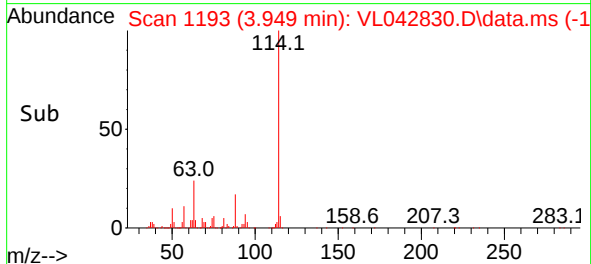
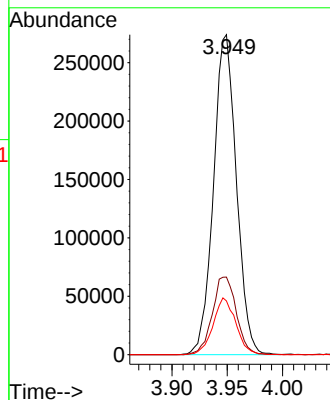
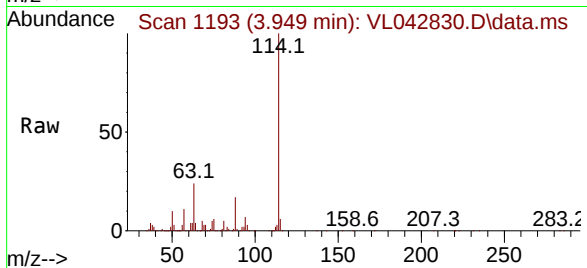
Tgt Ion:114 Resp: 394650

Ion Ratio Lower Upper

114 100

63 25.4 20.5 30.7

88 17.6 14.0 21.0



#34

2-Butanone

Concen: 0.033 ppbv

RT: 2.558 min Scan# 763

Delta R.T. 0.004 min

Lab File: VL042830.D

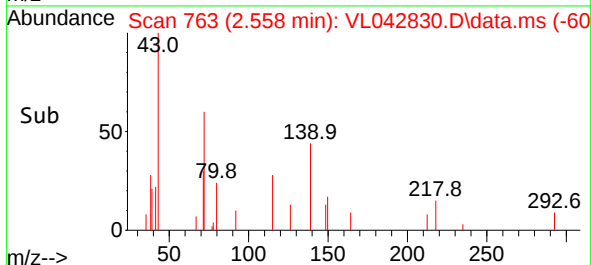
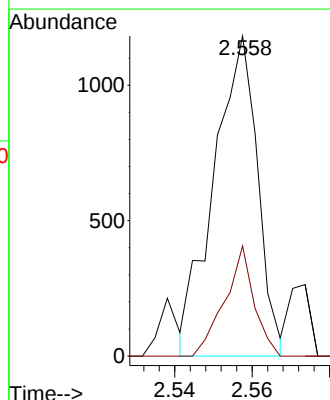
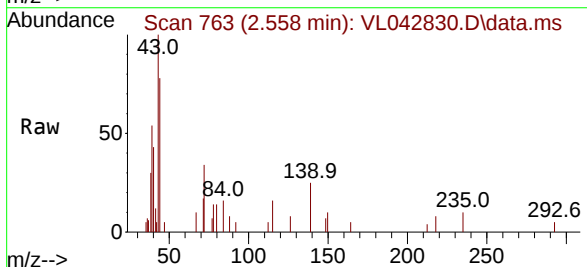
Acq: 07 Aug 2025 12:39

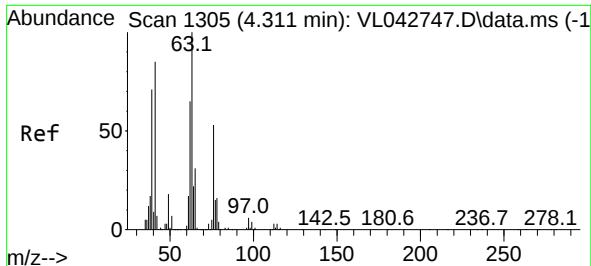
Tgt Ion: 43 Resp: 928

Ion Ratio Lower Upper

43 100

72 23.1 17.4 26.0





#39

1,2-Dichloropropane

Concen: 7.265 ppbv

RT: 3.949 min Scan# 1193

Delta R.T. -0.362 min

Lab File: VL042830.D

Acq: 07 Aug 2025 12:39

Instrument :

