

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080425\
 Data File : VL042797.D
 Acq On : 04 Aug 2025 10:15
 Operator : SY/MD
 Sample : VL07804ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0804ABL01

Quant Time: Aug 05 01:00:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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)

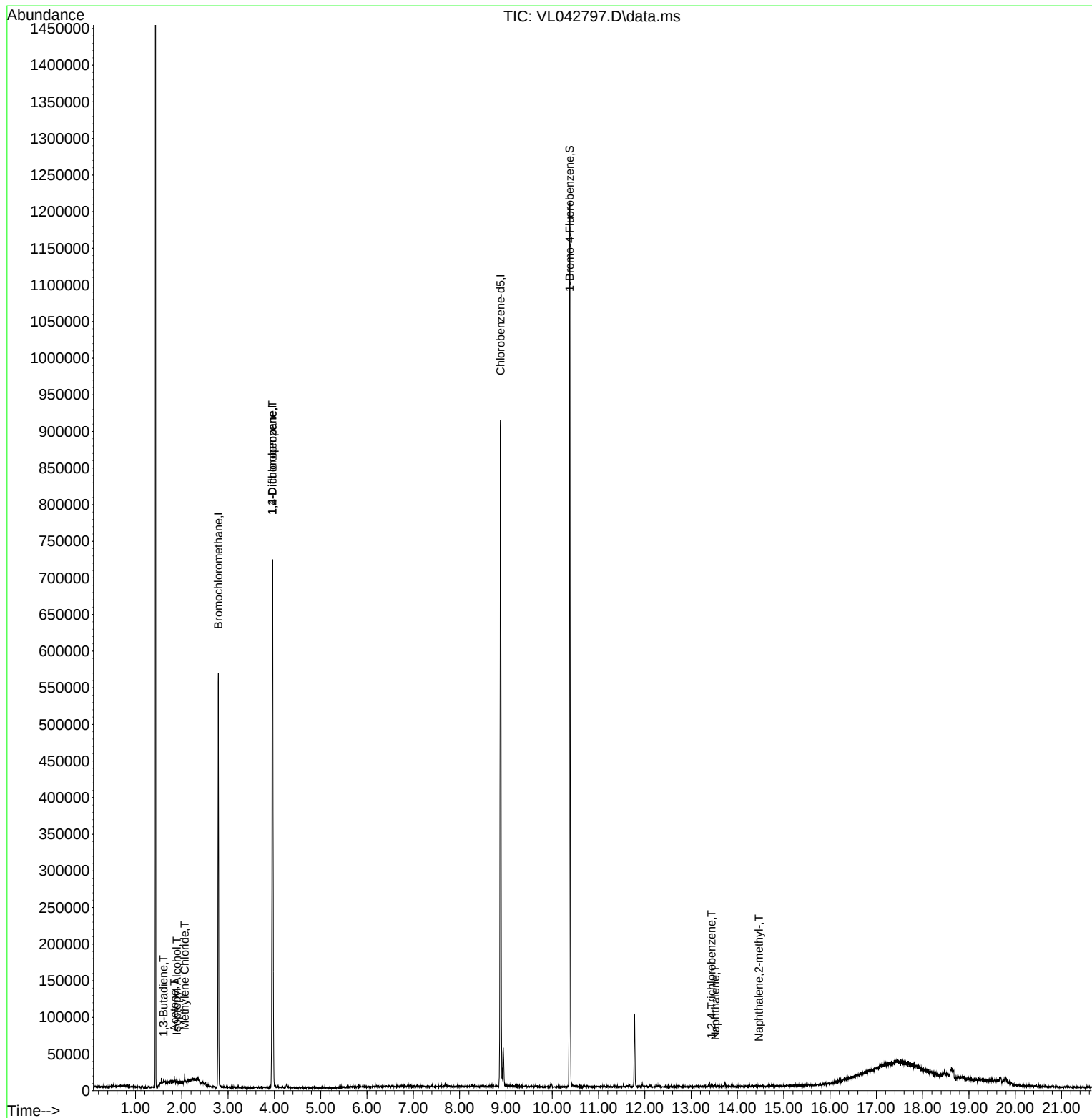
Internal Standards						
1) Bromochloromethane	2.790	49	154751	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	421335	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	368498	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	282525	9.681	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.800%
Target Compounds						
					Qvalue	
13) Ethanol	1.819	45	333	Below Cal	#	1
15) Acetone	1.839	43	3367	0.158	ppbv #	41
16) 1,3-Butadiene	1.605	39	459	0.050	ppbv #	16
19) Isopropyl Alcohol	1.890	45	525	0.046	ppbv #	69
20) Methylene Chloride	2.062	84	1662	0.247	ppbv	86
39) 1,2-Dichloropropane	3.959	63	107755	7.311	ppbv #	22
79) Naphthalene	13.520	128	939	0.452	ppbv #	69
80) Naphthalene,2-methyl-	14.465	142	721	1.152	ppbv #	52
81) 1,2,4-Trichlorobenzene	13.442	180	929	0.464	ppbv	89