MSVOA_L

ClientSampleId :

CAN 10604

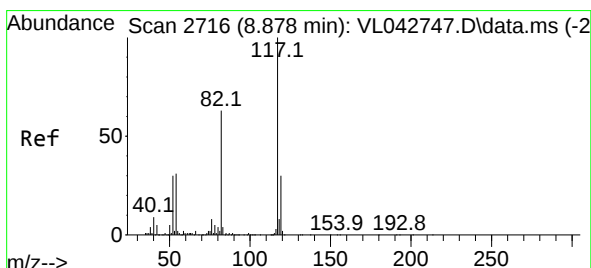
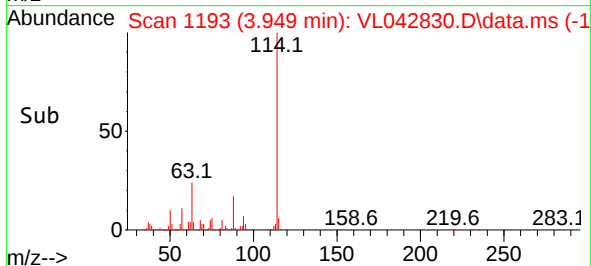
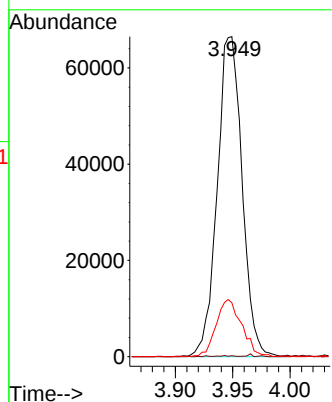
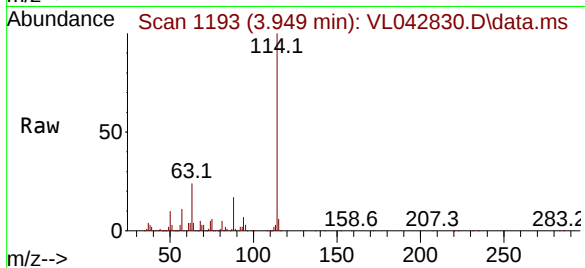
Tgt Ion: 63 Resp: 100300

Ion Ratio Lower Upper

63 100

41 0.3 68.2 102.4#

62 16.9 52.0 78.0#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.872 min Scan# 2714

Delta R.T. -0.006 min

Lab File: VL042830.D

Acq: 07 Aug 2025 12:39

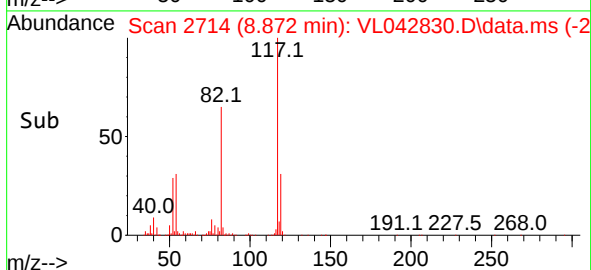
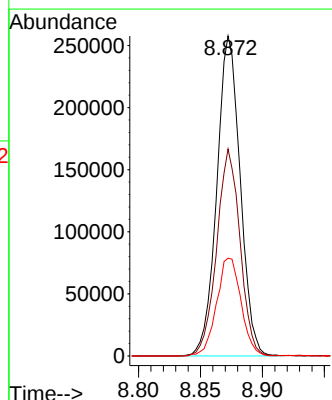
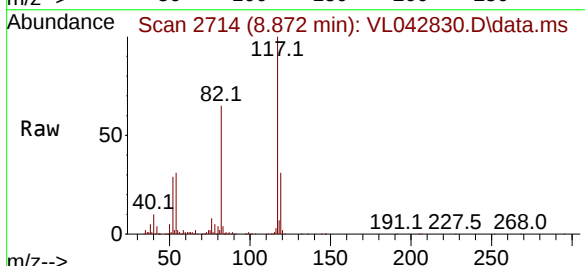
Tgt Ion: 117 Resp: 339204