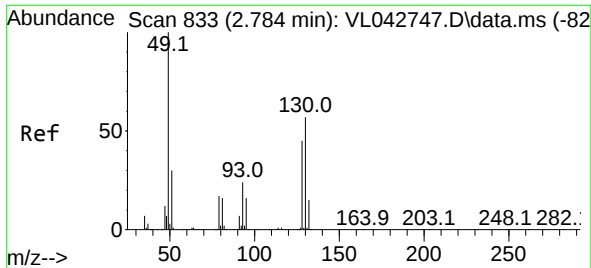
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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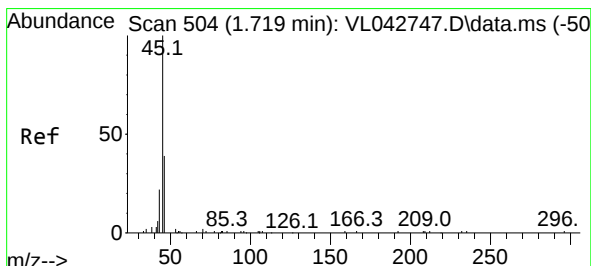
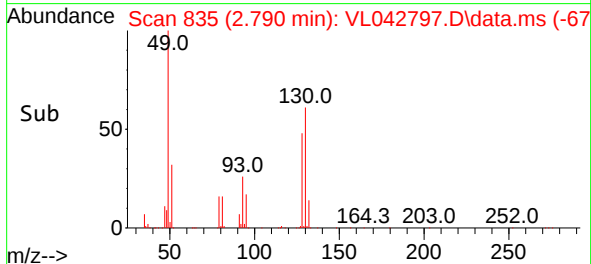
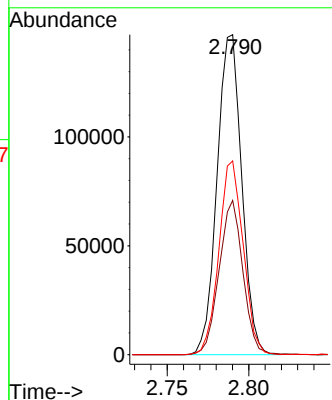
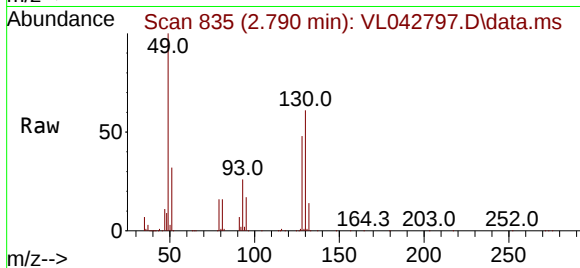




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL042797.D
Acq: 04 Aug 2025 10:15

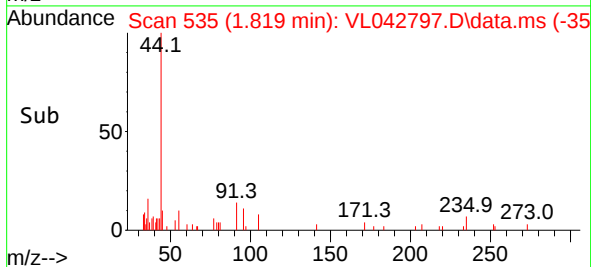
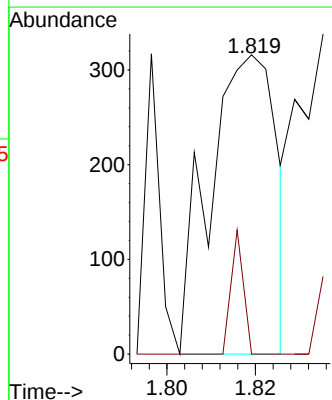
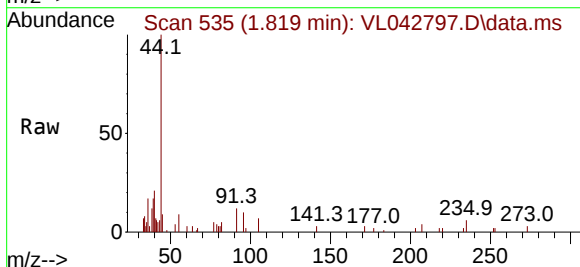
Instrument :
MSVOA_1
ClientSampleId :
VL0804ABL01

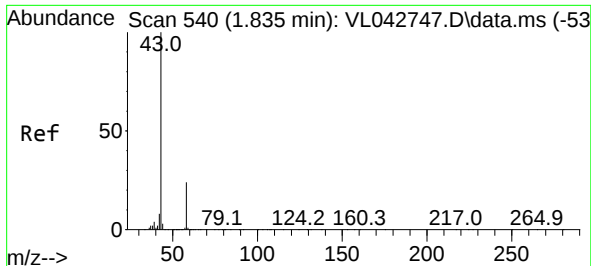
Tgt Ion: 49 Resp: 154751
Ion Ratio Lower Upper
49 100
128 46.5 23.6 71.0
130 59.8 30.3 90.8



#13
Ethanol
Concen: Below Cal
RT: 1.819 min Scan# 535
Delta R.T. 0.100 min
Lab File: VL042797.D
Acq: 04 Aug 2025 10:15

Tgt Ion: 45 Resp: 333
Ion Ratio Lower Upper
45 100
46 158.0 17.8 71.4#

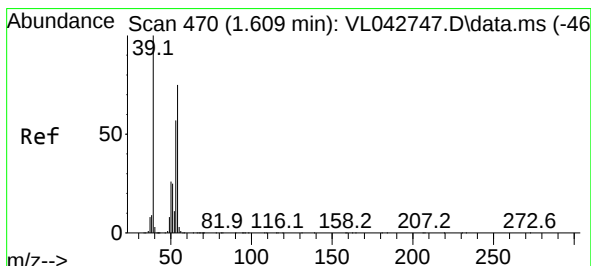
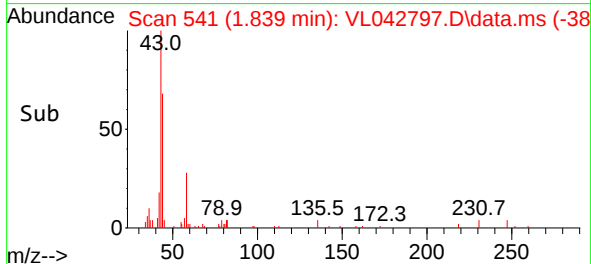
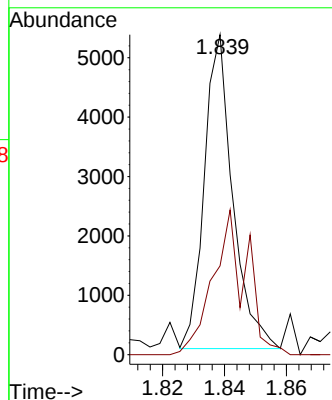
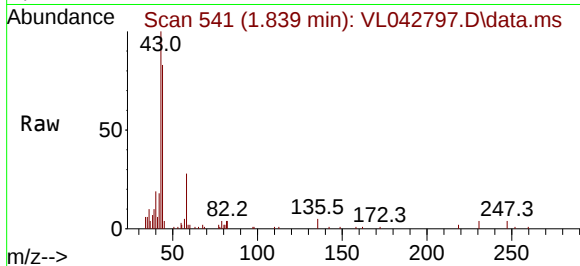




#15
Acetone
Concen: 0.158 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL042797.D
Acq: 04 Aug 2025 10:15