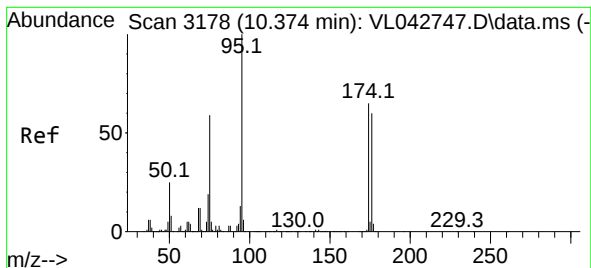
Ion Ratio Lower Upper

117 100

82 64.5 53.3 79.9

119 32.0 25.8 38.6

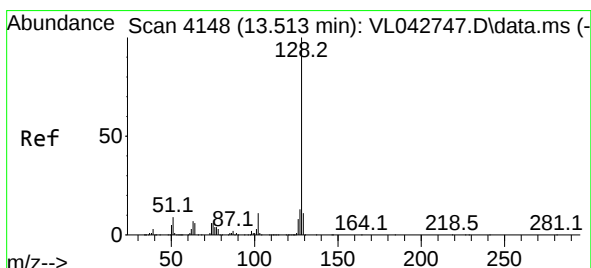
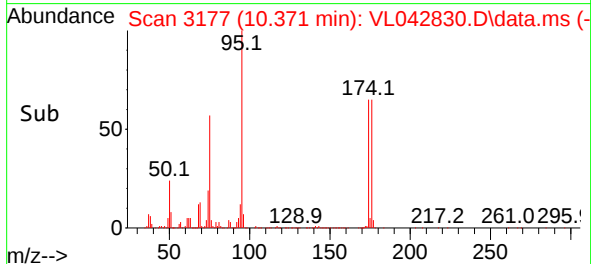
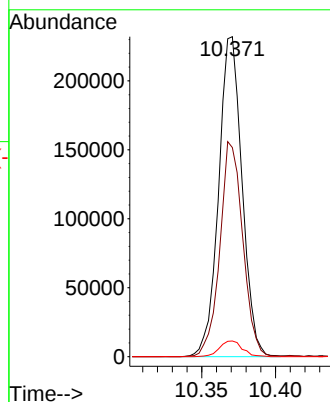
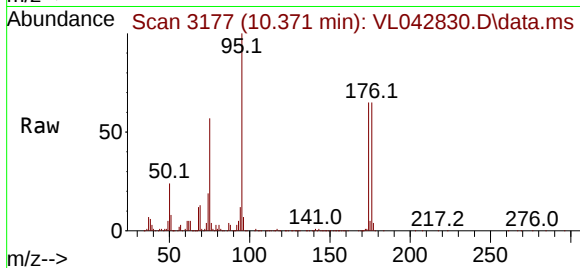




#68
1-Bromo-4-Fluorobenzene
Concen: 9.561 ppbv
RT: 10.371 min Scan# 3177
Delta R.T. -0.003 min
Lab File: VL042830.D
Acq: 07 Aug 2025 12:39

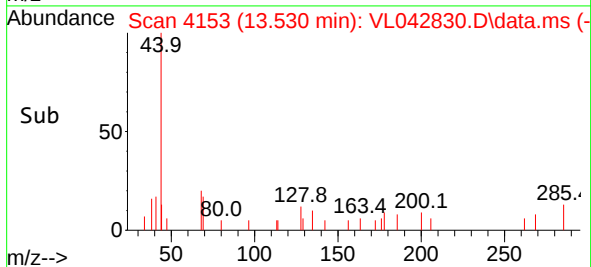
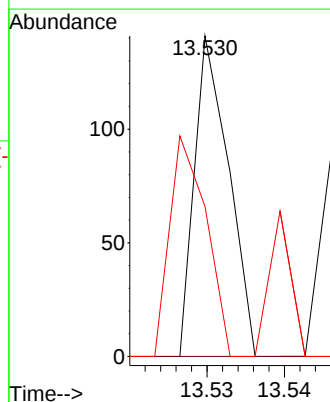
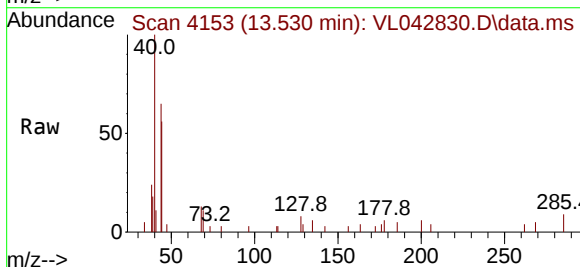
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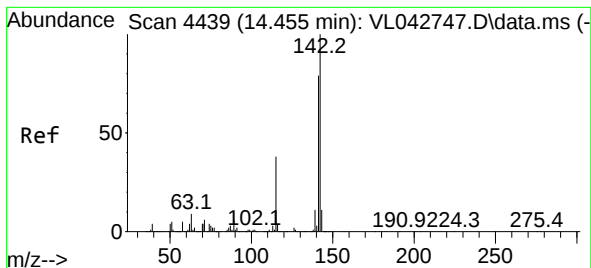
Tgt Ion: 95 Resp: 256844
Ion Ratio Lower Upper
95 100
174 65.9 53.8 80.6
175 4.8 4.0 6.0