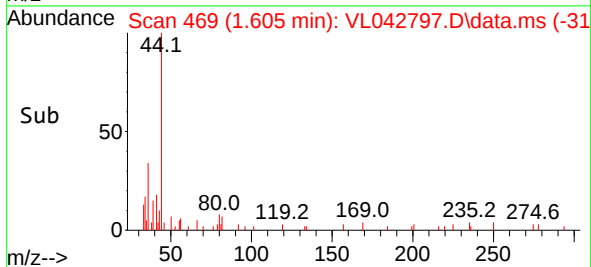
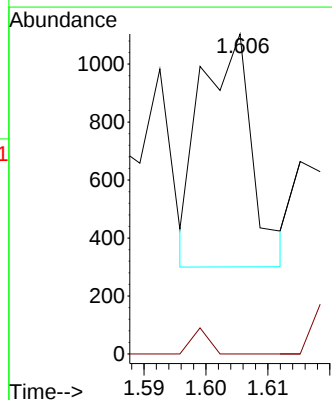
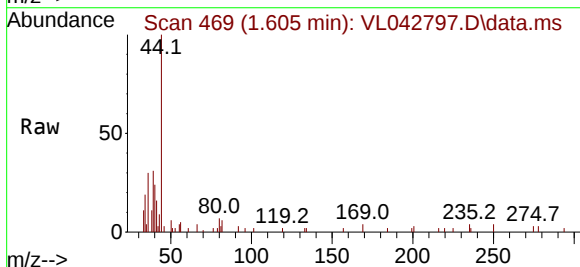
Instrument :
MSVOA_L
ClientSampleId :
VL0804ABL01

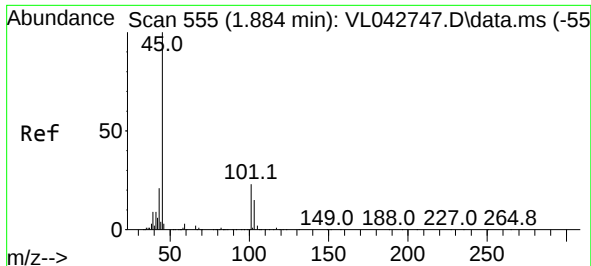
Tgt Ion: 43 Resp: 3367
Ion Ratio Lower Upper
43 100
58 54.1 19.8 29.8#



#16
1,3-Butadiene
Concen: 0.050 ppbv
RT: 1.605 min Scan# 469
Delta R.T. -0.003 min
Lab File: VL042797.D
Acq: 04 Aug 2025 10:15

Tgt Ion: 39 Resp: 459
Ion Ratio Lower Upper
39 100
54 0.0 54.5 81.7#





#19

Isopropyl Alcohol

Concen: 0.046 ppbv

RT: 1.890 min Scan# 51

Delta R.T. 0.006 min

Lab File: VL042797.D

Acq: 04 Aug 2025 10:15

Instrument :

MSVOA_1

ClientSampleId :

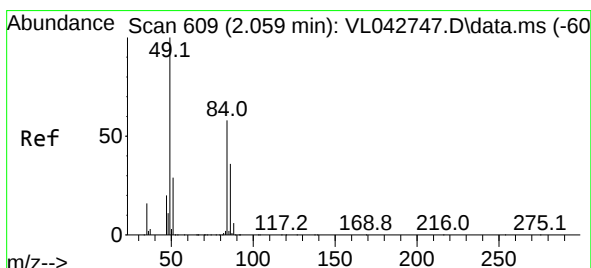
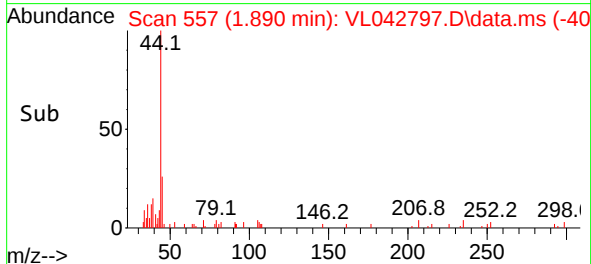
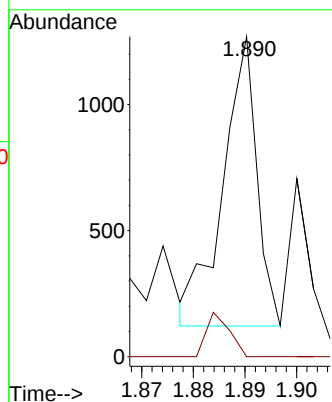
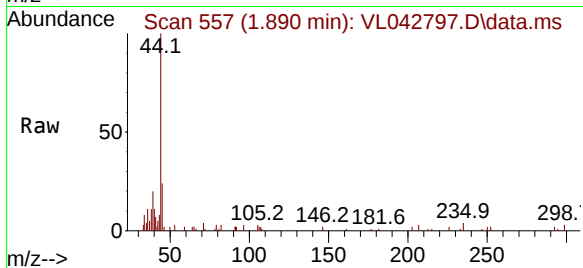
VL0804ABL01

Tgt Ion: 45 Resp: 525

Ion Ratio Lower Upper

45 100

58 19.0 30.0 45.0#



#20

Methylene Chloride

Concen: 0.247 ppbv

RT: 2.062 min Scan# 610

Delta R.T. 0.003 min

Lab File: VL042797.D

Acq: 04 Aug 2025 10:15

Tgt Ion: 84 Resp: 1662

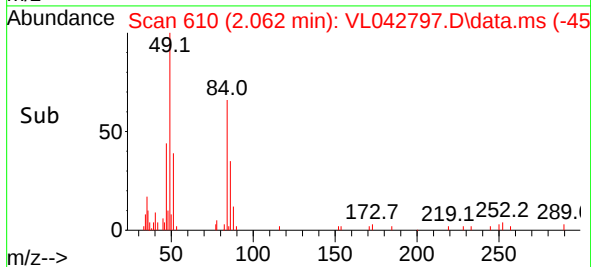
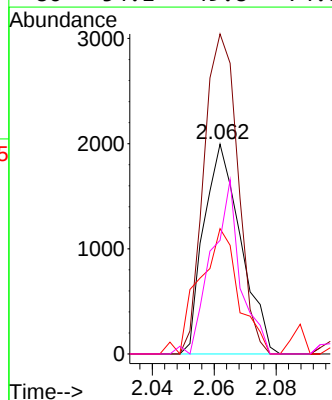
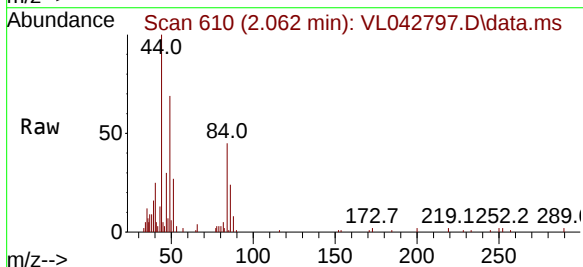
Ion Ratio Lower Upper

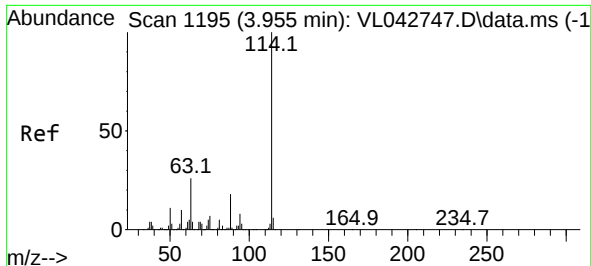
84 100

49 152.5 138.6 208.0

51 59.7 40.6 61.0

86 54.1 49.8 74.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. 0.003 min

Lab File: VL042797.D

Acq: 04 Aug 2025 10:15

Instrument :

MSVOA_1

ClientSampleId :

VL0804ABL01

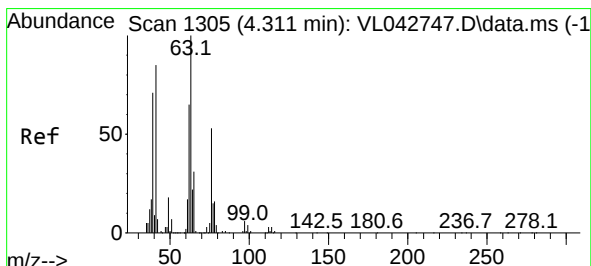
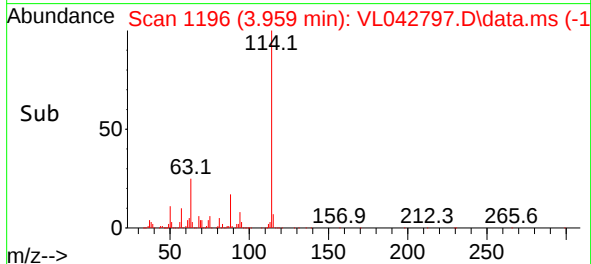
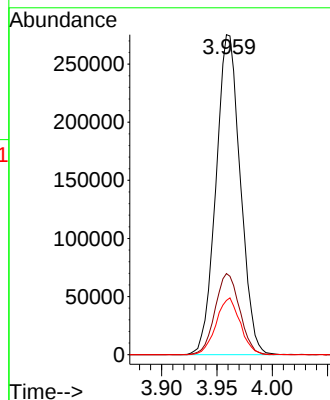
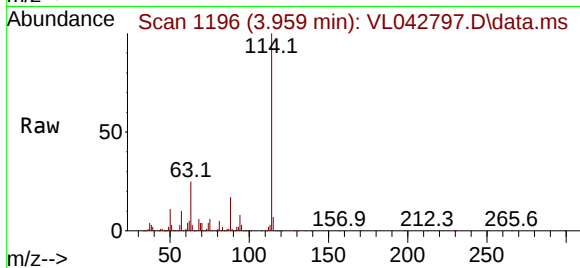
Tgt Ion:114 Resp: 421335