#79
Naphthalene
Concen: 0.436 ppbv
RT: 13.530 min Scan# 4153
Delta R.T. 0.016 min
Lab File: VL042830.D
Acq: 07 Aug 2025 12:39

Tgt Ion: 128 Resp: 43
Ion Ratio Lower Upper
128 100
127 100.0 10.5 15.7#
129 1.4 8.6 13.0#





#80

Naphthalene, 2-methyl-

Concen: 1.130 ppbv

RT: 14.520 min Scan# 4439

Delta R.T. 0.065 min

Lab File: VL042830.D

Acq: 07 Aug 2025 12:39

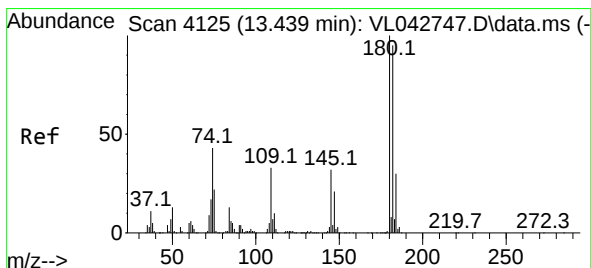
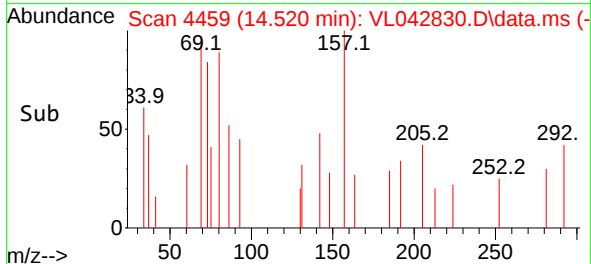
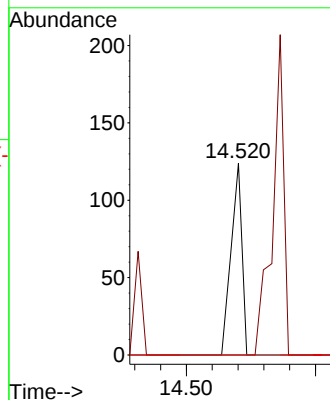
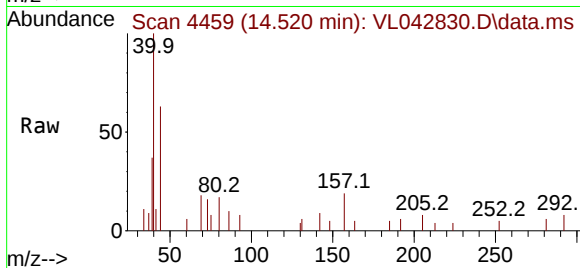
Instrument :

MSVOA_L

ClientSampleId :

CAN 10604

Tgt Ion:	142	Resp:	36
Ion	Ratio	Lower	Upper
142	100		
141	172.2	65.8	98.8#
115	0.0	31.2	46.8#



#81

1,2,4-Trichlorobenzene

Concen: 0.436 ppbv

RT: 13.407 min Scan# 4115

Delta R.T. -0.032 min

Lab File: VL042830.D

Acq: 07 Aug 2025 12:39

Tgt Ion:	180	Resp:	25
Ion	Ratio	Lower	Upper
180	100		
182	224.0	76.2	114.2#
184	0.0	24.8	37.2#