Ion Ratio Lower Upper

114 100

63 25.6 20.5 30.7

88 17.6 14.0 21.0



#39

1,2-Dichloropropane

Concen: 7.311 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. -0.353 min

Lab File: VL042797.D

Acq: 04 Aug 2025 10:15

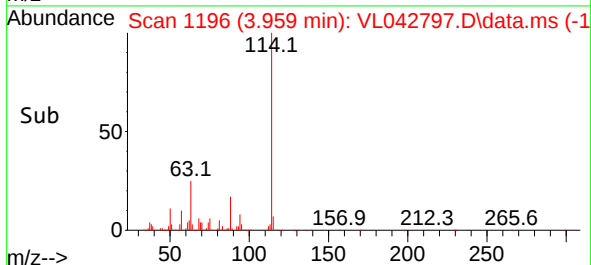
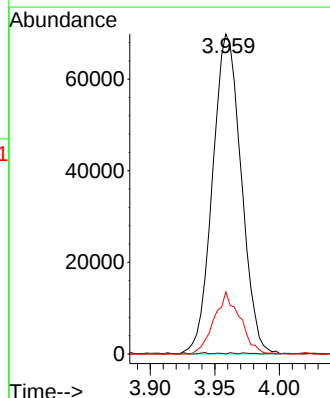
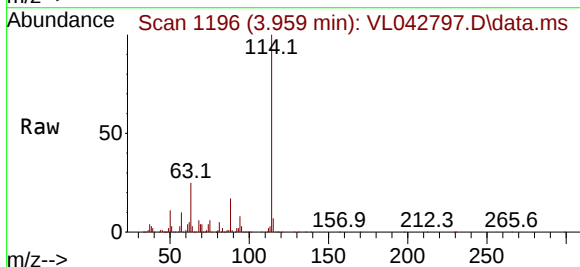
Tgt Ion: 63 Resp: 107755

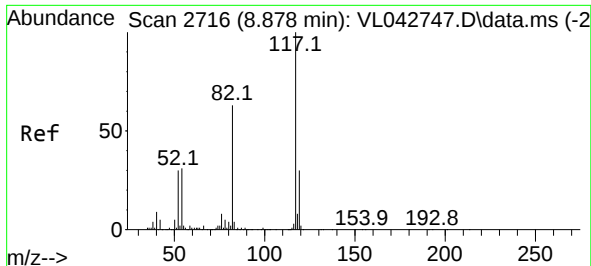
Ion Ratio Lower Upper

63 100

41 0.0 68.2 102.4#

62 19.4 52.0 78.0#

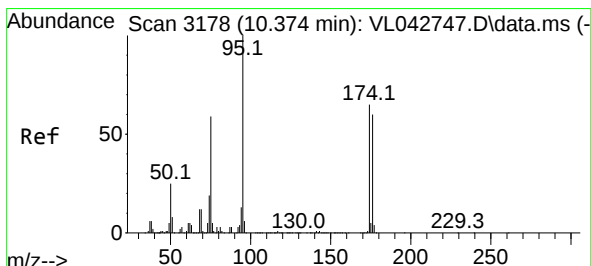
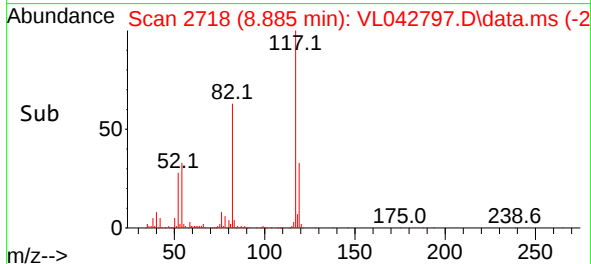
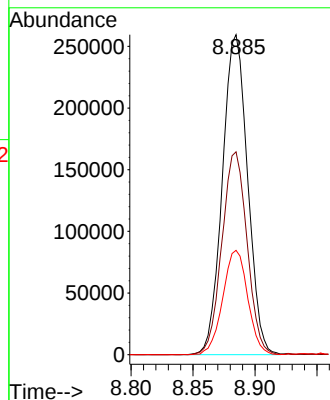
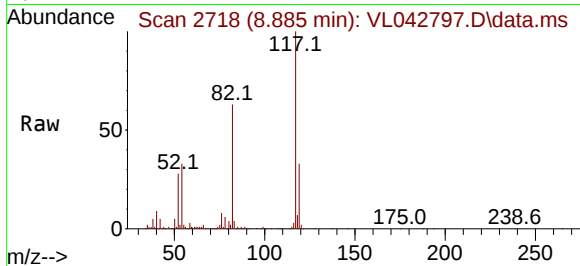




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL042797.D
Acq: 04 Aug 2025 10:15

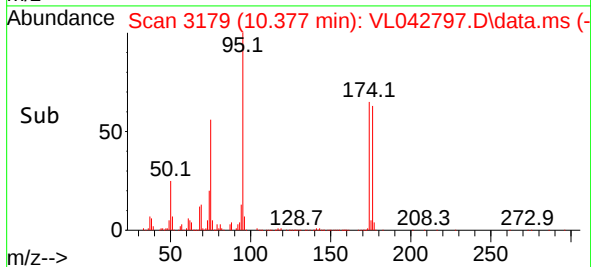
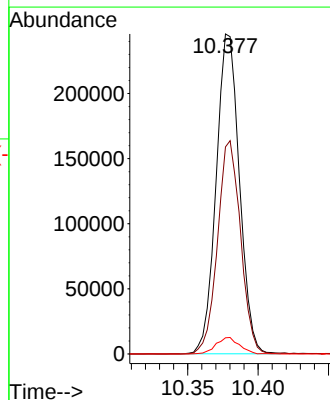
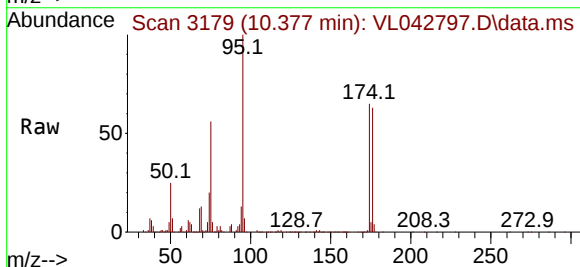
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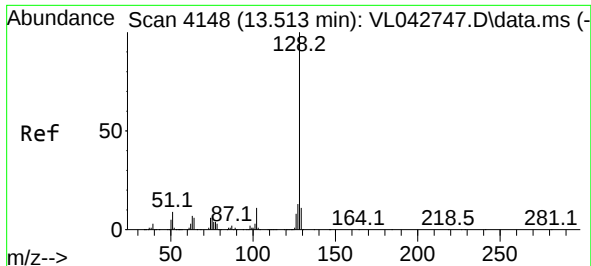
Tgt Ion:117 Resp: 368498
Ion Ratio Lower Upper
117 100
82 63.2 53.3 79.9
119 32.4 25.8 38.6



#68
1-Bromo-4-Fluorobenzene
Concen: 9.681 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. 0.003 min
Lab File: VL042797.D
Acq: 04 Aug 2025 10:15

Tgt Ion: 95 Resp: 282525
Ion Ratio Lower Upper
95 100
174 66.3 53.8 80.6
175 5.2 4.0 6.0

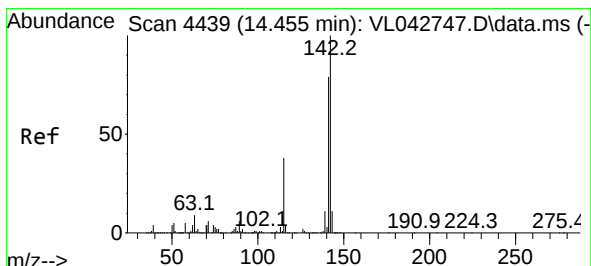
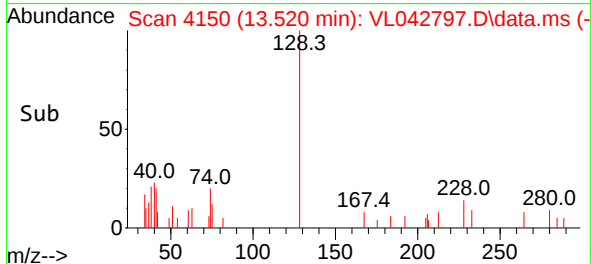
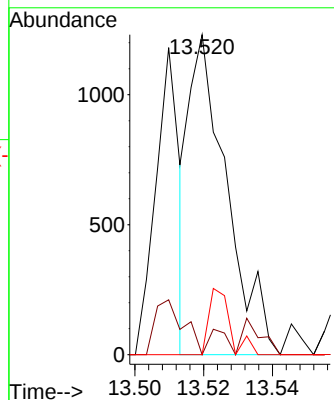
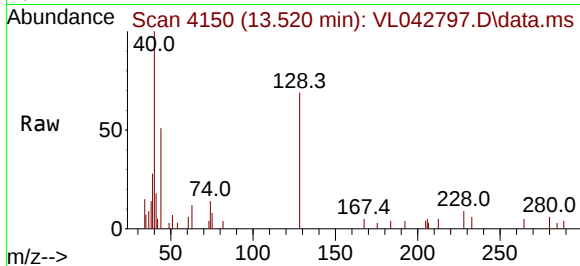




#79
Naphthalene
Concen: 0.452 ppbv
RT: 13.520 min Scan# 4148
Delta R.T. 0.006 min
Lab File: VL042797.D
Acq: 04 Aug 2025 10:15

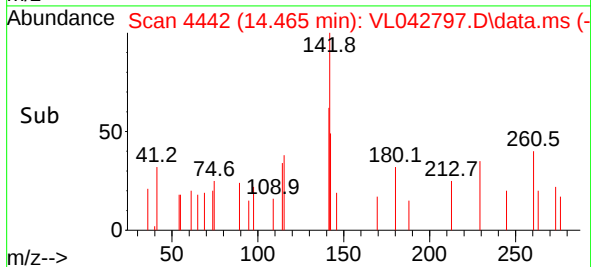
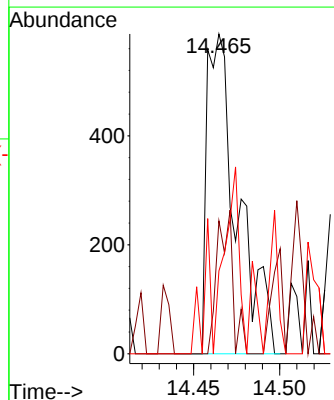
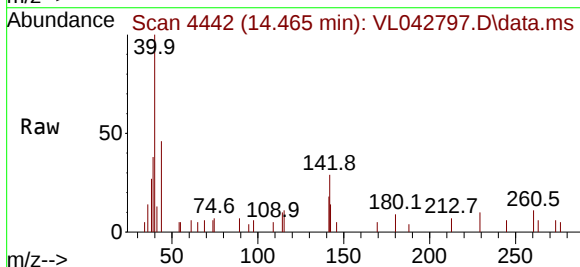
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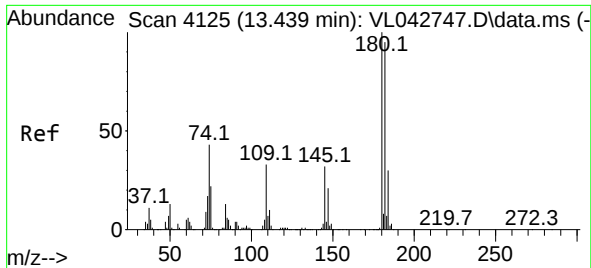
Tgt Ion:128 Resp: 939
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.6 13.0#



#80
Naphthalene,2-methyl-
Concen: 1.152 ppbv
RT: 14.465 min Scan# 4442
Delta R.T. 0.010 min
Lab File: VL042797.D
Acq: 04 Aug 2025 10:15

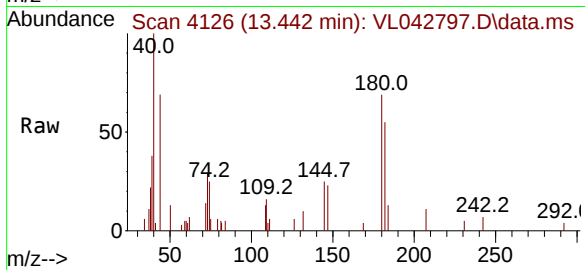
Tgt Ion:142 Resp: 721
Ion Ratio Lower Upper
142 100
141 23.0 65.8 98.8#
115 44.8 31.2 46.8





#81
 1,2,4-Trichlorobenzene
 Concen: 0.464 ppbv
 RT: 13.442 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL042797.D
 Acq: 04 Aug 2025 10:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0804ABL01



Tgt Ion:	180	Resp:	929
Ion	Ratio	Lower	Upper
180	100		
182	107.8	76.2	114.2
184	34.4	24.8	37.2

